

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091819\
 Data File : VN058187.D
 Acq On : 19 Sep 2019 00:36
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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 9/20/2019 1:44:26 PM

Quant Time: Sep 19 18:51:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	544540	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	921391	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	840705	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	422776	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	392568	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	
35) Dibromofluoromethane	7.57	113	284233	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	
50) Toluene-d8	10.08	98	1145566	52.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.98%	
62) 4-Bromofluorobenzene	12.41	95	428131	52.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	205574	45.956	ug/l	100
3) Chloromethane	2.04	50	163977	47.505	ug/l	98
4) Vinyl Chloride	2.17	62	183649	48.683	ug/l	99
5) Bromomethane	2.54	94	65855	33.240	ug/l	98
6) Chloroethane	2.68	64	121694	50.399	ug/l	100
7) Trichlorofluoromethane	3.00	101	271487	44.464	ug/l	100
8) Diethyl Ether	3.39	74	129882	46.425	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	203261	46.172	ug/l	99
10) Methyl Iodide	3.93	142	122978	33.338	ug/l	98
11) Tert butyl alcohol	4.76	59	215569	238.942	ug/l	100
12) 1,1-Dichloroethene	3.72	96	169746	50.816	ug/l	91
13) Acrolein	3.58	56	48846	365.341	ug/l	95
14) Allyl chloride	4.30	41	327062	45.403	ug/l	97
15) Acrylonitrile	4.96	53	611587	254.440	ug/l	100
16) Acetone	3.79	43	516171	200.498	ug/l	97
17) Carbon Disulfide	4.03	76	216281	46.015	ug/l	97
18) Methyl Acetate	4.30	43	324134	47.848	ug/l	98
19) Methyl tert-butyl Ether	5.02	73	833007	50.170	ug/l	100
20) Methylene Chloride	4.53	84	226394	50.229	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	178046	48.900	ug/l	97
22) Diisopropyl ether	5.93	45	899696	49.168	ug/l	98
23) Vinyl Acetate	5.87	43	3265142	260.779	ug/l	99
24) 1,1-Dichloroethane	5.83	63	464346	47.546	ug/l	99
25) 2-Butanone	6.82	43	834379	237.893	ug/l	99
26) 2,2-Dichloropropane	6.81	77	276442	33.365	ug/l	96
27) cis-1,2-Dichloroethene	6.81	96	264054	47.818	ug/l	97
28) Bromochloromethane	7.18	49	236603	51.213	ug/l #	97
29) Tetrahydrofuran	7.19	42	528846	244.786	ug/l	99
30) Chloroform	7.36	83	508919	48.411	ug/l	99
31) Cyclohexane	7.64	56	305659	48.338	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	408398	51.032	ug/l	98
36) 1,1-Dichloropropene	7.78	75	298572	44.935	ug/l	99
37) Ethyl Acetate	6.91	43	344203	49.916	ug/l	99
38) Carbon Tetrachloride	7.76	117	314721	47.119	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	313863	48.856	ug/l	100
40) Benzene	8.03	78	967700	47.682	ug/l	100
41) Methacrylonitrile	7.15	41	174305	50.173	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	405810	47.653	ug/l	99
43) Isopropyl Acetate	8.15	43	682586	53.003	ug/l #	89
44) Trichloroethene	8.82	130	240677	48.461	ug/l	100
45) 1,2-Dichloropropane	9.11	63	302427	49.899	ug/l	98
46) Dibromomethane	9.20	93	180317	48.934	ug/l	100
47) Bromodichloromethane	9.39	83	386437	50.059	ug/l	99
48) Methyl methacrylate	9.19	41	299970	51.301	ug/l	99
49) 1,4-Dioxane	9.19	88	95109	990.700	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1917863	280.373	ug/l	100
52) Toluene	10.15	92	624232	49.079	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	398561	50.402	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	424568	48.630	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	283800	50.280	ug/l	99
56) Ethyl methacrylate	10.43	69	438348	53.825	ug/l	99
57) 1,3-Dichloropropane	10.71	76	479785	49.445	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	1046813	269.856	ug/l	98
59) 2-Hexanone	10.75	43	1374290	270.514	ug/l	99
60) Dibromochloromethane	10.90	129	285502	52.577	ug/l	99
61) 1,2-Dibromoethane	11.00	107	268561	51.342	ug/l	100
64) Tetrachloroethene	10.63	164	200223	48.856	ug/l	99
65) Chlorobenzene	11.43	112	727573	49.202	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	279936	52.208	ug/l	99
67) Ethyl Benzene	11.51	91	1299960	51.305	ug/l	99
68) m/p-Xylenes	11.62	106	948219	99.362	ug/l	97
69) o-Xylene	11.95	106	484818	51.667	ug/l	98
70) Styrene	11.97	104	856144	52.954	ug/l	99
71) Bromoform	12.13	173	189165	47.758	ug/l #	99
73) Isopropylbenzene	12.25	105	1356543	51.262	ug/l	99
74) N-amyl acetate	12.07	43	598811	54.090	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	440429	49.700	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	398920m	52.723	ug/l	
77) Bromobenzene	12.53	156	321787	48.341	ug/l	99
78) n-propylbenzene	12.59	91	1586541	52.759	ug/l	99
79) 2-Chlorotoluene	12.68	91	945917	50.332	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1169494	52.262	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	104490	42.130	ug/l	98
82) 4-Chlorotoluene	12.78	91	1007227	50.985	ug/l	99
83) tert-Butylbenzene	13.00	119	1036012	51.915	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1189898	53.432	ug/l	99
85) sec-Butylbenzene	13.18	105	1399095	53.614	ug/l	100
86) p-Isopropyltoluene	13.29	119	1268553	54.680	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	628028	51.655	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	624810	50.337	ug/l	99
89) n-Butylbenzene	13.62	91	1156222	52.568	ug/l	99
90) Hexachloroethane	13.88	117	194744	47.990	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	623511	51.124	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	83999	52.650	ug/l	98

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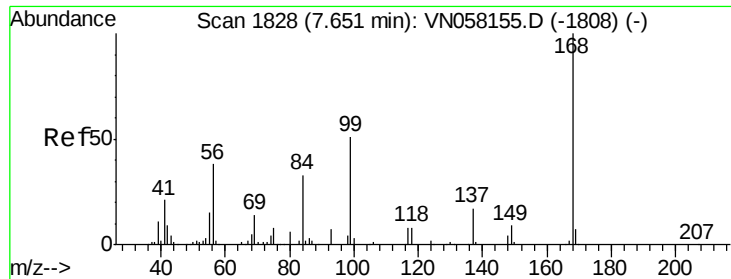
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	408207	52.386	ug/l	99
94) Hexachlorobutadiene	15.02	225	186520	49.524	ug/l	97
95) Naphthalene	15.13	128	1128141	55.864	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	382423	51.924	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

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Acq: 19 Sep 2019 00:36

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 544540

Ion Ratio Lower Upper

168 100

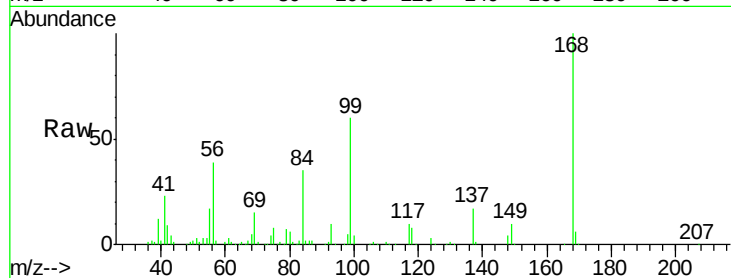
99 59.6 47.4 71.2

Manual Integrations

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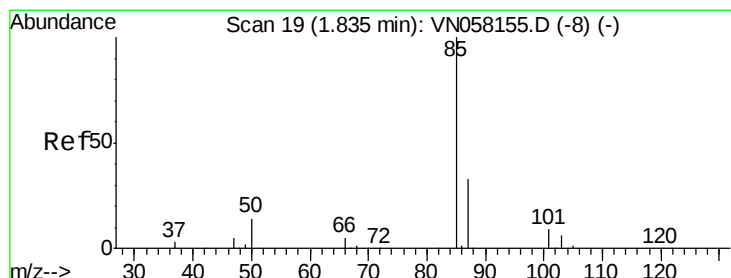
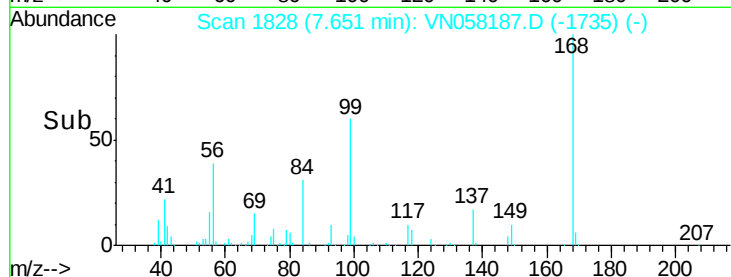
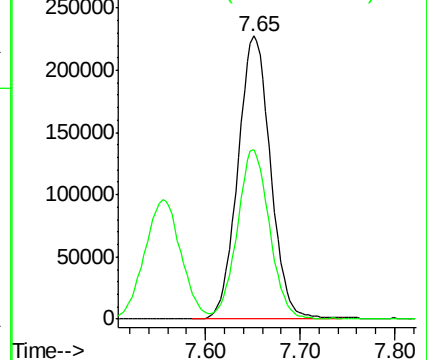
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 45.956 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058187.D

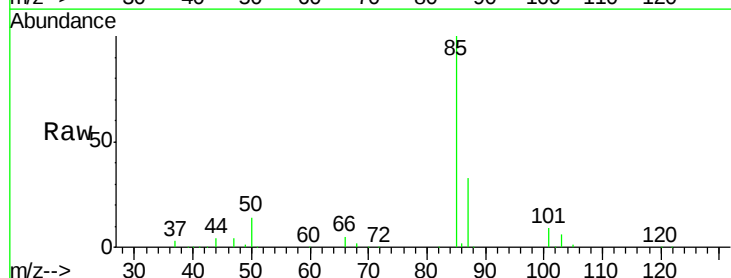
Acq: 19 Sep 2019 00:36

Tgt Ion: 85 Resp: 205574

Ion Ratio Lower Upper

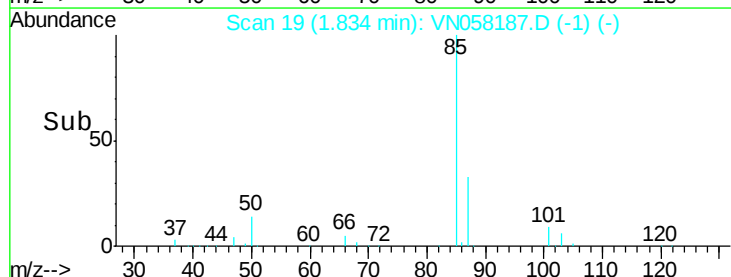
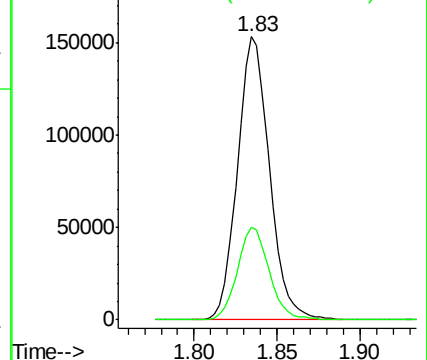
85 100

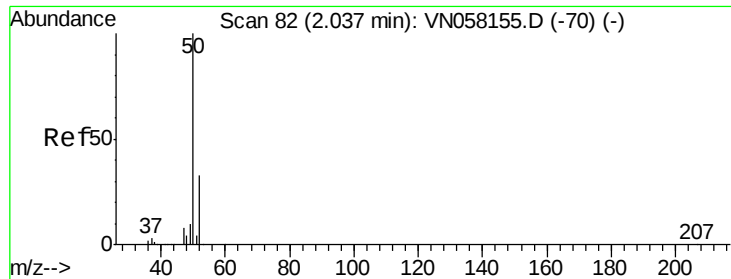
87 32.8 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 47.505 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058187.D

Acq: 19 Sep 2019 00:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 163977

Ion Ratio Lower Upper

50 100

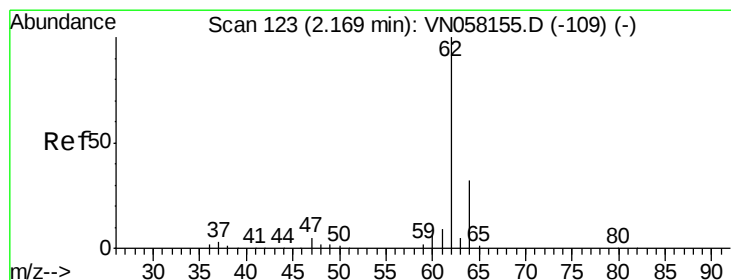
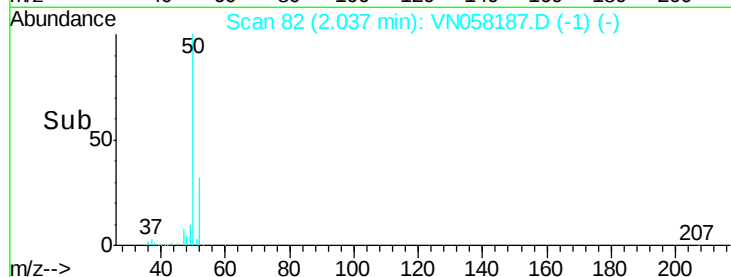
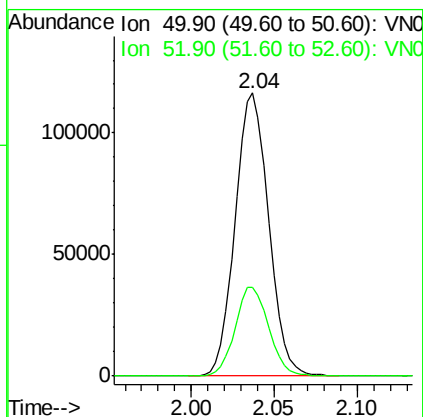
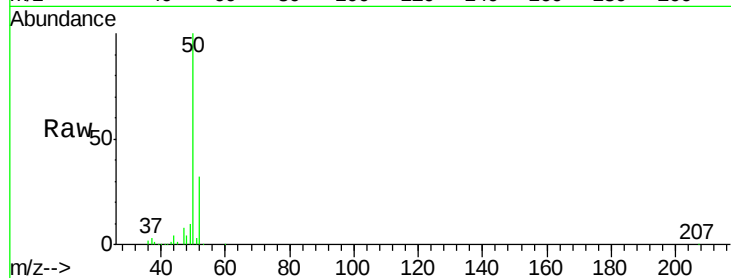
52 31.6 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.683 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058187.D

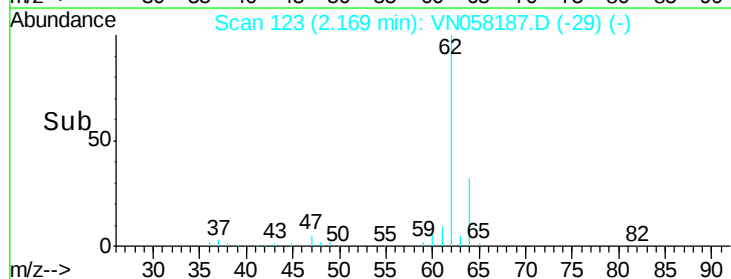
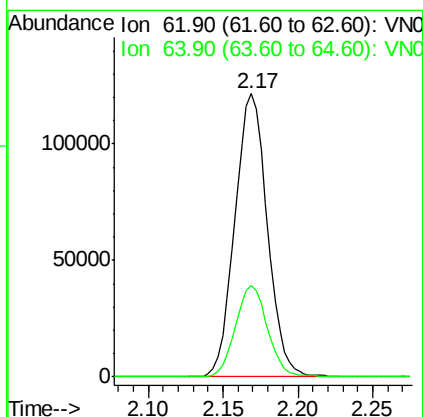
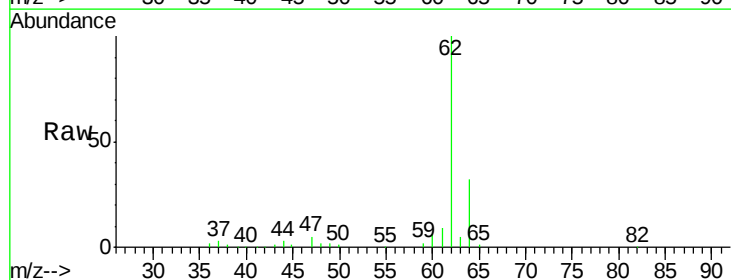
Acq: 19 Sep 2019 00:36

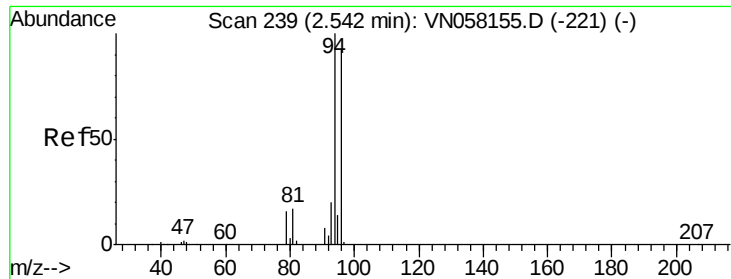
Tgt Ion: 62 Resp: 183649

Ion Ratio Lower Upper

62 100

64 32.3 25.4 38.2





#5

Bromomethane

Concen: 33.240 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

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Acq: 19 Sep 2019 00:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 65855

Ion Ratio Lower Upper

94 100

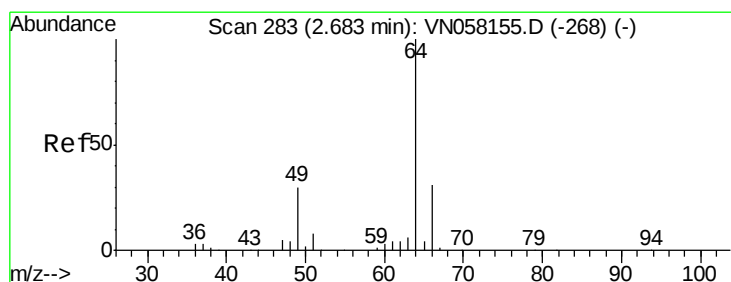
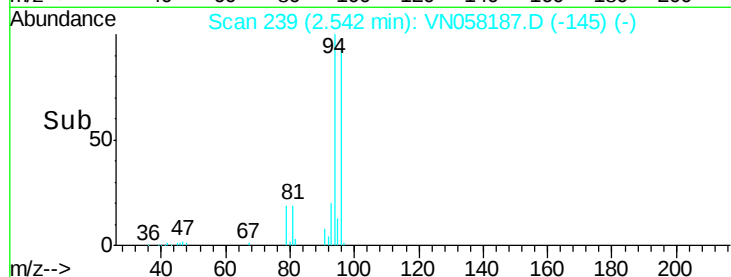
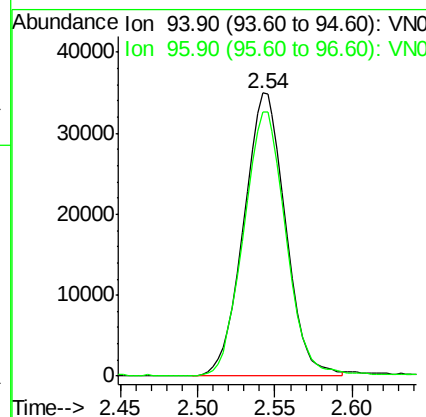
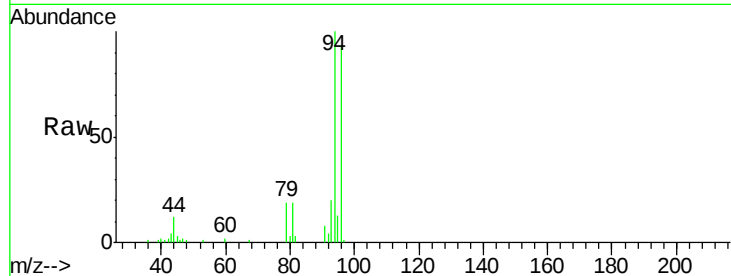
96 93.1 73.3 109.9

Manual Integrations

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#6

Chloroethane

Concen: 50.399 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058187.D

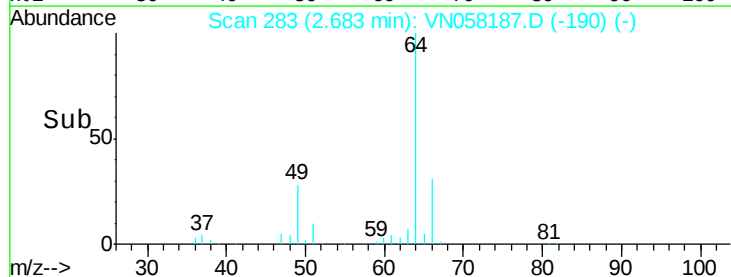
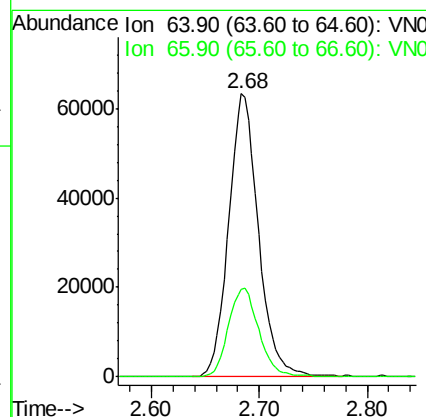
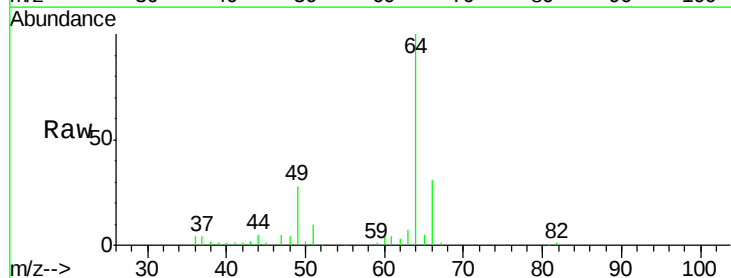
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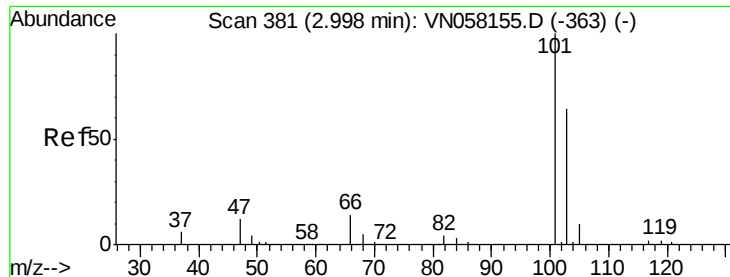
Tgt Ion: 64 Resp: 121694

Ion Ratio Lower Upper

64 100

66 30.9 24.6 37.0





#7

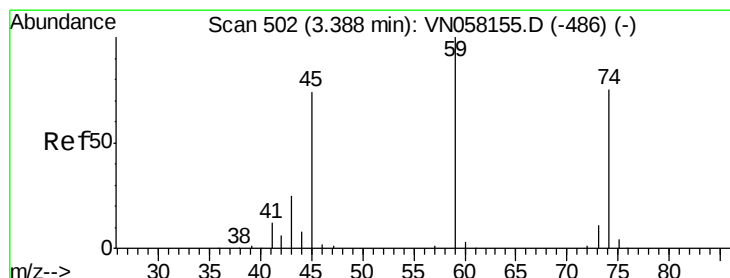
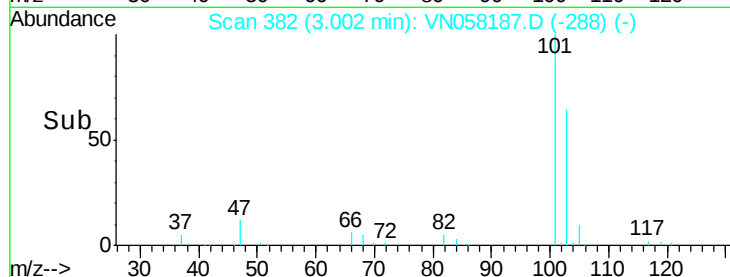
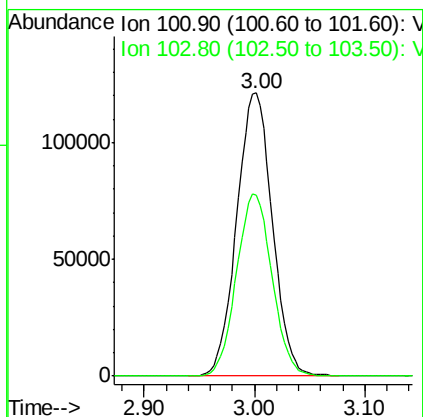
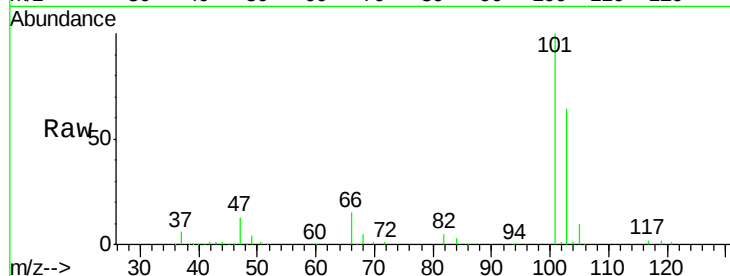
Trichlorofluoromethane
 Concen: 44.464 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN058187.D
 Acq: 19 Sep 2019 00:36

Instrument :
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 VSTDCCC050EC

Tot Ion:101 Resp: 271487
 Ion Ratio Lower Upper
 101 100
 103 63.9 51.0 76.6

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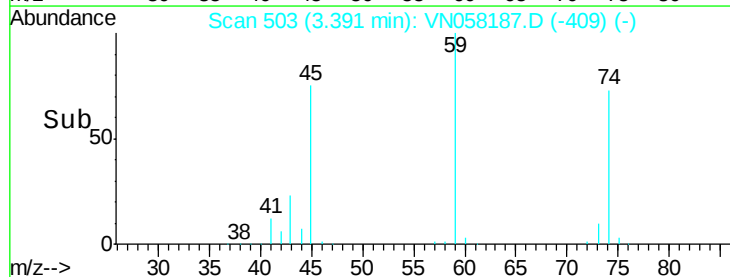
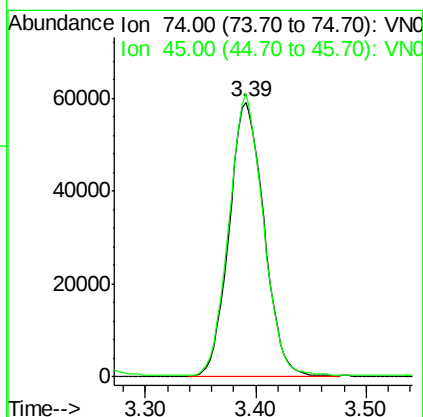
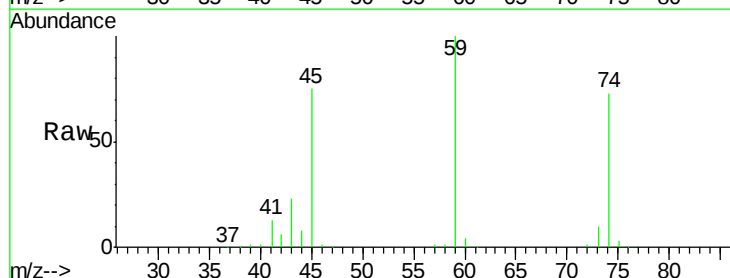
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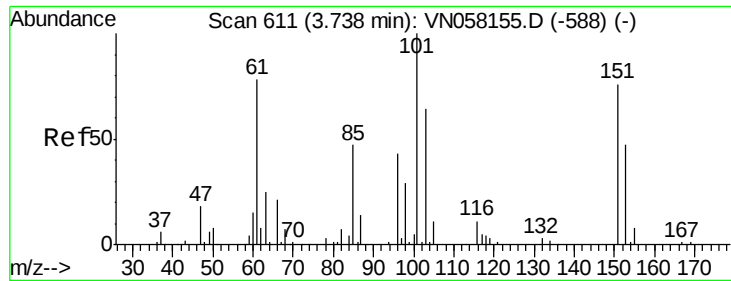


#8

Diethyl Ether
 Concen: 46.425 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058187.D
 Acq: 19 Sep 2019 00:36

Tgt Ion: 74 Resp: 129882
 Ion Ratio Lower Upper
 74 100
 45 100.5 48.5 145.5





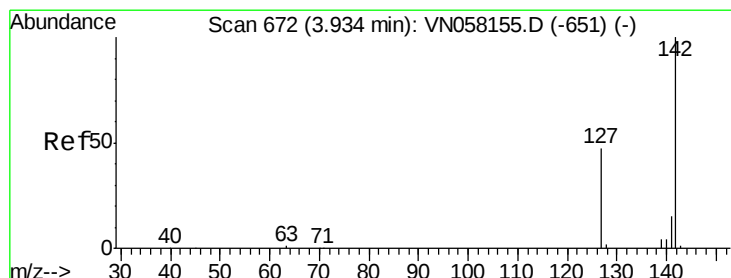
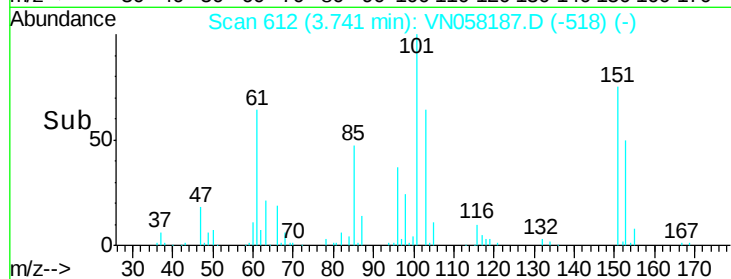
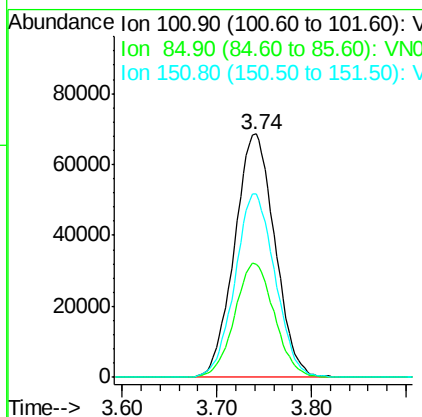
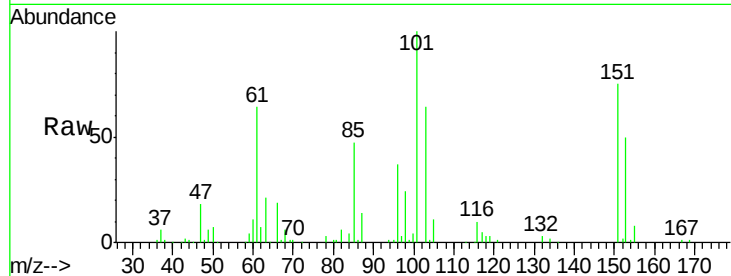
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 46.172 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN058187.D
 Acq: 19 Sep 2019 00:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
101	100	203261		
85	46.1		37.3	55.9
151	74.9		59.6	89.4

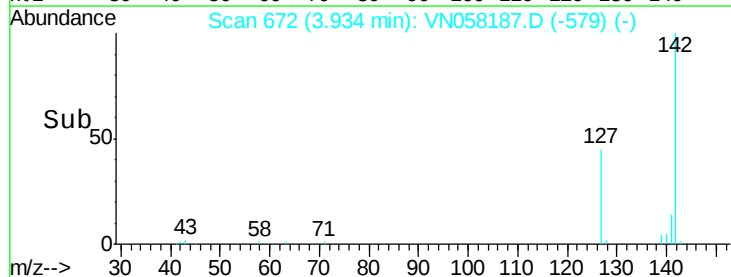
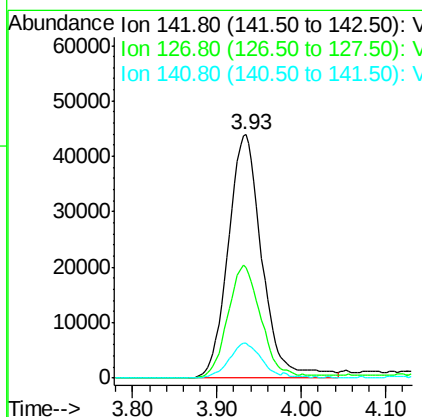
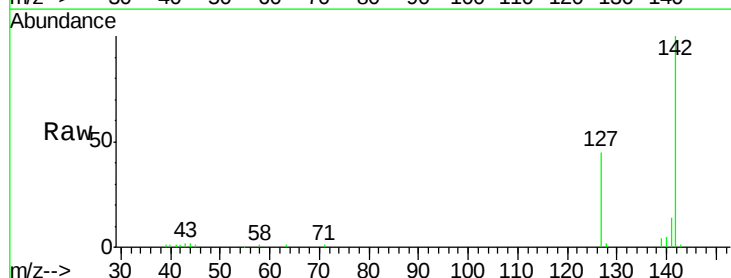
Manual Integrations
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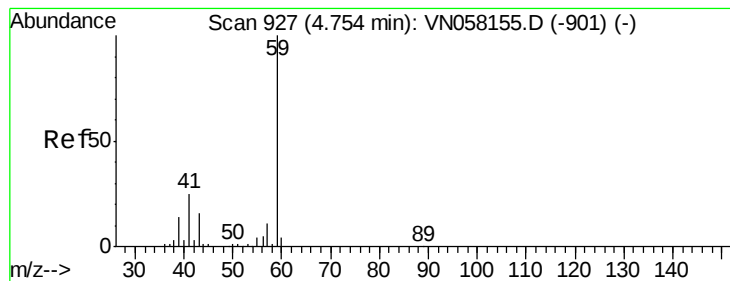
MMDadoda
 9/20/2019 1:44:26 PM



#10
 Methyl Iodide
 Concen: 33.338 ug/l
 RT: 3.93 min Scan# 672
 Delta R.T. -0.00 min
 Lab File: VN058187.D
 Acq: 19 Sep 2019 00:36

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	122978		
127	45.8		37.5	56.3
141	13.8		11.4	17.2





#11

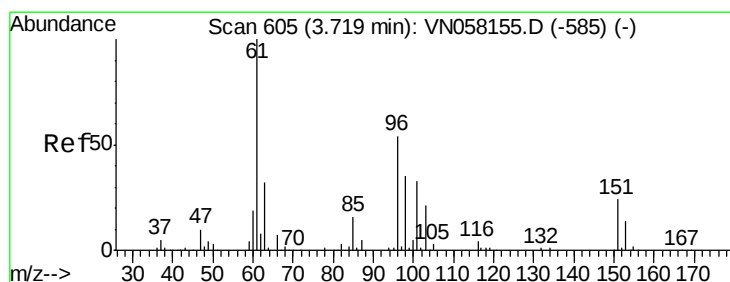
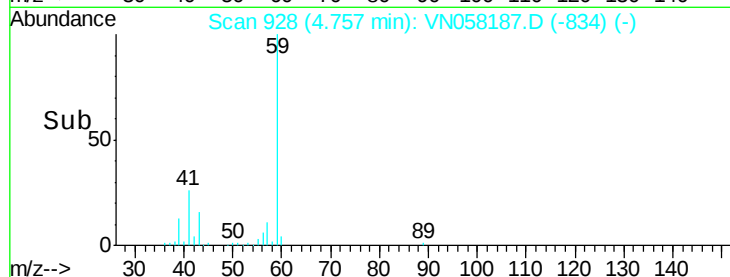
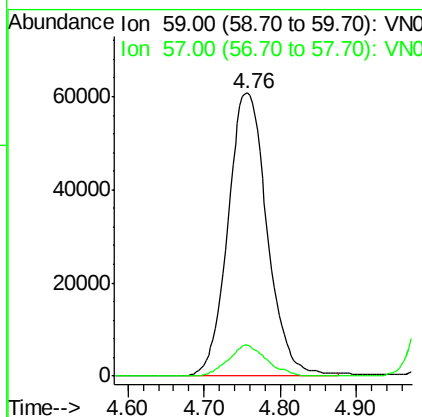
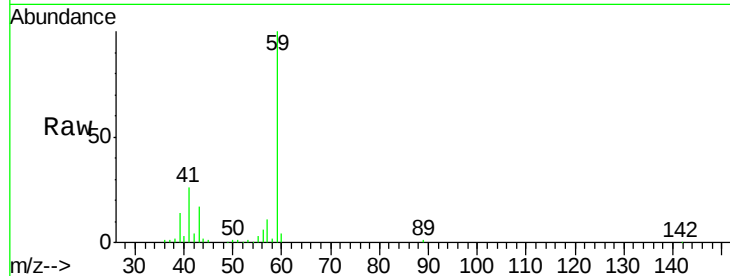
Tert butyl alcohol
Concen: 238.942 ug/l
RT: 4.76 min Scan# 928
Delta R.T. 0.00 min
Lab File: VN058187.D
Acq: 19 Sep 2019 00:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
59	100	215569		
57	10.9		8.6	13.0

Manual Integrations
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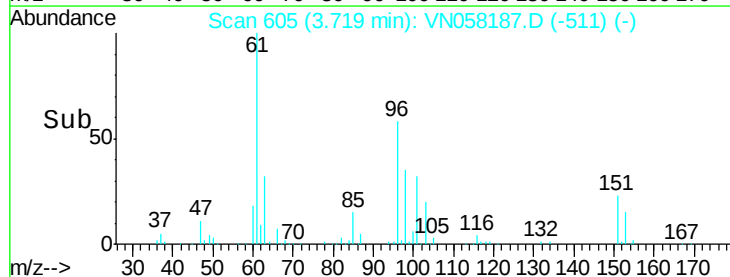
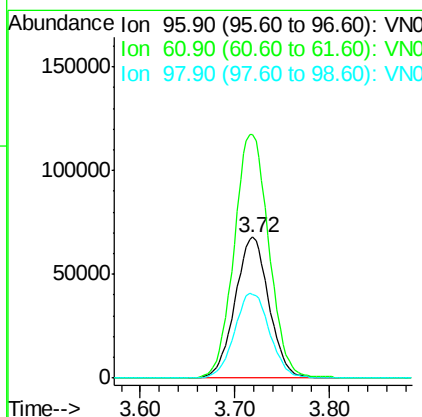
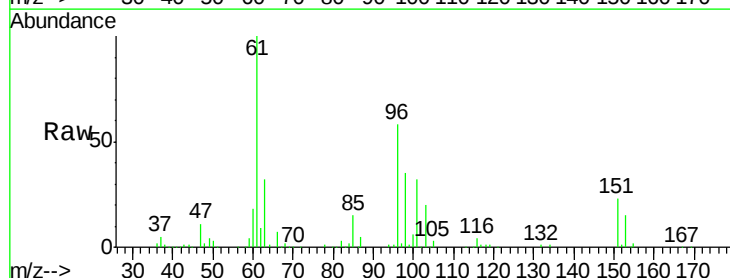
MMDadoda
9/20/2019 1:44:26 PM

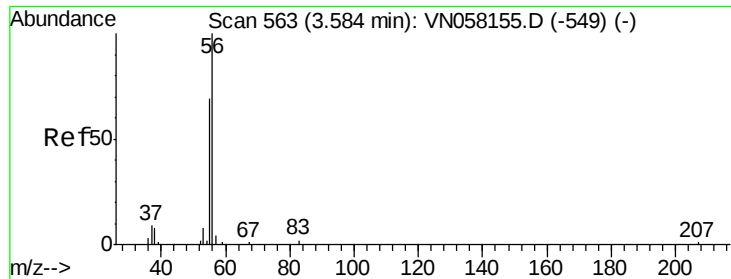


#12

1,1-Dichloroethene
Concen: 50.816 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.00 min
Lab File: VN058187.D
Acq: 19 Sep 2019 00:36

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	169746		
61	172.7		149.5	224.3
98	59.6		52.4	78.6





#13

Acrolein

Concen: 365.341 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN058187.D

Acq: 19 Sep 2019 00:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 48846

Ion Ratio Lower Upper

56 100

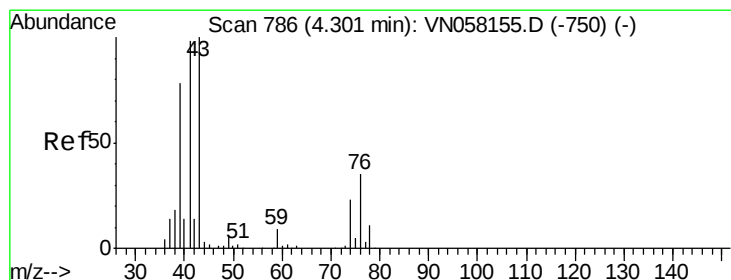
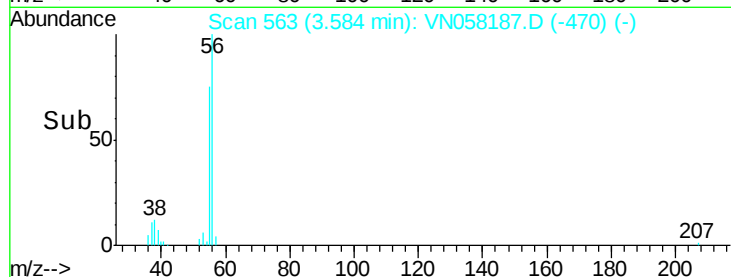
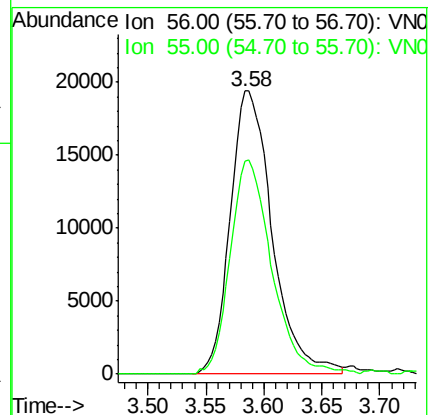
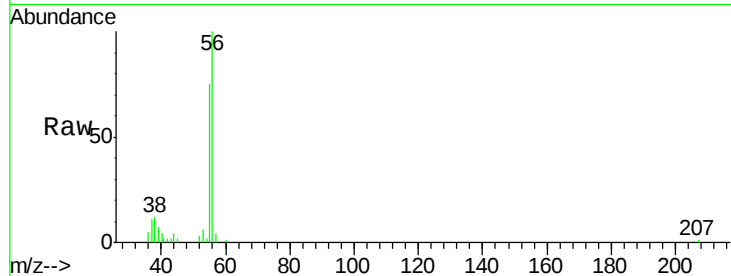
55 74.6 56.1 84.1

Manual Integrations

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#14

Allyl chloride

Concen: 45.403 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058187.D

Acq: 19 Sep 2019 00:36

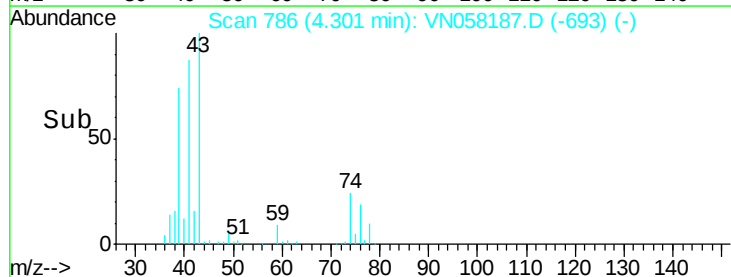
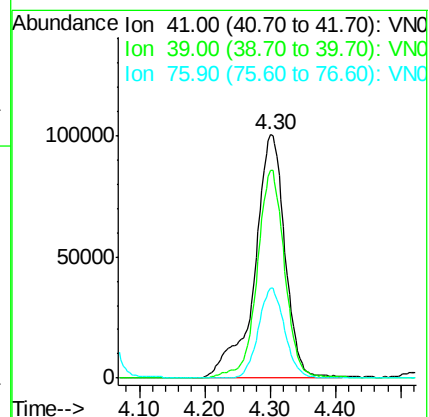
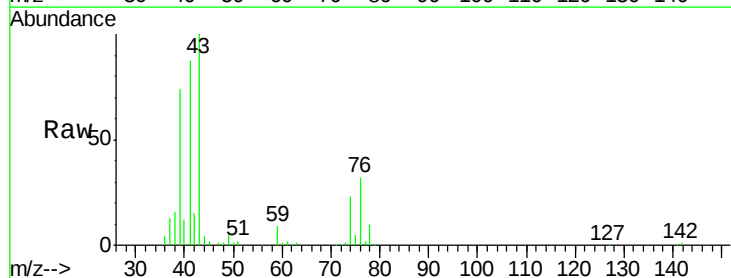
Tgt Ion: 41 Resp: 327062

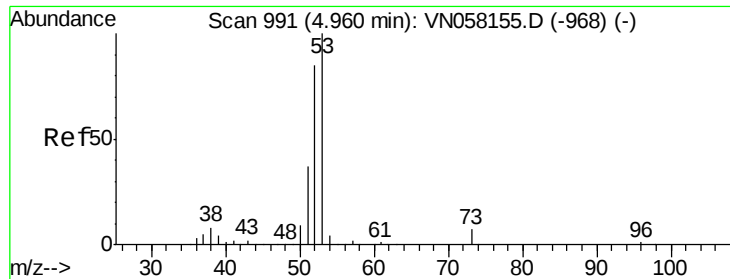
Ion Ratio Lower Upper

41 100

39 76.8 59.1 88.7

76 31.8 25.1 37.7





#15

Acrylonitrile

Concen: 254.440 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058187.D

Acq: 19 Sep 2019 00:36

Instrument :

MSVOA_N

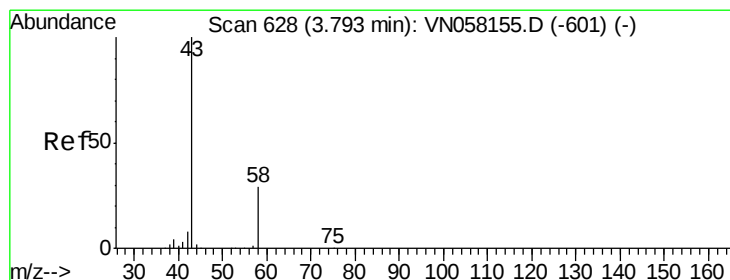
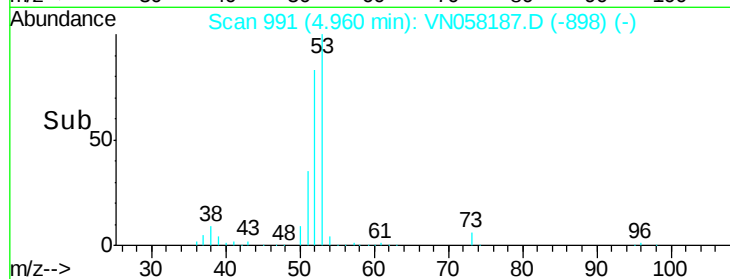
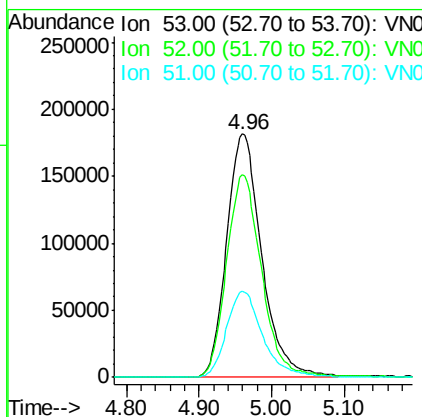
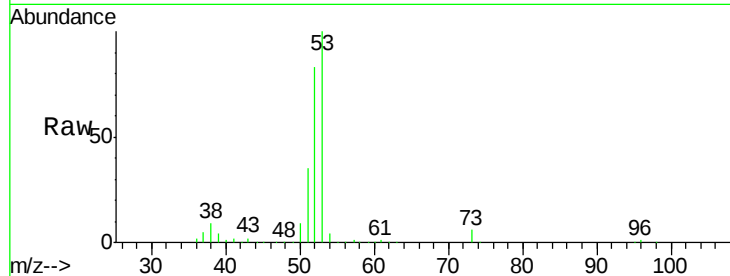
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	611587
Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.6	100.0
51	36.5	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 200.498 ug/l

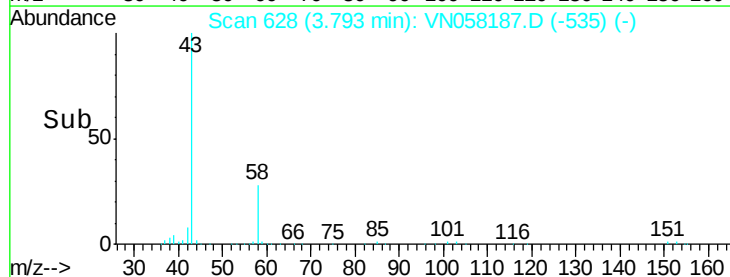
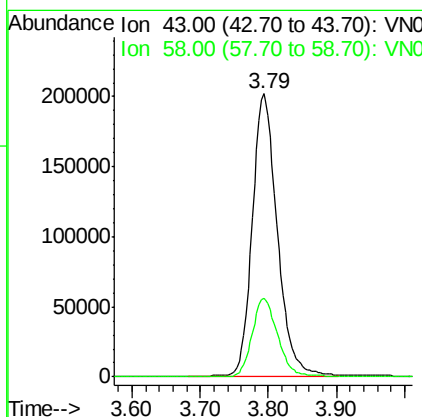
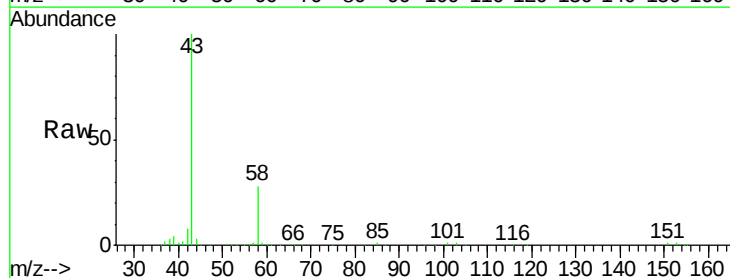
RT: 3.79 min Scan# 628

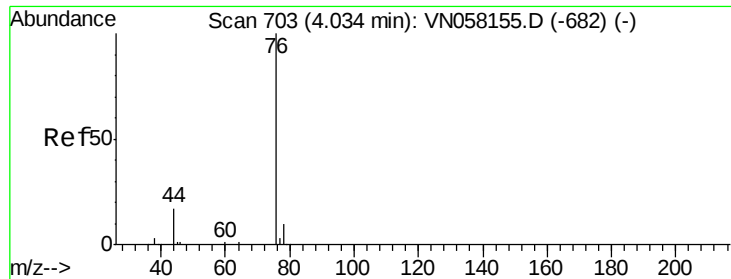
Delta R.T. -0.00 min

Lab File: VN058187.D

Acq: 19 Sep 2019 00:36

Tgt Ion:	43	Resp:	516171
Ion	Ratio	Lower	Upper
43	100		
58	27.8	23.4	35.2





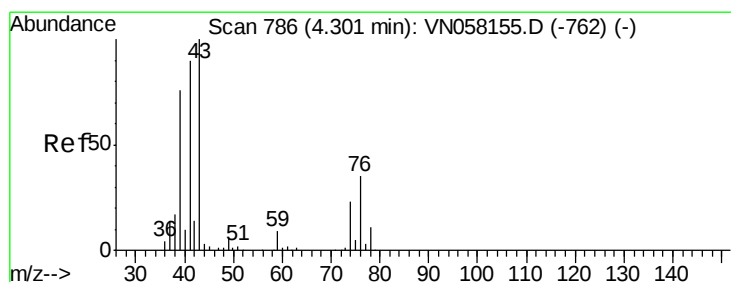
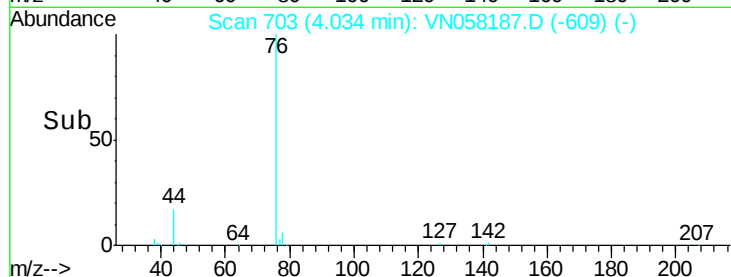
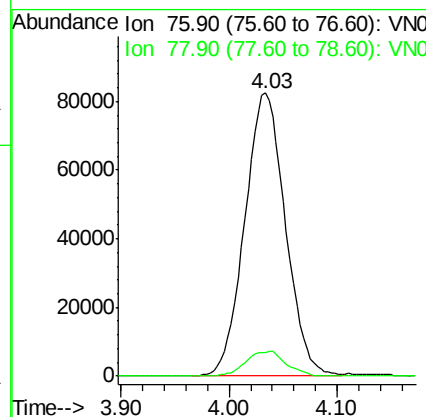
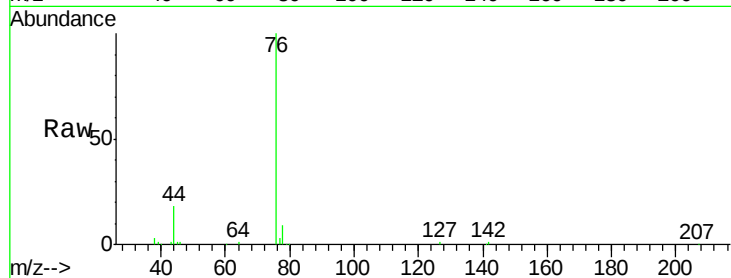
#17
Carbon Disulfide
Concen: 46.015 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN058187.D
Acq: 19 Sep 2019 00:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.7	11.5

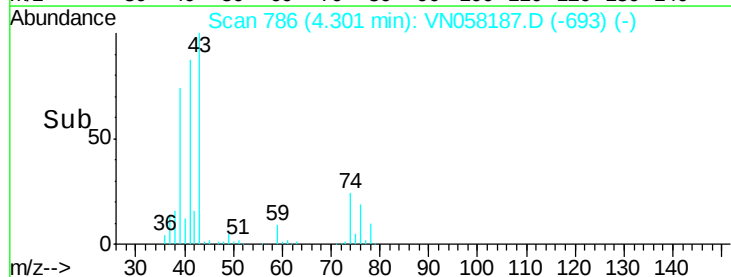
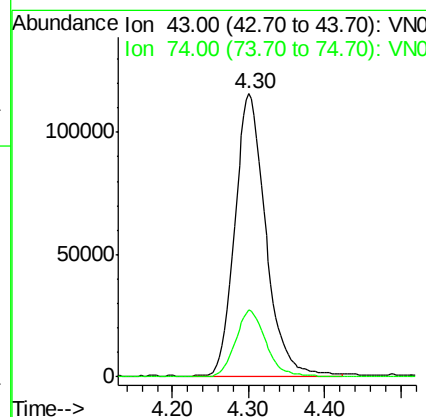
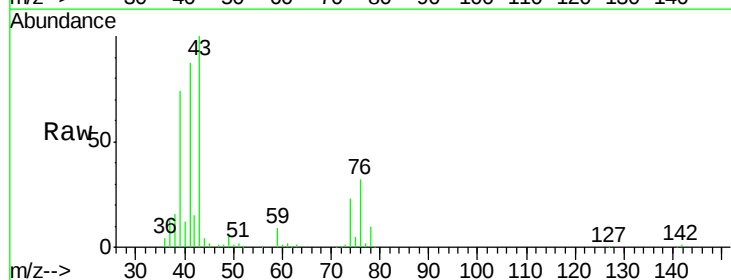
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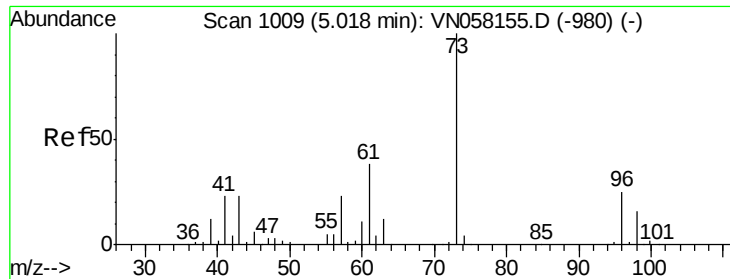
MMDadoda
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#18
Methyl Acetate
Concen: 47.848 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058187.D
Acq: 19 Sep 2019 00:36

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.6	18.0	27.0





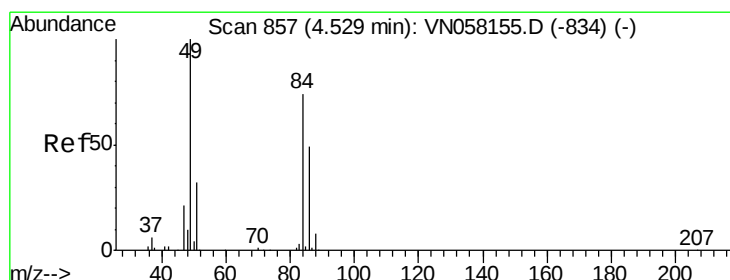
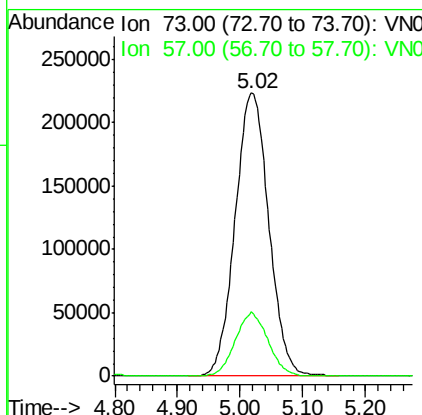
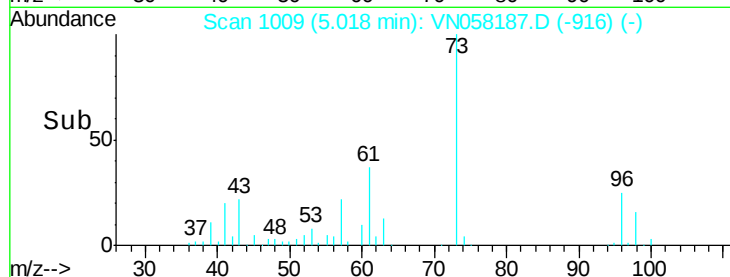
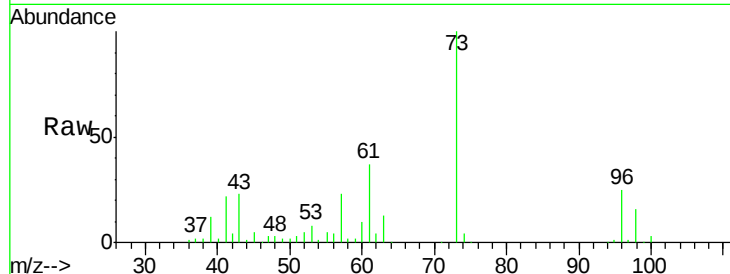
#19
Methvl tert-butvl Ether
Concen: 50.170 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058187.D
Acq: 19 Sep 2019 00:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 833007
Ion Ratio Lower Upper
73 100
57 22.6 18.1 27.1

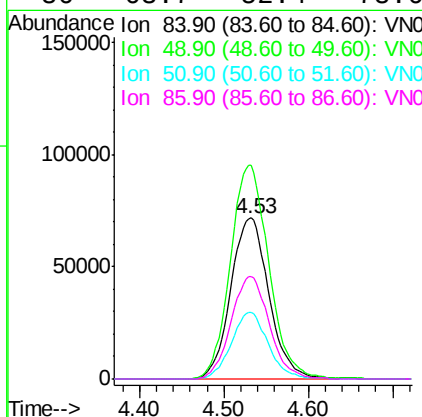
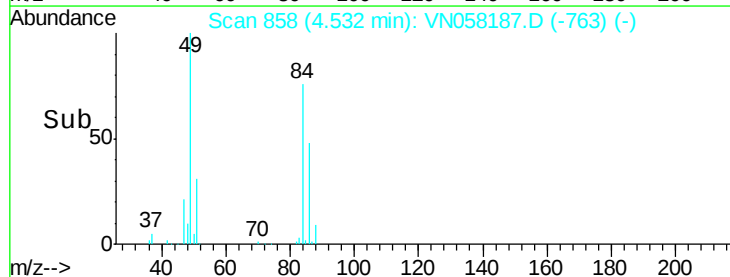
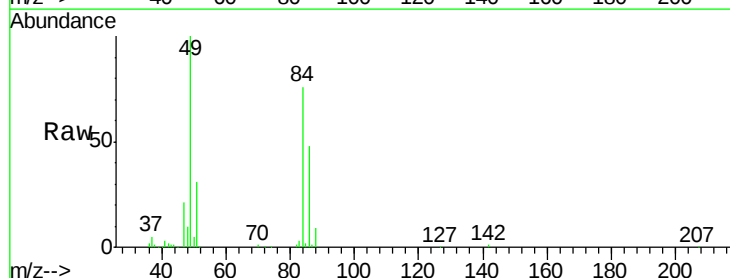
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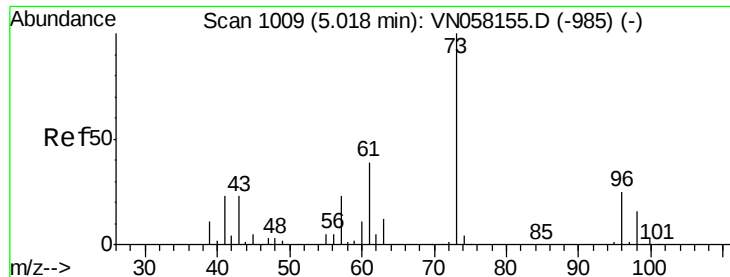
MMDadoda
9/20/2019 1:44:26 PM



#20
Methylene Chloride
Concen: 50.229 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.00 min
Lab File: VN058187.D
Acq: 19 Sep 2019 00:36

Tgt Ion: 84 Resp: 226394
Ion Ratio Lower Upper
84 100
49 132.3 107.5 161.3
51 41.3 33.9 50.9
86 63.7 52.4 78.6





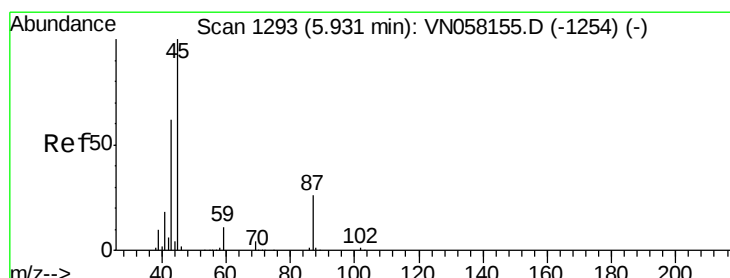
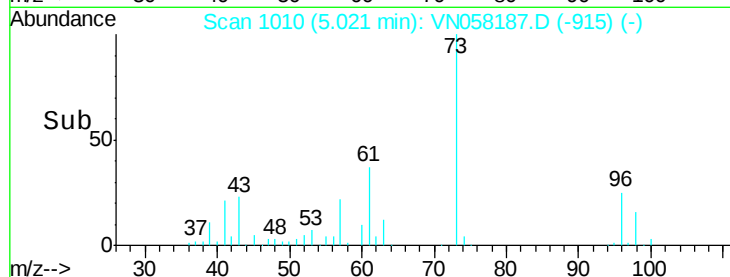
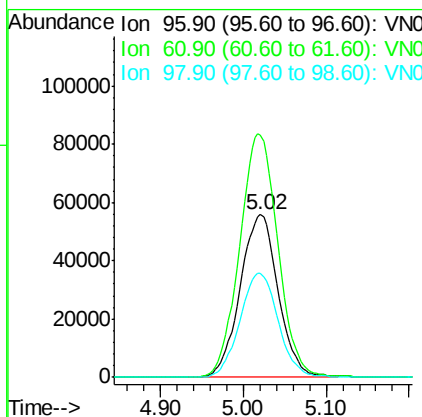
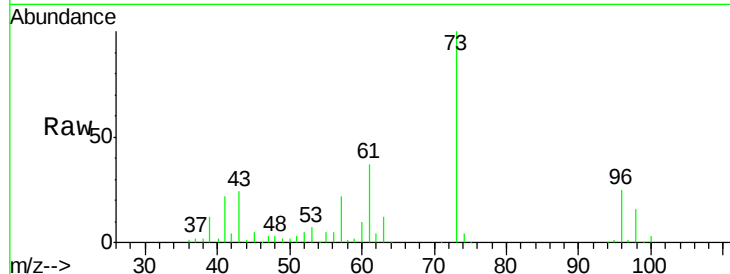
#21
trans-1,2-Dichloroethene
Concen: 48.900 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058187.D
Acq: 19 Sep 2019 00:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.0	122.2	183.4
98	63.6	49.9	74.9

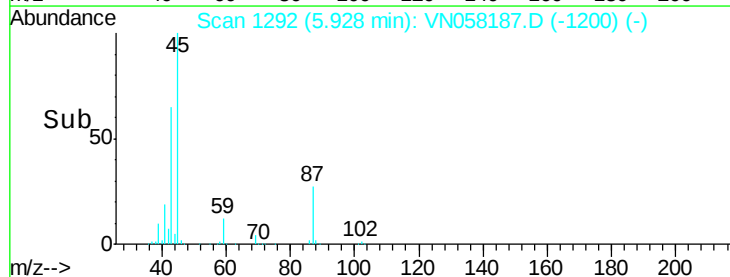
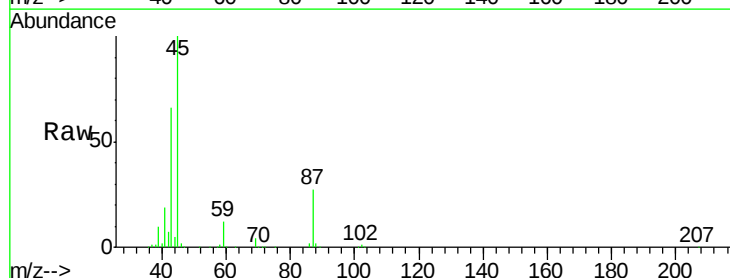
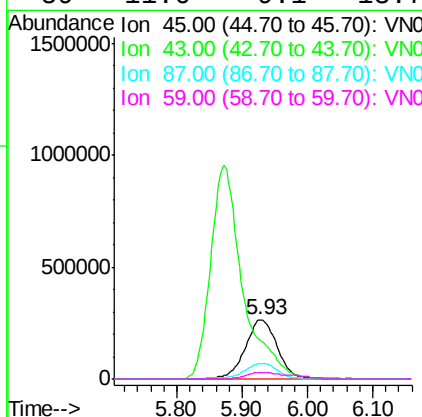
Manual Integrations
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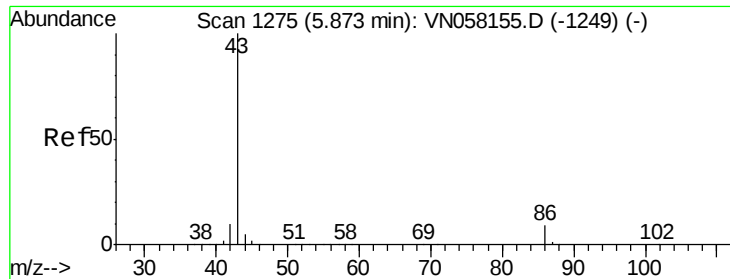
MMDadoda
9/20/2019 1:44:26 PM



#22
Diisopropyl ether
Concen: 49.168 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058187.D
Acq: 19 Sep 2019 00:36

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.2	49.7	74.5
87	26.5	20.7	31.1
59	11.6	9.1	13.7





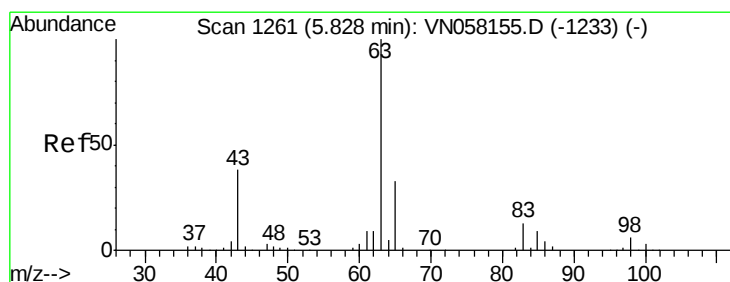
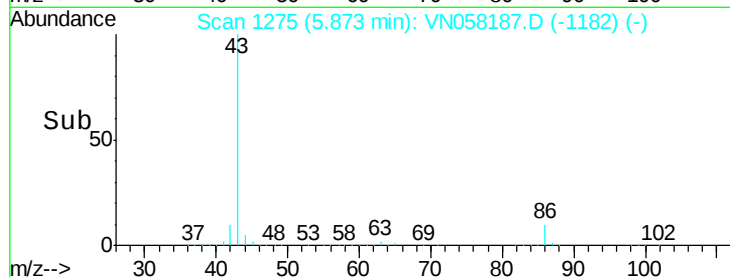
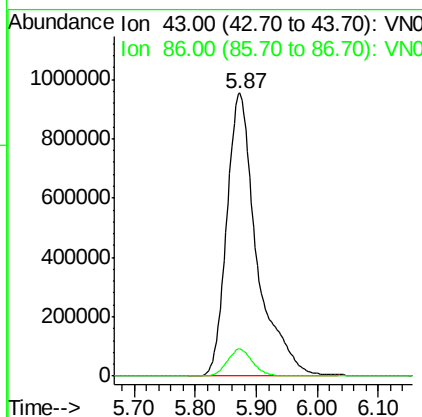
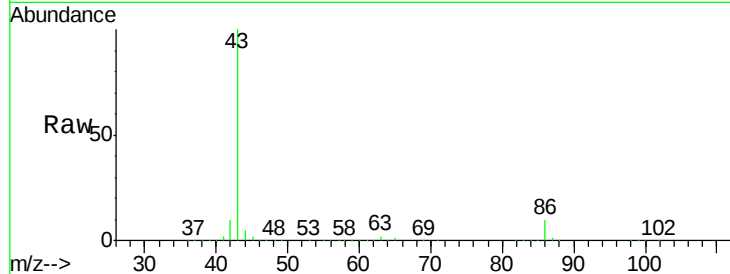
#23
 Vinyl Acetate
 Concen: 260.779 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. -0.00 min
 Lab File: VN058187.D
 Acq: 19 Sep 2019 00:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 3265142
 Ion Ratio Lower Upper
 43 100
 86 9.7 7.4 11.2

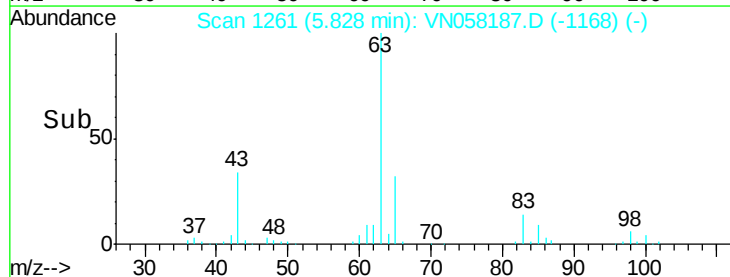
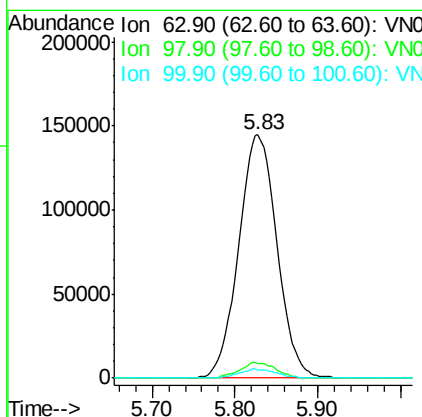
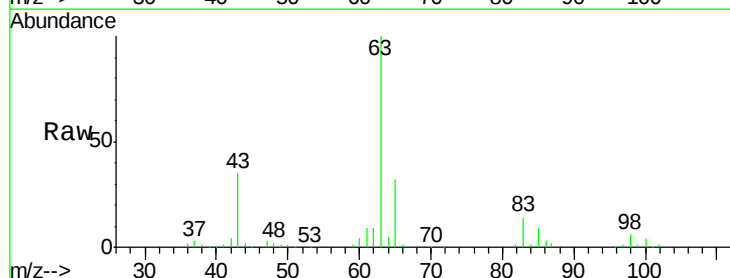
Manual Integrations
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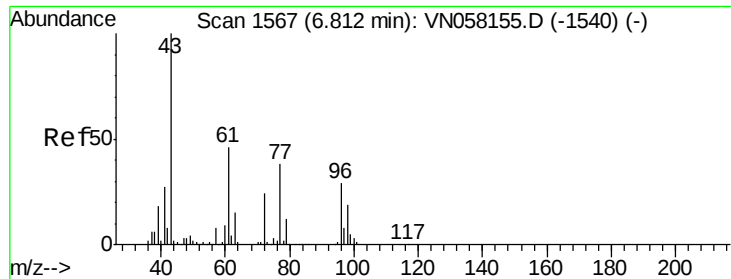
MMDadoda
 9/20/2019 1:44:26 PM



#24
 1,1-Dichloroethane
 Concen: 47.546 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VN058187.D
 Acq: 19 Sep 2019 00:36

Tgt Ion: 63 Resp: 464346
 Ion Ratio Lower Upper
 63 100
 98 6.2 2.9 8.6
 100 3.5 1.8 5.3





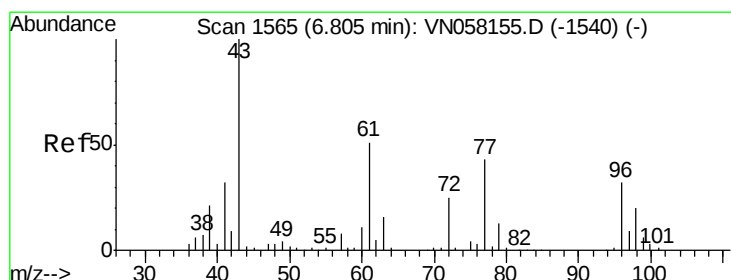
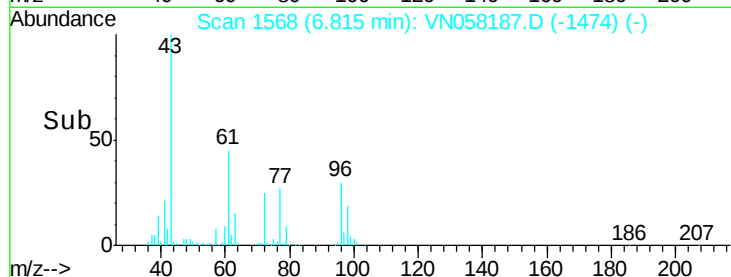
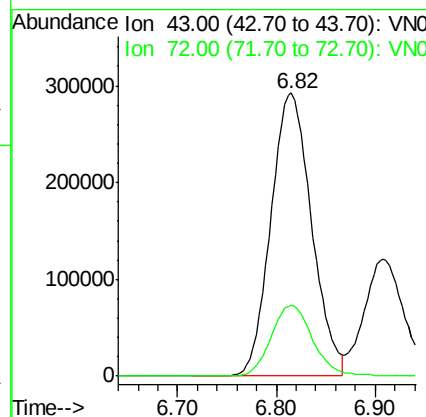
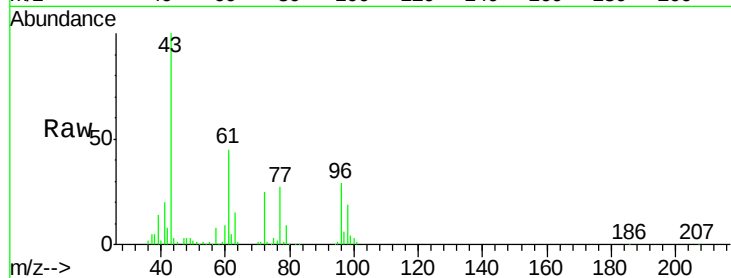
#25
2-Butanone
Concen: 237.893 ug/l
RT: 6.82 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VN058187.D
Acq: 19 Sep 2019 00:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 834379
Ion Ratio Lower Upper
43 100
72 24.9 19.5 29.3

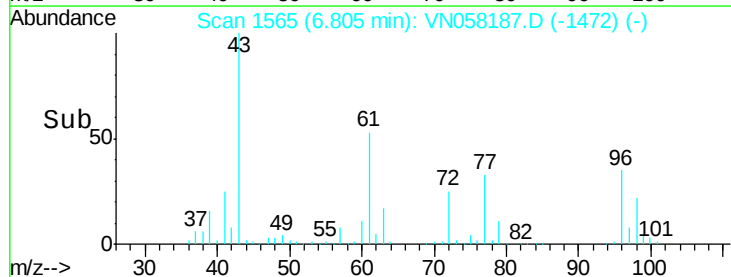
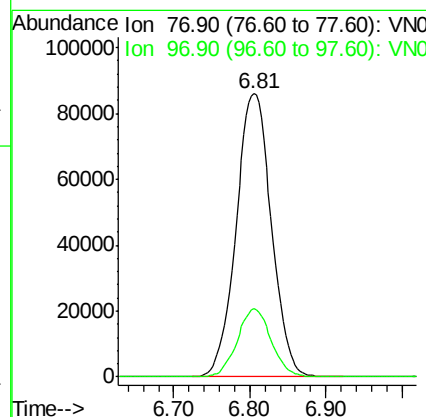
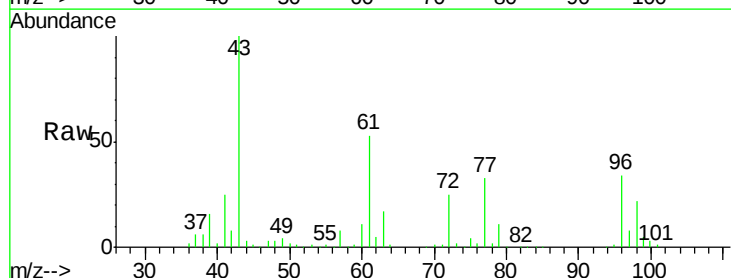
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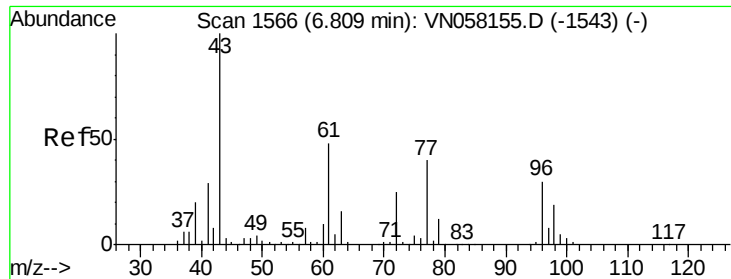
MMDadoda
9/20/2019 1:44:26 PM



#26
2,2-Dichloropropane
Concen: 33.365 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VN058187.D
Acq: 19 Sep 2019 00:36

Tgt Ion: 77 Resp: 276442
Ion Ratio Lower Upper
77 100
97 23.2 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 47.818 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN058187.D

Acq: 19 Sep 2019 00:36

Instrument :

MSVOA_N

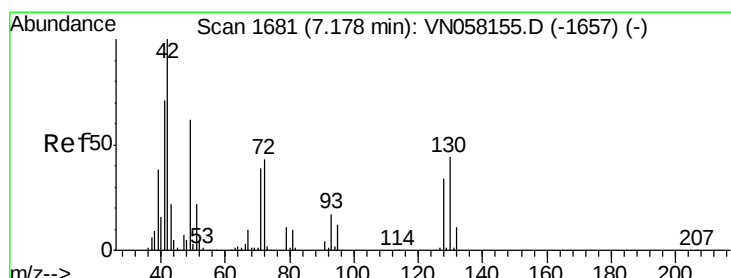
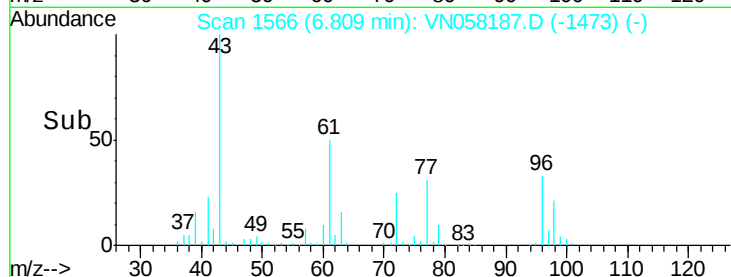
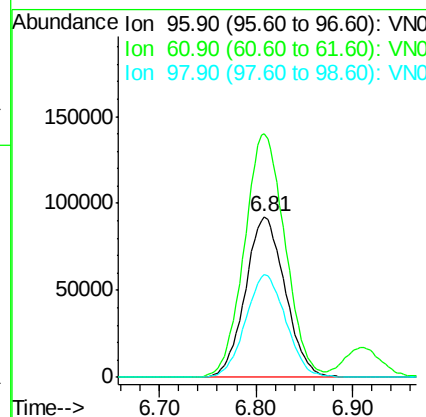
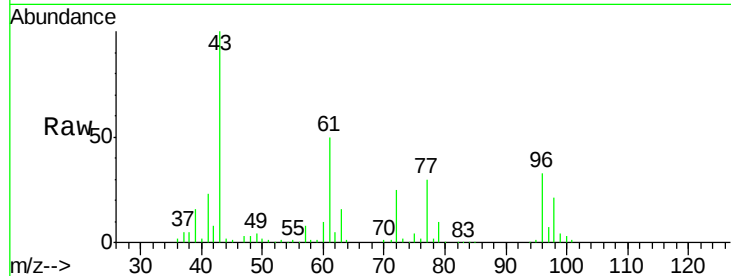
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	264054
Ion Ratio	Lower	Upper	
96	100		
61	154.7	0.0	319.0
98	64.7	0.0	126.6

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#28

Bromochloromethane

Concen: 51.213 ug/l

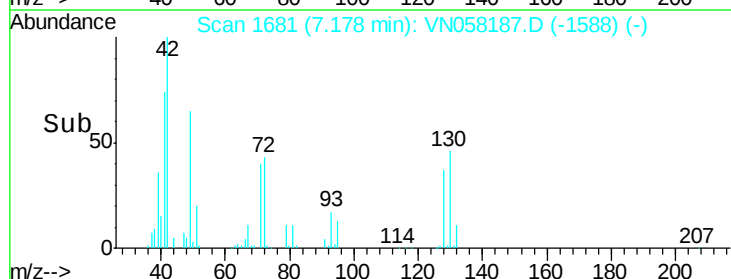
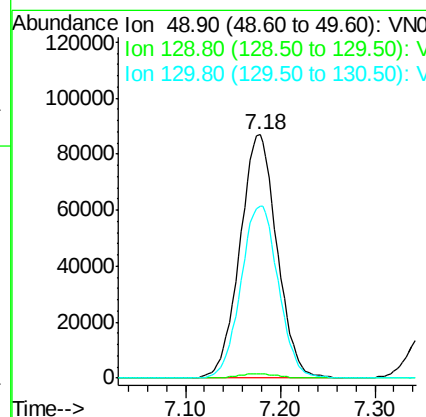
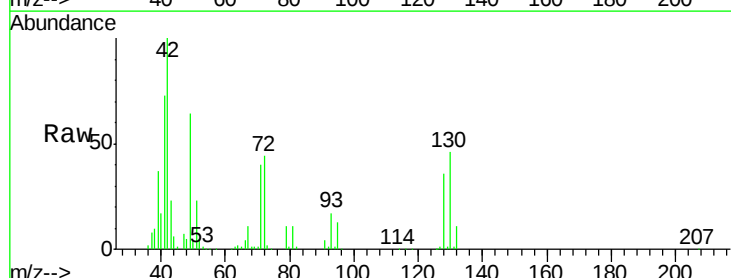
RT: 7.18 min Scan# 1681

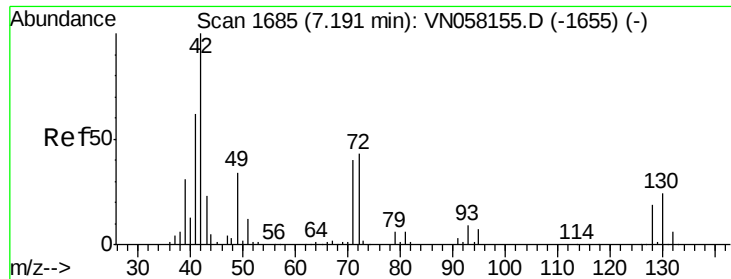
Delta R.T. -0.00 min

Lab File: VN058187.D

Acq: 19 Sep 2019 00:36

Tgt Ion:	49	Resp:	236603
Ion Ratio	Lower	Upper	
49	100		
129	1.9	0.0	1.8#
130	71.4	55.4	83.2





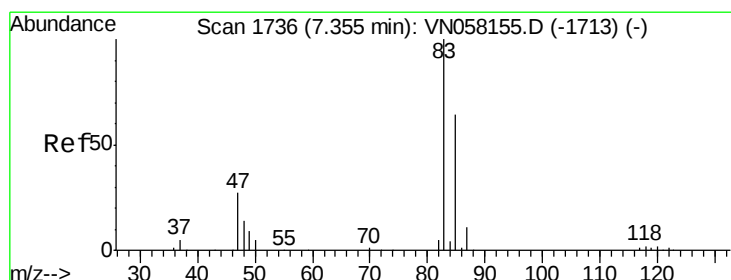
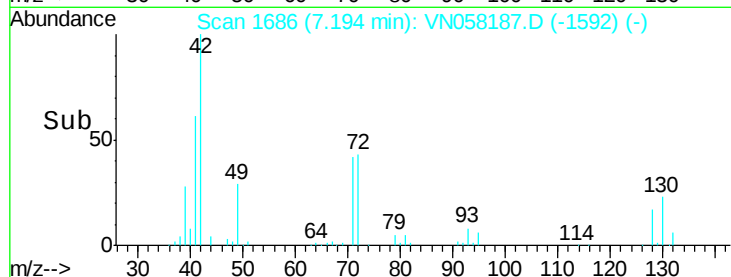
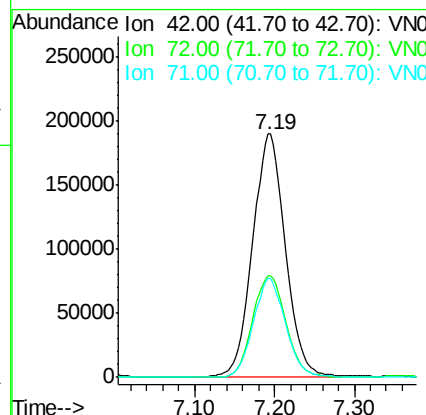
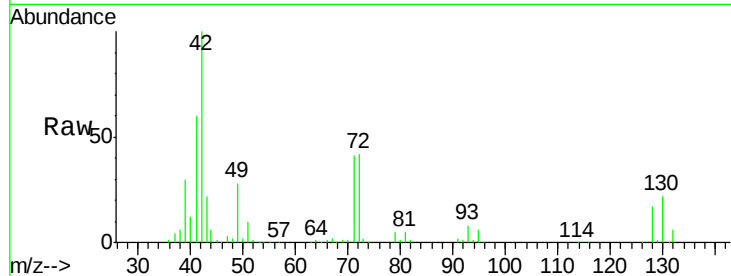
#29
Tetrahydrofuran
Concen: 244.786 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058187.D
Acq: 19 Sep 2019 00:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.4	33.8	50.6
71	40.0	31.4	47.0

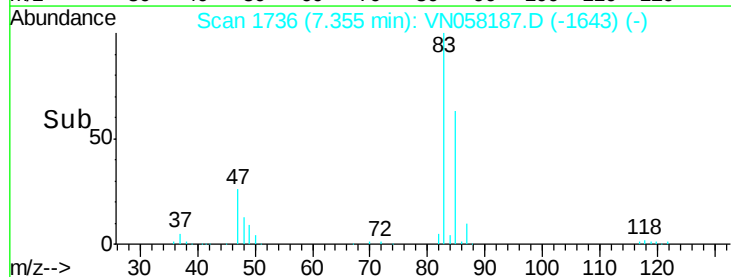
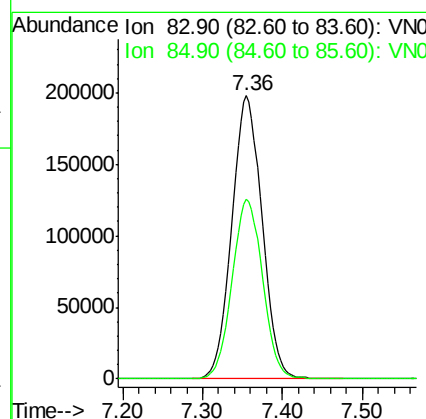
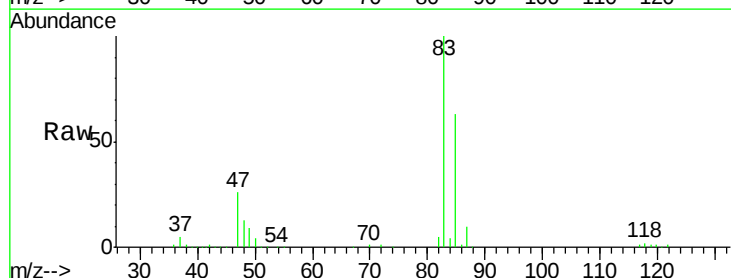
Manual Integrations
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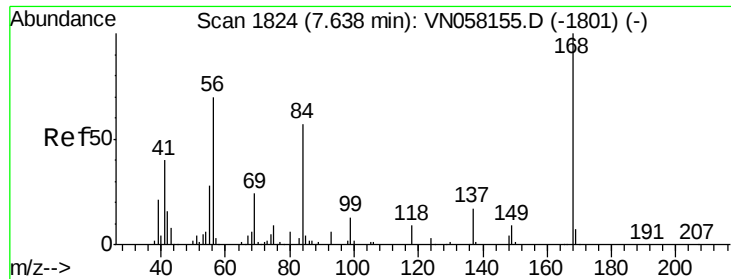
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#30
Chloroform
Concen: 48.411 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN058187.D
Acq: 19 Sep 2019 00:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.4	77.2





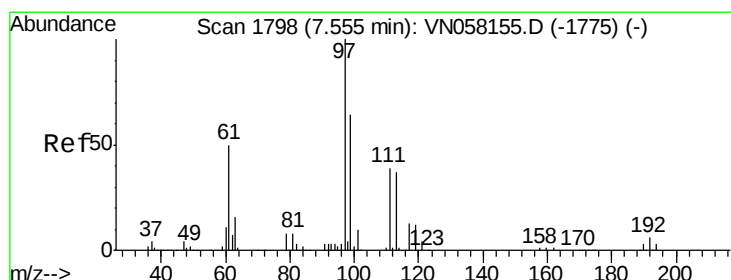
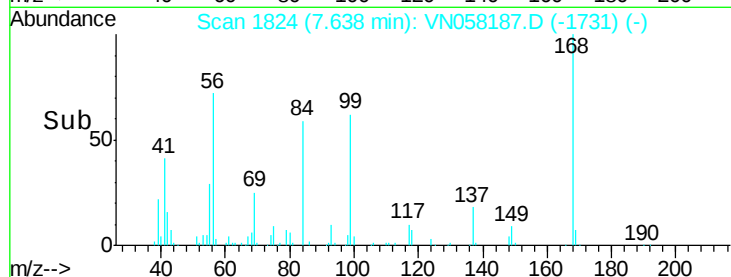
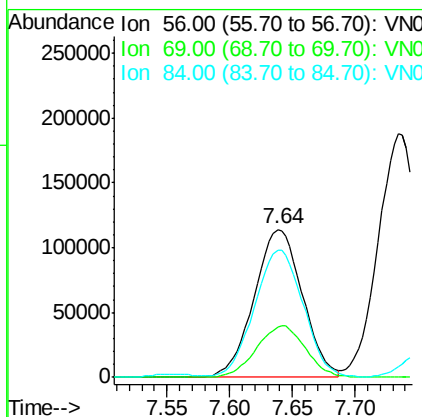
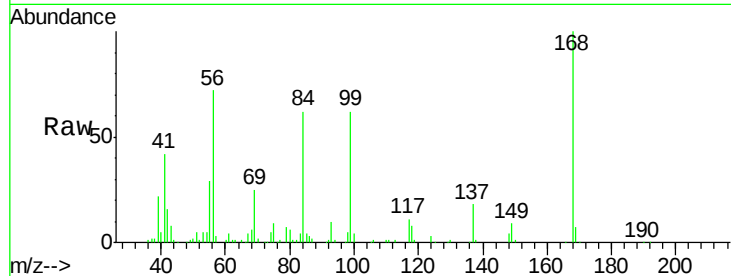
#31
Cyclohexane
Concen: 48.338 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN058187.D
Acq: 19 Sep 2019 00:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.1	27.3	40.9
84	84.1	65.0	97.4

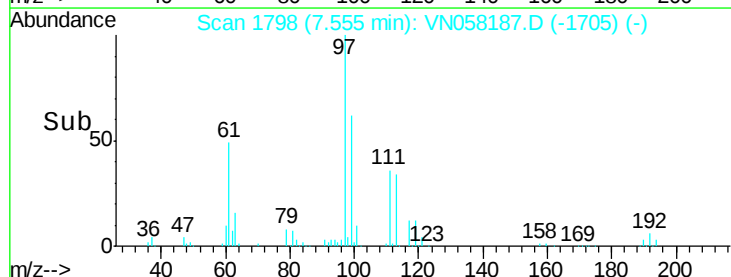
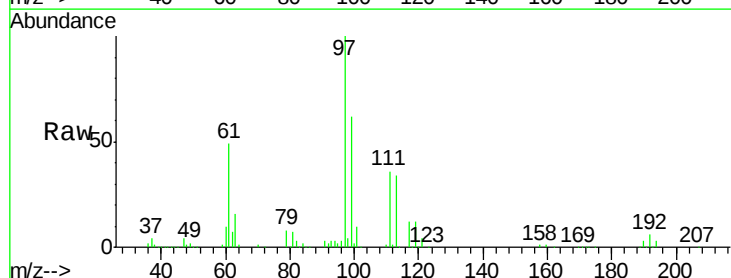
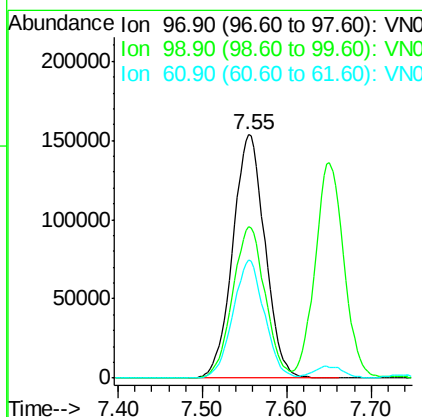
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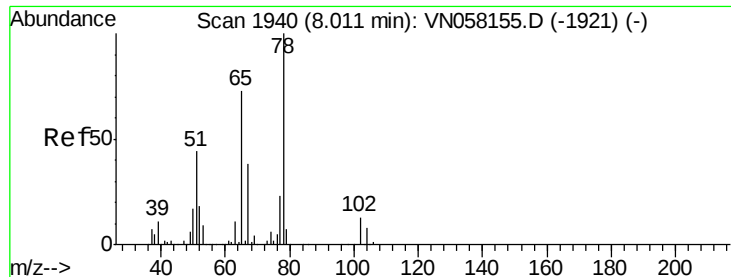
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#32
1,1,1-Trichloroethane
Concen: 51.032 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN058187.D
Acq: 19 Sep 2019 00:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.9	50.9	76.3
61	47.4	39.2	58.8





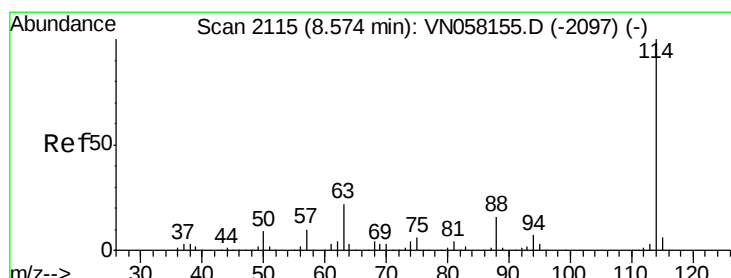
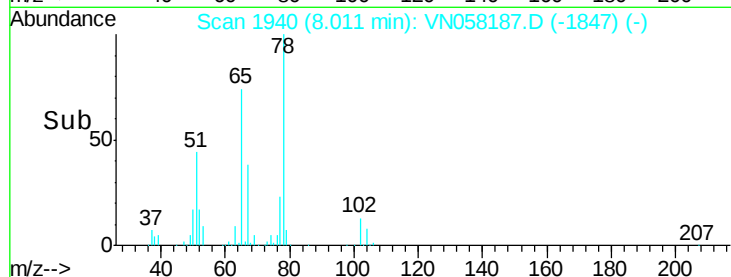
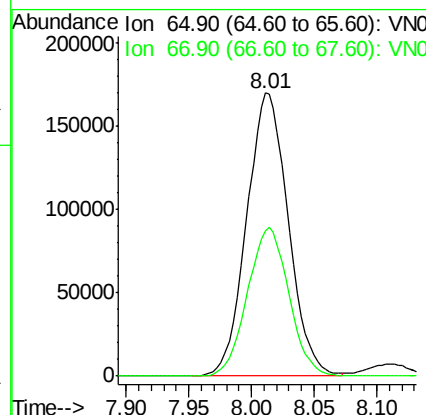
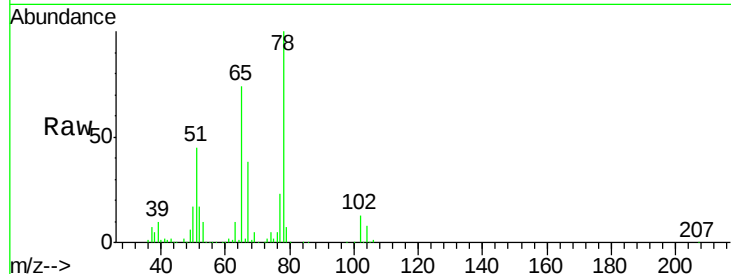
#33
 1,2-Dichloroethane-d4
 Concen: 51.760 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058187.D
 Acq: 19 Sep 2019 00:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	392568		
67	52.4	0.0	103.4	

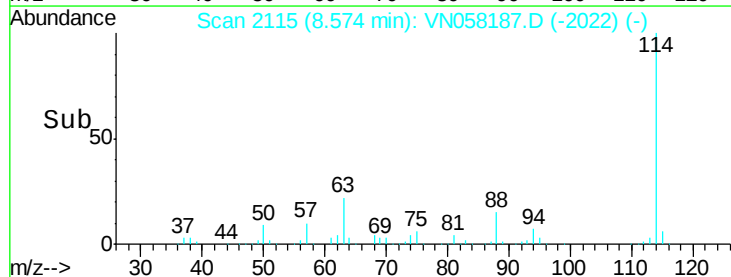
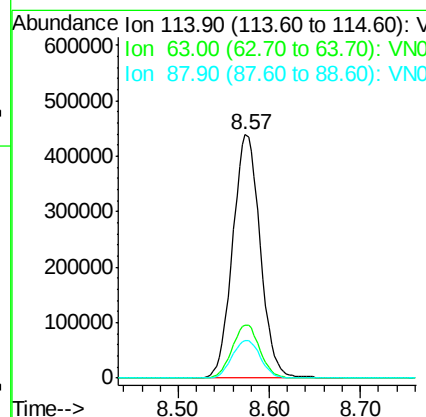
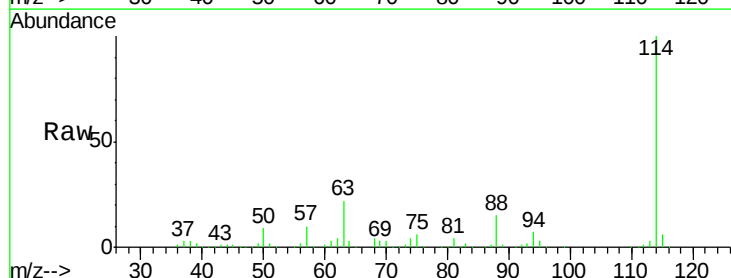
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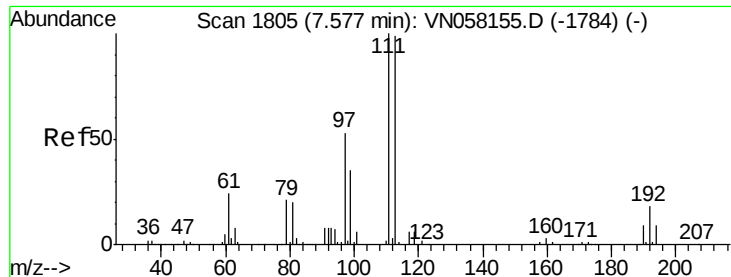
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058187.D
 Acq: 19 Sep 2019 00:36

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	921391		
63	21.9	0.0	44.2	
88	15.3	0.0	31.6	





#35

Dibromofluoromethane

Concen: 50.744 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN058187.D

Acq: 19 Sep 2019 00:36

Instrument :

MSVOA_N

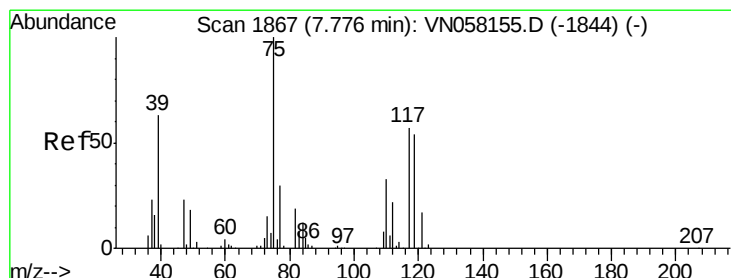
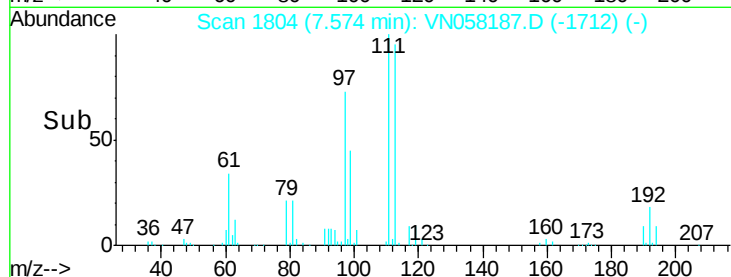
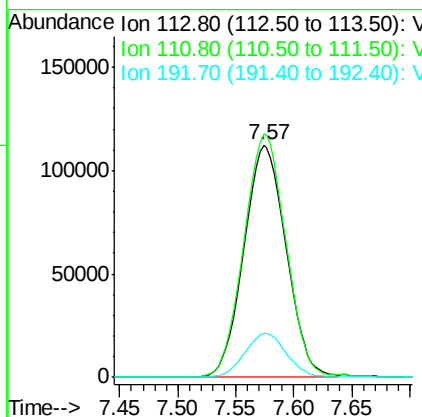
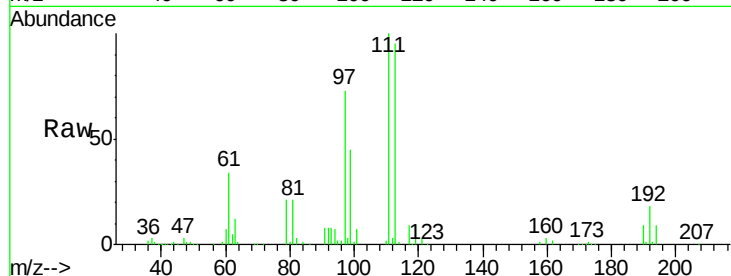
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	284233
Ion Ratio	Lower	Upper	
113	100		
111	105.1	81.8	122.6
192	18.9	14.5	21.7

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#36

1,1-Dichloropropene

Concen: 44.935 ug/l

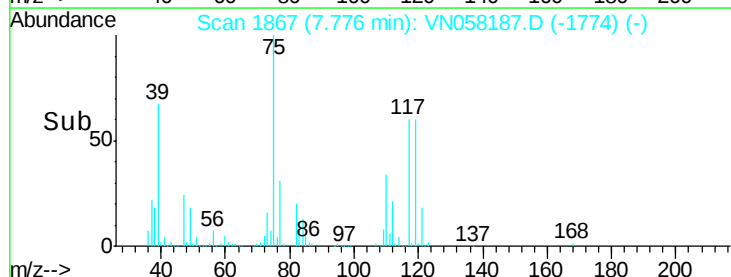
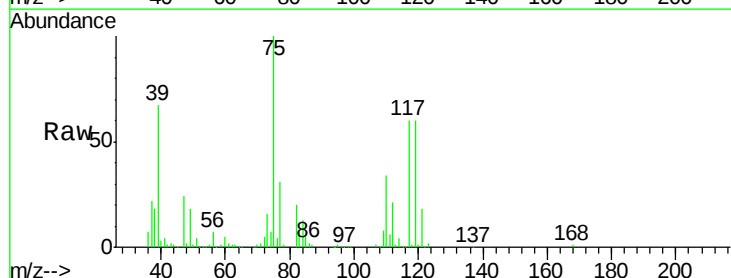
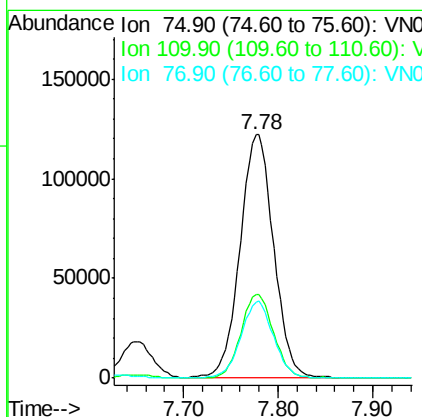
RT: 7.78 min Scan# 1867

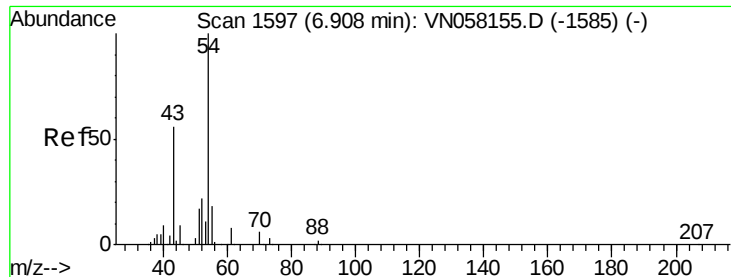
Delta R.T. -0.00 min

Lab File: VN058187.D

Acq: 19 Sep 2019 00:36

Tgt Ion:	75	Resp:	298572
Ion Ratio	Lower	Upper	
75	100		
110	33.6	16.6	49.7
77	31.1	24.3	36.5





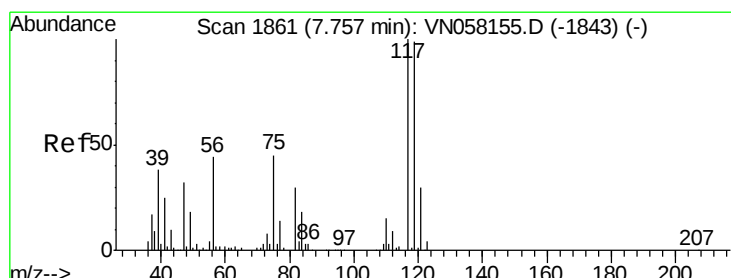
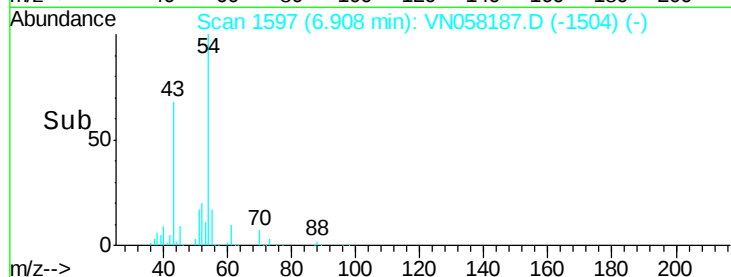
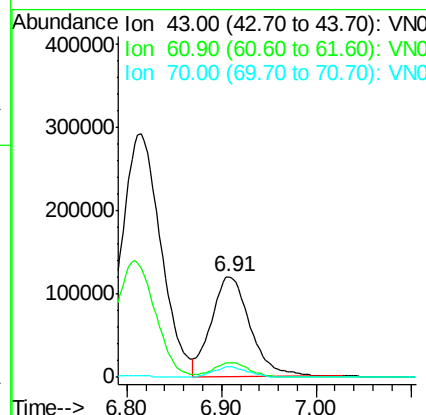
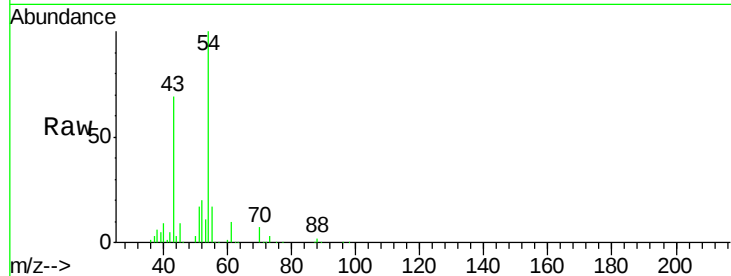
#37
Ethyl Acetate
Concen: 49.916 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN058187.D
Acq: 19 Sep 2019 00:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.7	16.1
70	9.2	7.6	11.4

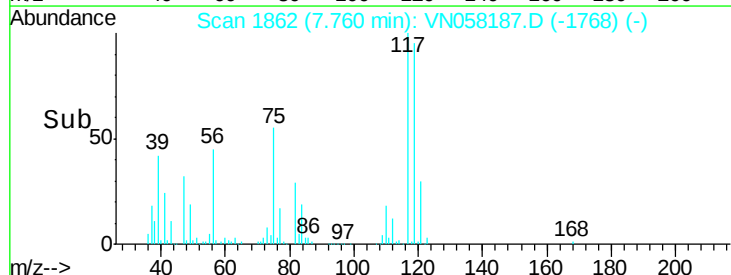
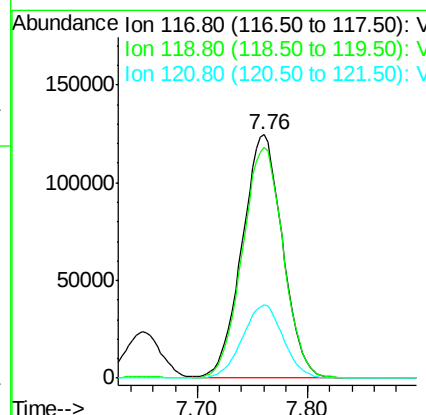
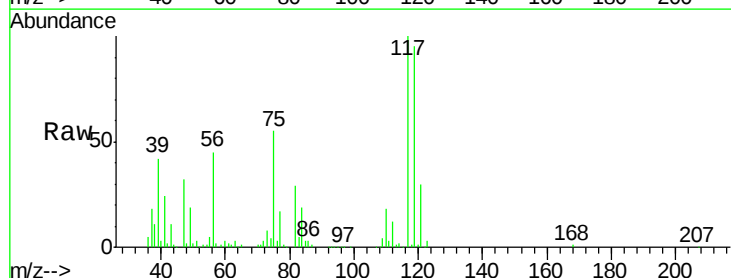
Manual Integrations
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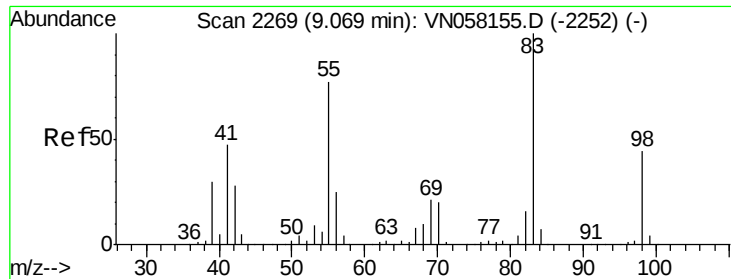
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#38
Carbon Tetrachloride
Concen: 47.119 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN058187.D
Acq: 19 Sep 2019 00:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	78.6	117.8
121	30.3	24.1	36.1





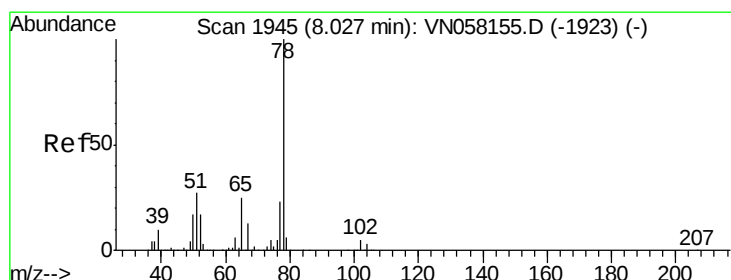
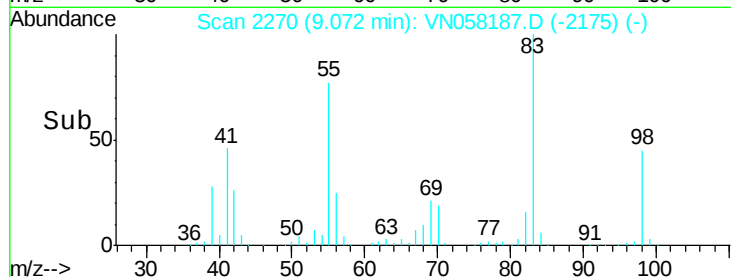
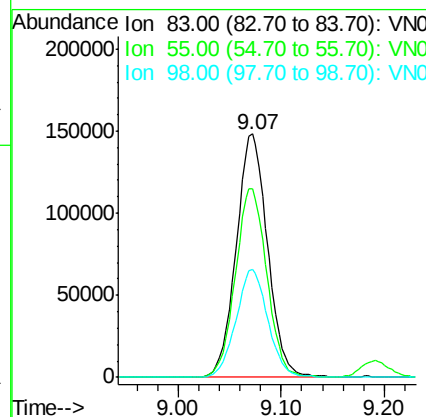
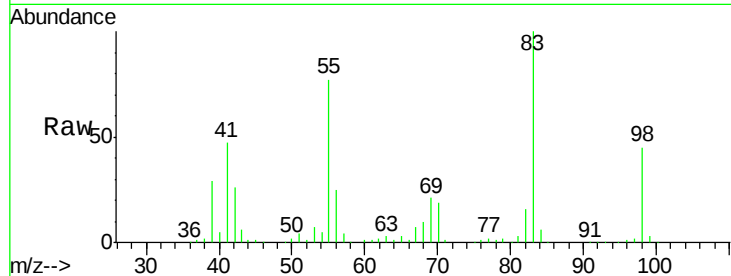
#39
Methvlcvclohexane
Concen: 48.856 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058187.D
Acq: 19 Sep 2019 00:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	77.3	61.9	92.9	
98	44.6	35.4	53.2	

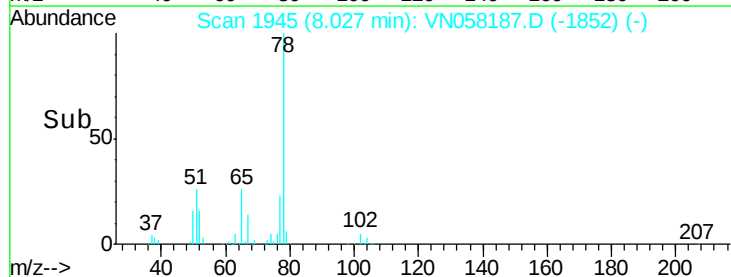
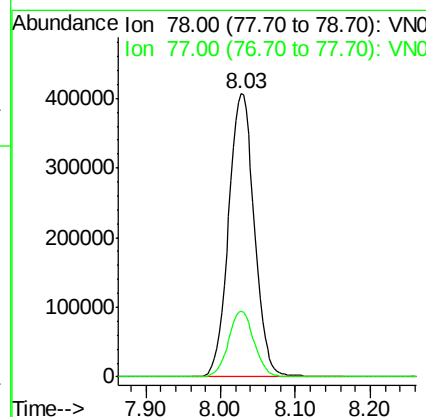
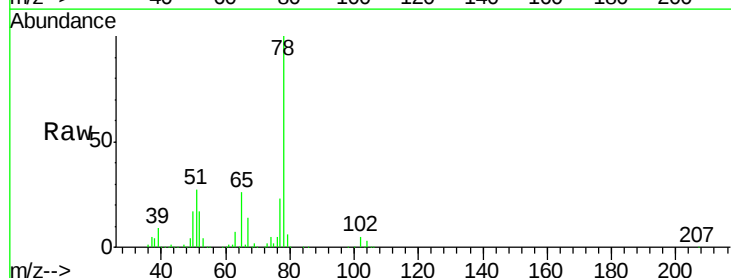
Manual Integrations
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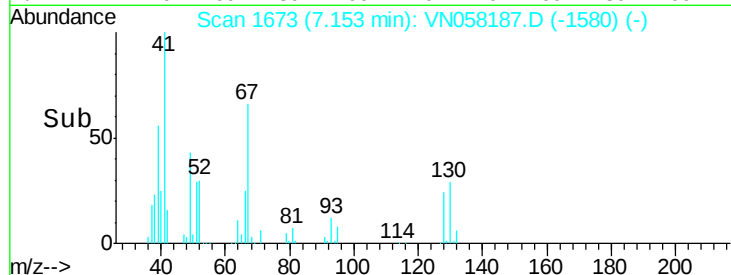
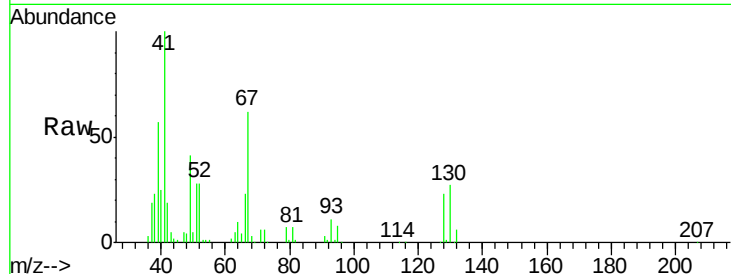
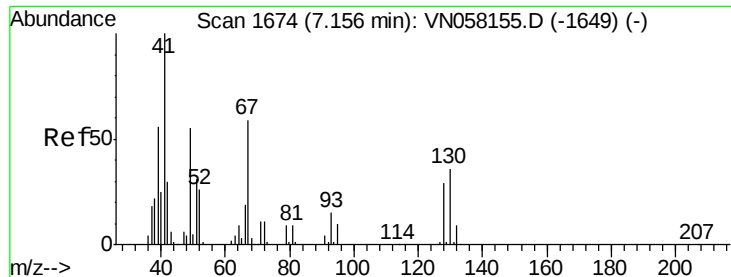
MMDadoda
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#40
Benzene
Concen: 47.682 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN058187.D
Acq: 19 Sep 2019 00:36

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.4	18.8	28.2	





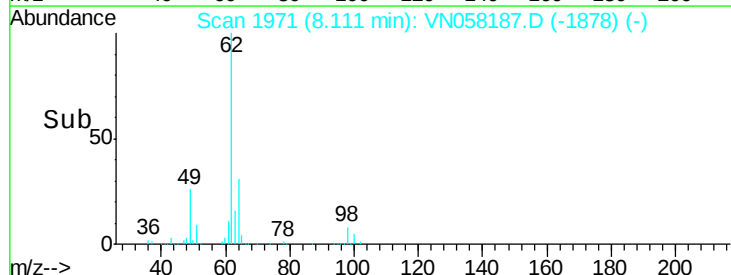
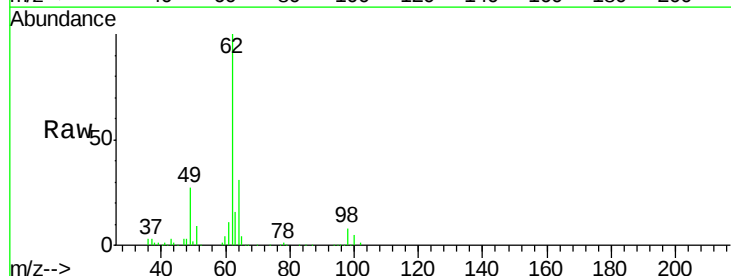
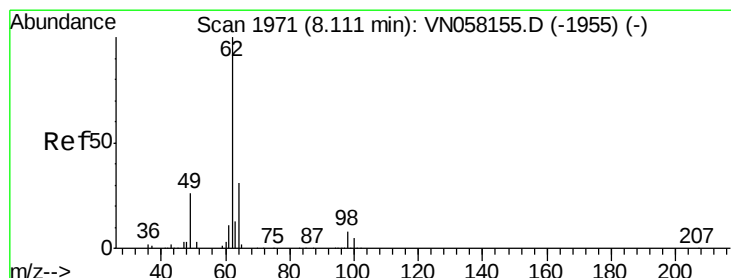
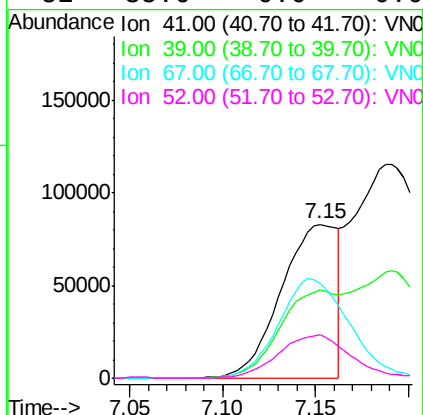
#41
Methacrylonitrile
Concen: 50.173 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. -0.00 min
Lab File: VN058187.D
Acq: 19 Sep 2019 00:36

Tot Ion	Ratio	Lower	Upper
41	100		
39	57.8	0.0	0.0#
67	82.5	0.0	0.0#
52	35.6	0.0	0.0#

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

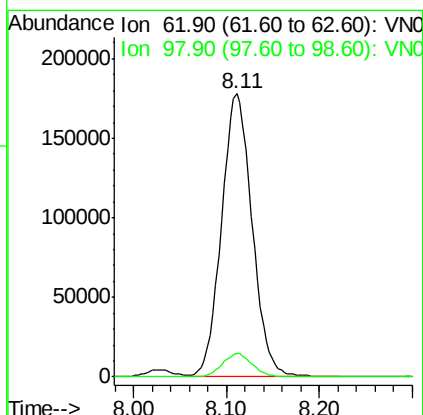
Manual Integrations
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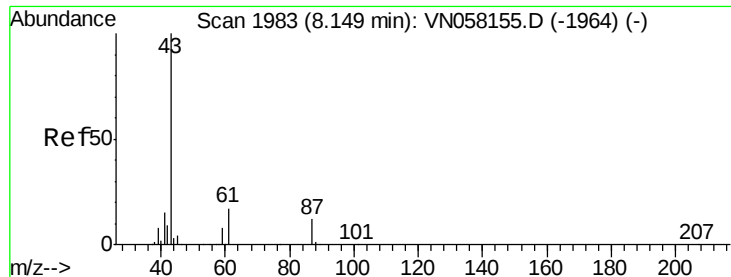
MMDadoda
9/20/2019 1:44:26 PM



#42
1,2-Dichloroethane
Concen: 47.653 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN058187.D
Acq: 19 Sep 2019 00:36

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	15.6





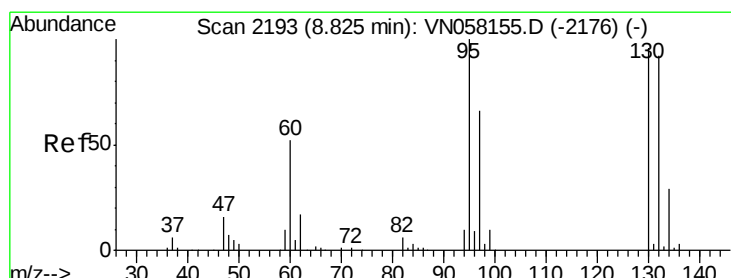
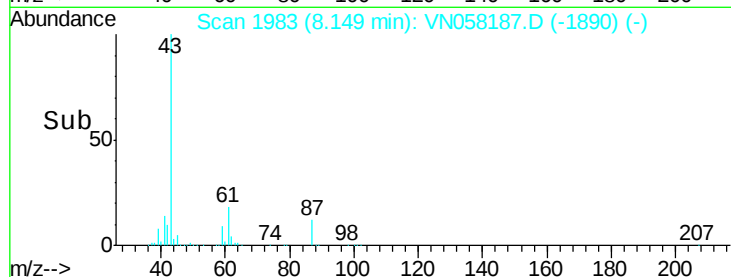
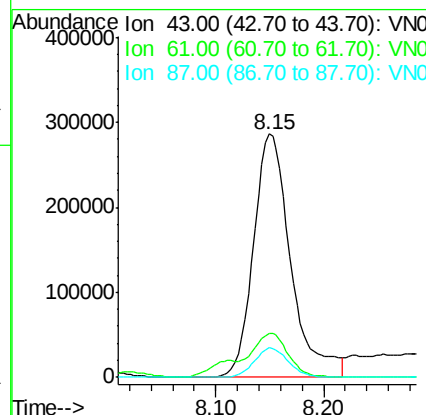
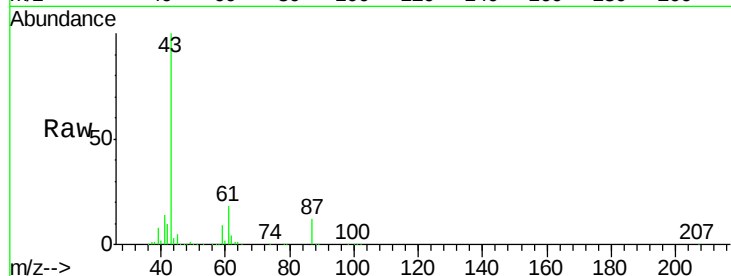
#43
Isopropyl Acetate
Concen: 53.003 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VN058187.D
Acq: 19 Sep 2019 00:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.8	19.7	29.5#
87	11.0	9.4	14.2

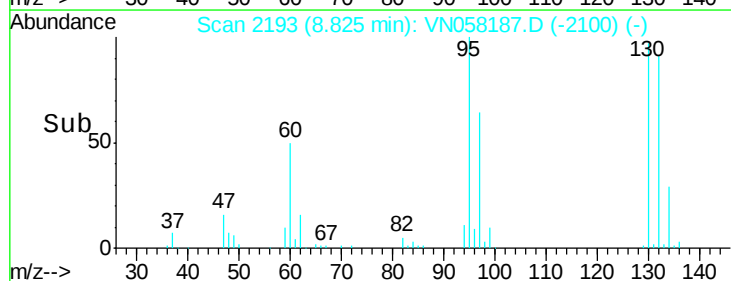
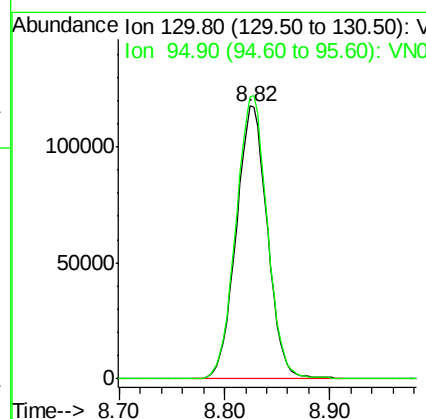
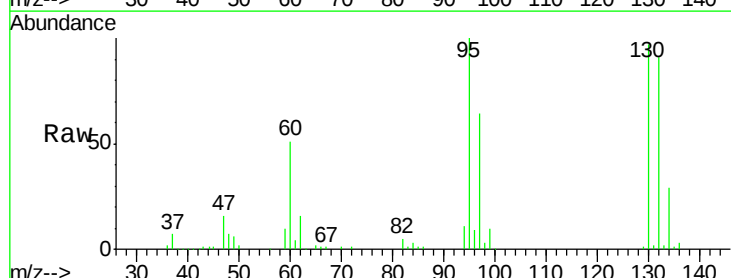
Manual Integrations
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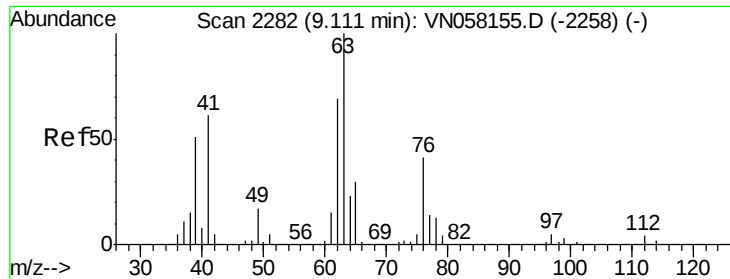
MMDadoda
9/20/2019 1:44:26 PM



#44
Trichloroethene
Concen: 48.461 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VN058187.D
Acq: 19 Sep 2019 00:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.6	0.0	207.8





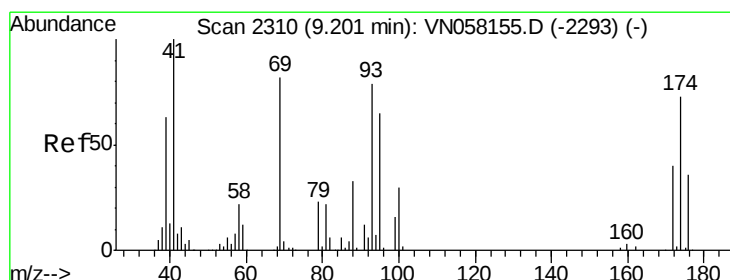
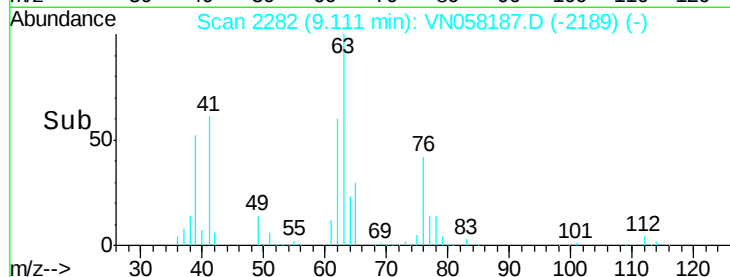
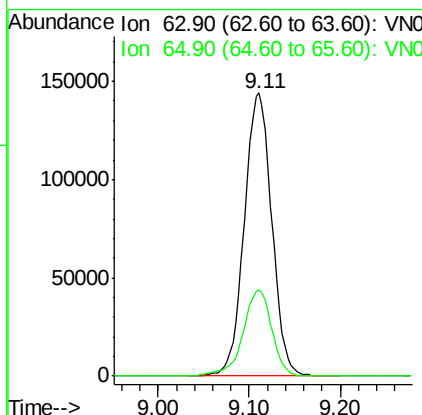
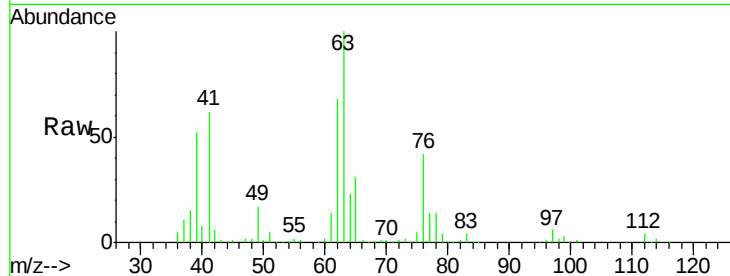
#45
 1,2-Dichloropropane
 Concen: 49.899 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN058187.D
 Acq: 19 Sep 2019 00:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 302427
 Ion Ratio Lower Upper
 63 100
 65 30.6 23.8 35.6

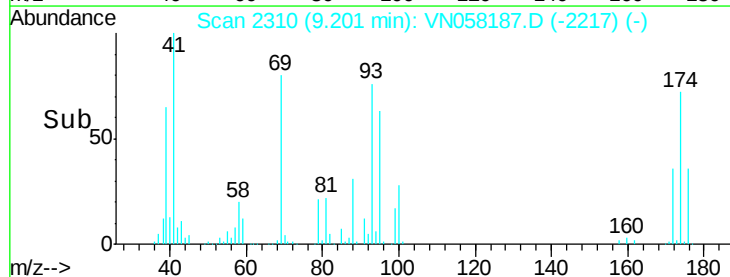
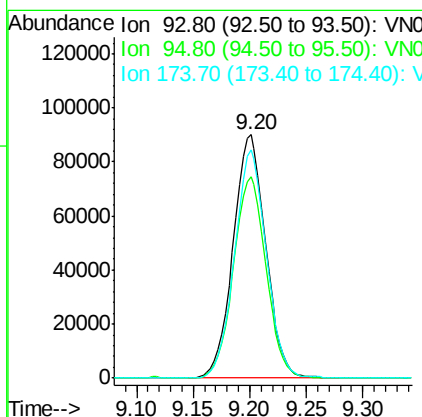
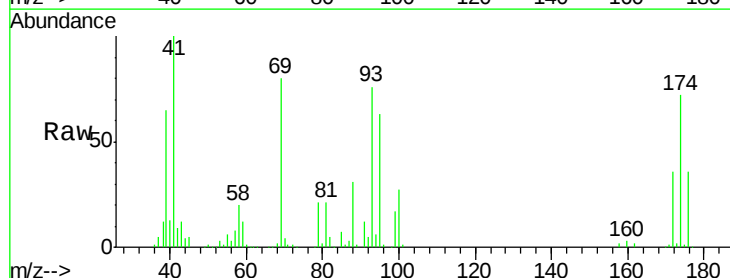
Manual Integrations
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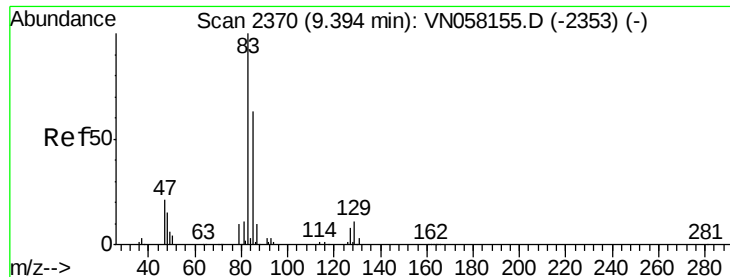
MMDadoda
 9/20/2019 1:44:26 PM



#46
 Dibromomethane
 Concen: 48.934 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN058187.D
 Acq: 19 Sep 2019 00:36

Tgt Ion: 93 Resp: 180317
 Ion Ratio Lower Upper
 93 100
 95 83.1 66.8 100.2
 174 91.8 73.8 110.8





#47

Bromodichloromethane

Concen: 50.059 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058187.D

Acq: 19 Sep 2019 00:36

Instrument :

MSVOA_N

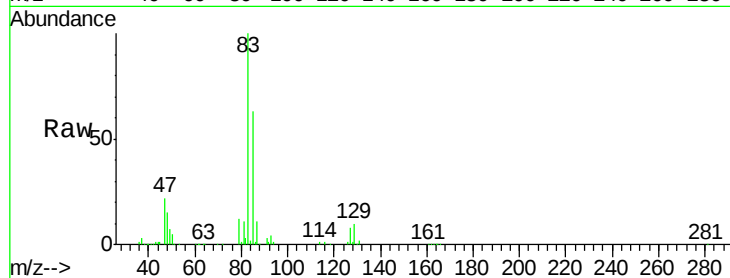
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	386437
Ion Ratio	Lower	Upper	
83	100		
85	63.5	50.1	75.1
127	7.9	6.4	9.6

Manual Integrations
APPROVED

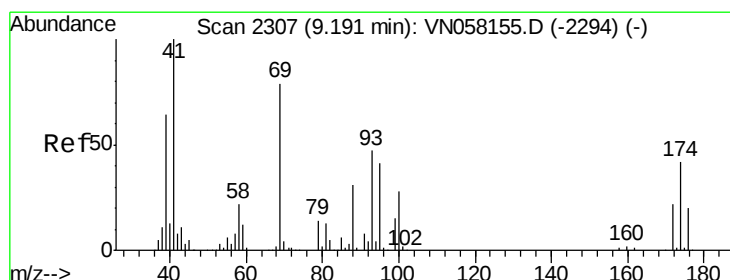
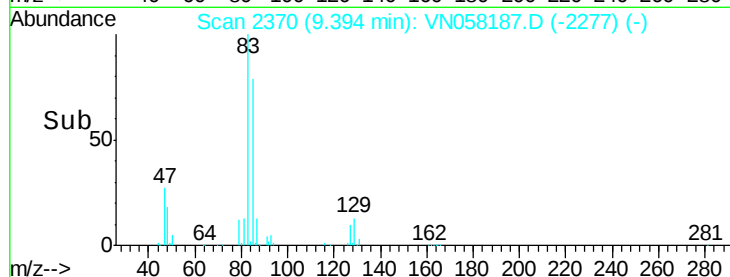
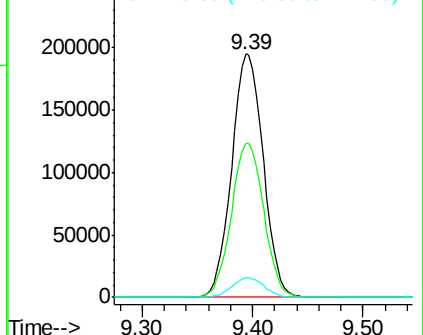
MMDadoda
9/20/2019 1:44:26 PM



Abundance Ion 82.90 (82.60 to 83.60): VN058187.D (-2277) (-)

Ion 84.90 (84.60 to 85.60): VN058187.D (-2277) (-)

Ion 126.80 (126.50 to 127.50): VN058187.D (-2277) (-)



#48

Methyl methacrylate

Concen: 51.301 ug/l

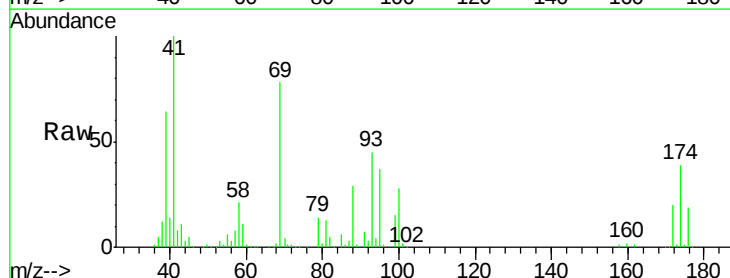
RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN058187.D

Acq: 19 Sep 2019 00:36

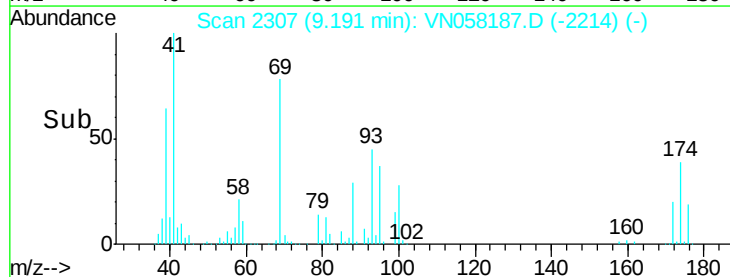
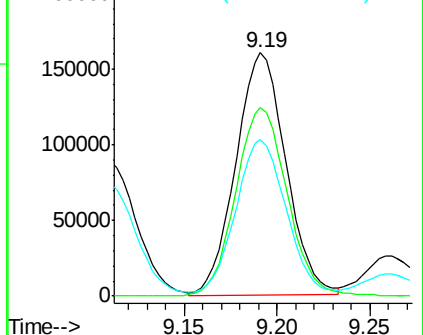
Tgt Ion:	41	Resp:	299970
Ion Ratio	Lower	Upper	
41	100		
69	80.2	62.5	93.7
39	65.4	52.3	78.5

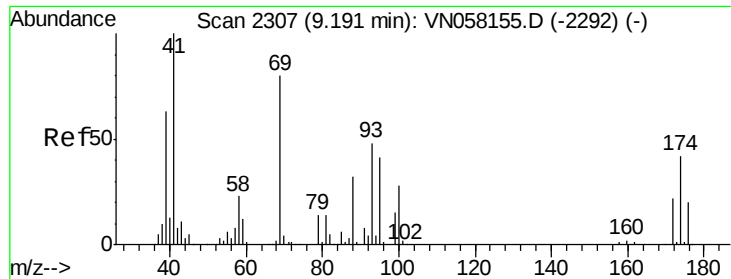


Abundance Ion 41.00 (40.70 to 41.70): VN058187.D (-2214) (-)

Ion 69.00 (68.70 to 69.70): VN058187.D (-2214) (-)

Ion 39.00 (38.70 to 39.70): VN058187.D (-2214) (-)





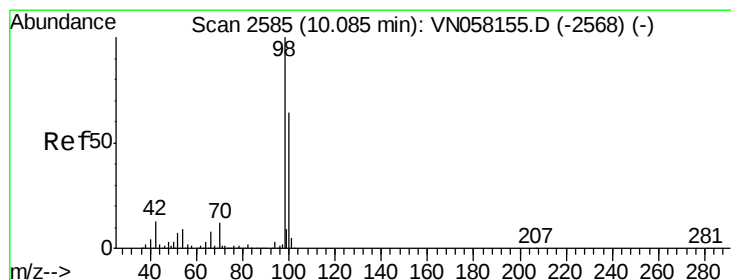
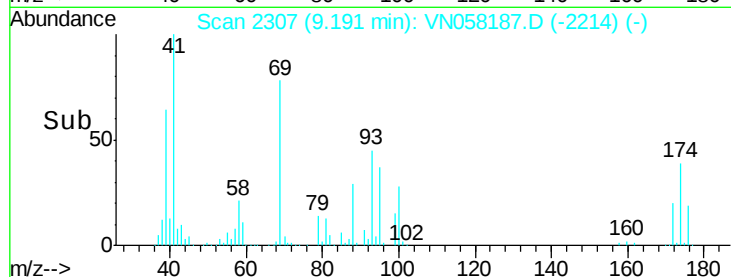
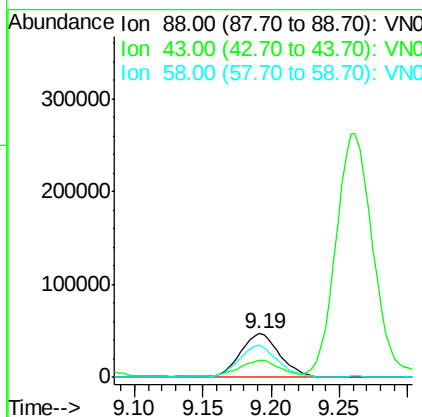
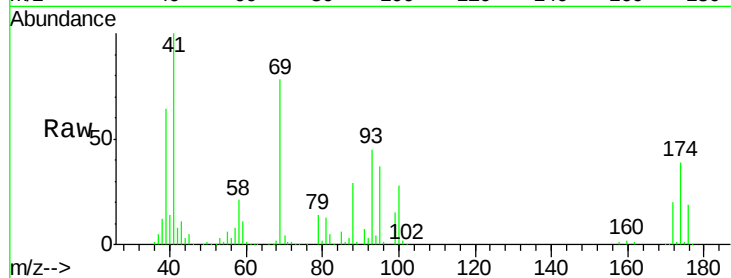
#49
1,4-Dioxane
Concen: 990.700 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN058187.D
Acq: 19 Sep 2019 00:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.4	27.8	41.8
58	71.8	55.0	82.4

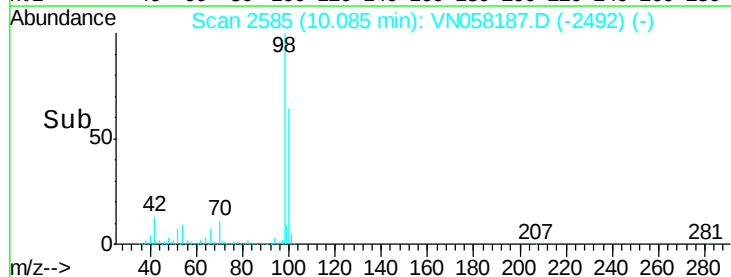
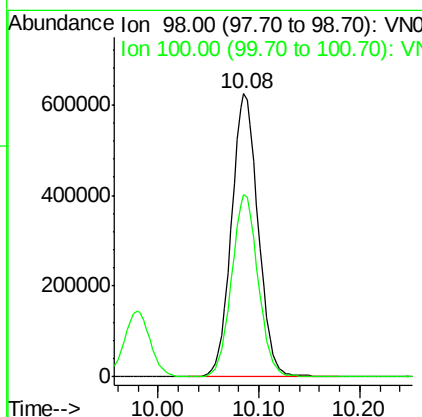
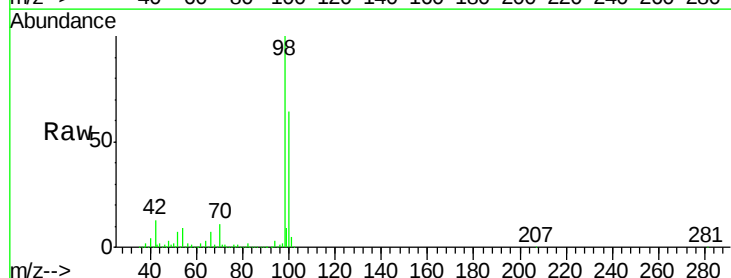
Manual Integrations
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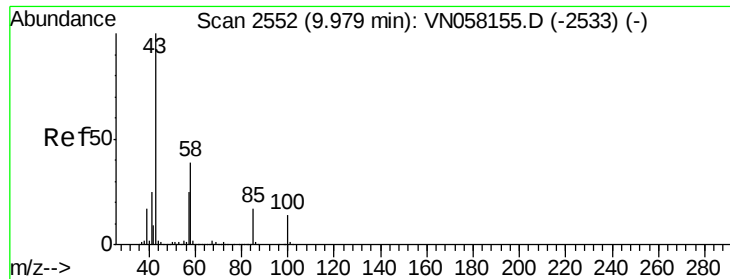
MMDadoda
9/20/2019 1:44:26 PM



#50
Toluene-d8
Concen: 52.492 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058187.D
Acq: 19 Sep 2019 00:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 280.373 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN058187.D

Acq: 19 Sep 2019 00:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1917863

Ion Ratio Lower Upper

43 100

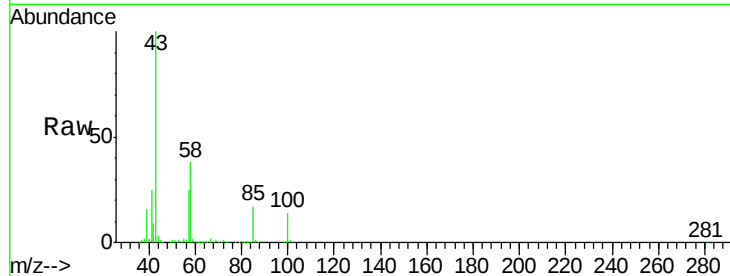
58 37.6 30.2 45.4

Manual Integrations

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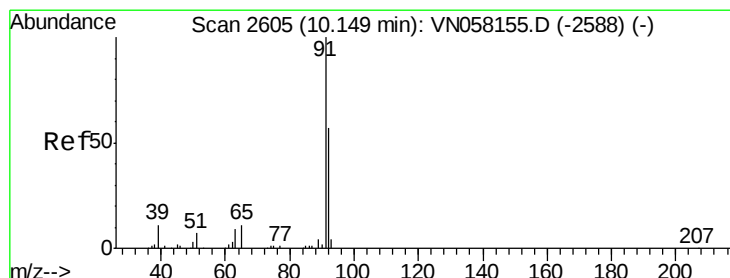
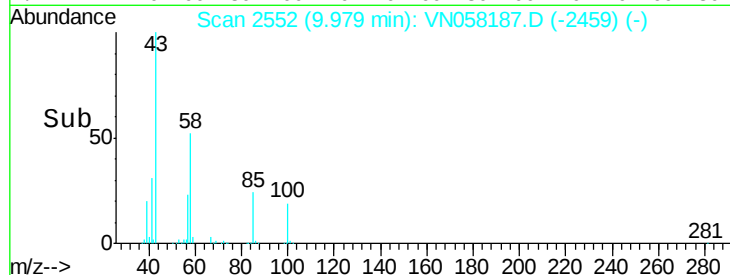
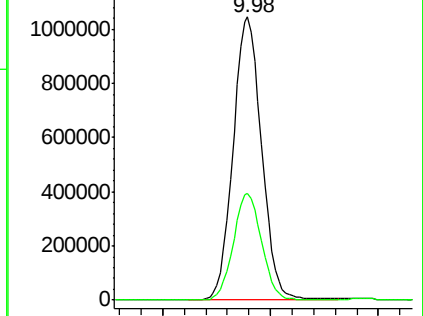
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 49.079 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058187.D

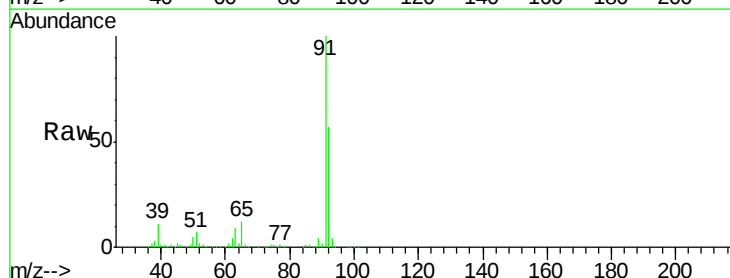
Acq: 19 Sep 2019 00:36

Tgt Ion: 92 Resp: 624232

Ion Ratio Lower Upper

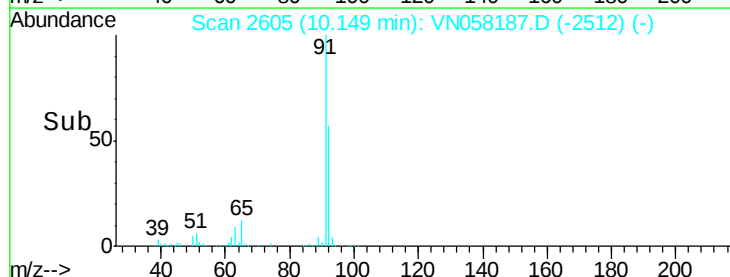
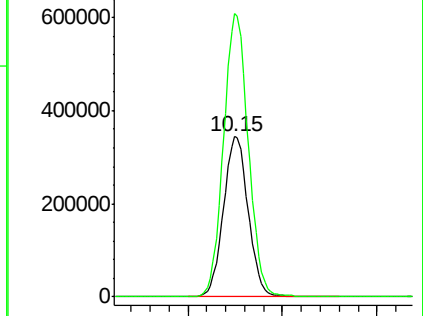
92 100

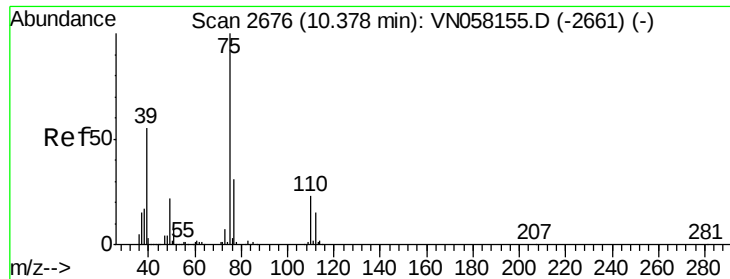
91 177.6 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





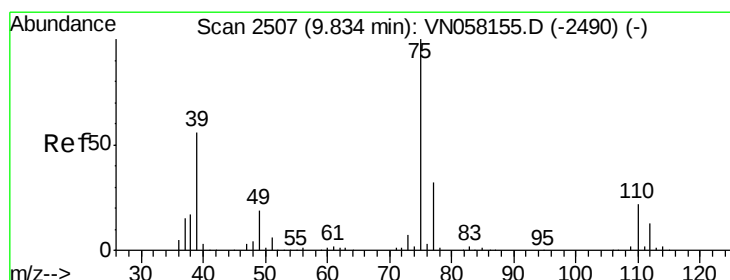
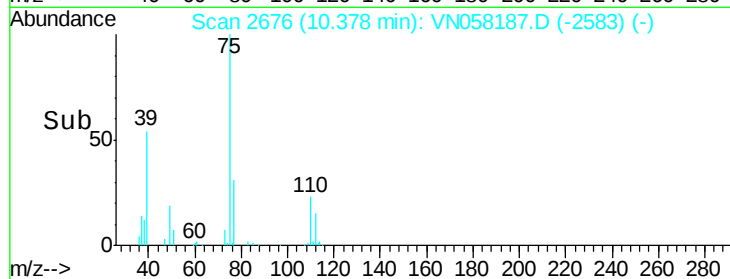
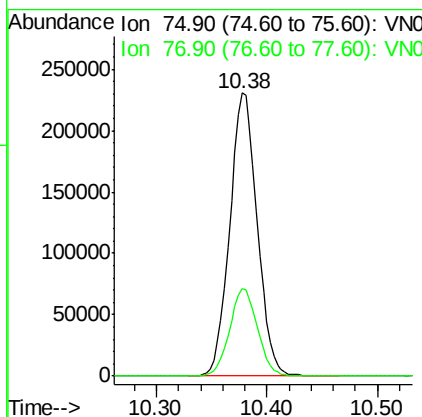
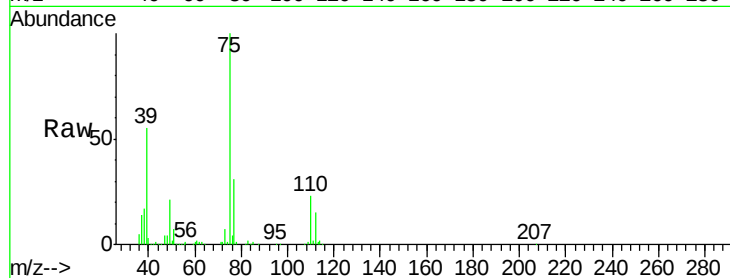
#53
 t-1,3-Dichloropropene
 Concen: 50.402 ug/l
 RT: 10.38 min Scan# 2676
 Delta R.T. -0.00 min
 Lab File: VN058187.D
 Acq: 19 Sep 2019 00:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 398561
 Ion Ratio Lower Upper
 75 100
 77 30.8 24.9 37.3

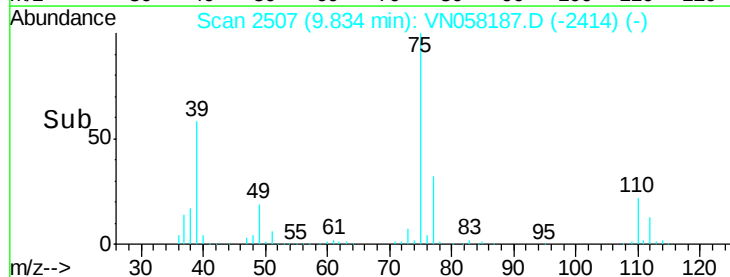
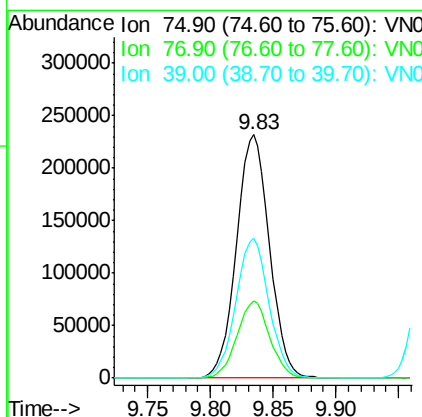
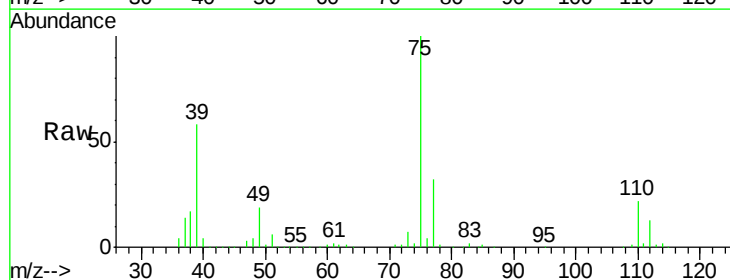
Manual Integrations
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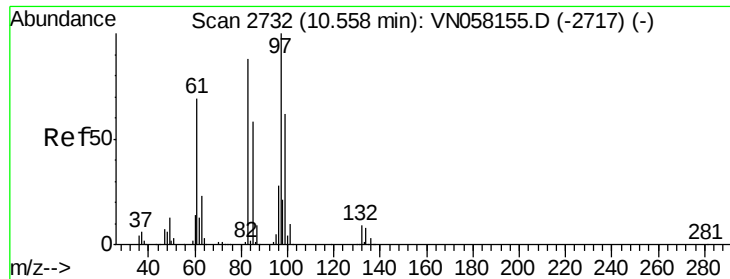
MMDadoda
 9/20/2019 1:44:26 PM



#54
 cis-1,3-Dichloropropene
 Concen: 48.630 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. -0.00 min
 Lab File: VN058187.D
 Acq: 19 Sep 2019 00:36

Tgt Ion: 75 Resp: 424568
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.4 38.0
 39 57.4 45.0 67.6





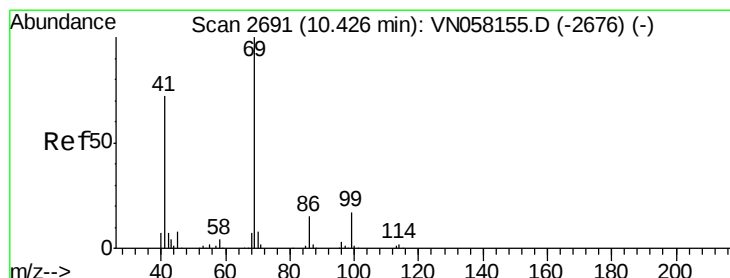
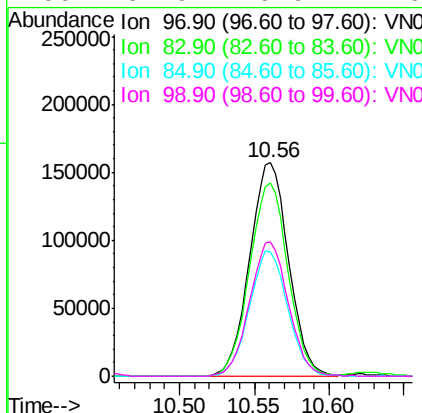
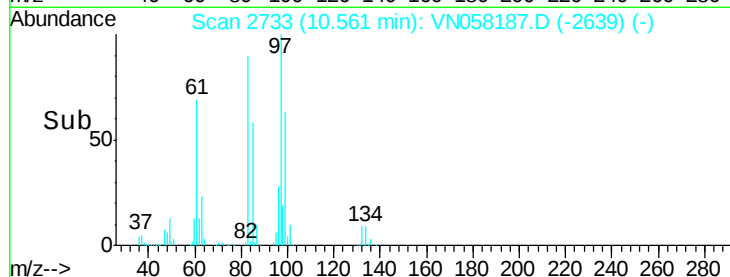
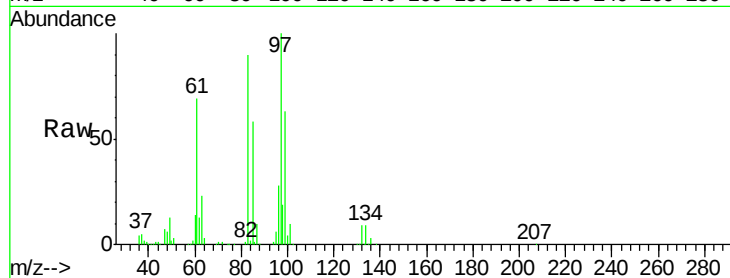
#55
 1,1,2-Trichloroethane
 Concen: 50.280 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058187.D
 Acq: 19 Sep 2019 00:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		283800		
83	90.5	70.4	105.6		
85	58.3	46.8	70.2		
99	62.9	49.9	74.9		

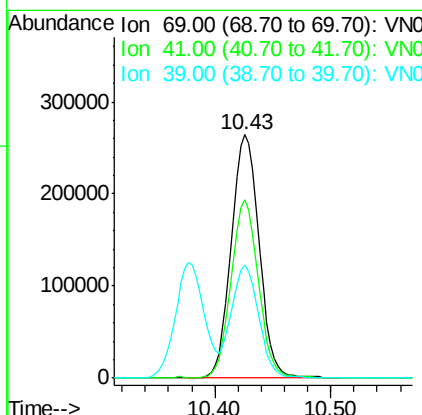
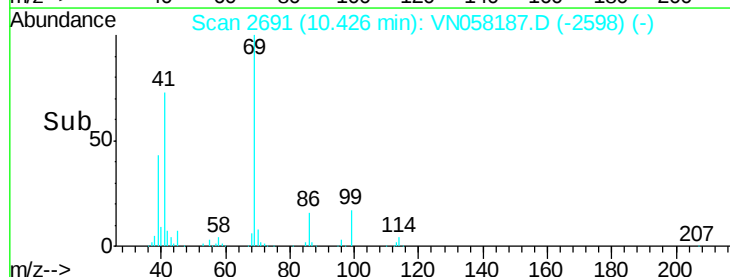
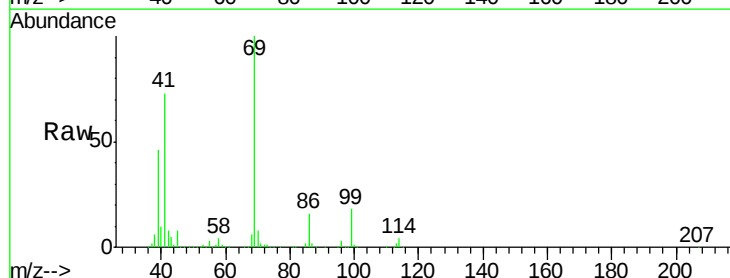
Manual Integrations
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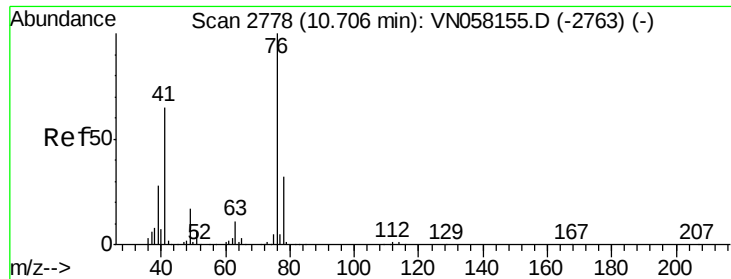
MMDadoda
 9/20/2019 1:44:26 PM



#56
 Ethyl methacrylate
 Concen: 53.825 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN058187.D
 Acq: 19 Sep 2019 00:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		438348		
41	70.5	57.5	86.3		
39	45.5	36.1	54.1		





#57

1,3-Dichloropropane

Concen: 49.445 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN058187.D

Acq: 19 Sep 2019 00:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 479785

Ion Ratio Lower Upper

76 100

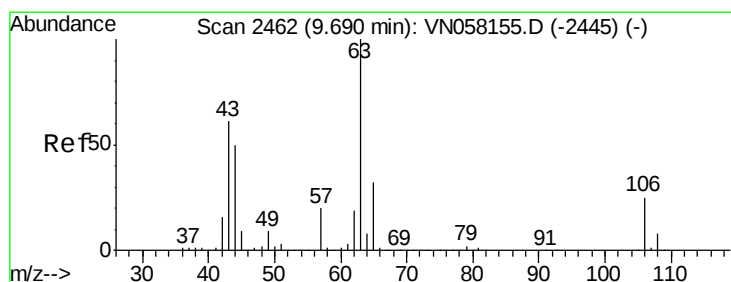
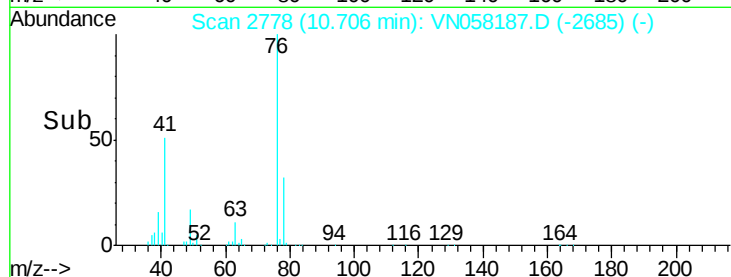
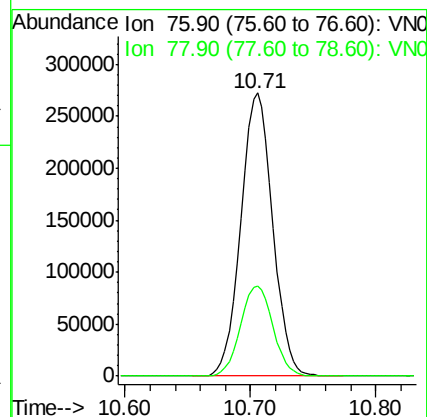
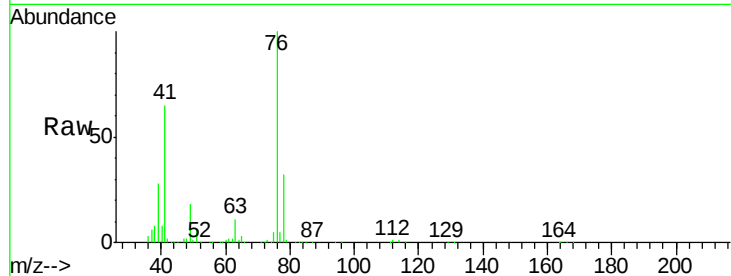
78 32.7 25.4 38.0

Manual Integrations

APPROVED

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9/20/2019 1:44:26 PM



#58

2-Chloroethyl Vinyl ether

Concen: 269.856 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VN058187.D

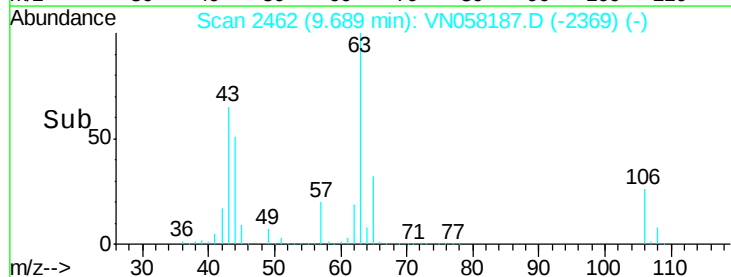
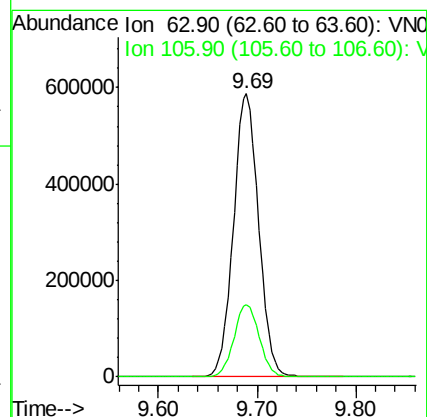
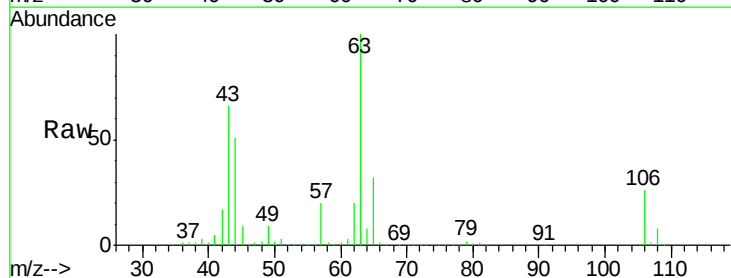
Acq: 19 Sep 2019 00:36

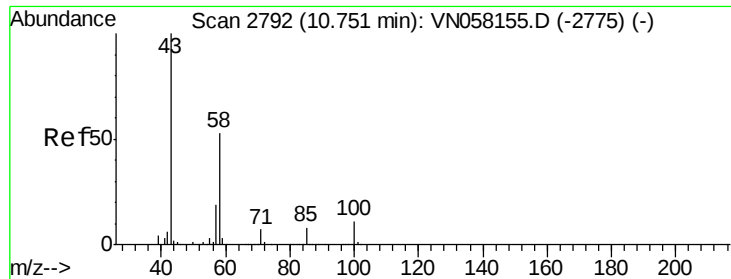
Tgt Ion: 63 Resp: 1046813

Ion Ratio Lower Upper

63 100

106 25.7 19.9 29.9





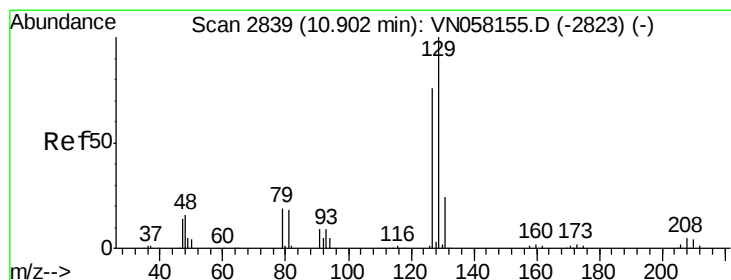
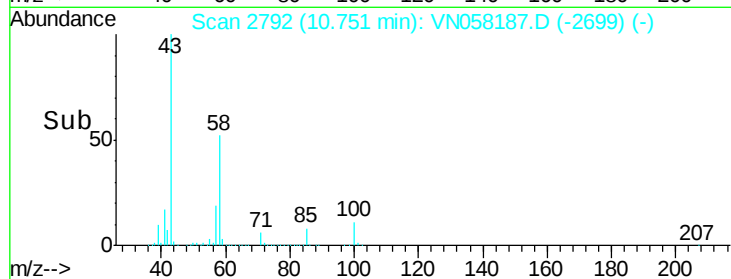
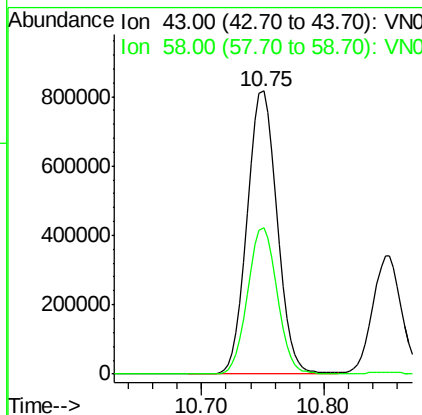
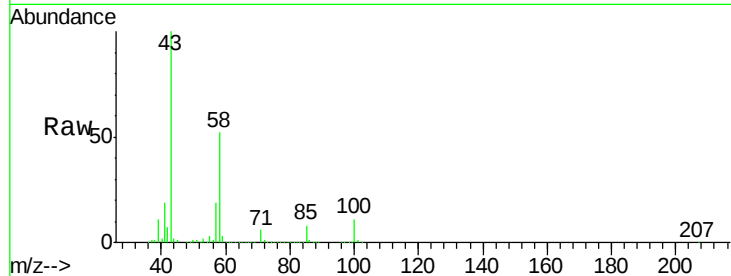
#59
2-Hexanone
Concen: 270.514 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058187.D
Acq: 19 Sep 2019 00:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1374290
Ion Ratio Lower Upper
43 100
58 51.4 26.0 78.0

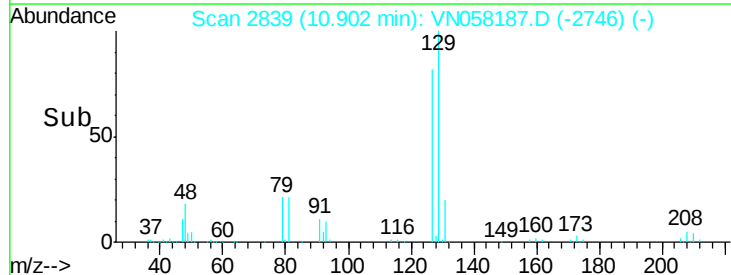
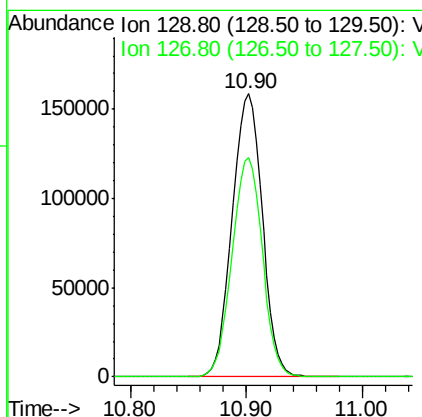
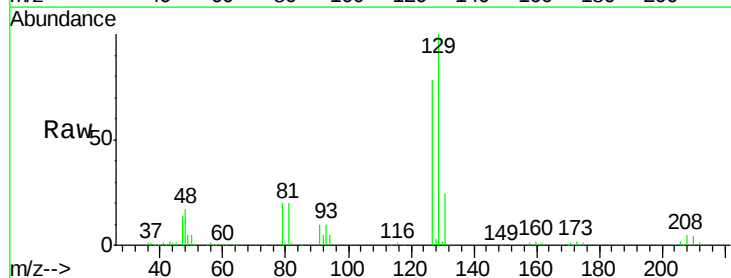
Manual Integrations
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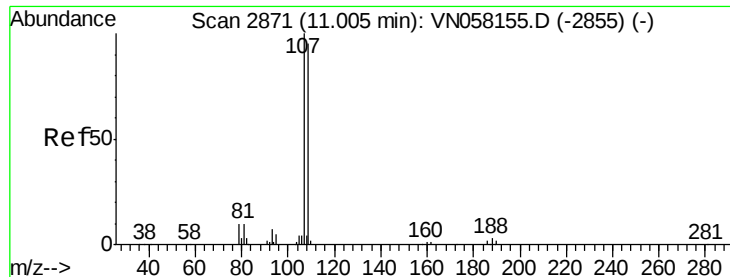
MMDadoda
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#60
Dibromochloromethane
Concen: 52.577 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN058187.D
Acq: 19 Sep 2019 00:36

Tgt Ion: 129 Resp: 285502
Ion Ratio Lower Upper
129 100
127 77.9 38.7 116.1





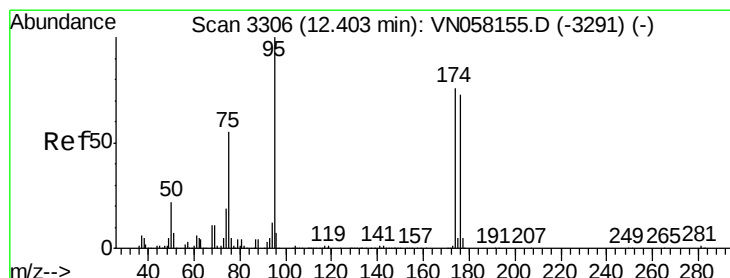
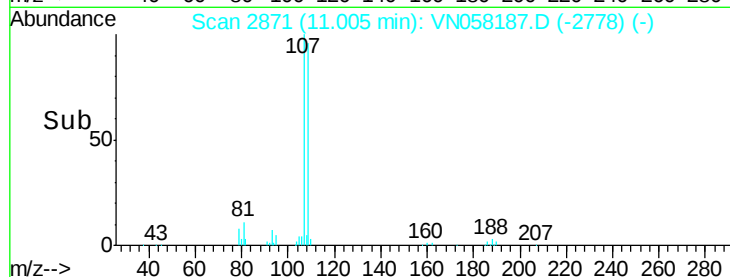
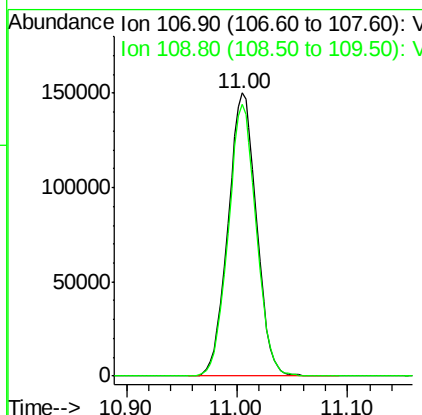
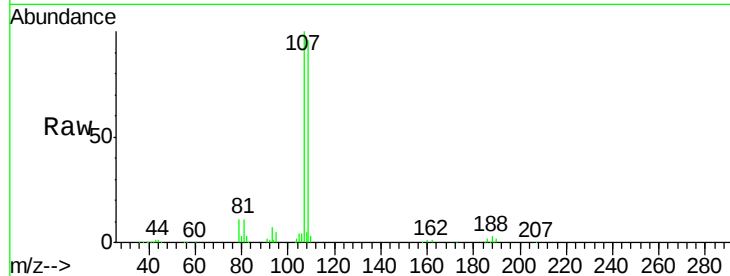
#61
 1,2-Dibromoethane
 Concen: 51.342 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN058187.D
 Acq: 19 Sep 2019 00:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.4	113.2

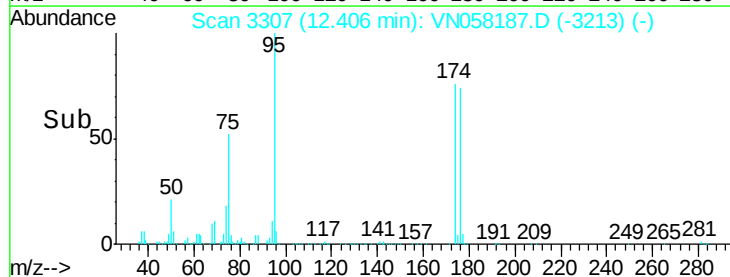
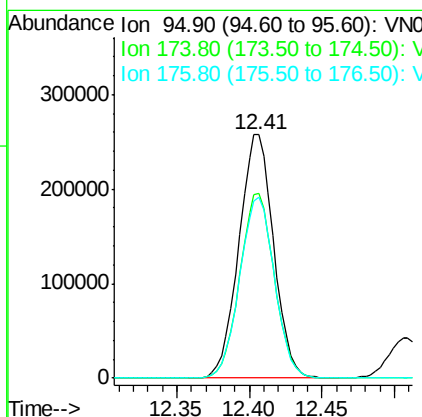
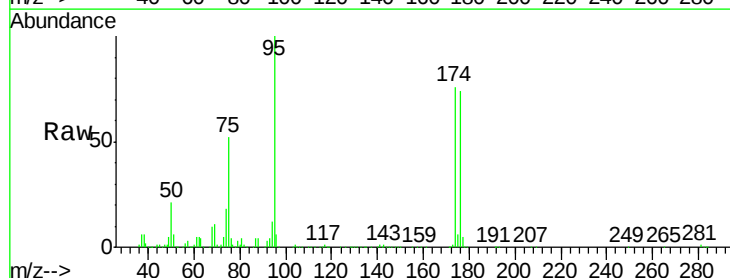
Manual Integrations
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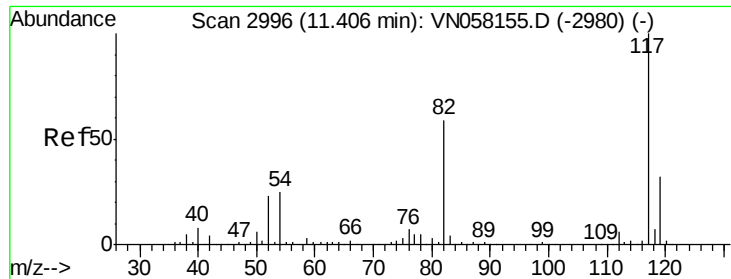
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#62
 4-Bromofluorobenzene
 Concen: 52.812 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058187.D
 Acq: 19 Sep 2019 00:36

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.5	0.0	152.2
176	74.5	0.0	148.0





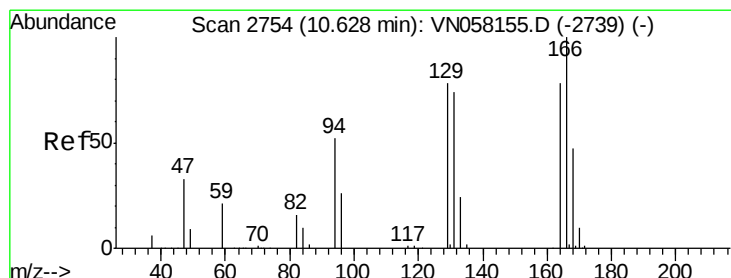
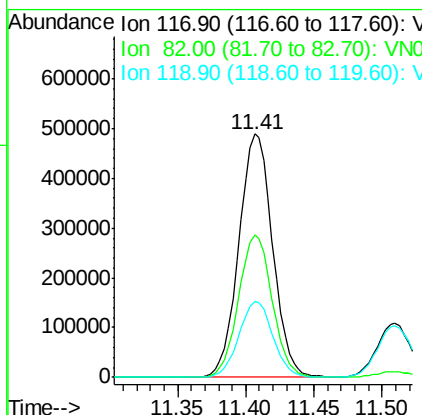
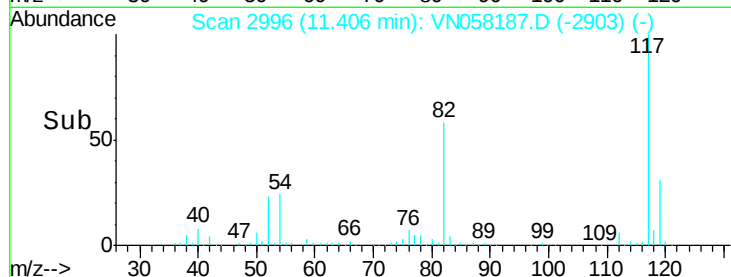
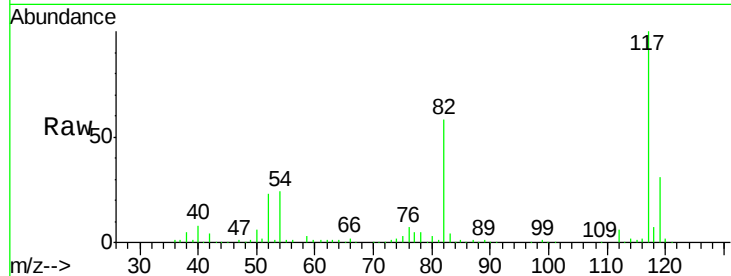
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058187.D
Acq: 19 Sep 2019 00:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.4	46.9	70.3
119	31.4	25.3	37.9

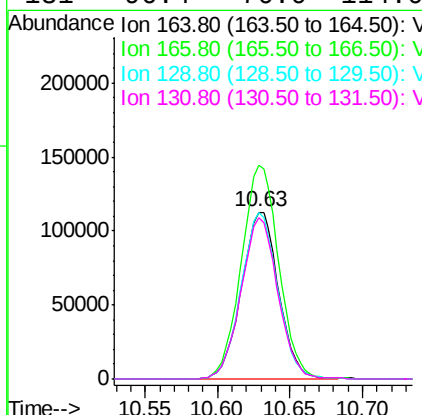
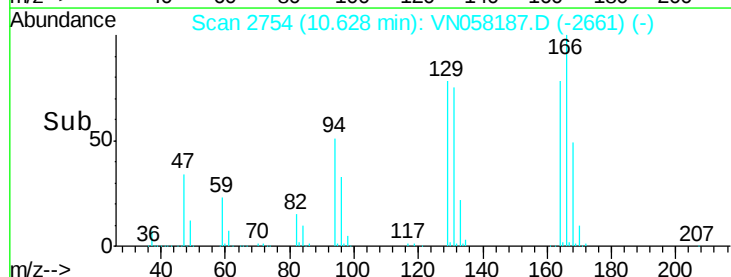
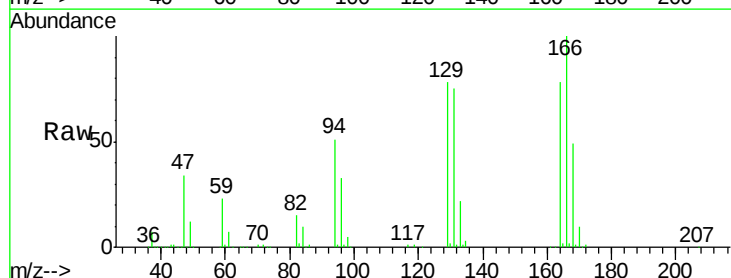
Manual Integrations
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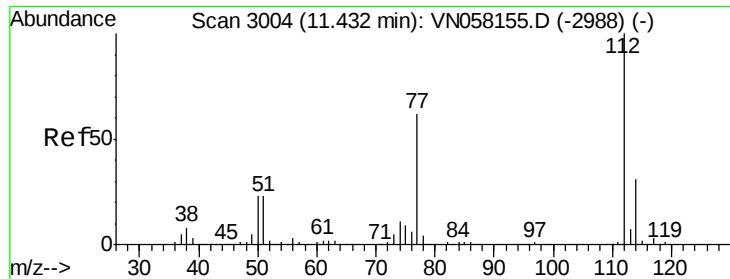
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#64
Tetrachloroethene
Concen: 48.856 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058187.D
Acq: 19 Sep 2019 00:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.1	102.2	153.4
129	99.9	79.6	119.4
131	96.4	76.0	114.0





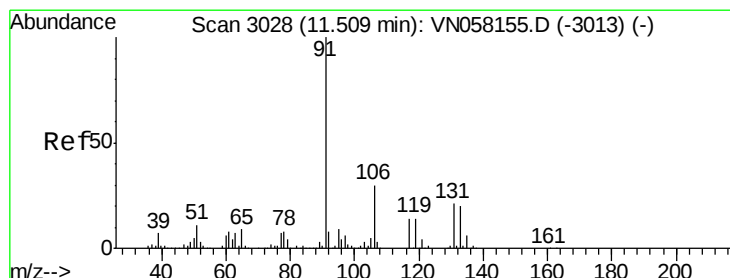
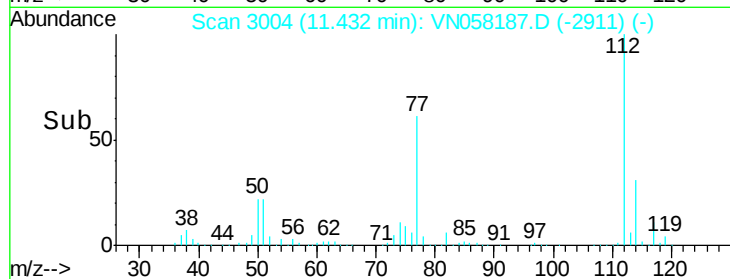
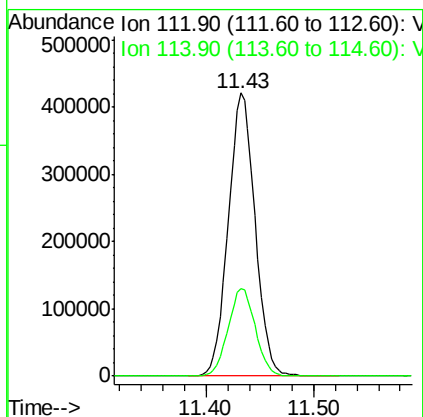
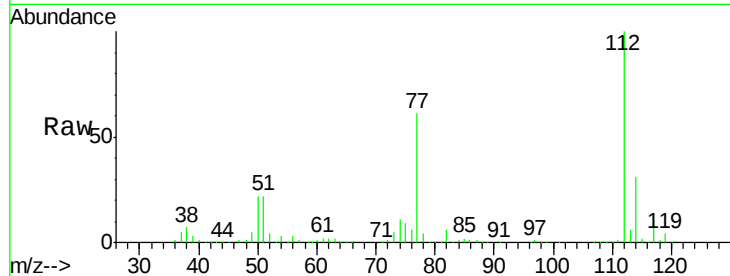
#65
Chlorobenzene
Concen: 49.202 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN058187.D
Acq: 19 Sep 2019 00:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 727573
Ion Ratio Lower Upper
112 100
114 31.1 25.1 37.7

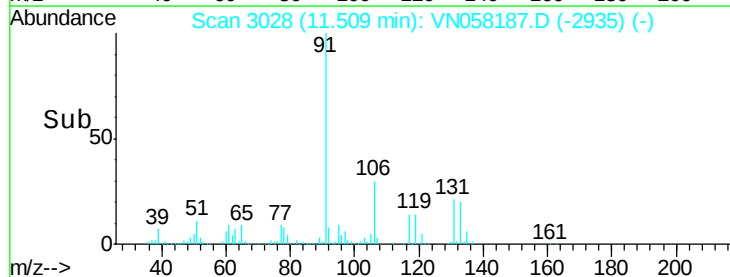
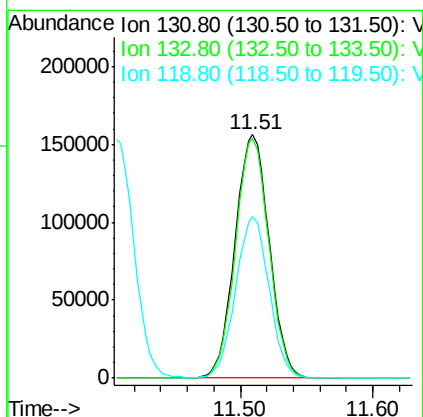
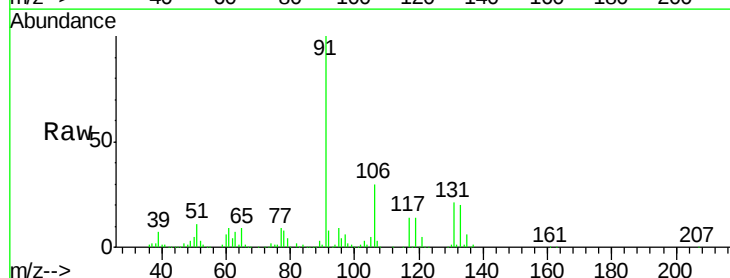
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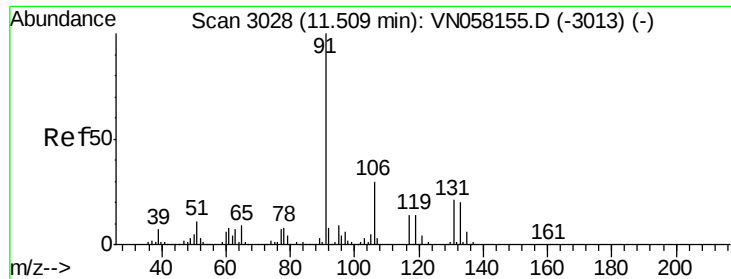
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.208 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN058187.D
Acq: 19 Sep 2019 00:36

Tgt Ion:131 Resp: 279936
Ion Ratio Lower Upper
131 100
133 96.1 47.8 143.3
119 64.9 33.1 99.3





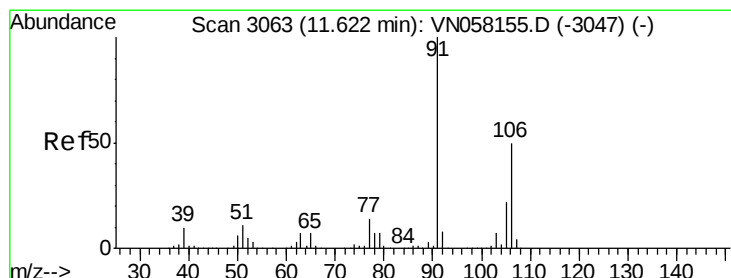
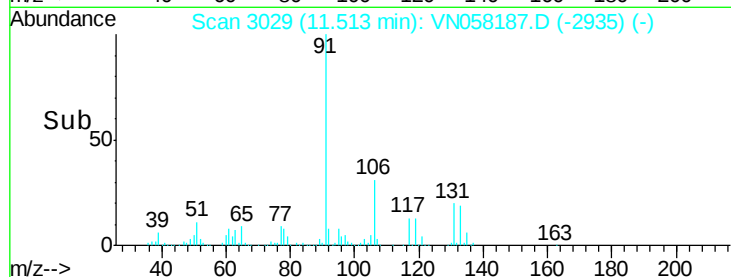
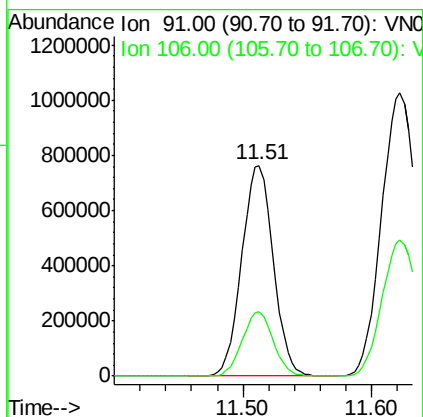
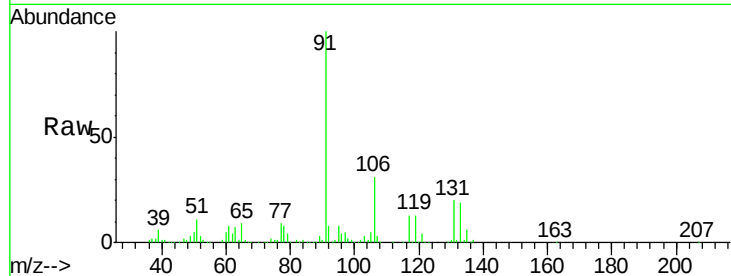
#67
Ethyl Benzene
Concen: 51.305 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058187.D
Acq: 19 Sep 2019 00:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1299960
Ion Ratio Lower Upper
91 100
106 30.6 24.0 36.0

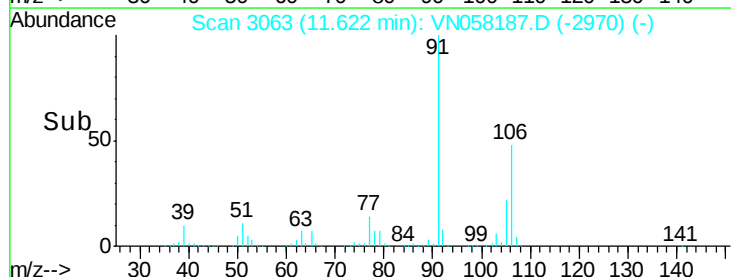
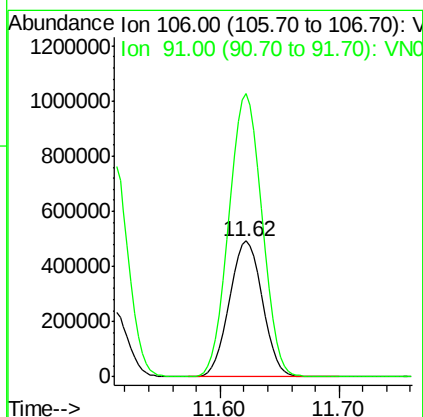
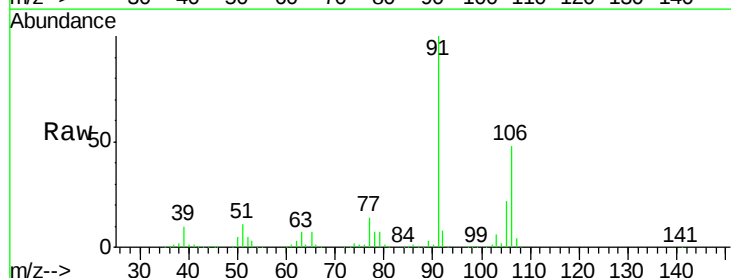
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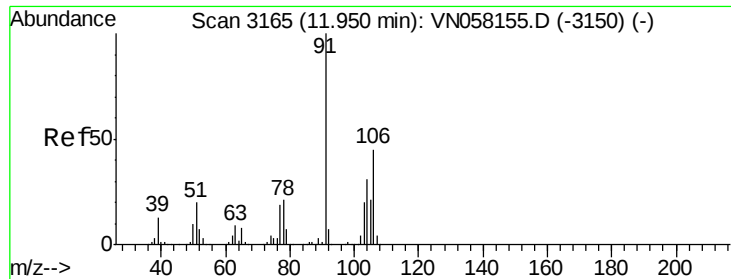
MMDadoda
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#68
m/p-Xylenes
Concen: 99.362 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058187.D
Acq: 19 Sep 2019 00:36

Tgt Ion: 106 Resp: 948219
Ion Ratio Lower Upper
106 100
91 208.7 163.6 245.4





#69

o-Xylene

Concen: 51.667 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. -0.00 min

Lab File: VN058187.D

Acq: 19 Sep 2019 00:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:106 Resp: 484818

Ion Ratio Lower Upper

106 100

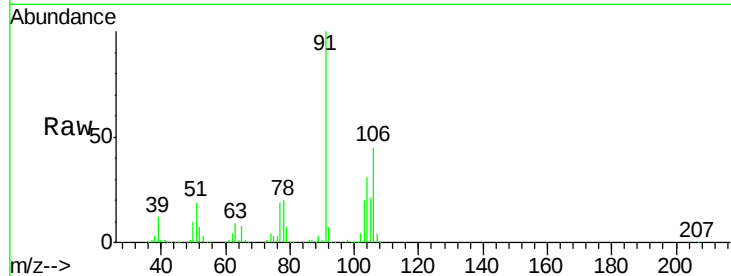
91 220.5 111.8 335.3

Manual Integrations

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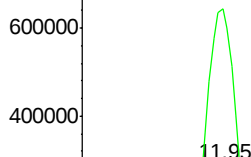
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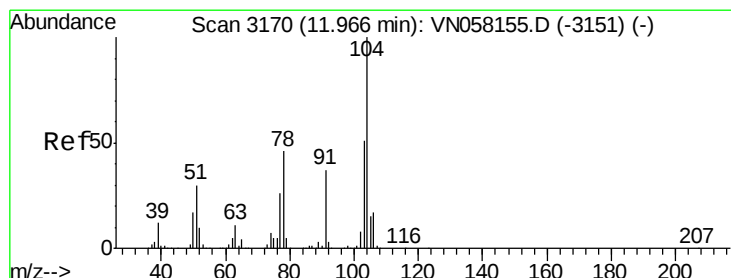
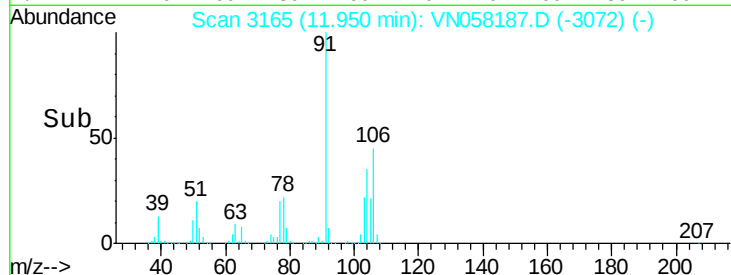


Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



Time--> 11.85 11.90 11.95 12.00



#70

Styrene

Concen: 52.954 ug/l

RT: 11.97 min Scan# 3170

Delta R.T. -0.00 min

Lab File: VN058187.D

Acq: 19 Sep 2019 00:36

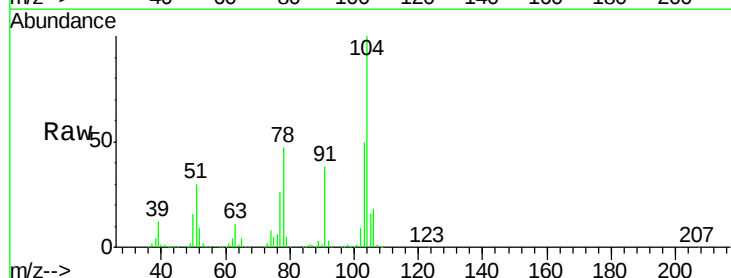
Tgt Ion:104 Resp: 856144

Ion Ratio Lower Upper

104 100

78 52.1 41.8 62.8

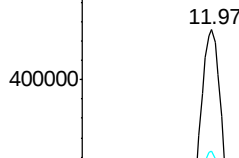
103 54.2 44.2 66.2



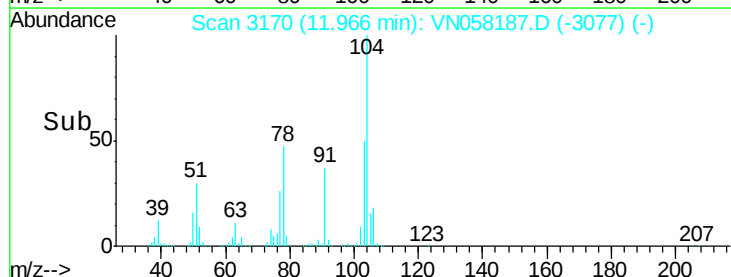
Abundance Ion 104.00 (103.70 to 104.70): V

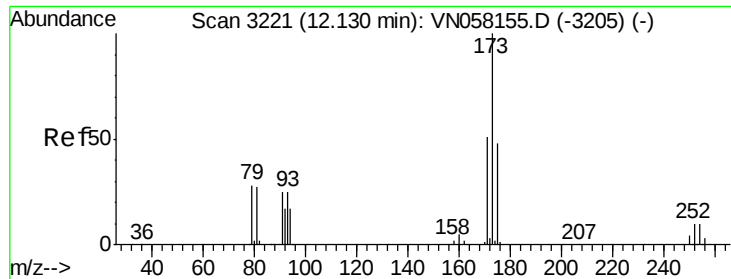
Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V



Time--> 11.90 12.00 12.10





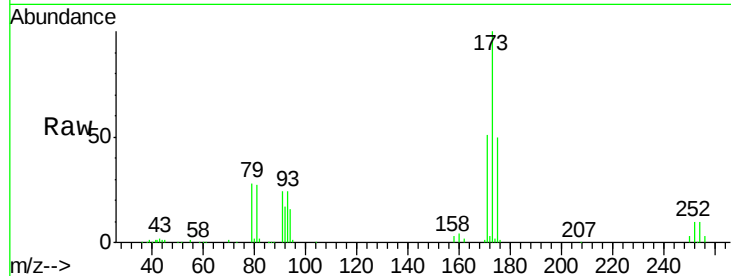
#71
Bromoform
Concen: 47.758 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058187.D
Acq: 19 Sep 2019 00:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

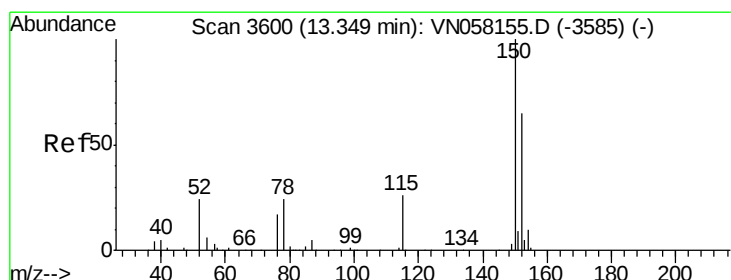
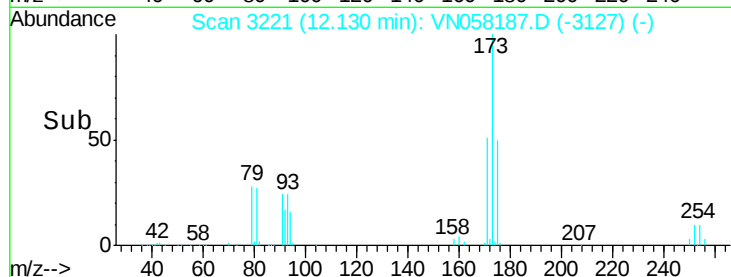
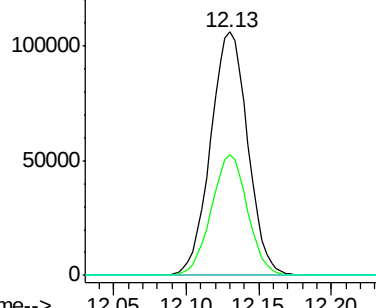
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.2	72.6
254	0.0	0.1	0.1#

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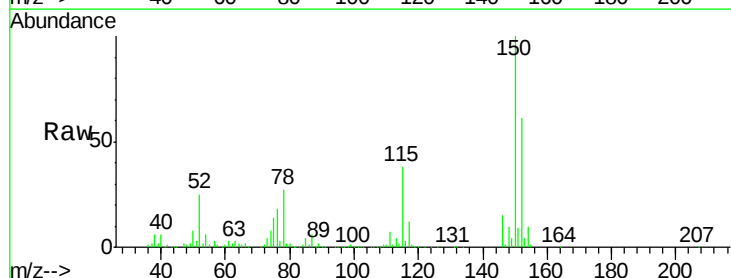


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

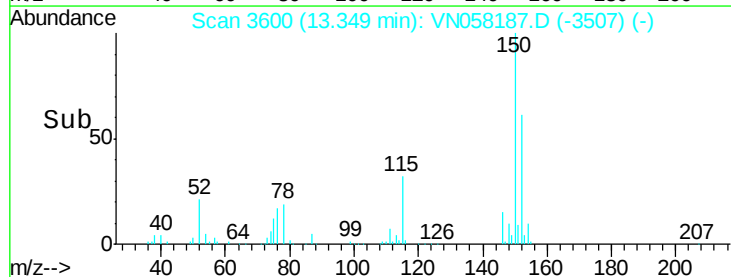
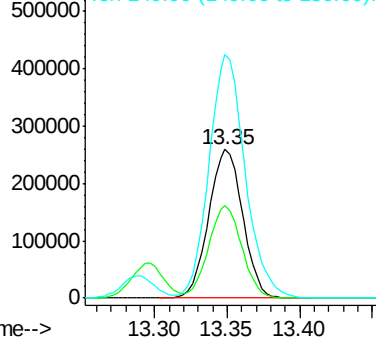


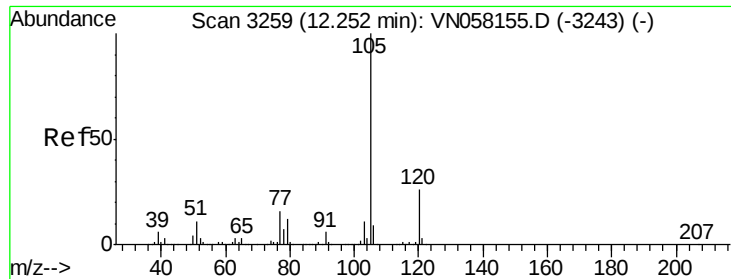
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN058187.D
Acq: 19 Sep 2019 00:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.7	30.1	90.3
150	173.9	0.0	346.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.262 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058187.D

Acq: 19 Sep 2019 00:36

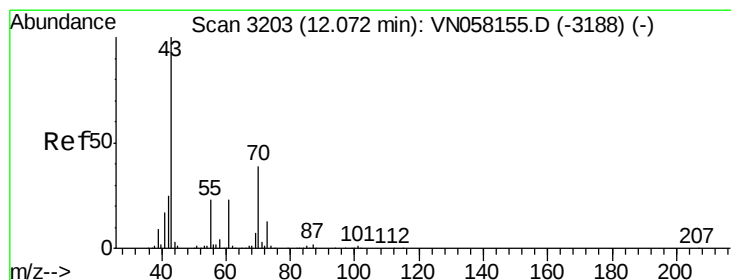
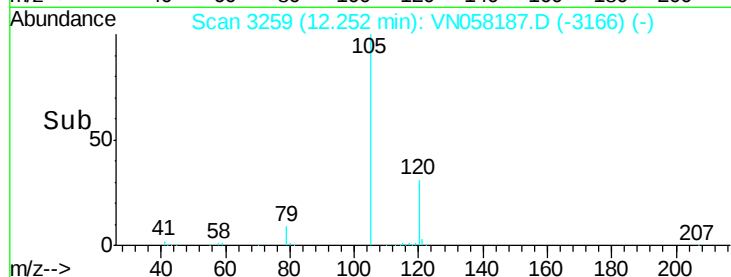
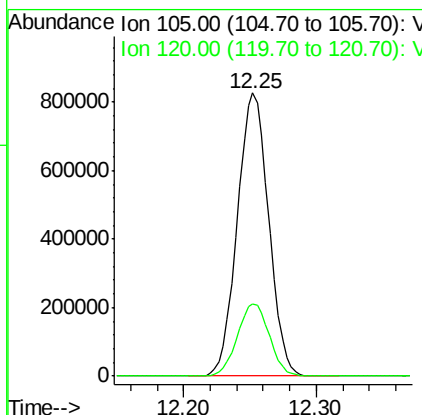
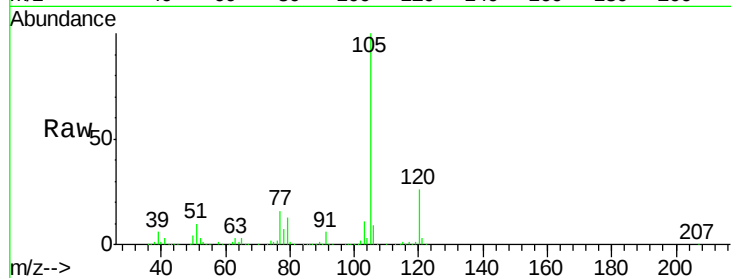
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:105 Resp: 1356543

Ion	Ratio	Lower	Upper
105	100		
120	25.9	12.8	38.3

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#74

N-ethyl acetate

Concen: 54.090 ug/l

RT: 12.07 min Scan# 3203

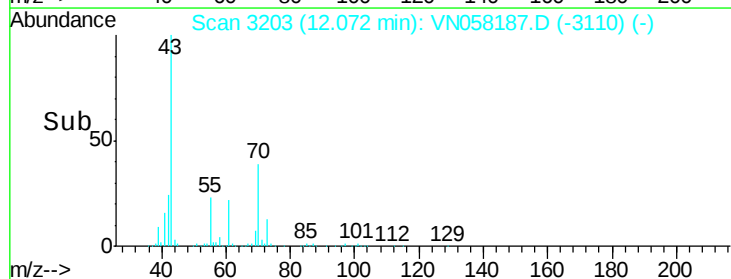
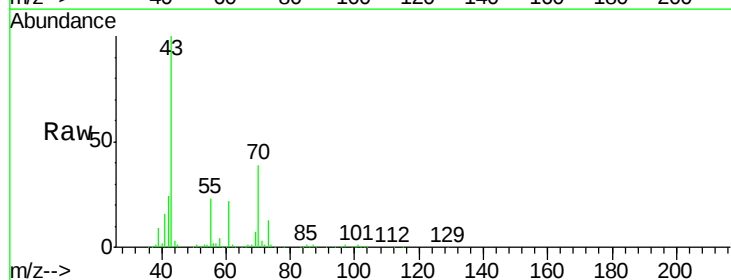
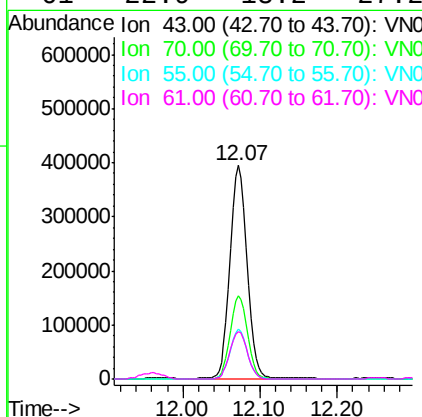
Delta R.T. -0.00 min

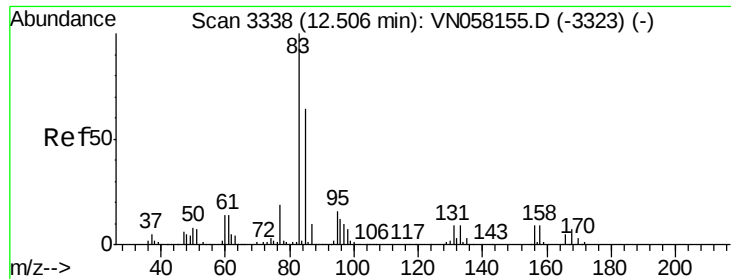
Lab File: VN058187.D

Acq: 19 Sep 2019 00:36

Tgt Ion: 43 Resp: 598811

Ion	Ratio	Lower	Upper
43	100		
70	39.2	31.0	46.6
55	23.4	18.5	27.7
61	22.9	18.2	27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 49.700 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN058187.D

Acq: 19 Sep 2019 00:36

Instrument :

MSVOA_N

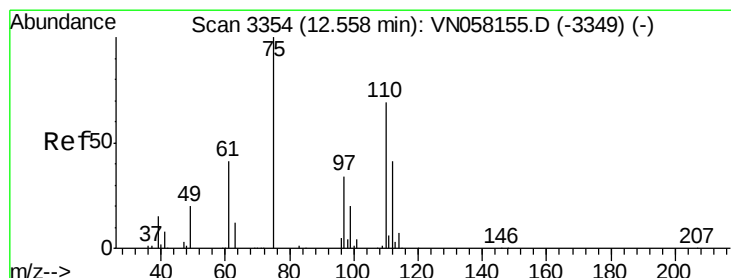
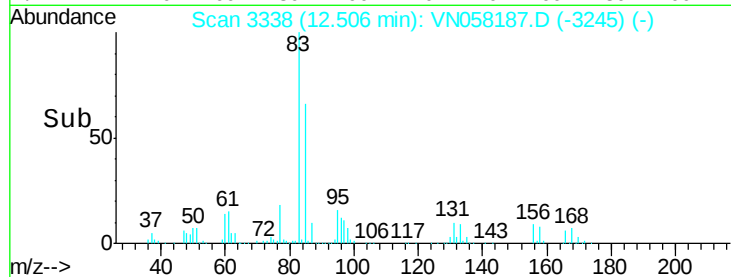
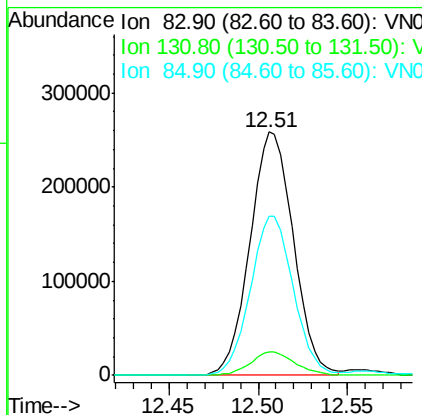
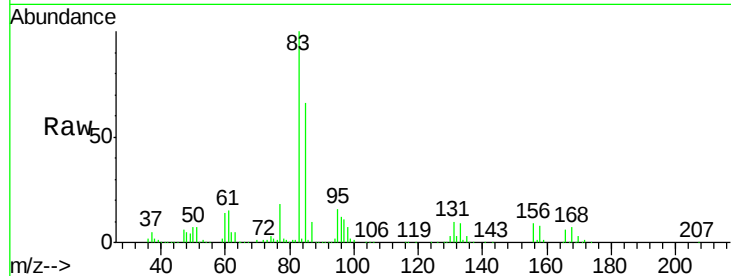
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	440429
Ion Ratio	Lower	Upper	
83	100		
131	9.9	4.8	14.3
85	64.6	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 52.723 ug/l m

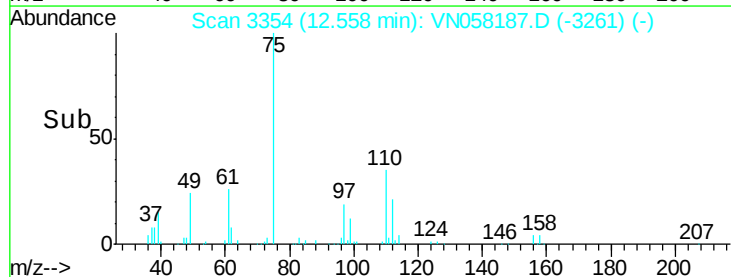
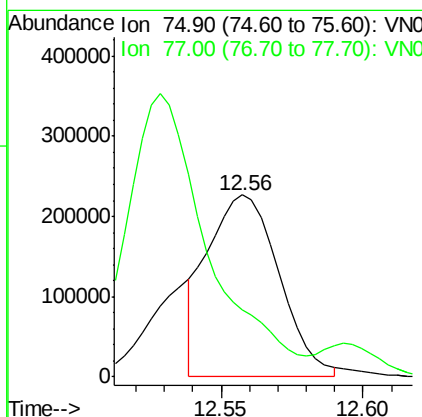
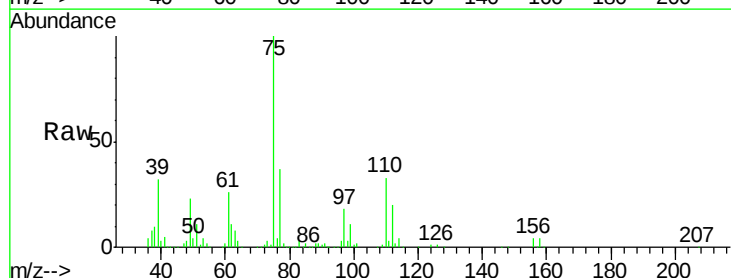
RT: 12.56 min Scan# 3354

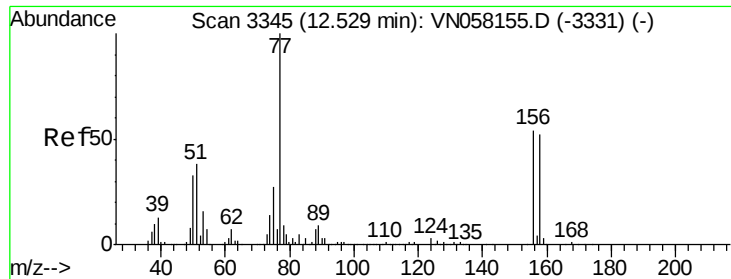
Delta R.T. -0.00 min

Lab File: VN058187.D

Acq: 19 Sep 2019 00:36

Tgt Ion:	75	Resp:	398920
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.341 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058187.D

Acq: 19 Sep 2019 00:36

Instrument :

MSVOA_N

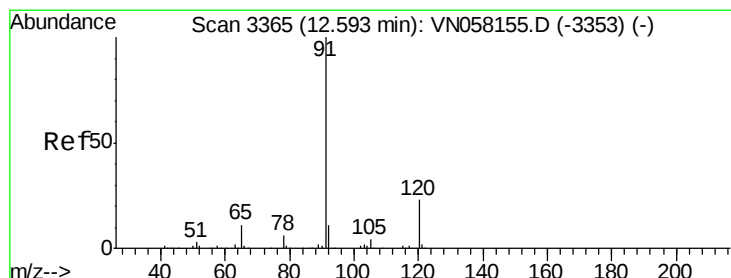
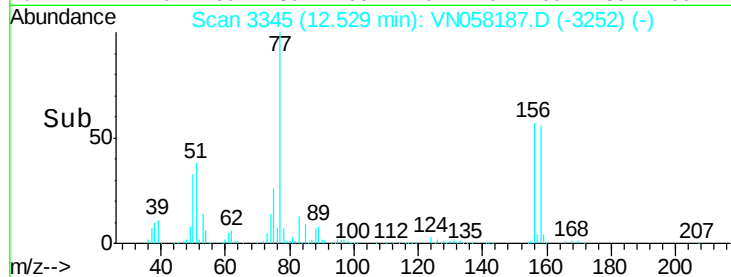
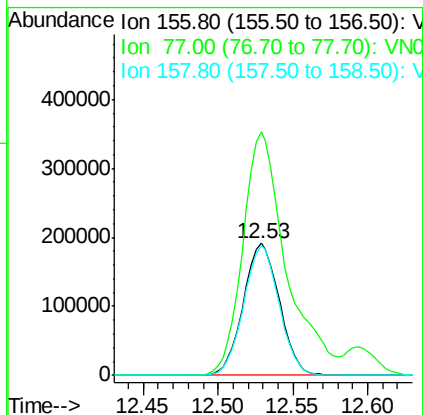
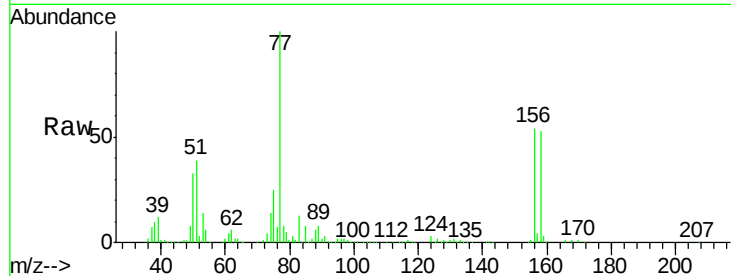
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	321787
Ion Ratio	Lower	Upper	
156	100		
77	221.5	111.7	335.1
158	96.6	47.9	143.8

Manual Integrations
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#78

n-propylbenzene

Concen: 52.759 ug/l

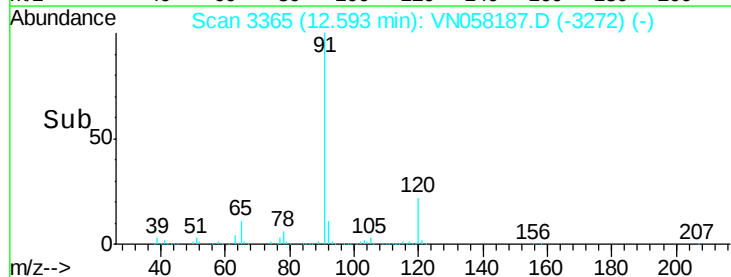
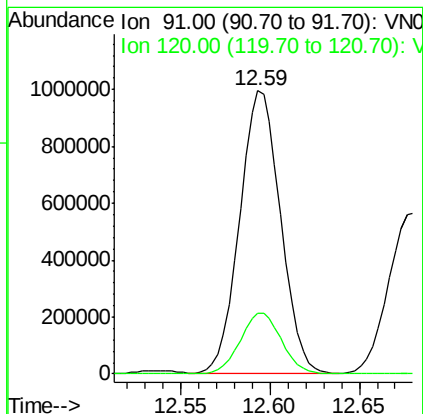
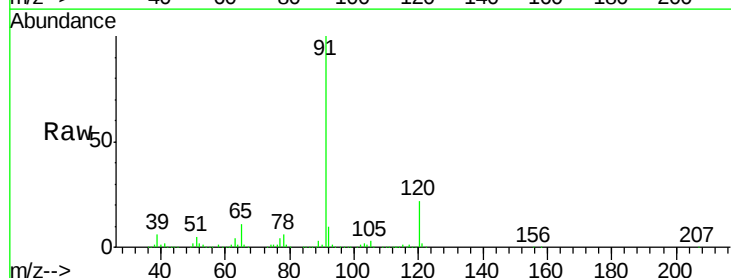
RT: 12.59 min Scan# 3365

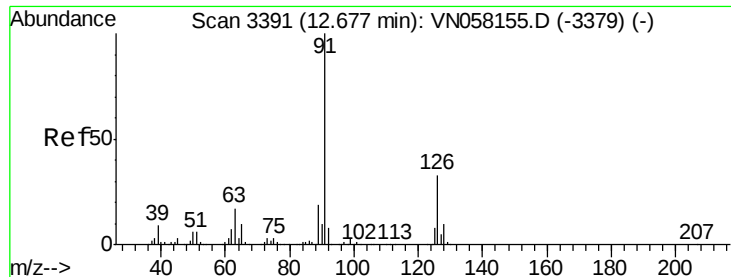
Delta R.T. -0.00 min

Lab File: VN058187.D

Acq: 19 Sep 2019 00:36

Tgt Ion:	91	Resp:	1586541
Ion Ratio	Lower	Upper	
91	100		
120	21.8	11.1	33.3





#79

2-Chlorotoluene

Concen: 50.332 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058187.D

Acq: 19 Sep 2019 00:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 945917

Ion Ratio Lower Upper

91 100

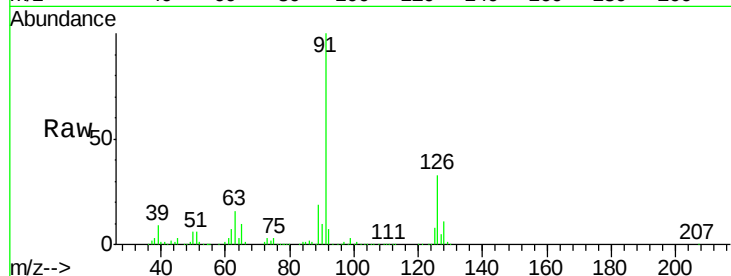
126 32.8 16.4 49.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN058187.D (-3392) (-)

Ion 125.90 (125.60 to 126.60): VN058187.D (-3392) (-)

1000000

800000

600000

400000

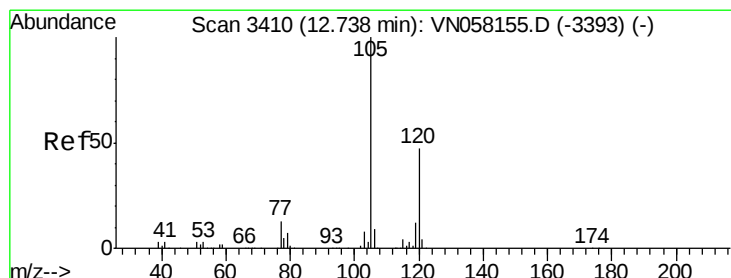
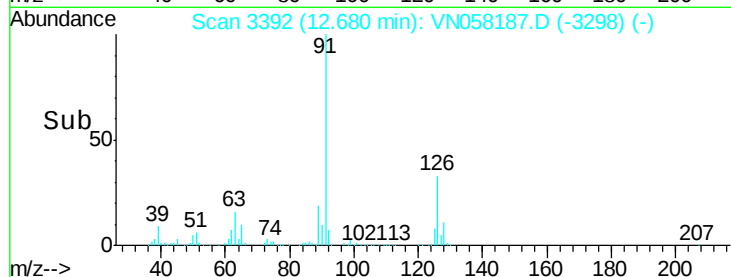
200000

0

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 52.262 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058187.D

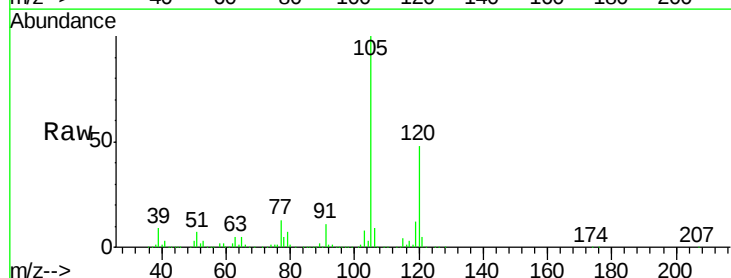
Acq: 19 Sep 2019 00:36

Tgt Ion: 105 Resp: 1169494

Ion Ratio Lower Upper

105 100

120 47.2 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN058187.D (-3410) (-)

Ion 120.00 (119.70 to 120.70): VN058187.D (-3410) (-)

800000

600000

400000

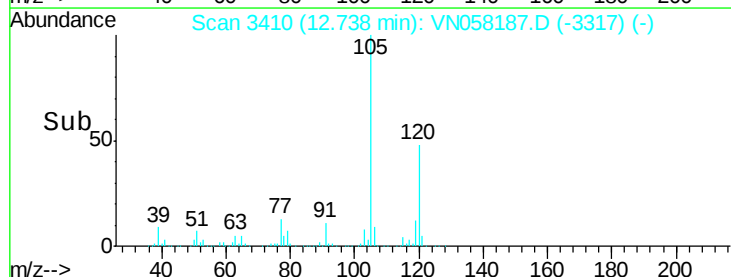
200000

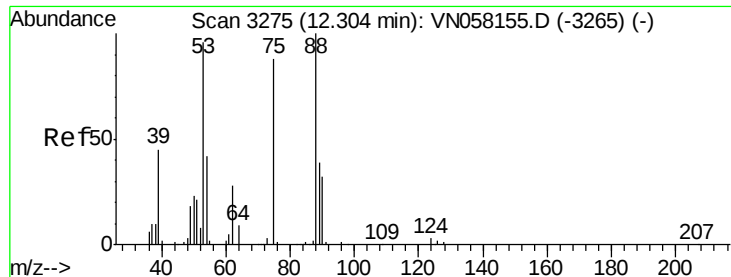
0

12.70

12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 42.130 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058187.D

Acq: 19 Sep 2019 00:36

Instrument :

MSVOA_N

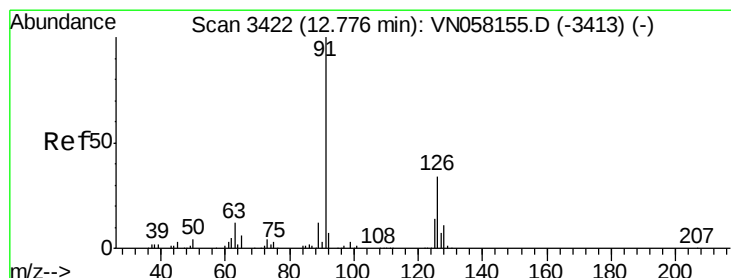
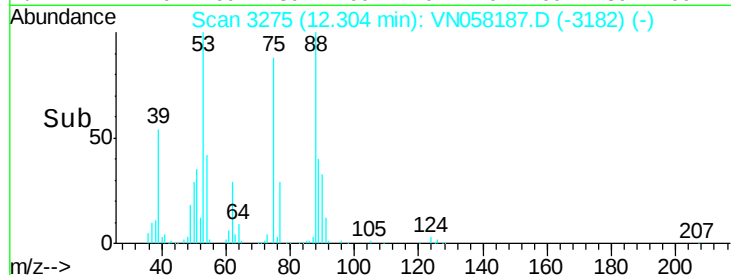
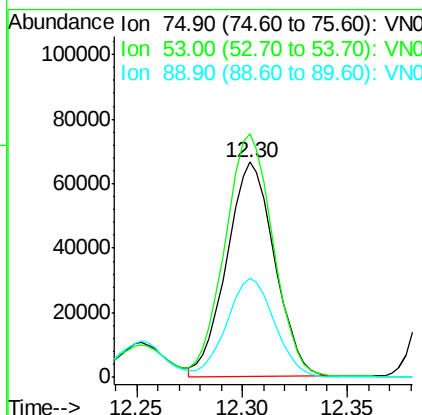
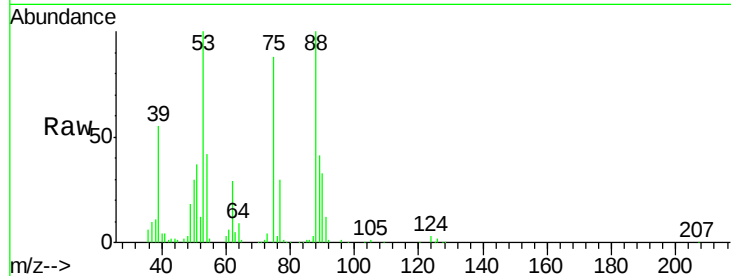
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	104490
Ion Ratio	Lower	Upper	
75	100		
53	115.1	90.1	135.1
89	46.9	36.2	54.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 50.985 ug/l

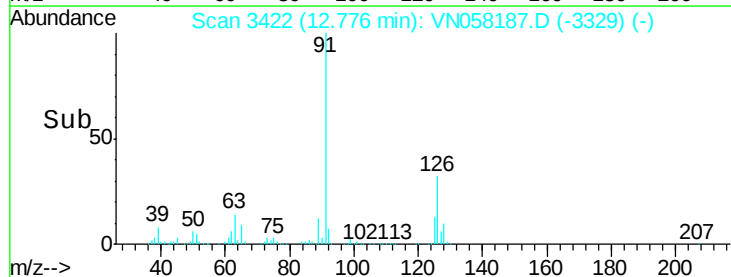
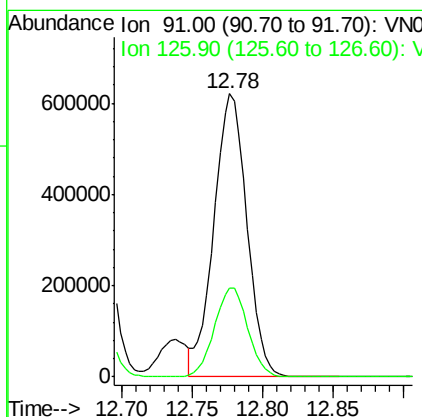
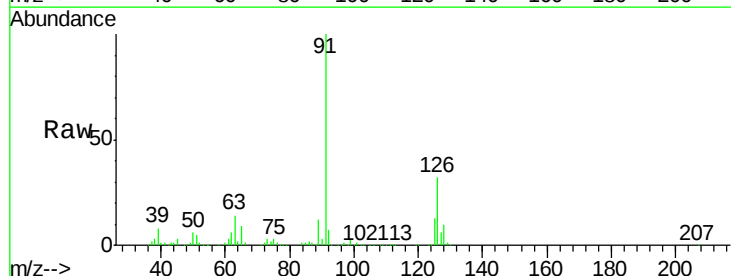
RT: 12.78 min Scan# 3422

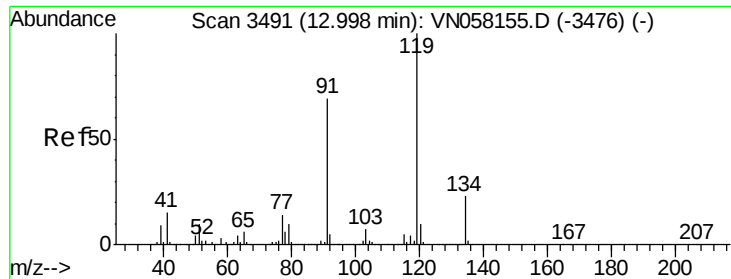
Delta R.T. -0.00 min

Lab File: VN058187.D

Acq: 19 Sep 2019 00:36

Tgt Ion:	91	Resp:	1007227
Ion Ratio	Lower	Upper	
91	100		
126	31.7	15.7	47.1





#83

tert-Butylbenzene

Concen: 51.915 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. -0.00 min

Lab File: VN058187.D

Acq: 19 Sep 2019 00:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:119 Resp: 1036012

Ion Ratio Lower Upper

119 100

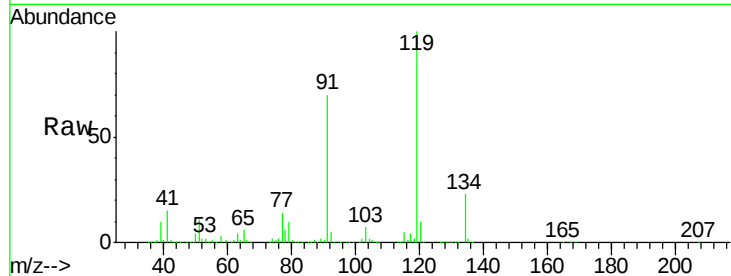
91 68.0 33.8 101.3

134 23.3 11.6 34.8

Manual Integrations
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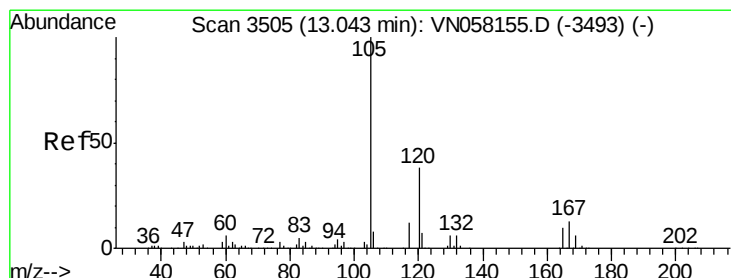
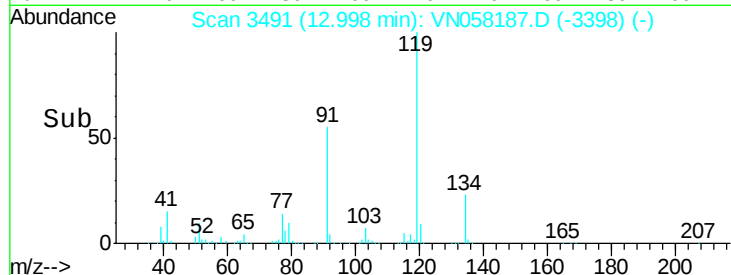
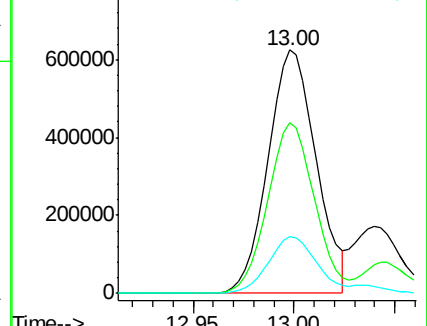
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 53.432 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. -0.00 min

Lab File: VN058187.D

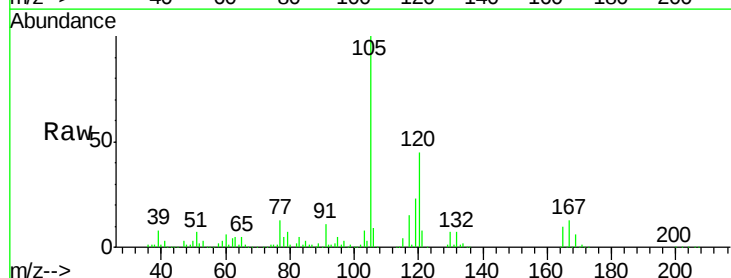
Acq: 19 Sep 2019 00:36

Tgt Ion:105 Resp: 1189898

Ion Ratio Lower Upper

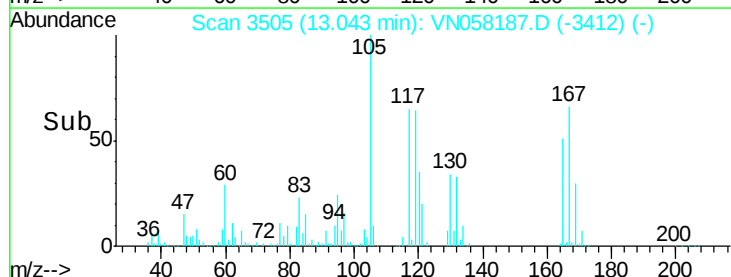
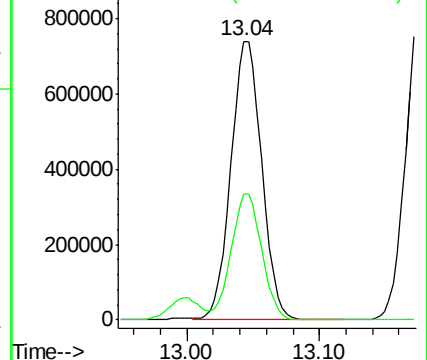
105 100

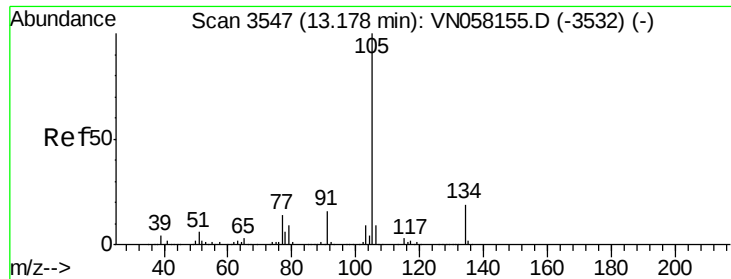
120 44.8 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 53.614 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058187.D

Acq: 19 Sep 2019 00:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1399095

Ion Ratio Lower Upper

105 100

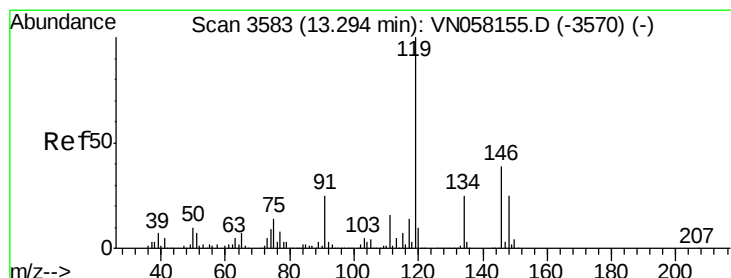
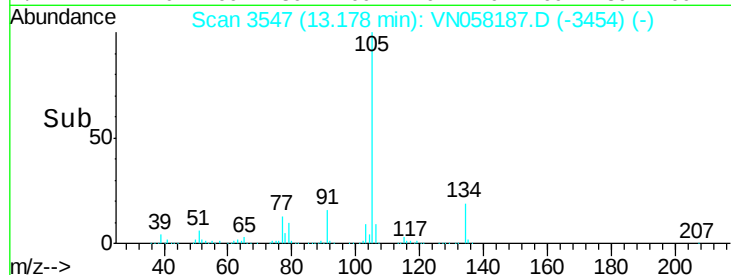
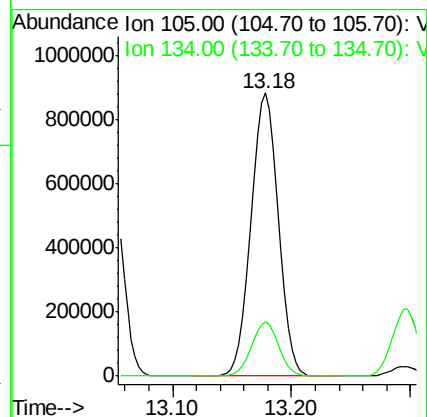
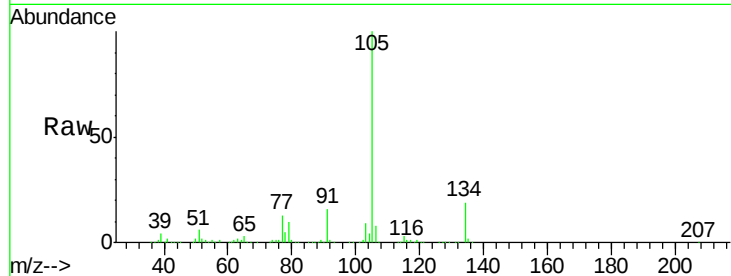
134 19.1 9.5 28.5

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#86

p-Isopropyltoluene

Concen: 54.680 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN058187.D

Acq: 19 Sep 2019 00:36

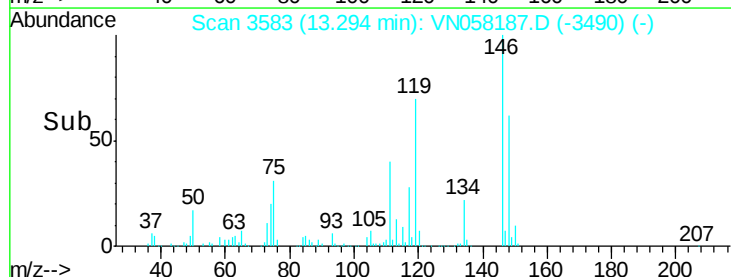
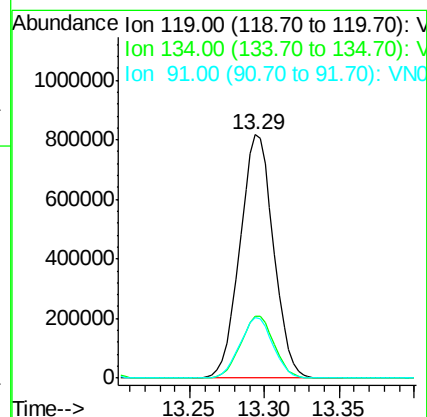
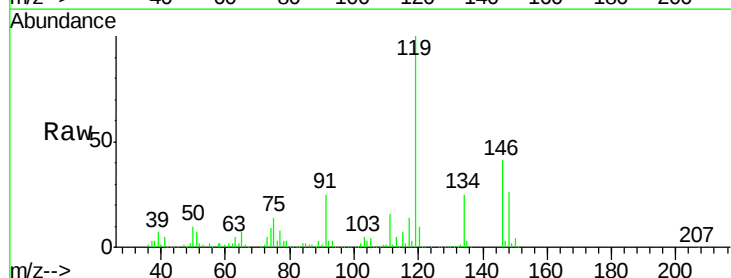
Tgt Ion:119 Resp: 1268553

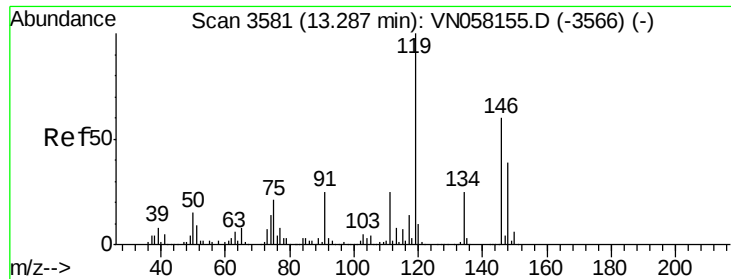
Ion Ratio Lower Upper

119 100

134 25.5 12.7 38.0

91 24.5 12.3 36.8





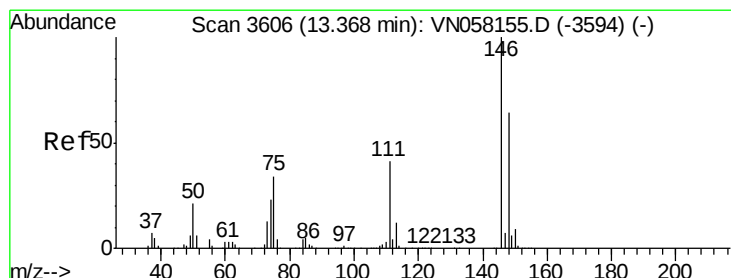
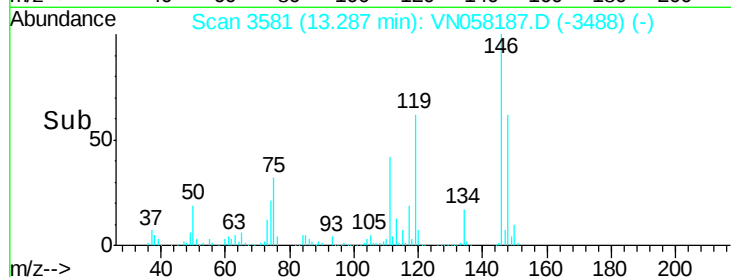
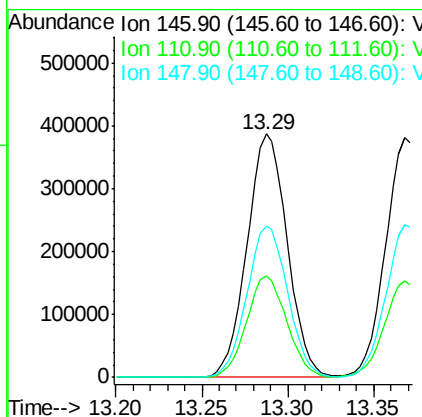
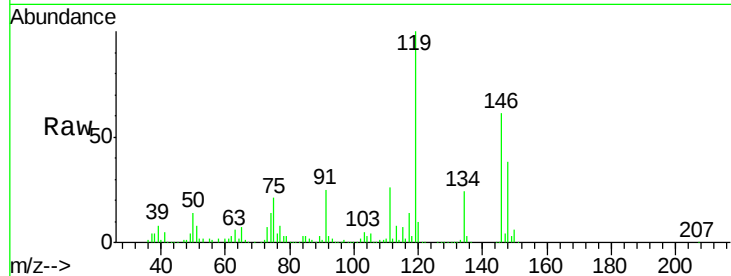
#87
 1,3-Dichlorobenzene
 Concen: 51.655 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN058187.D
 Acq: 19 Sep 2019 00:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.9	62.8
148	63.1	32.0	96.2

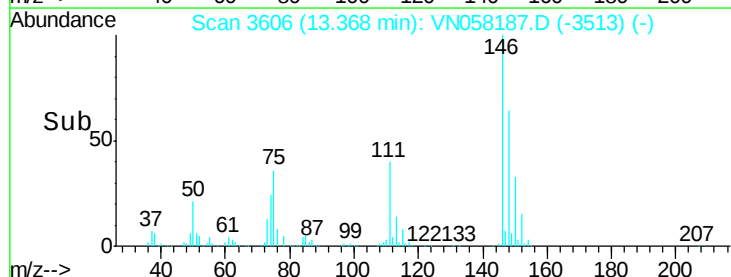
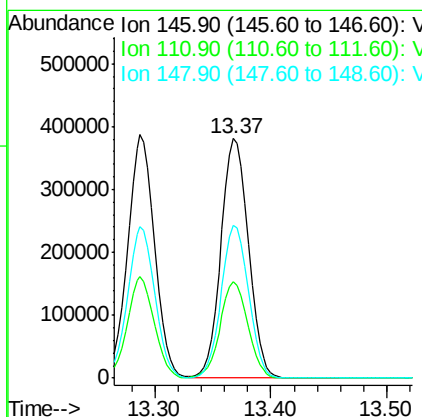
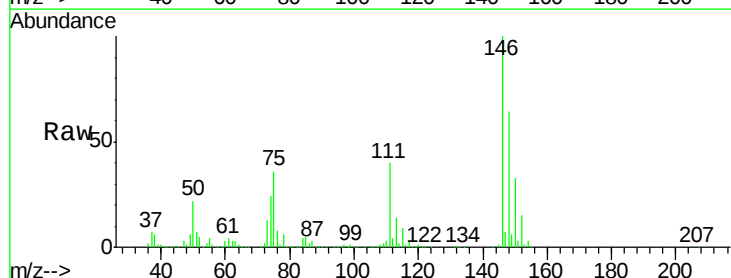
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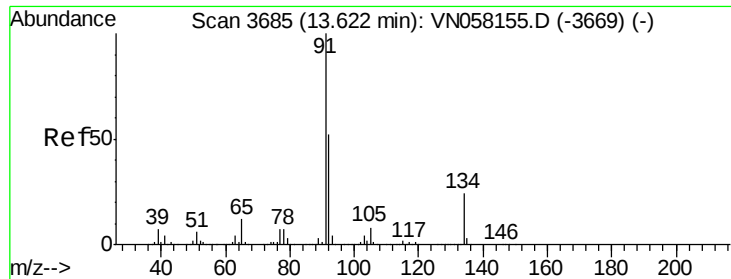
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#88
 1,4-Dichlorobenzene
 Concen: 50.337 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN058187.D
 Acq: 19 Sep 2019 00:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.5	61.5
148	63.4	31.9	95.5





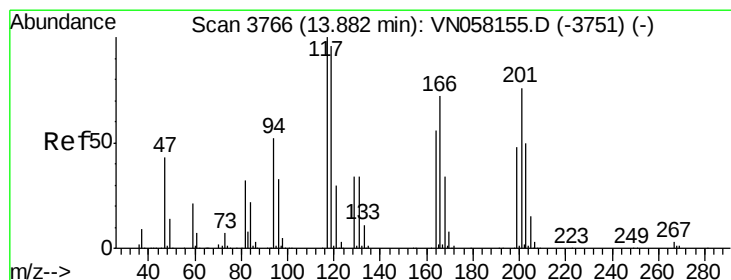
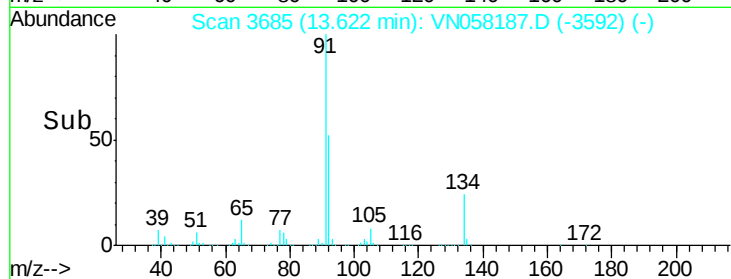
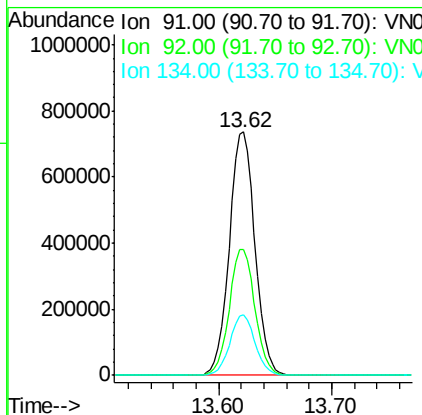
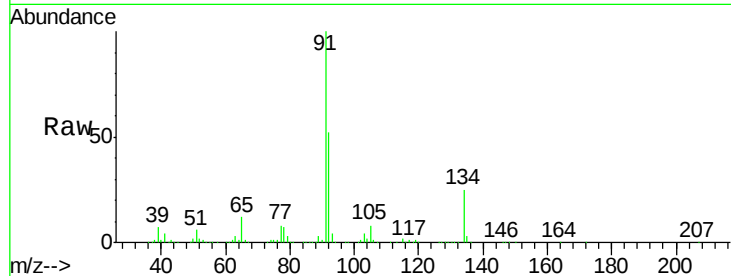
#89
n-Butylbenzene
Concen: 52.568 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN058187.D
Acq: 19 Sep 2019 00:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1156222
Ion Ratio Lower Upper
91 100
92 51.8 25.7 77.0
134 24.4 11.8 35.4

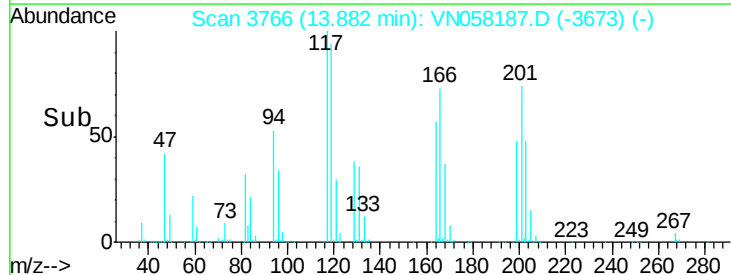
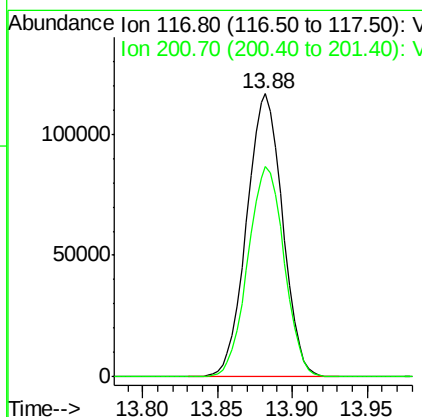
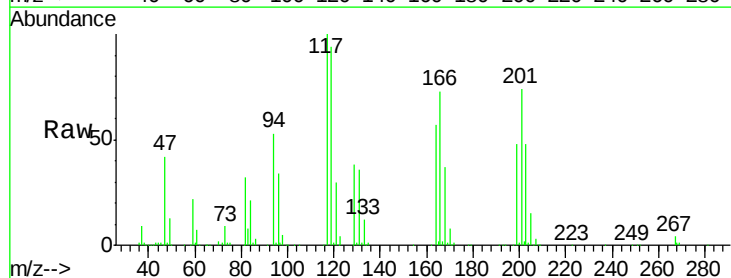
Manual Integrations
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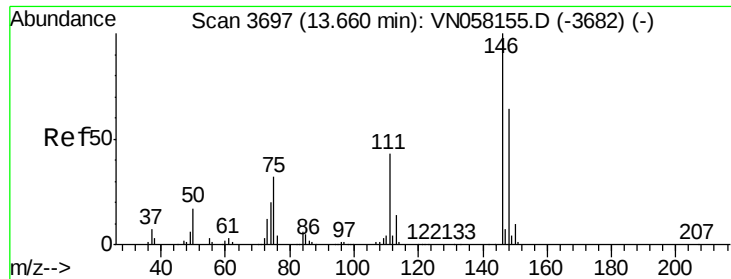
MMDadoda
9/20/2019 1:44:26 PM



#90
Hexachloroethane
Concen: 47.990 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058187.D
Acq: 19 Sep 2019 00:36

Tgt Ion: 117 Resp: 194744
Ion Ratio Lower Upper
117 100
201 75.2 37.5 112.5





#91

1,2-Dichlorobenzene

Concen: 51.124 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN058187.D

Acq: 19 Sep 2019 00:36

Instrument :

MSVOA_N

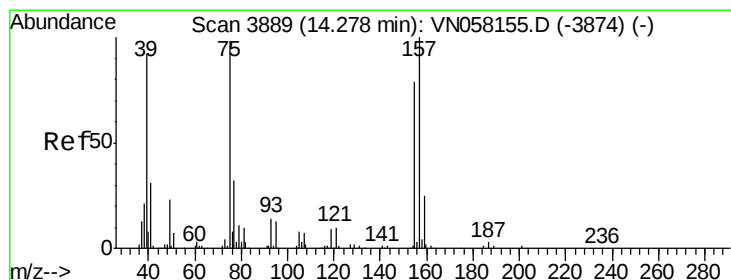
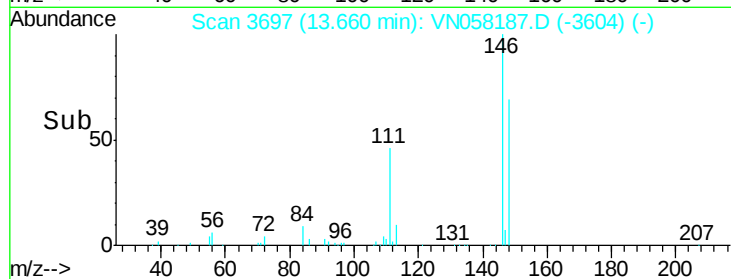
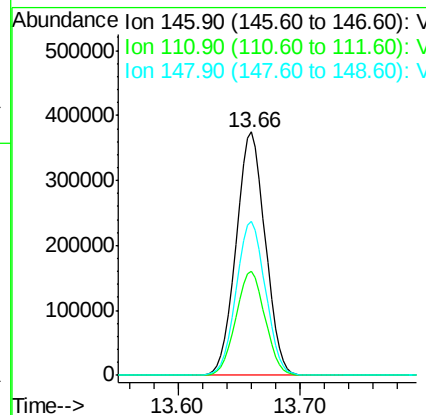
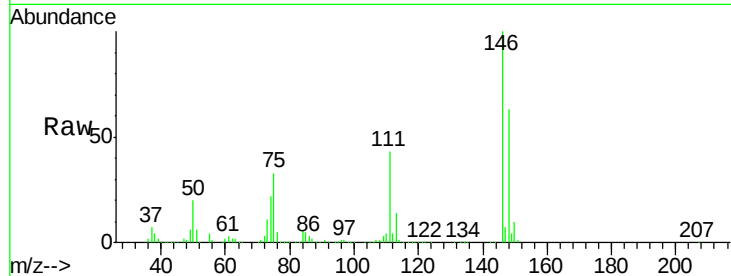
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	623511
Ion Ratio	Lower	Upper	
146	100		
111	42.8	21.1	63.1
148	63.5	31.8	95.4

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 52.650 ug/l

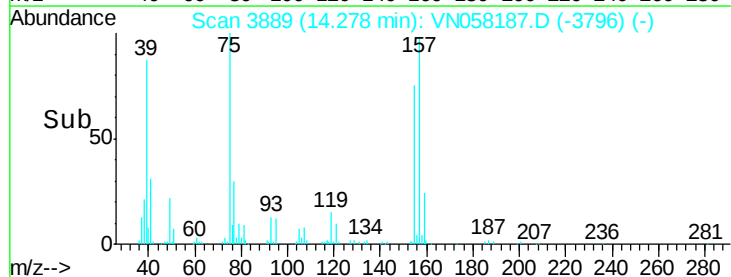
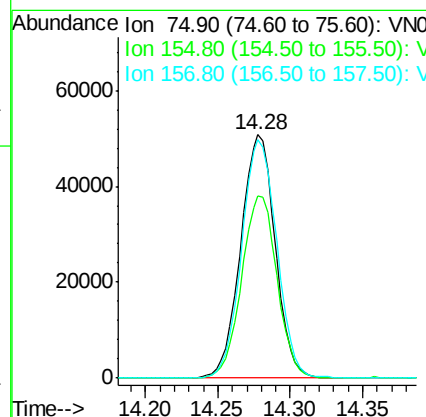
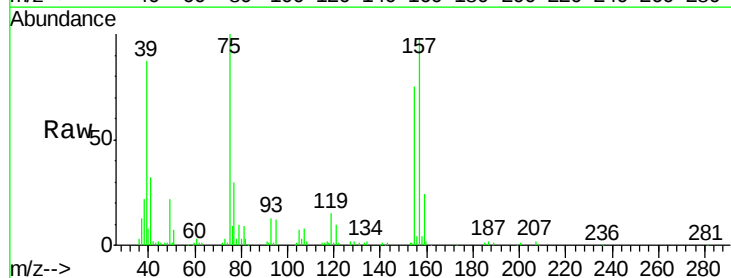
RT: 14.28 min Scan# 3889

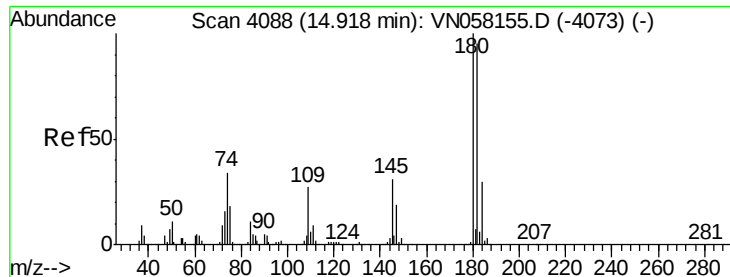
Delta R.T. -0.00 min

Lab File: VN058187.D

Acq: 19 Sep 2019 00:36

Tgt Ion:	75	Resp:	83999
Ion Ratio	Lower	Upper	
75	100		
155	76.7	38.3	114.8
157	99.7	48.0	144.0





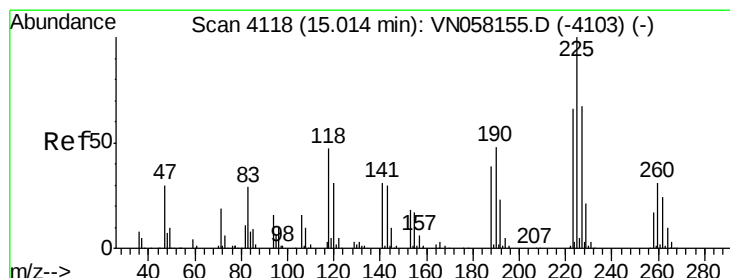
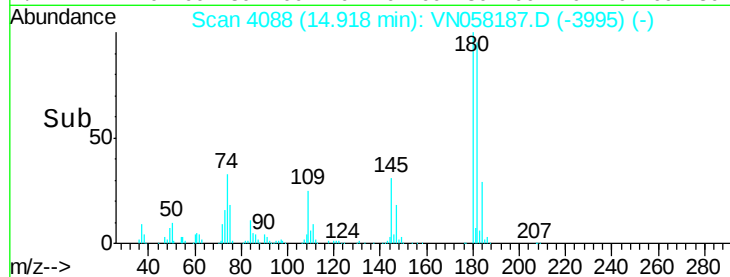
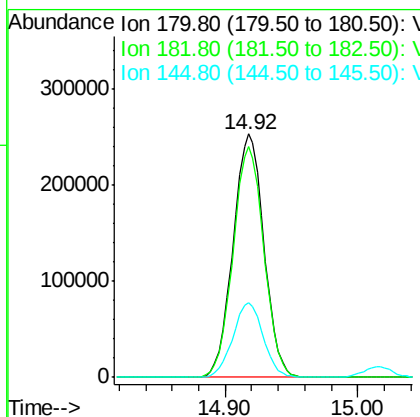
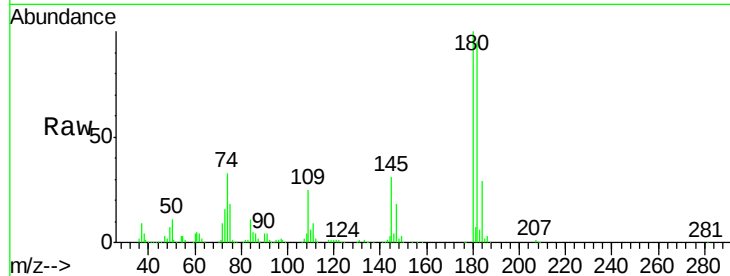
#93
 1,2,4-Trichlorobenzene
 Concen: 52.386 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058187.D
 Acq: 19 Sep 2019 00:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	180	Resp:	408207
Ion Ratio	Lower	Upper	
180	100		
182	94.7	47.8	143.3
145	30.3	15.4	46.4

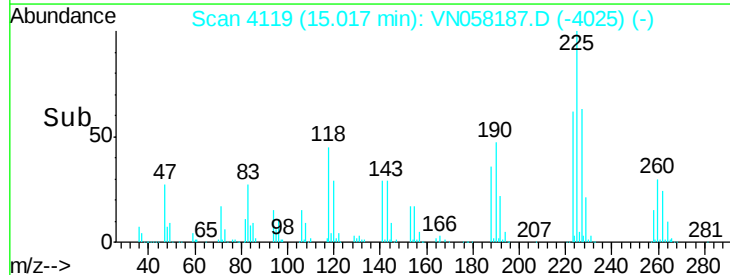
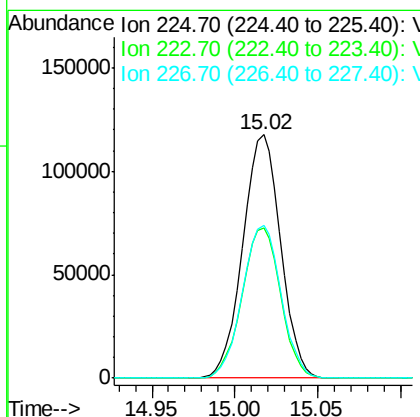
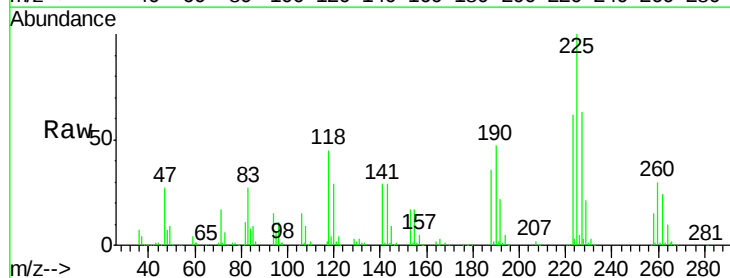
Manual Integrations
 APPROVED

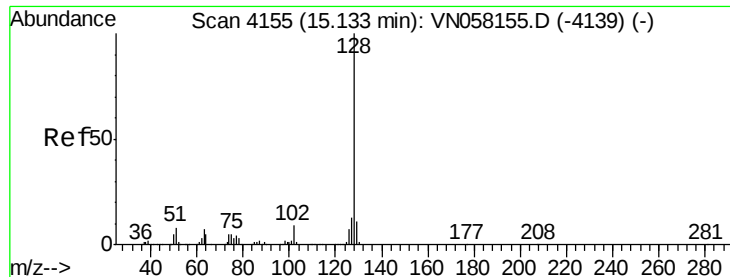
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 49.524 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058187.D
 Acq: 19 Sep 2019 00:36

Tgt Ion:	225	Resp:	186520
Ion Ratio	Lower	Upper	
225	100		
223	62.9	32.6	97.7
227	64.1	33.0	99.0





#95

Naphthalene

Concen: 55.864 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN058187.D

Acq: 19 Sep 2019 00:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:128 Resp: 1128141

Ion Ratio Lower Upper

128 100

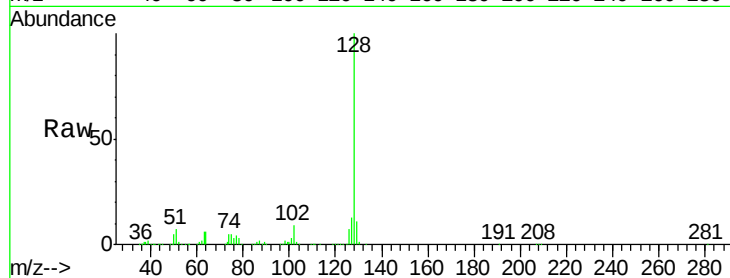
127 12.6 10.2 15.2

129 10.7 8.6 12.8

Manual Integrations
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MMDadoda

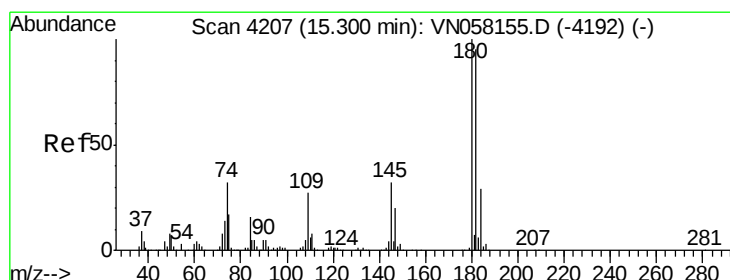
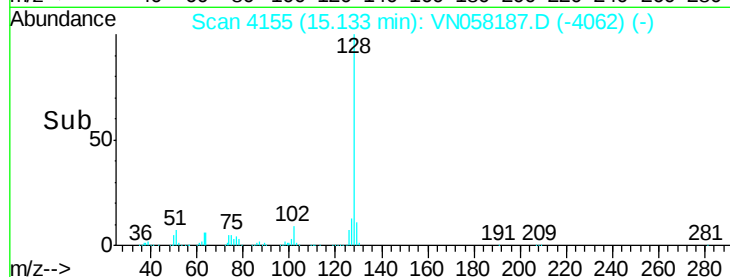
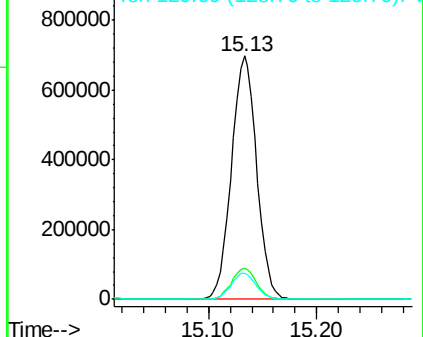
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 51.924 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. -0.00 min

Lab File: VN058187.D

Acq: 19 Sep 2019 00:36

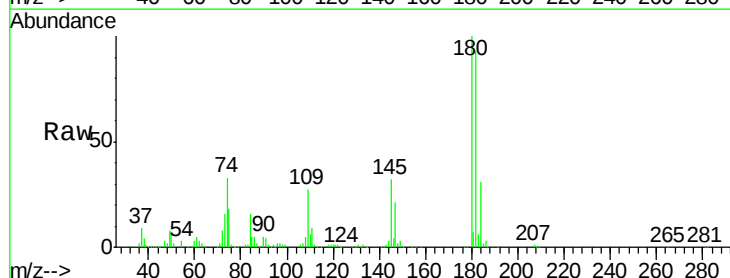
Tgt Ion:180 Resp: 382423

Ion Ratio Lower Upper

180 100

182 95.4 47.4 142.2

145 31.9 16.1 48.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

