

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091819\
 Data File : VN058160.D
 Acq On : 18 Sep 2019 14:06
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 1:43:34 PM

Quant Time: Sep 19 15:23:36 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	576102	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	944523	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	879757	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	435323	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	390399	48.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.30%	
35) Dibromofluoromethane	7.57	113	285006	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	
50) Toluene-d8	10.08	98	1150962	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
62) 4-Bromofluorobenzene	12.40	95	426480	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	203709	43.044	ug/l	98
3) Chloromethane	2.04	50	171353	46.909	ug/l	98
4) Vinyl Chloride	2.17	62	185665	46.480	ug/l	99
5) Bromomethane	2.54	94	103227	48.901	ug/l	98
6) Chloroethane	2.68	64	121323	47.388	ug/l	99
7) Trichlorofluoromethane	3.00	101	273384	42.322	ug/l	97
8) Diethyl Ether	3.39	74	131856	44.549	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	203361	43.664	ug/l	100
10) Methyl Iodide	3.93	142	188943	48.415	ug/l	98
11) Tert butyl alcohol	4.75	59	223198	233.845	ug/l #	85
12) 1,1-Dichloroethene	3.72	96	162077	45.827	ug/l	98
13) Acrolein	3.59	56	66063	467.044	ug/l	100
14) Allyl chloride	4.30	41	336653	44.175	ug/l	98
15) Acrylonitrile	4.96	53	605407	238.070	ug/l	99
16) Acetone	3.79	43	594120	218.133	ug/l	98
17) Carbon Disulfide	4.03	76	217547	43.762	ug/l	100
18) Methyl Acetate	4.30	43	312868	43.655	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	816886	46.503	ug/l	97
20) Methylene Chloride	4.53	84	226370	47.460	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	175967	45.654	ug/l	98
22) Diisopropyl ether	5.92	45	901751	46.581	ug/l	97
23) Vinyl Acetate	5.87	43	3274356	247.187	ug/l	99
24) 1,1-Dichloroethane	5.82	63	462470	44.760	ug/l	99
25) 2-Butanone	6.81	43	868918	234.168	ug/l	97
26) 2,2-Dichloropropane	6.80	77	392965	44.831	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	265801	45.497	ug/l	99
28) Bromochloromethane	7.18	49	241373	49.383	ug/l #	100
29) Tetrahydrofuran	7.19	42	515163	225.389	ug/l	99
30) Chloroform	7.35	83	503694	45.289	ug/l	100
31) Cyclohexane	7.63	56	308795	46.045	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	403307	47.635	ug/l	99
36) 1,1-Dichloropropene	7.77	75	300859	44.170	ug/l	99
37) Ethyl Acetate	6.91	43	337107	47.690	ug/l	99
38) Carbon Tetrachloride	7.76	117	315919	46.140	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	313171	47.556	ug/l	98
40) Benzene	8.02	78	958329	46.064	ug/l	99
41) Methacrylonitrile	7.15	41	162479	45.706	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	403702	46.245	ug/l	99
43) Isopropyl Acetate	8.15	43	612862	46.423	ug/l	100
44) Trichloroethene	8.82	130	236219	46.399	ug/l	99
45) 1,2-Dichloropropane	9.11	63	296806	47.772	ug/l	100
46) Dibromomethane	9.20	93	179954	47.640	ug/l	99
47) Bromodichloromethane	9.39	83	393958	49.783	ug/l	100
48) Methyl methacrylate	9.19	41	294574	49.144	ug/l	99
49) 1,4-Dioxane	9.19	88	99671	1012.793	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	1850662	263.923	ug/l	99
52) Toluene	10.15	92	621731	47.685	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	419036	51.693	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	448827	50.149	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	283209	48.946	ug/l	98
56) Ethyl methacrylate	10.43	69	423238	50.697	ug/l	99
57) 1,3-Dichloropropane	10.71	76	476044	47.858	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	1043424	262.395	ug/l	100
59) 2-Hexanone	10.75	43	1367038	262.496	ug/l	99
60) Dibromochloromethane	10.90	129	289089	51.934	ug/l	100
61) 1,2-Dibromoethane	11.00	107	262661	48.984	ug/l	99
64) Tetrachloroethene	10.63	164	190939	44.522	ug/l	98
65) Chlorobenzene	11.43	112	734028	47.435	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	278917	49.709	ug/l	100
67) Ethyl Benzene	11.51	91	1300555	49.050	ug/l	99
68) m/p-Xylenes	11.62	106	954083	95.538	ug/l	98
69) o-Xylene	11.95	106	471778	48.045	ug/l	100
70) Styrene	11.97	104	858394	50.736	ug/l	100
71) Bromoform	12.13	173	185376	44.953	ug/l #	99
73) Isopropylbenzene	12.25	105	1362454	50.001	ug/l	100
74) N-amyl acetate	12.07	43	578298	50.732	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	436200	47.804	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	400593m	51.418	ug/l	
77) Bromobenzene	12.53	156	320887	46.817	ug/l	99
78) n-propylbenzene	12.60	91	1599281	51.650	ug/l	100
79) 2-Chlorotoluene	12.68	91	949366	49.059	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1170299	50.790	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	116170	45.029	ug/l	97
82) 4-Chlorotoluene	12.78	91	1010235	49.663	ug/l	100
83) tert-Butylbenzene	13.00	119	1019991	49.639	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	1180404	51.478	ug/l	99
85) sec-Butylbenzene	13.18	105	1396522	51.973	ug/l	100
86) p-Isopropyltoluene	13.29	119	1258511	52.684	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	619968	49.522	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	626850	49.046	ug/l	100
89) n-Butylbenzene	13.62	91	1180419	52.121	ug/l	99
90) Hexachloroethane	13.88	117	194394	46.610	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	617448	49.168	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	80900	49.246	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	402394	50.152	ug/l	99
94) Hexachlorobutadiene	15.02	225	191057	49.266	ug/l	97
95) Naphthalene	15.13	128	1066385	51.284	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	370649	48.875	ug/l	99

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

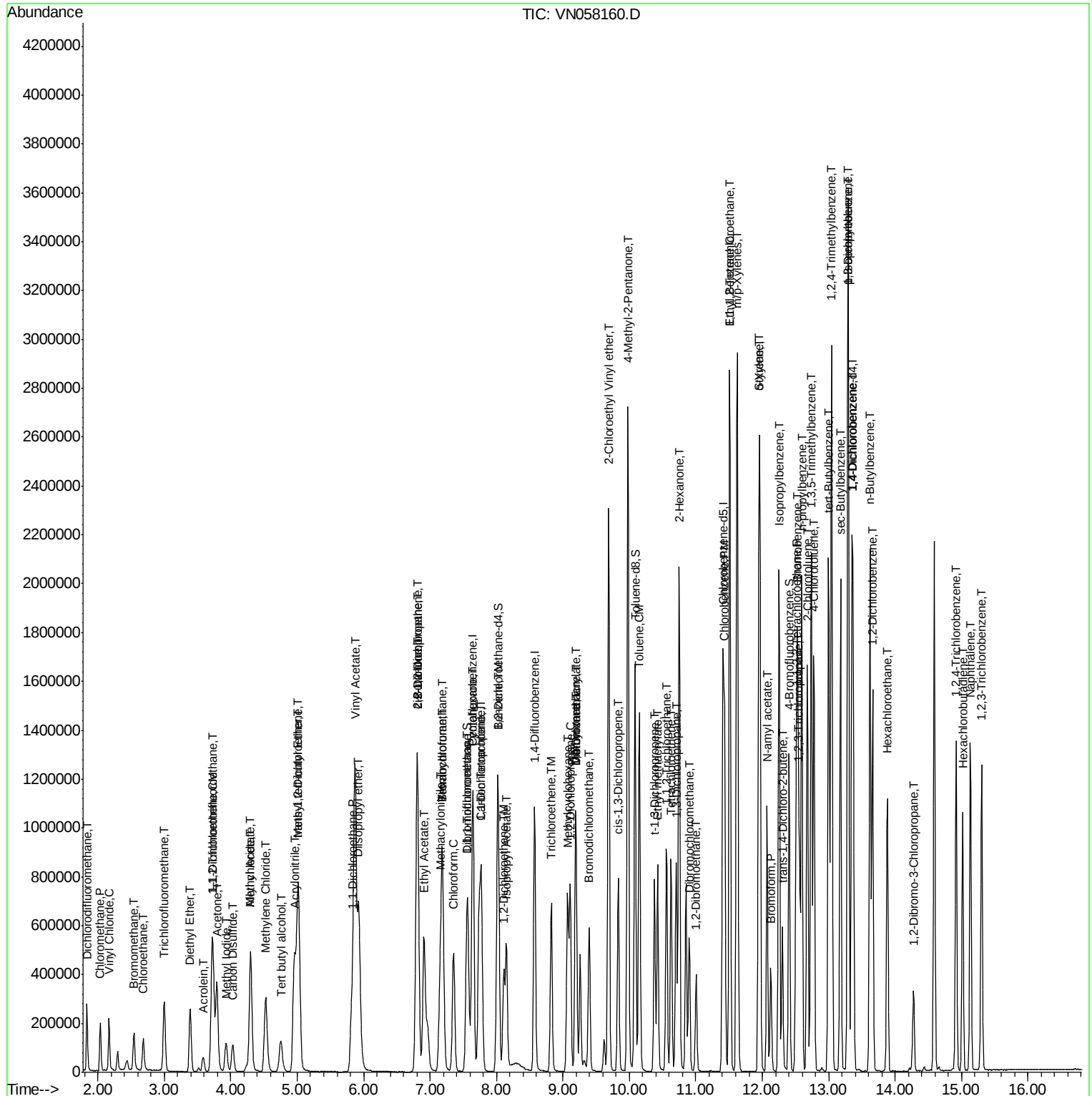
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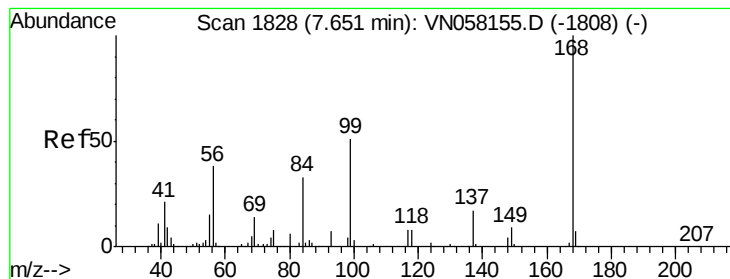
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058160.D

Acq: 18 Sep 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 576102

Ion Ratio Lower Upper

168 100

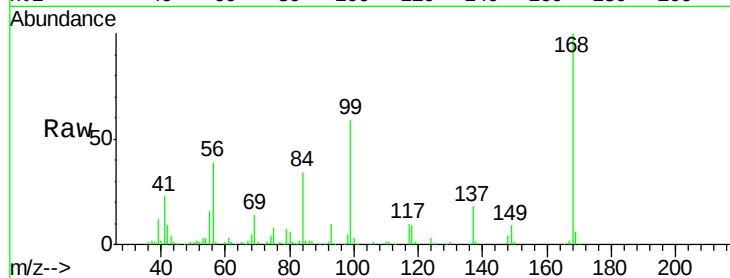
99 58.9 47.4 71.2

Manual Integrations

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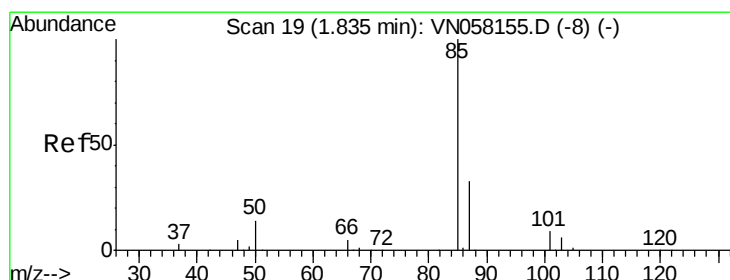
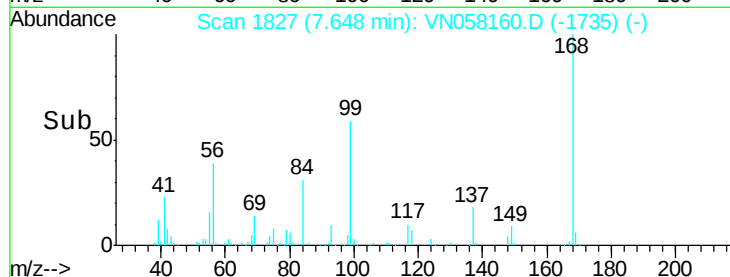
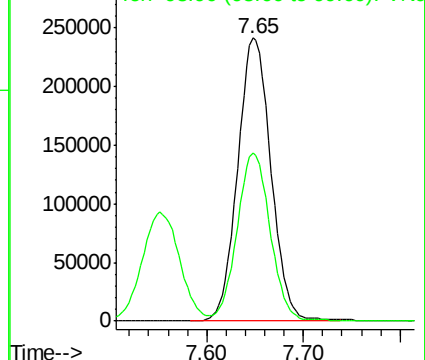
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 43.044 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058160.D

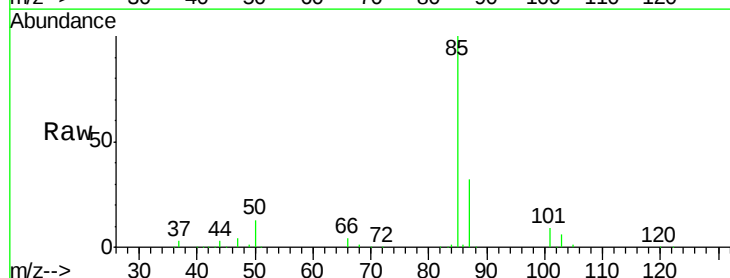
Acq: 18 Sep 2019 14:06

Tgt Ion: 85 Resp: 203709

Ion Ratio Lower Upper

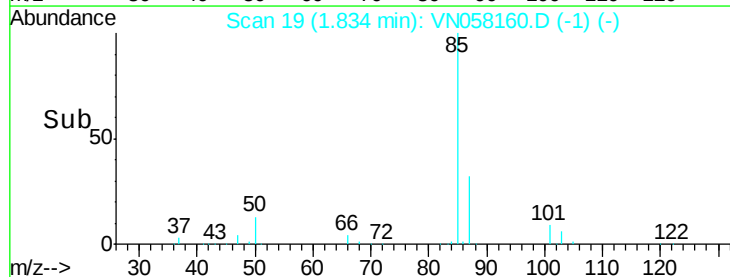
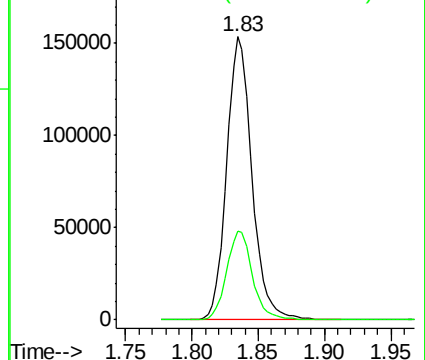
85 100

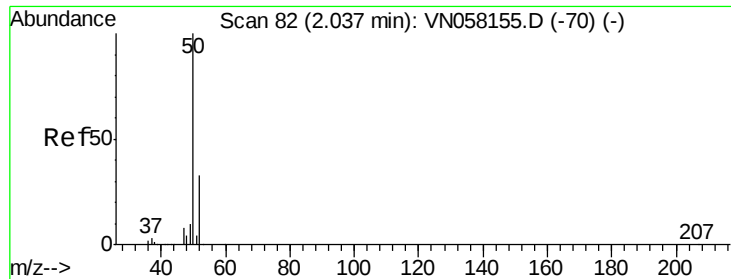
87 31.6 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 46.909 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058160.D

Acq: 18 Sep 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 171353

Ion Ratio Lower Upper

50 100

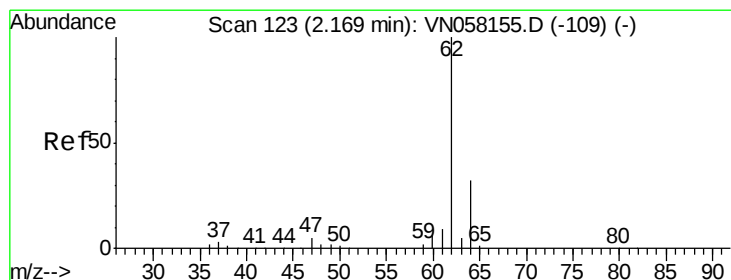
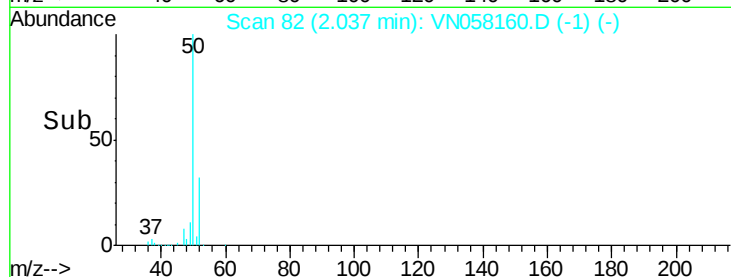
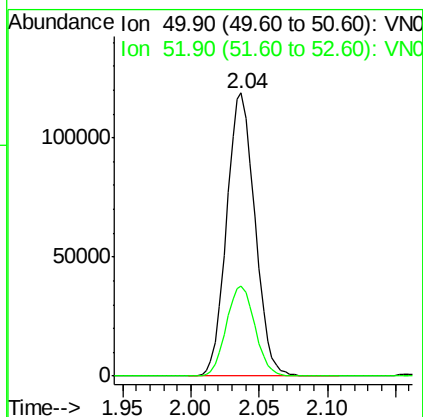
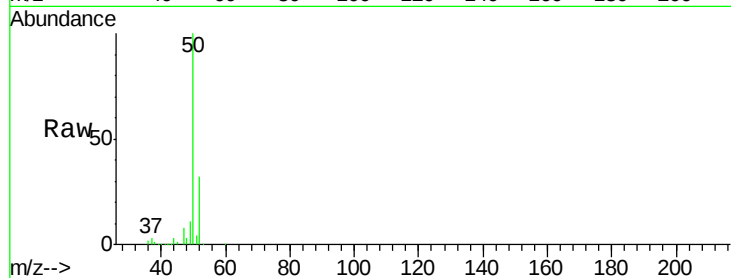
52 31.7 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 46.480 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058160.D

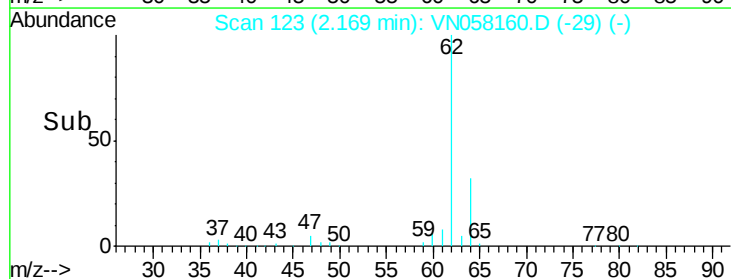
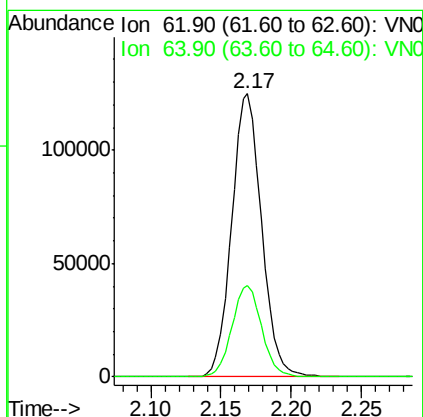
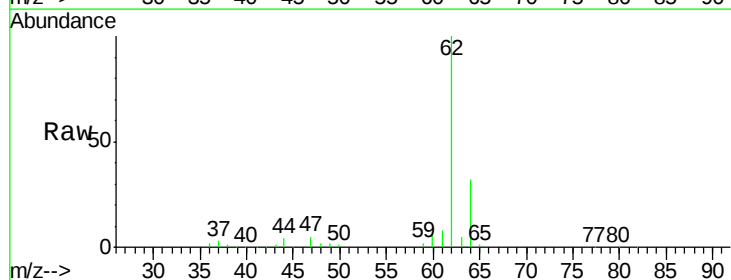
Acq: 18 Sep 2019 14:06

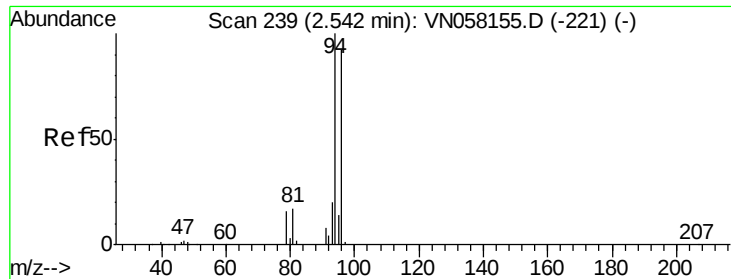
Tgt Ion: 62 Resp: 185665

Ion Ratio Lower Upper

62 100

64 32.3 25.4 38.2





#5

Bromomethane

Concen: 48.901 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN058160.D

Acq: 18 Sep 2019 14:06

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Tot Ion: 94 Resp: 103227

Ion Ratio Lower Upper

94 100

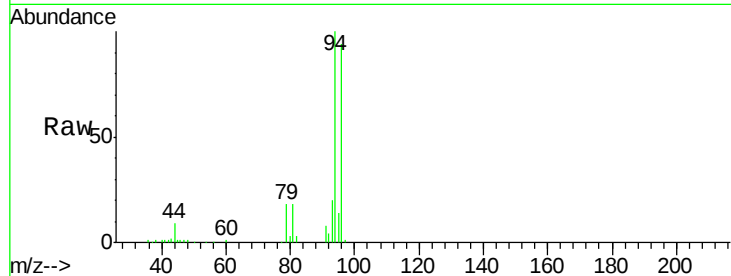
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Manual Integrations

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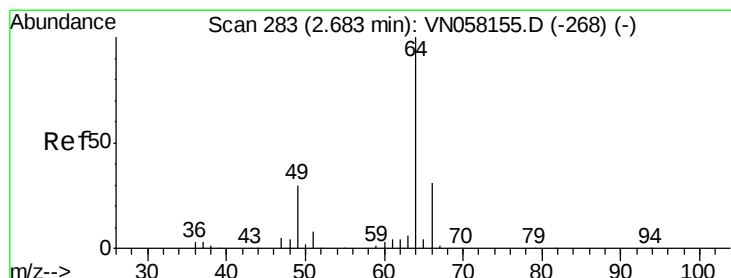
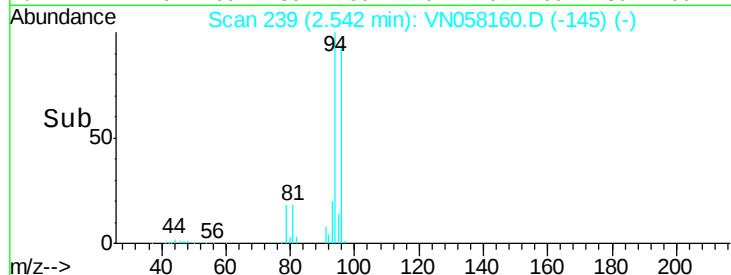
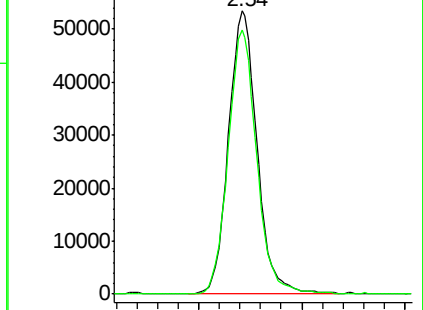
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 47.388 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058160.D

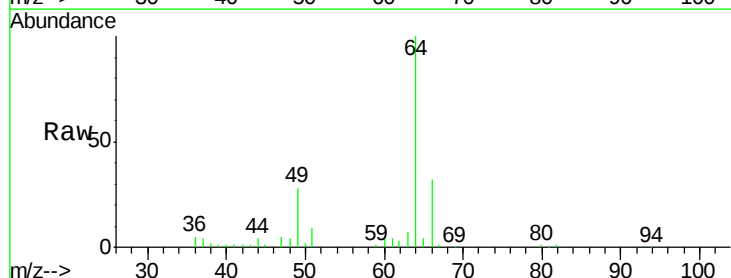
Acq: 18 Sep 2019 14:06

Tgt Ion: 64 Resp: 121323

Ion Ratio Lower Upper

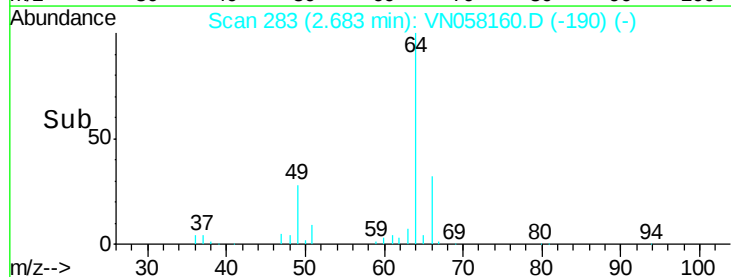
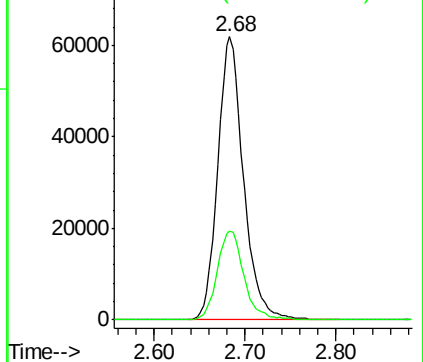
64 100

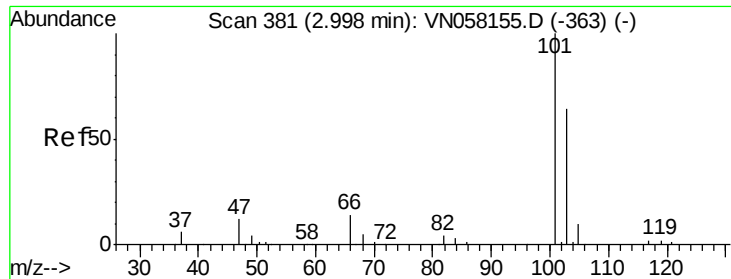
66 31.5 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

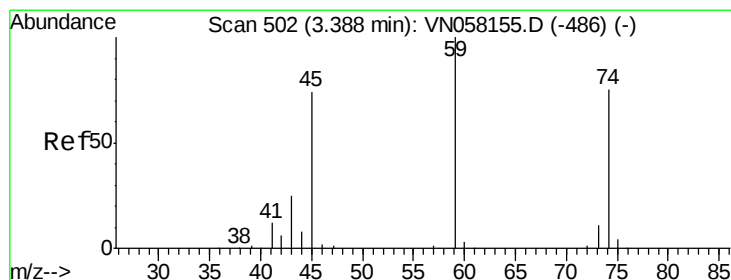
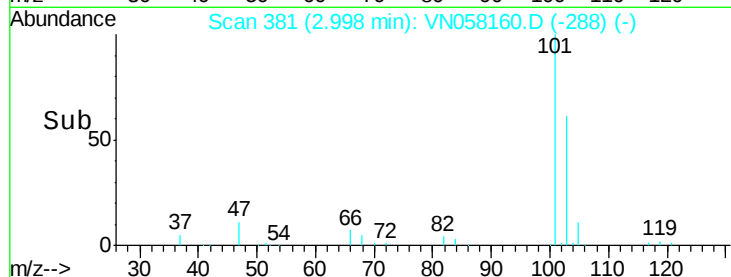
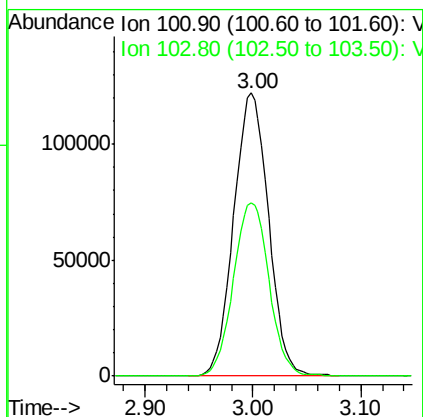
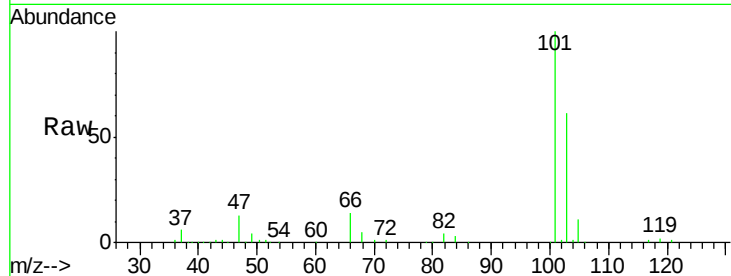
Trichlorofluoromethane
Concen: 42.322 ug/l
RT: 3.00 min Scan# 381
Delta R.T. -0.00 min
Lab File: VN058160.D
Acq: 18 Sep 2019 14:06

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	61.1	51.0	76.6

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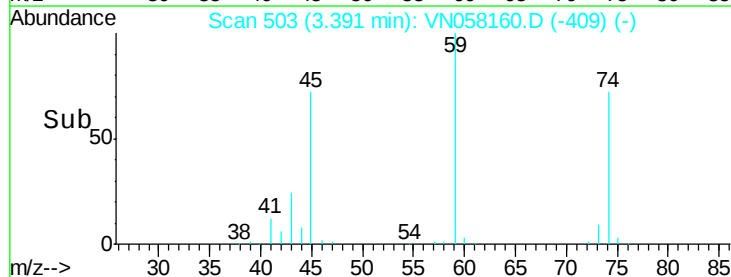
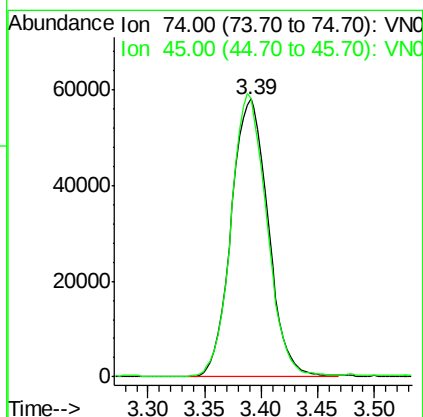
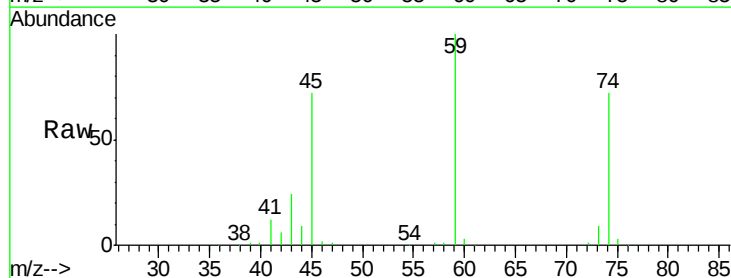
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#8

Diethyl Ether
Concen: 44.549 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058160.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.2	48.5	145.5





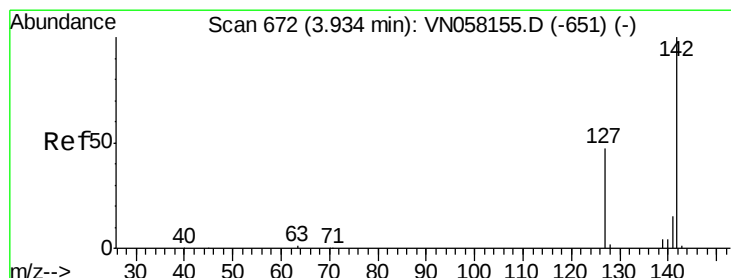
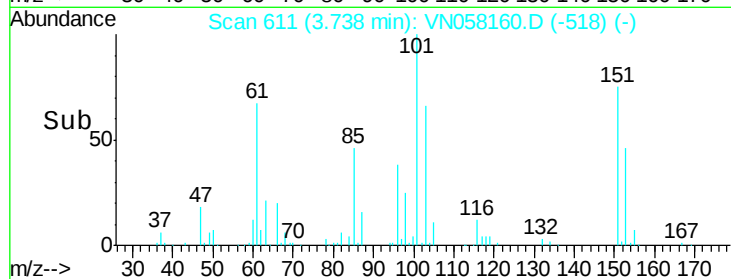
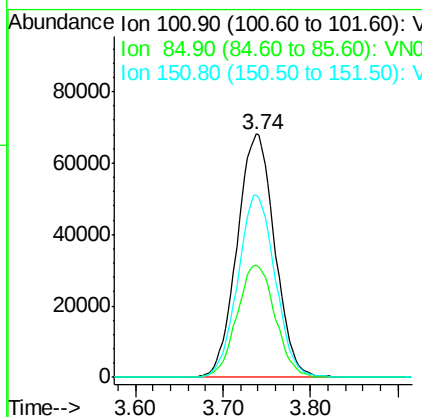
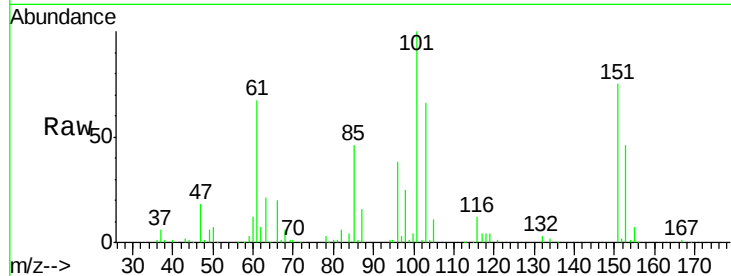
#9
1,1,2-Trichlorotrifluoroethane
Concen: 43.664 ug/l
RT: 3.74 min Scan# 611
Delta R.T. -0.00 min
Lab File: VN058160.D
Acq: 18 Sep 2019 14:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	203361		
85	46.7	37.3	55.9	
151	74.6	59.6	89.4	

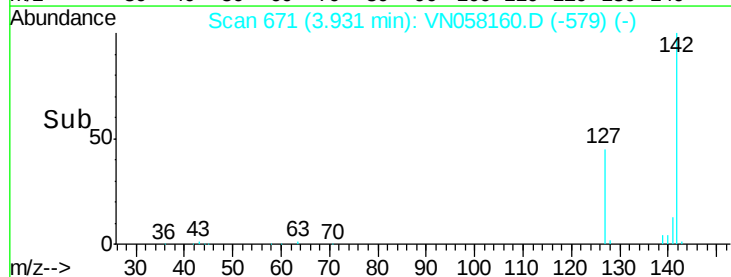
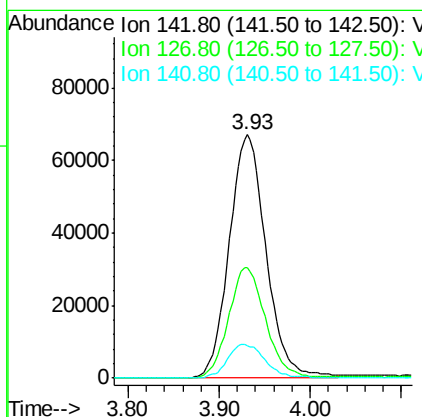
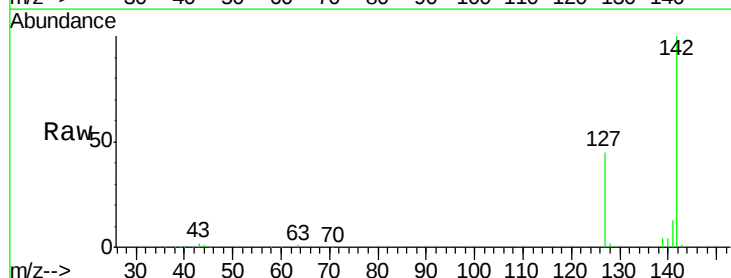
Manual Integrations
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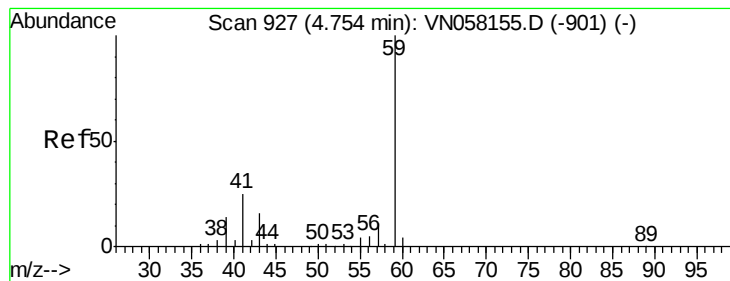
MMDadoda
9/20/2019 1:43:34 PM



#10
Methyl Iodide
Concen: 48.415 ug/l
RT: 3.93 min Scan# 671
Delta R.T. -0.00 min
Lab File: VN058160.D
Acq: 18 Sep 2019 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	188943		
127	45.5	37.5	56.3	
141	14.2	11.4	17.2	





#11

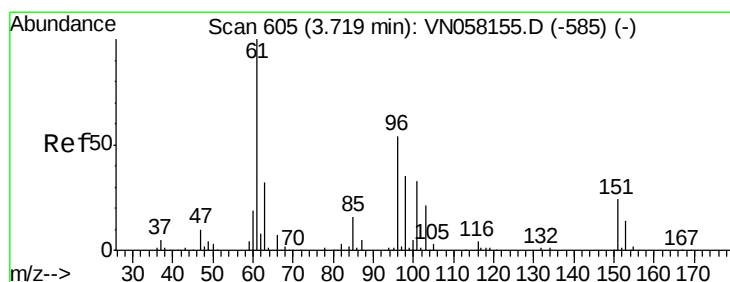
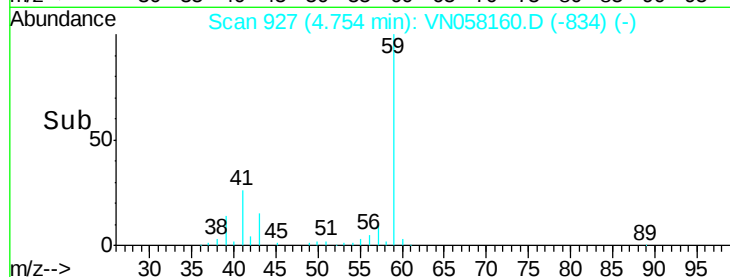
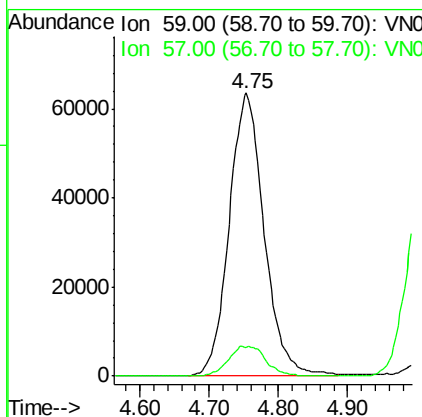
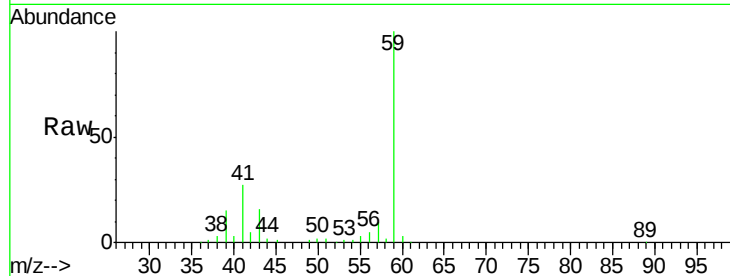
Tert butyl alcohol
Concen: 233.845 ug/l
RT: 4.75 min Scan# 927
Delta R.T. -0.00 min
Lab File: VN058160.D
Acq: 18 Sep 2019 14:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	223198		
57	5.2		8.6	13.0#

Manual Integrations
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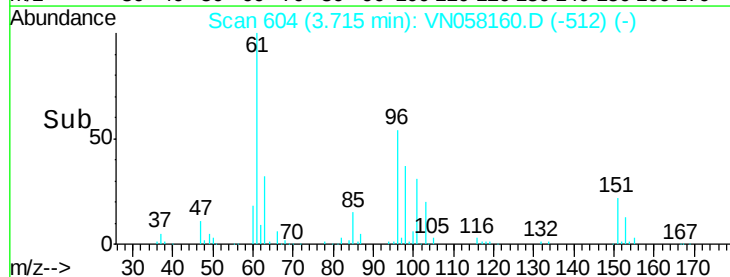
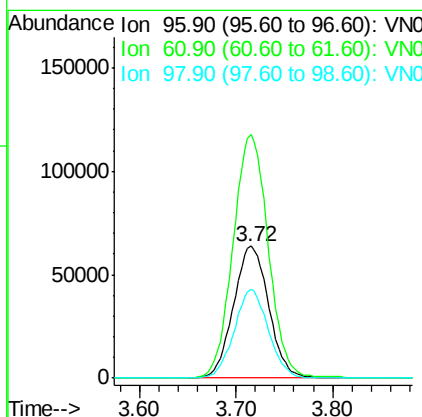
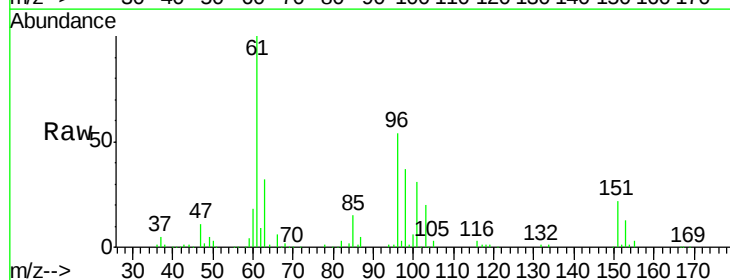
MMDadoda
9/20/2019 1:43:34 PM



#12

1,1-Dichloroethene
Concen: 45.827 ug/l
RT: 3.72 min Scan# 604
Delta R.T. -0.00 min
Lab File: VN058160.D
Acq: 18 Sep 2019 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	162077		
61	184.9		149.5	224.3
98	67.5		52.4	78.6





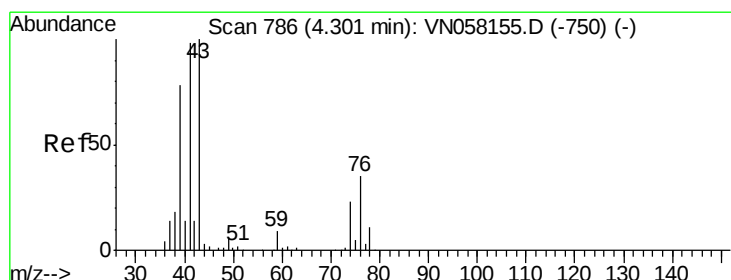
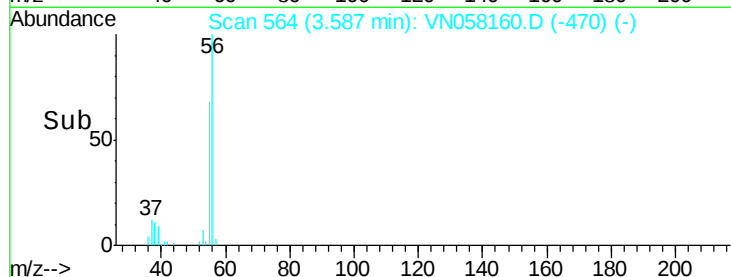
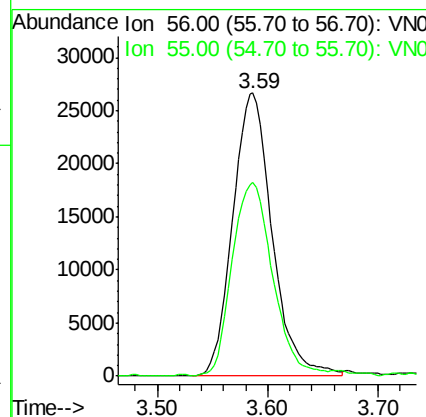
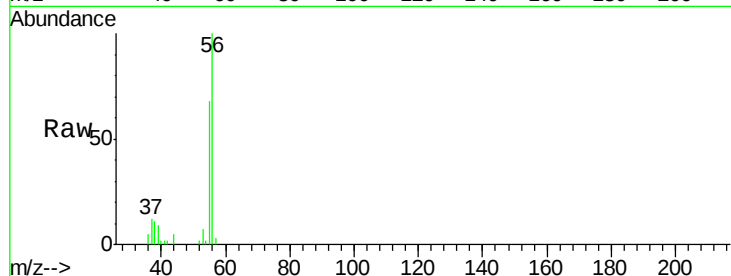
#13
 Acrolein
 Concen: 467.044 ug/l
 RT: 3.59 min Scan# 564
 Delta R.T. 0.00 min
 Lab File: VN058160.D
 Acq: 18 Sep 2019 14:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	70.5	56.1	84.1

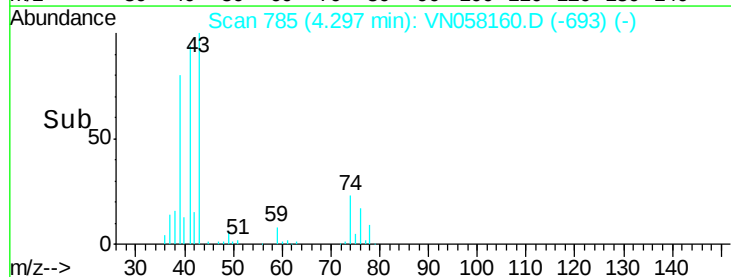
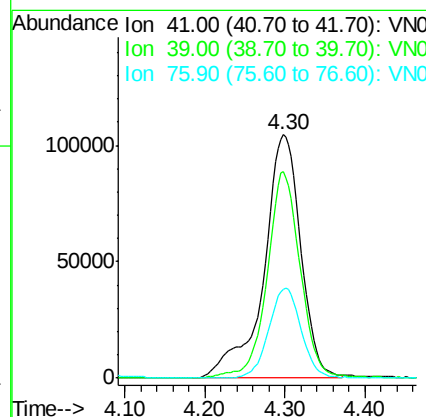
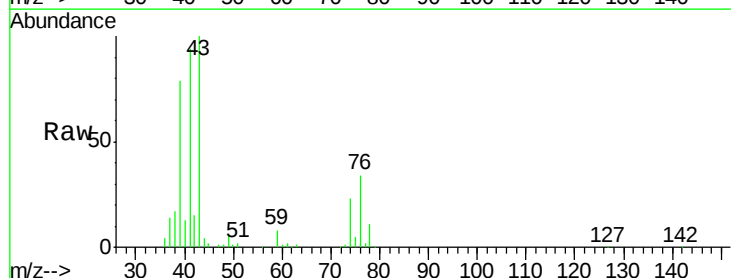
Manual Integrations
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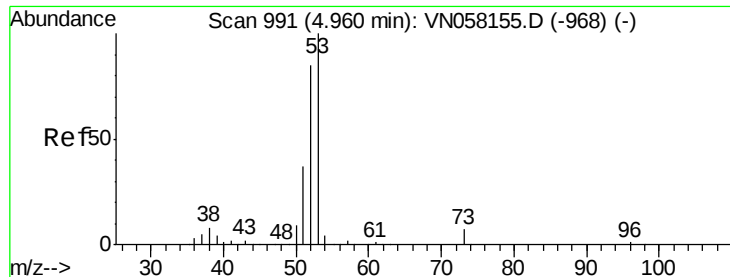
MMDadoda
 9/20/2019 1:43:34 PM



#14
 Allyl chloride
 Concen: 44.175 ug/l
 RT: 4.30 min Scan# 785
 Delta R.T. -0.00 min
 Lab File: VN058160.D
 Acq: 18 Sep 2019 14:06

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	76.0	59.1	88.7
76	76	32.3	25.1	37.7





#15

Acrylonitrile

Concen: 238.070 ug/l

RT: 4.96 min Scan# 990

Delta R.T. -0.00 min

Lab File: VN058160.D

Acq: 18 Sep 2019 14:06

Instrument :

MSVOA_N

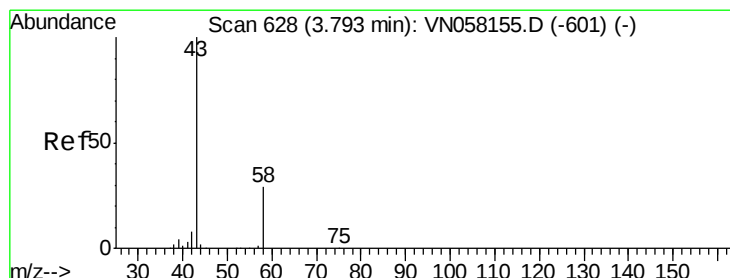
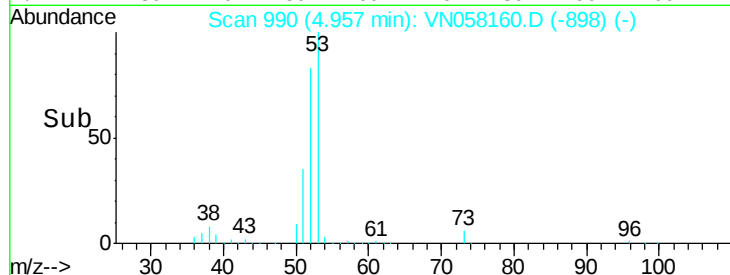
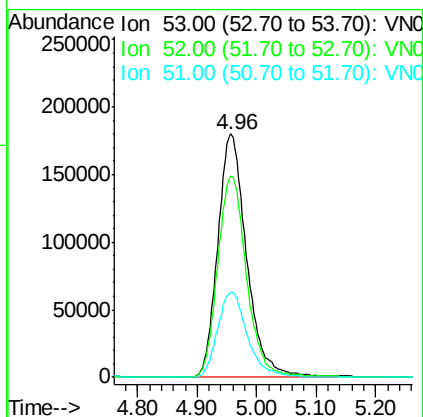
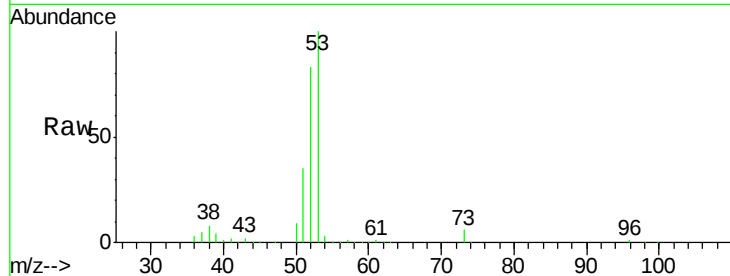
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	605407
Ion Ratio	Lower	Upper	
53	100		
52	82.7	66.6	100.0
51	36.1	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 218.133 ug/l

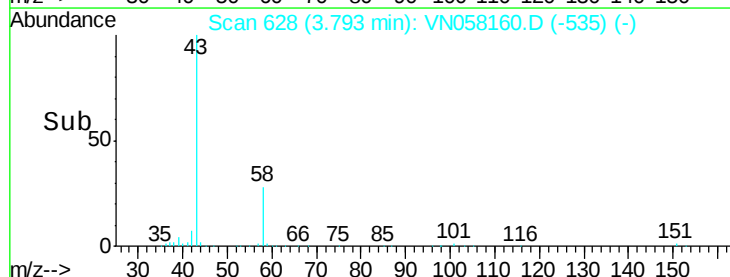
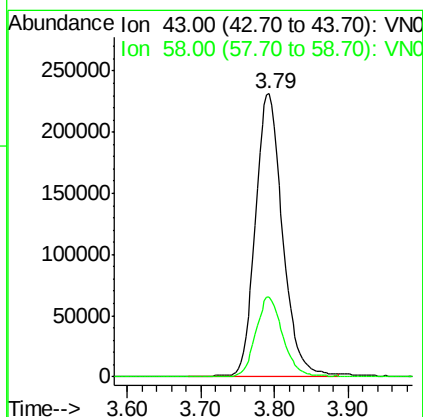
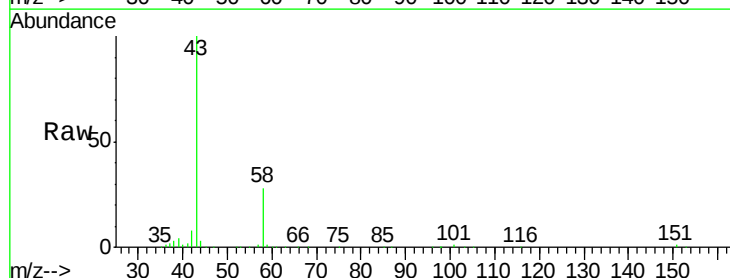
RT: 3.79 min Scan# 628

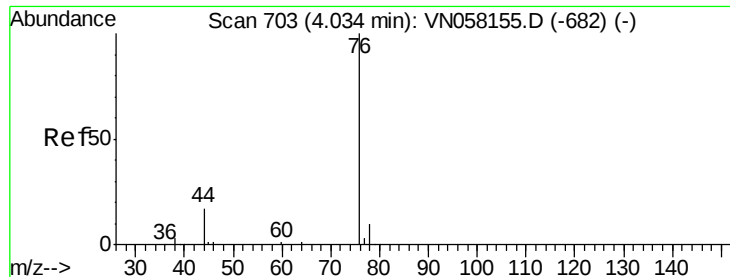
Delta R.T. -0.00 min

Lab File: VN058160.D

Acq: 18 Sep 2019 14:06

Tgt Ion:	43	Resp:	594120
Ion Ratio	Lower	Upper	
43	100		
58	28.3	23.4	35.2





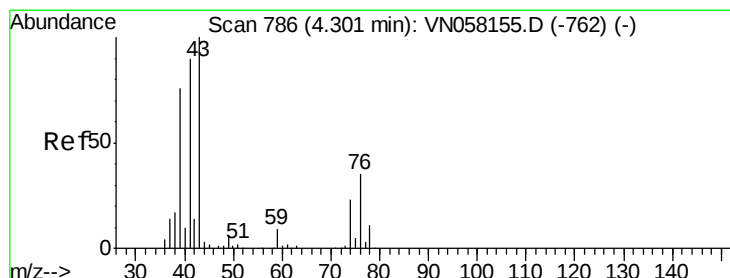
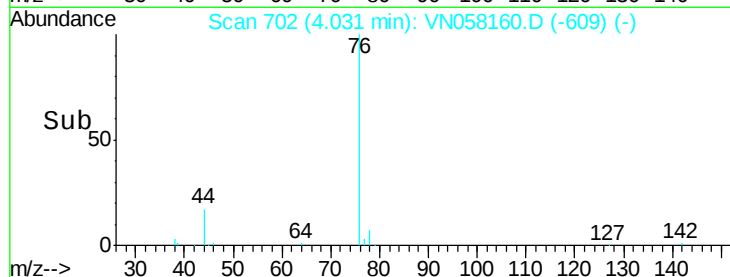
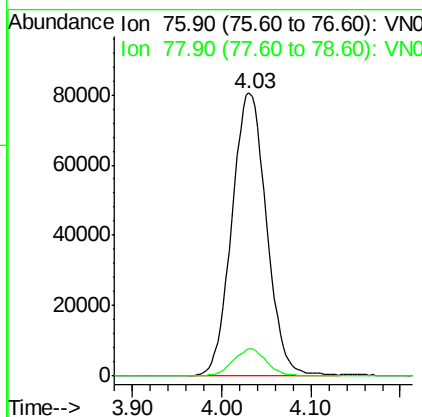
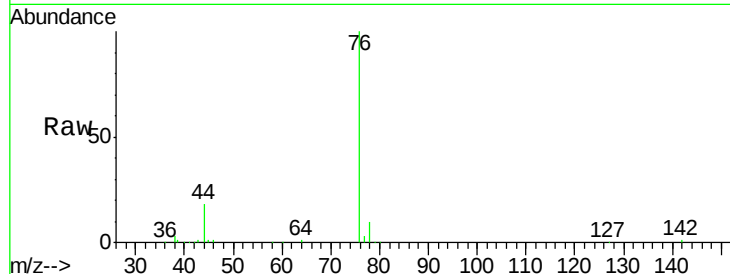
#17
Carbon Disulfide
Concen: 43.762 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN058160.D
Acq: 18 Sep 2019 14:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.7	11.5

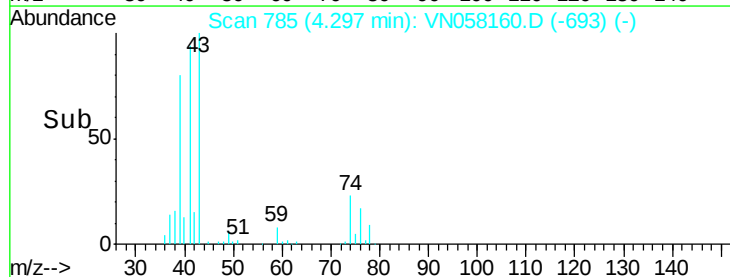
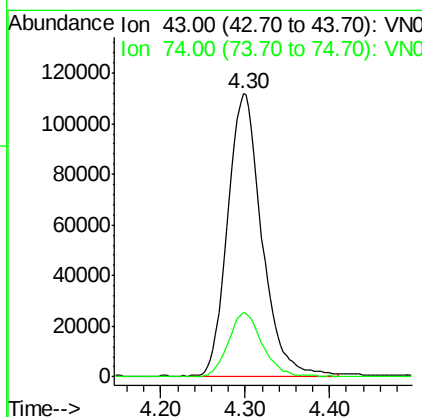
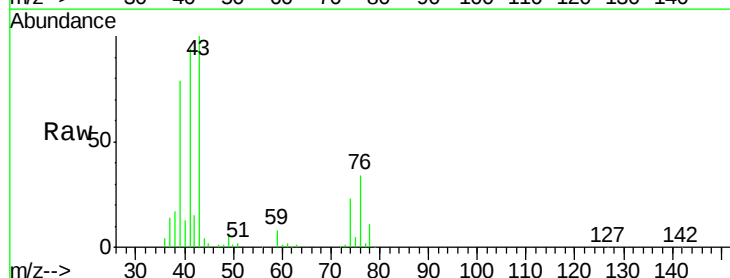
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9/20/2019 1:43:34 PM



#18
Methyl Acetate
Concen: 43.655 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN058160.D
Acq: 18 Sep 2019 14:06

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.6	18.0	27.0





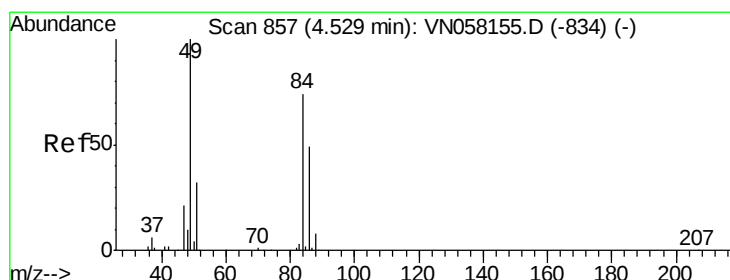
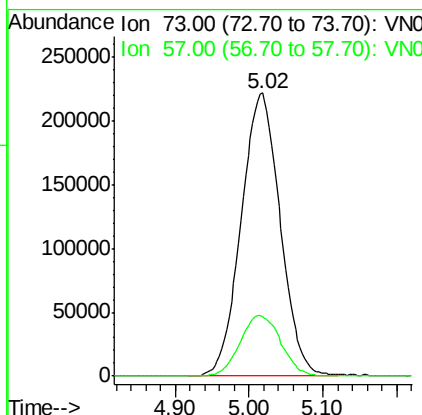
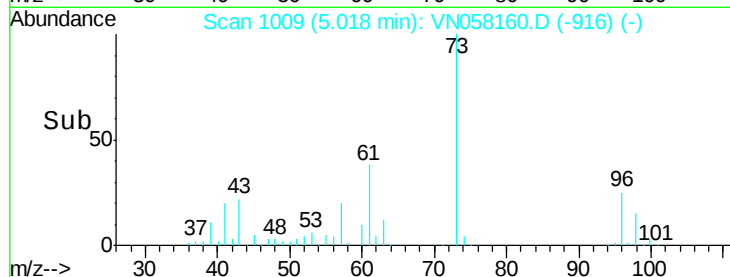
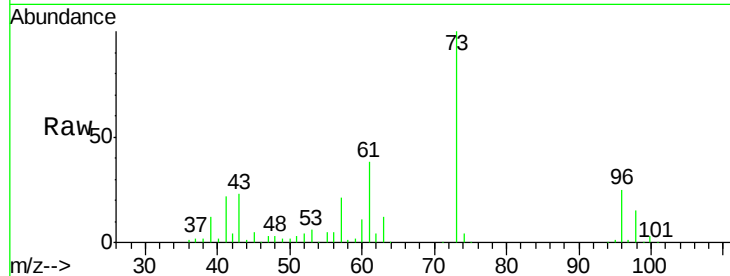
#19
Methvl tert-butvl Ether
Concen: 46.503 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058160.D
Acq: 18 Sep 2019 14:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 816886
Ion Ratio Lower Upper
73 100
57 21.2 18.1 27.1

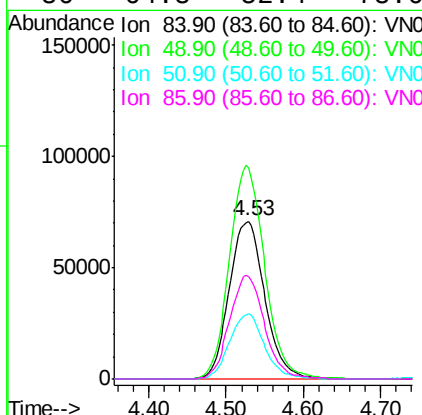
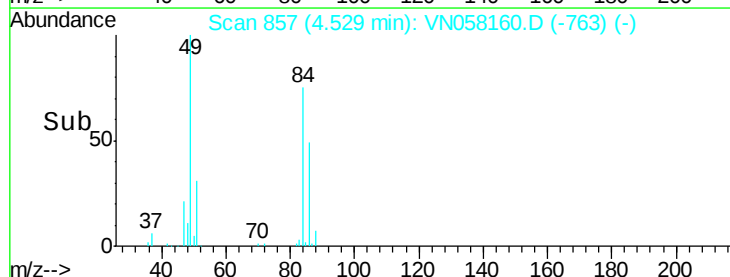
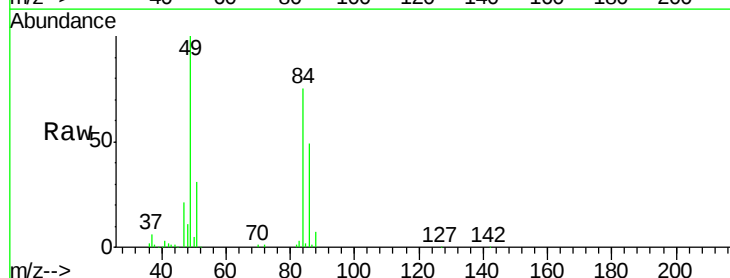
Manual Integrations
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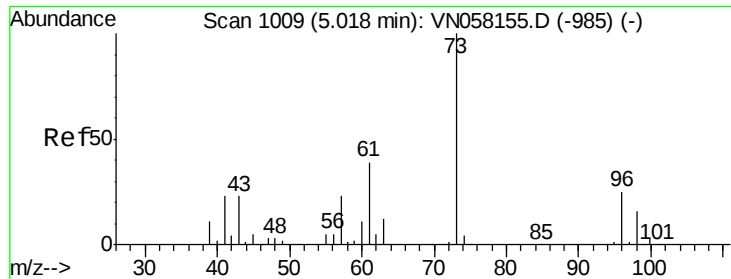
MMDadoda
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#20
Methylene Chloride
Concen: 47.460 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058160.D
Acq: 18 Sep 2019 14:06

Tgt Ion: 84 Resp: 226370
Ion Ratio Lower Upper
84 100
49 133.4 107.5 161.3
51 41.4 33.9 50.9
86 64.8 52.4 78.6





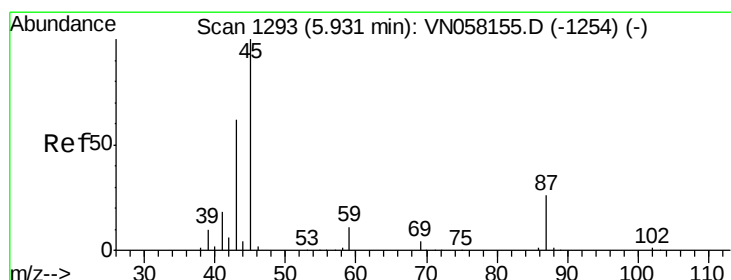
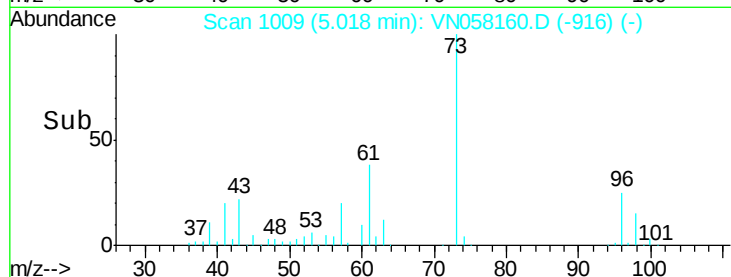
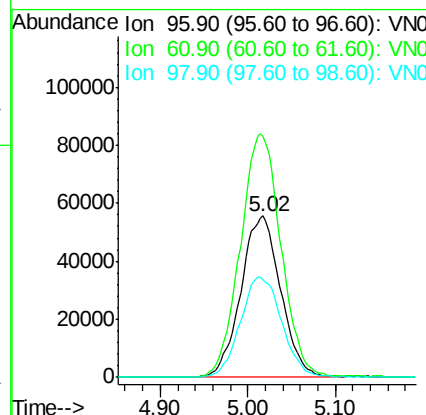
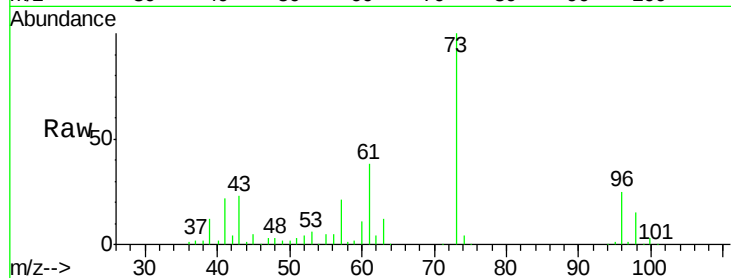
#21
trans-1,2-Dichloroethene
Concen: 45.654 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058160.D
Acq: 18 Sep 2019 14:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.5	122.2	183.4
98	60.9	49.9	74.9

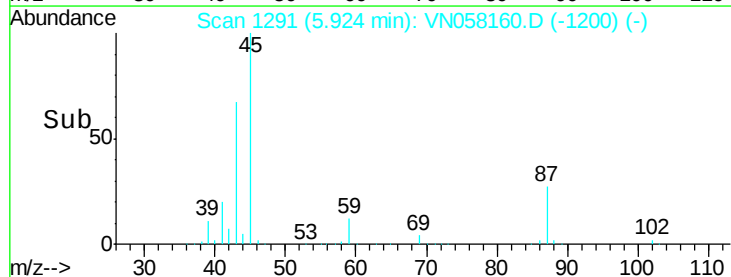
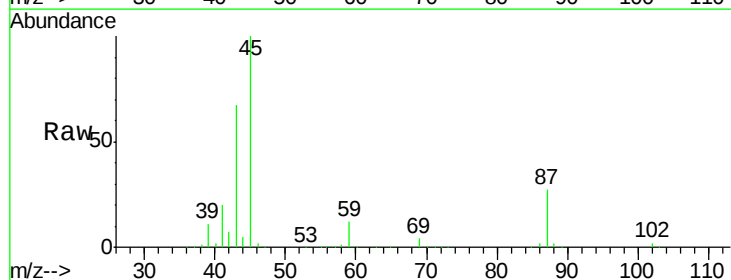
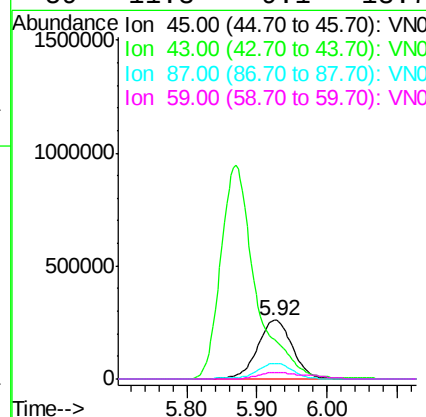
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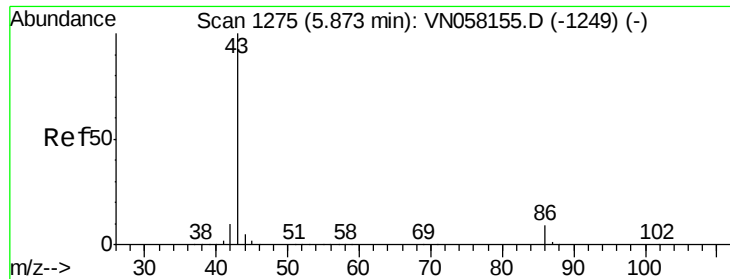
MMDadoda
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#22
Diisopropyl ether
Concen: 46.581 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. -0.01 min
Lab File: VN058160.D
Acq: 18 Sep 2019 14:06

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.0	49.7	74.5
87	26.5	20.7	31.1
59	11.3	9.1	13.7





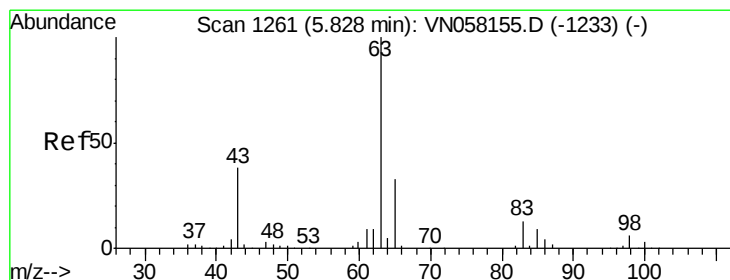
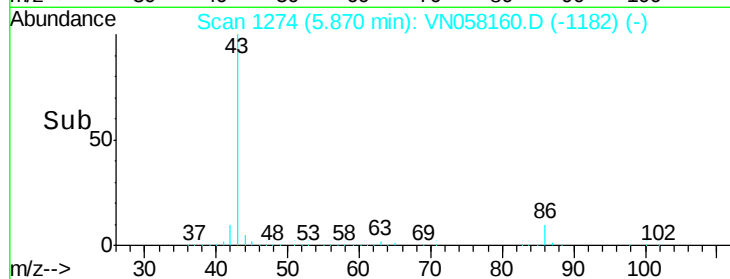
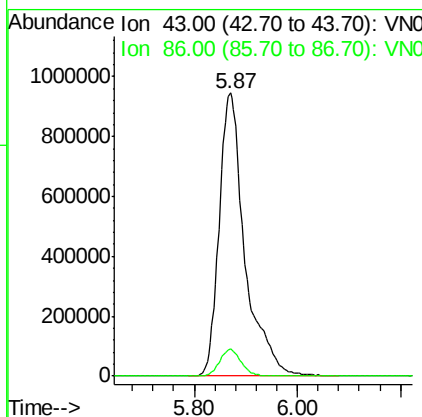
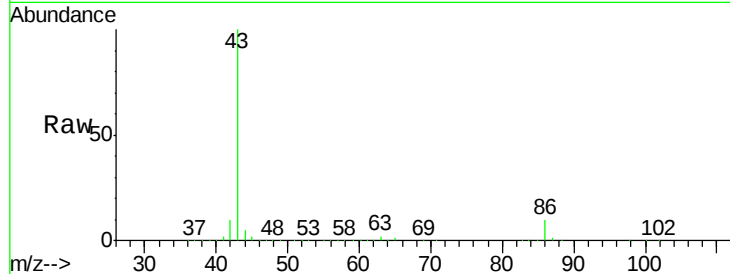
#23
 Vinyl Acetate
 Concen: 247.187 ug/l
 RT: 5.87 min Scan# 1274
 Delta R.T. -0.00 min
 Lab File: VN058160.D
 Acq: 18 Sep 2019 14:06

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050

Tot Ion: 43 Resp: 3274356
 Ion Ratio Lower Upper
 43 100
 86 9.5 7.4 11.2

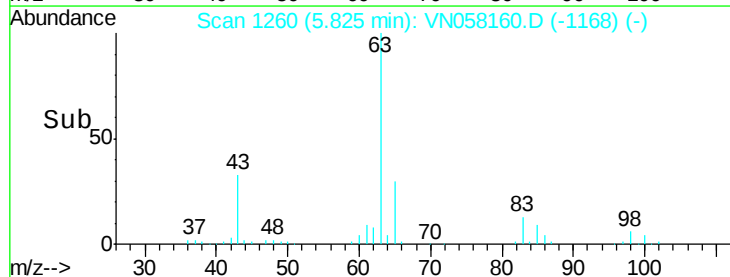
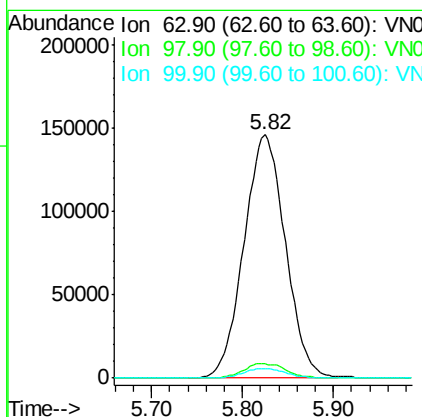
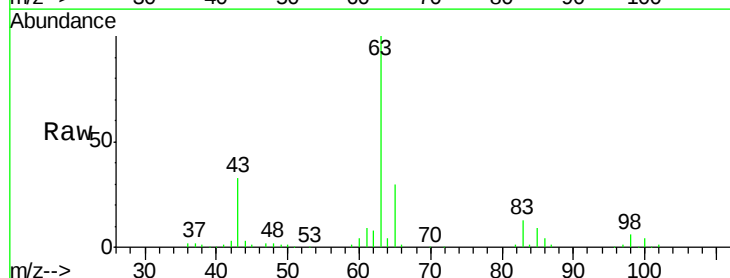
Manual Integrations
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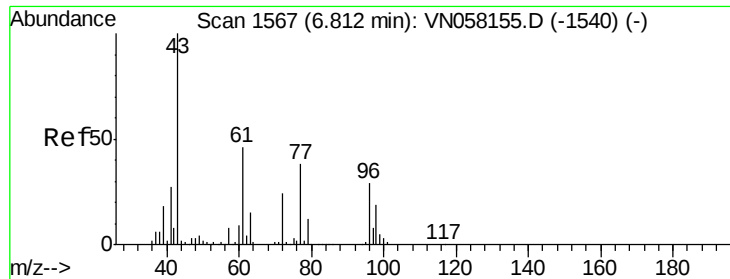
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 44.760 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VN058160.D
 Acq: 18 Sep 2019 14:06

Tgt Ion: 63 Resp: 462470
 Ion Ratio Lower Upper
 63 100
 98 5.9 2.9 8.6
 100 3.8 1.8 5.3





#25

2-Butanone

Concen: 234.168 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN058160.D

Acq: 18 Sep 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 868918

Ion Ratio Lower Upper

43 100

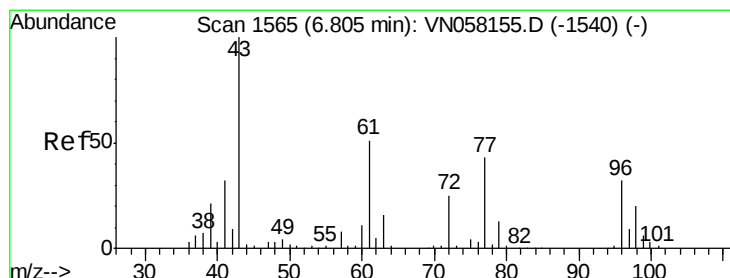
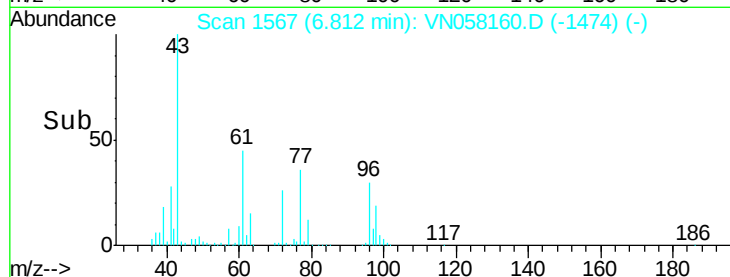
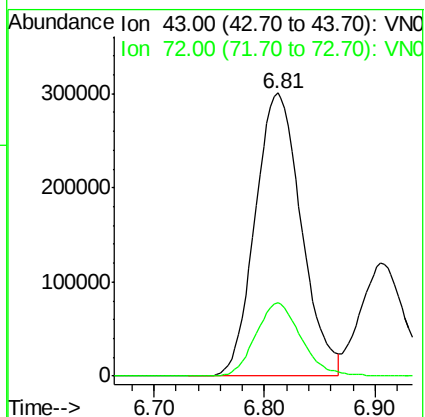
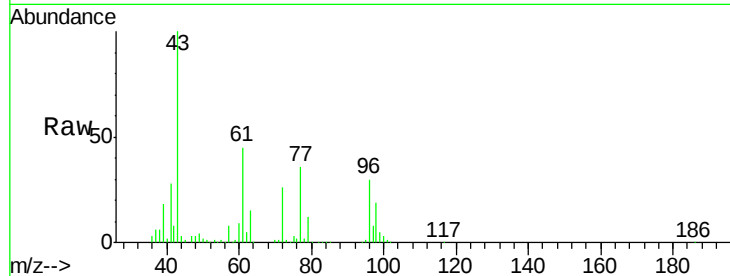
72 25.9 19.5 29.3

Manual Integrations

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9/20/2019 1:43:34 PM



#26

2,2-Dichloropropane

Concen: 44.831 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058160.D

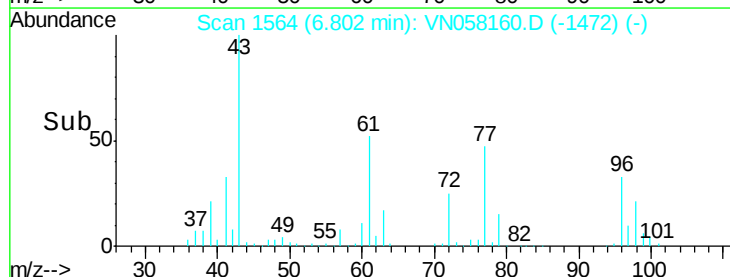
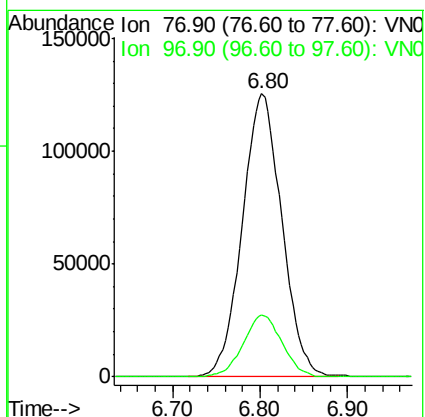
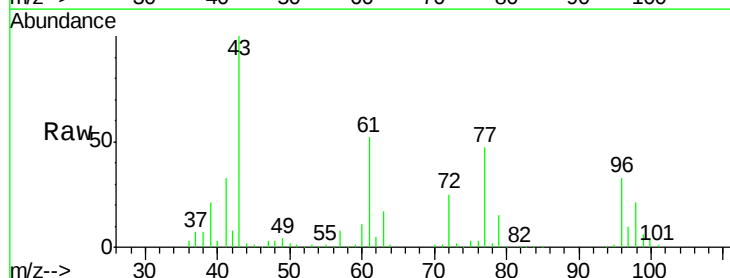
Acq: 18 Sep 2019 14:06

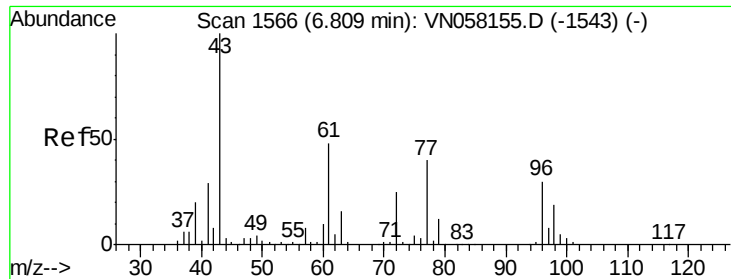
Tgt Ion: 77 Resp: 392965

Ion Ratio Lower Upper

77 100

97 21.6 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 45.497 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN058160.D

Acq: 18 Sep 2019 14:06

Instrument :

MSVOA_N

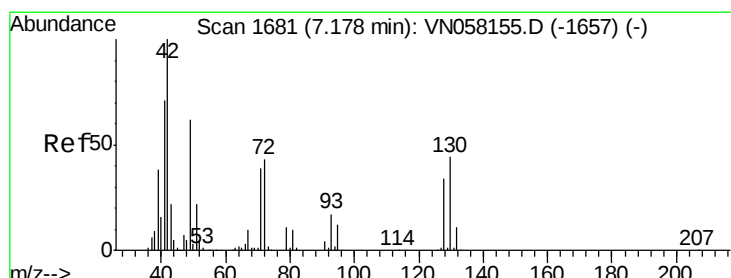
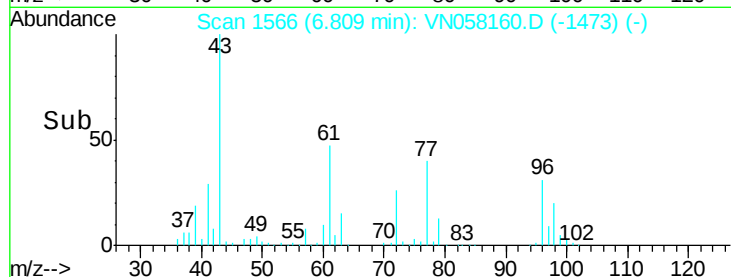
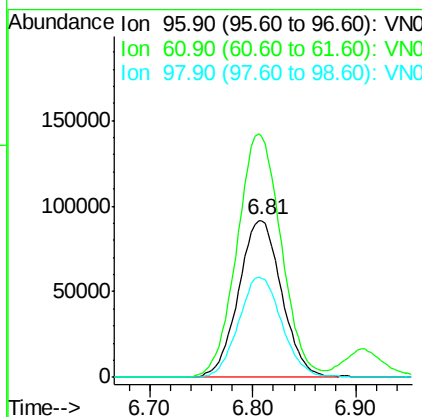
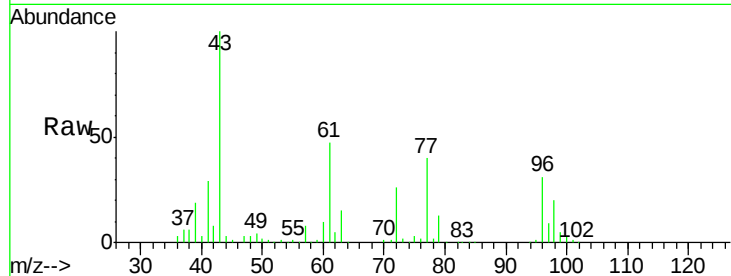
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	265801
Ion Ratio	Lower	Upper	
96	100		
61	158.8	0.0	319.0
98	64.1	0.0	126.6

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#28

Bromochloromethane

Concen: 49.383 ug/l

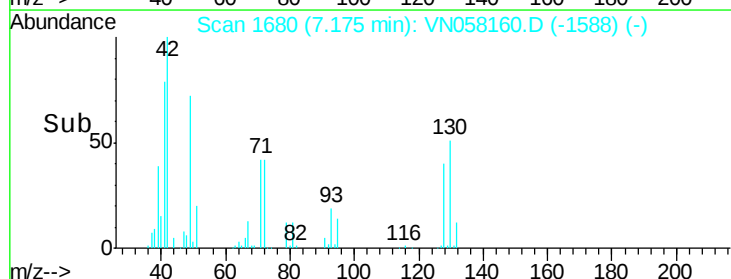
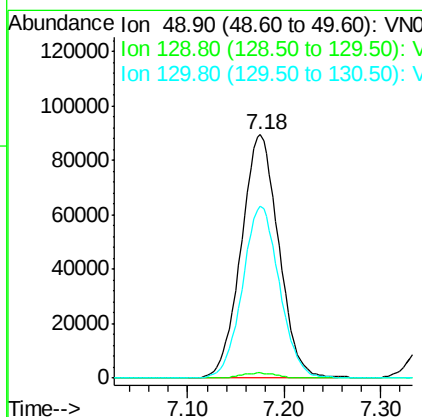
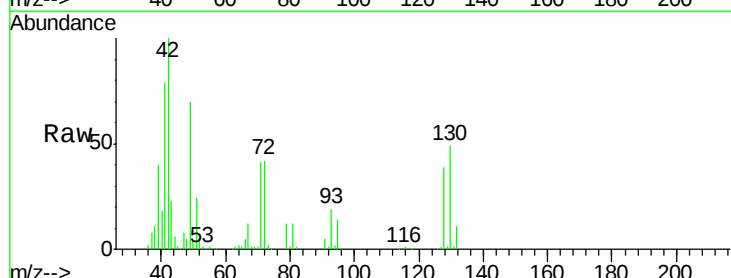
RT: 7.18 min Scan# 1680

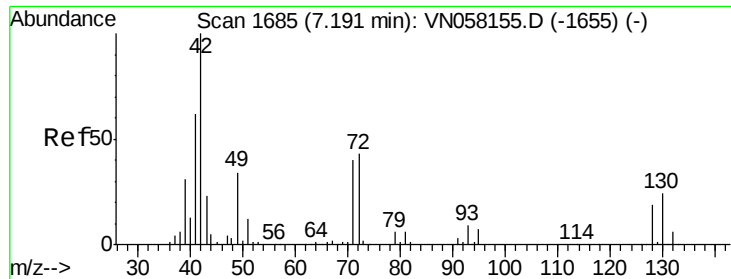
Delta R.T. -0.00 min

Lab File: VN058160.D

Acq: 18 Sep 2019 14:06

Tgt Ion:	49	Resp:	241373
Ion Ratio	Lower	Upper	
49	100		
129	1.9	0.0	1.8#
130	69.5	55.4	83.2





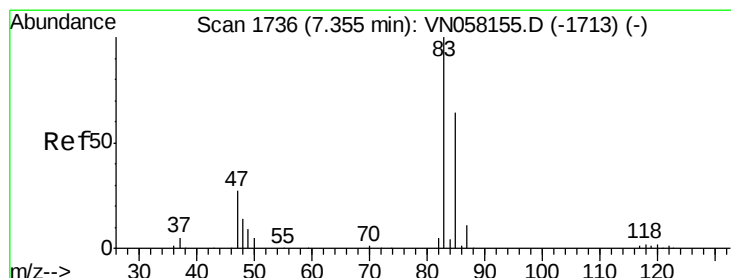
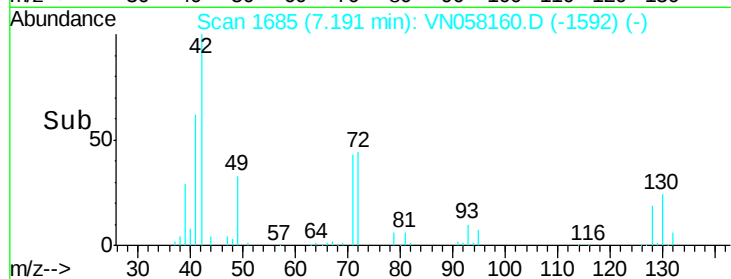
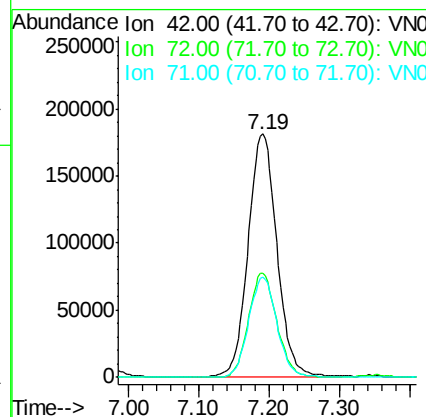
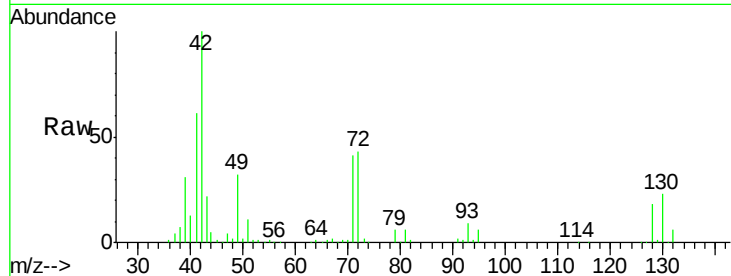
#29
Tetrahydrofuran
Concen: 225.389 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VN058160.D
Acq: 18 Sep 2019 14:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.2	33.8	50.6
71	40.5	31.4	47.0

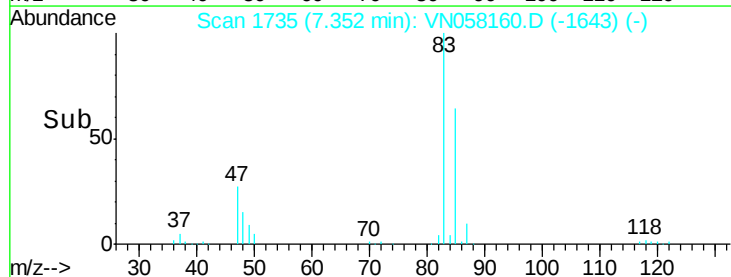
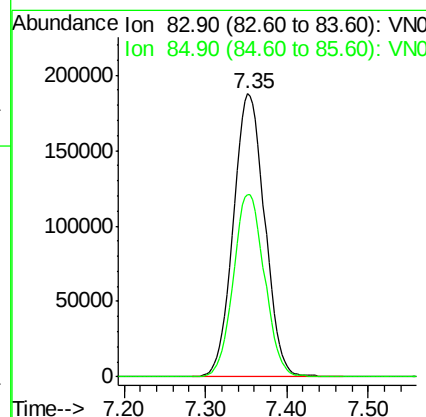
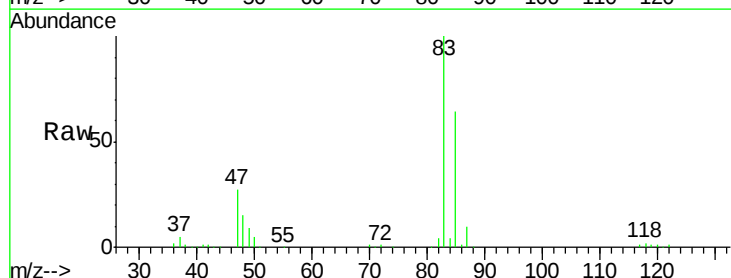
Manual Integrations
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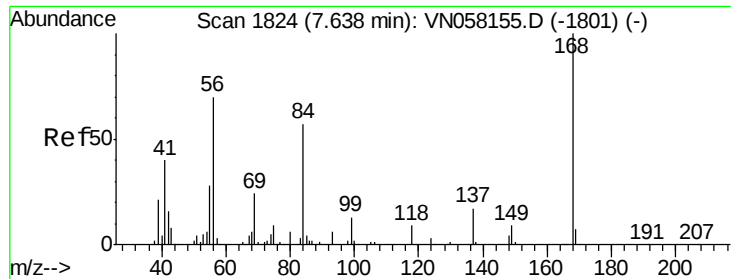
MMDadoda
9/20/2019 1:43:34 PM



#30
Chloroform
Concen: 45.289 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VN058160.D
Acq: 18 Sep 2019 14:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.4	77.2





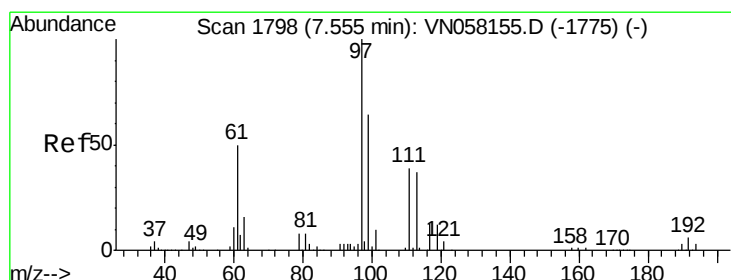
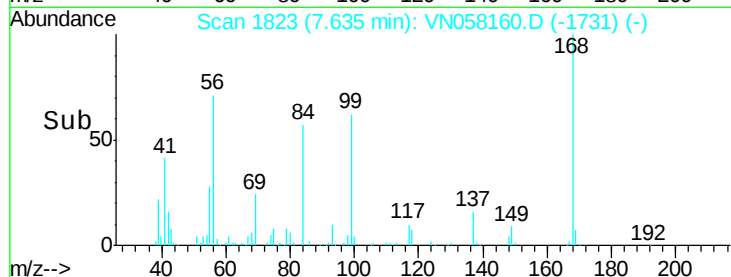
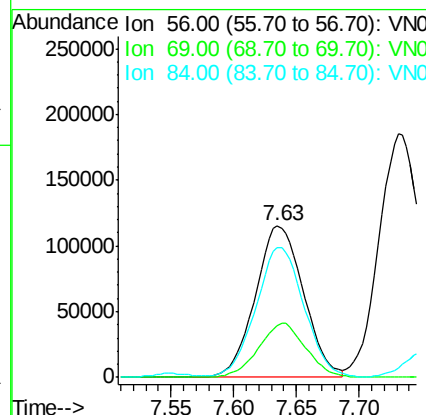
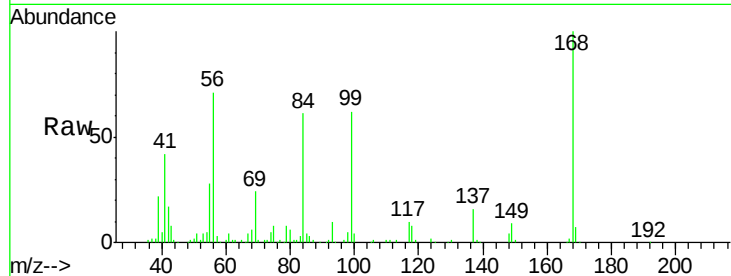
#31
Cyclohexane
Concen: 46.045 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VN058160.D
Acq: 18 Sep 2019 14:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.9	27.3	40.9
84	84.4	65.0	97.4

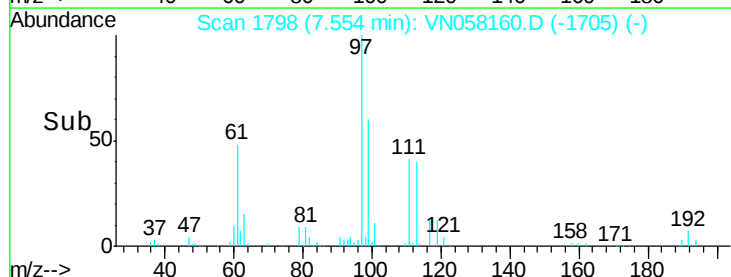
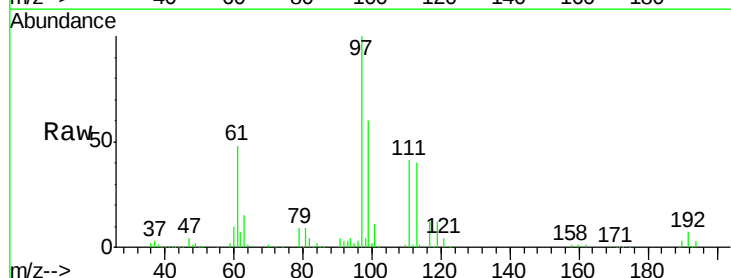
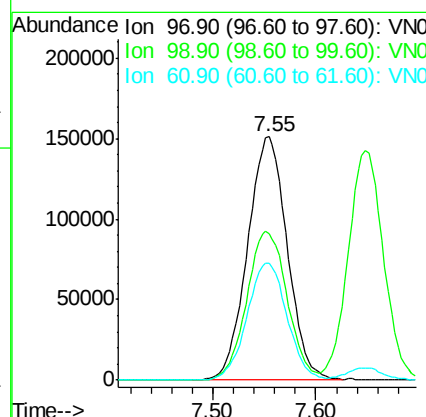
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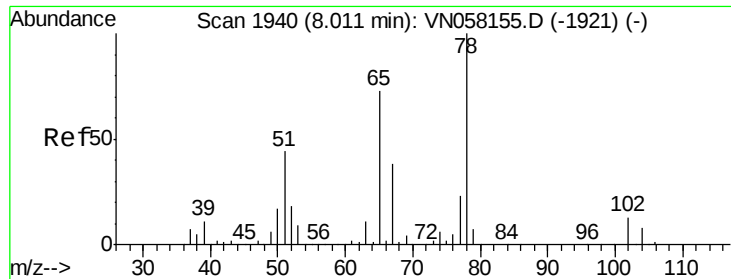
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 47.635 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN058160.D
Acq: 18 Sep 2019 14:06

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.4	50.9	76.3
61	48.6	39.2	58.8





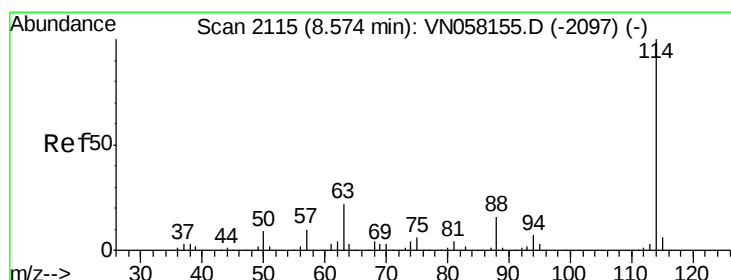
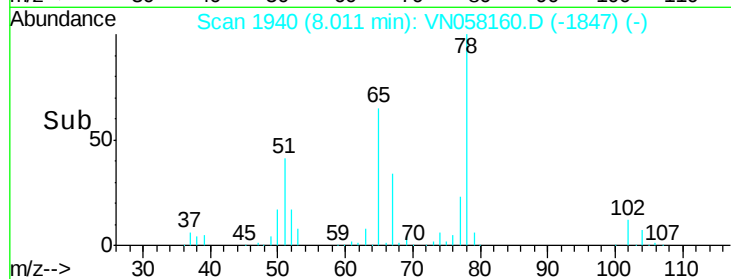
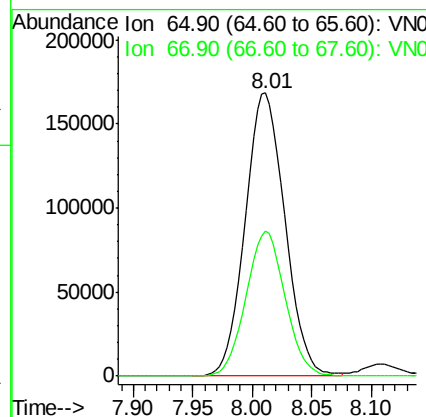
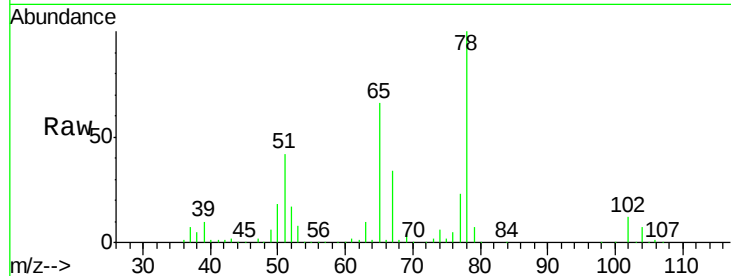
#33
 1,2-Dichloroethane-d4
 Concen: 48.654 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058160.D
 Acq: 18 Sep 2019 14:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	390399		
67	50.3	0.0	103.4	

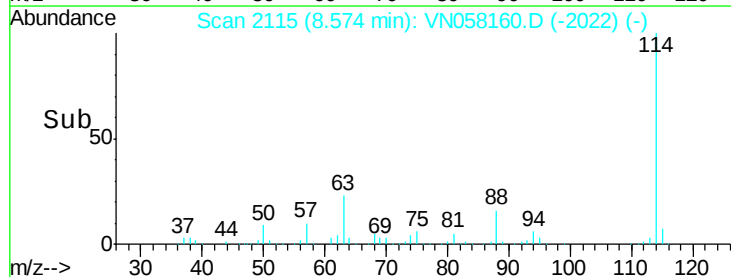
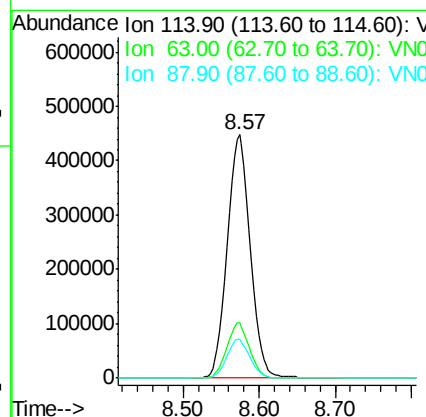
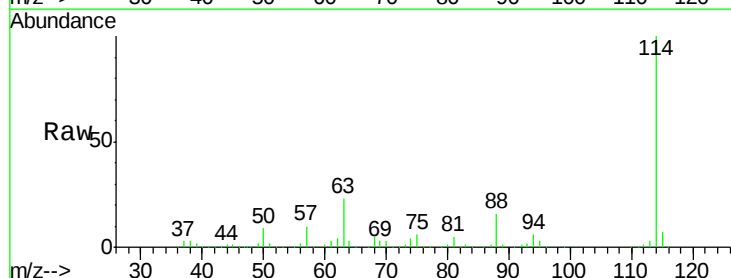
Manual Integrations
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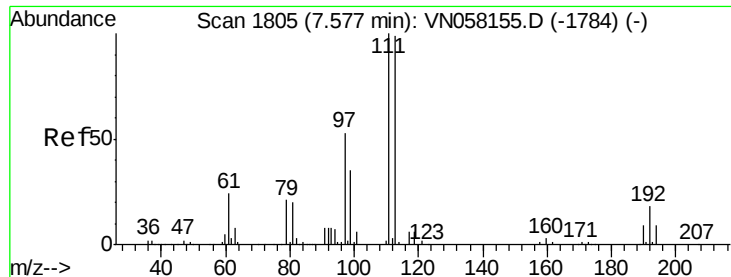
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058160.D
 Acq: 18 Sep 2019 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	944523		
63	22.7	0.0	44.2	
88	15.9	0.0	31.6	





#35

Dibromofluoromethane

Concen: 49.636 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VN058160.D

Acq: 18 Sep 2019 14:06

Instrument :

MSVOA_N

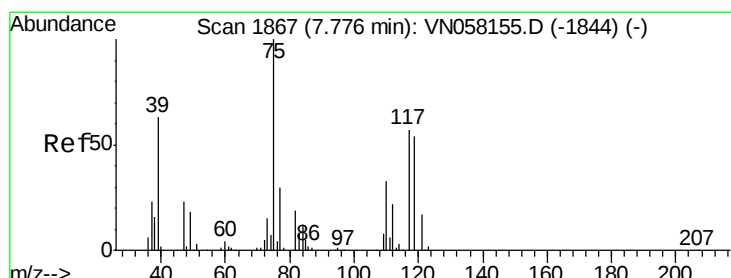
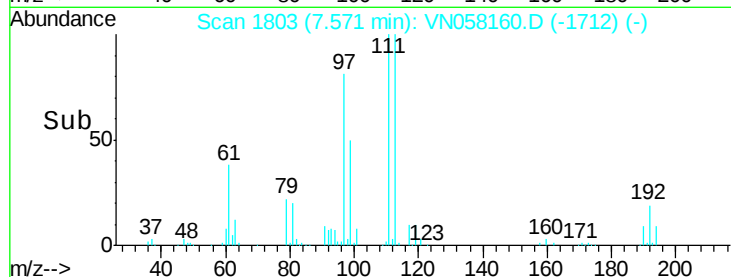
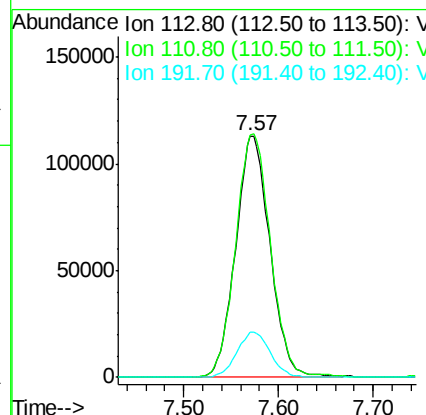
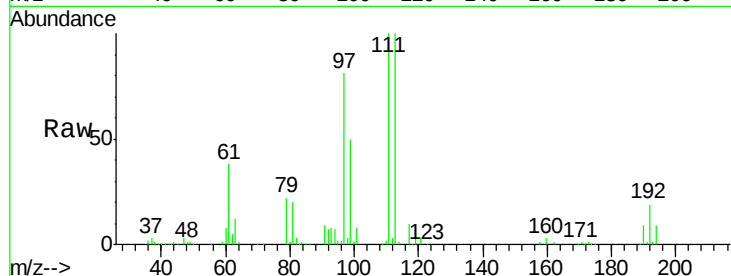
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	285006
Ion Ratio	Lower	Upper	
113	100		
111	102.7	81.8	122.6
192	18.3	14.5	21.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 44.170 ug/l

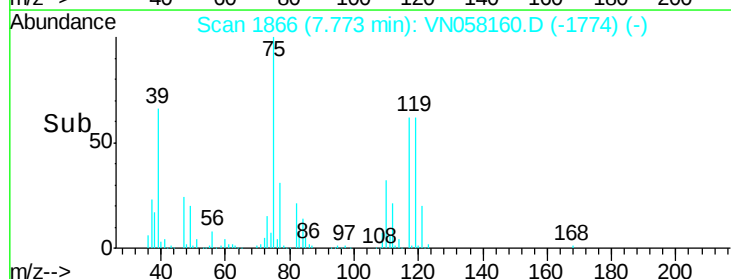
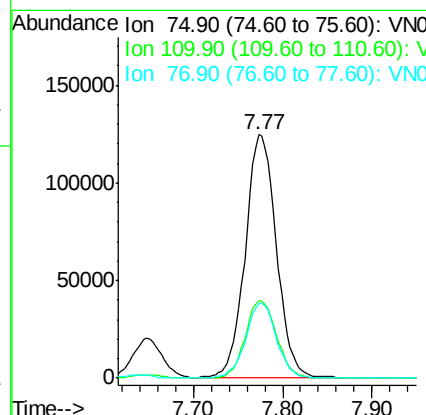
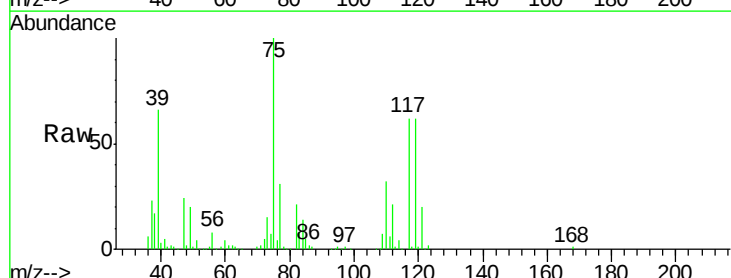
RT: 7.77 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN058160.D

Acq: 18 Sep 2019 14:06

Tgt Ion:	75	Resp:	300859
Ion Ratio	Lower	Upper	
75	100		
110	32.3	16.6	49.7
77	30.8	24.3	36.5





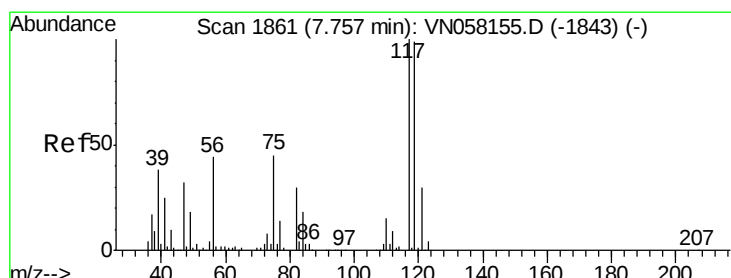
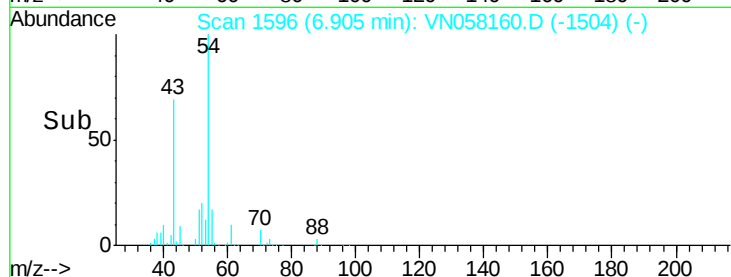
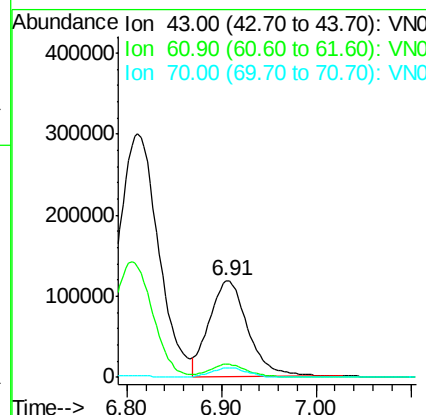
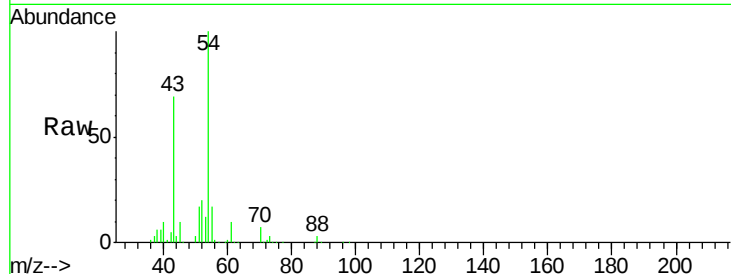
#37
Ethyl Acetate
Concen: 47.690 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VN058160.D
Acq: 18 Sep 2019 14:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.7	16.1
70	9.1	7.6	11.4

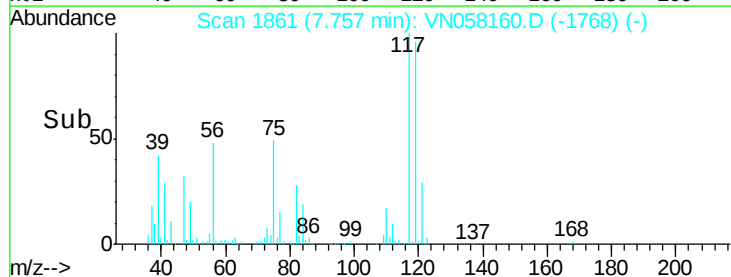
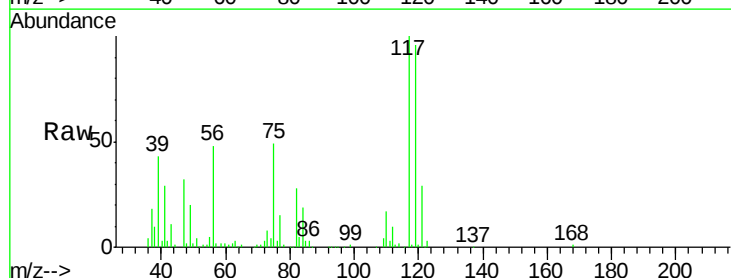
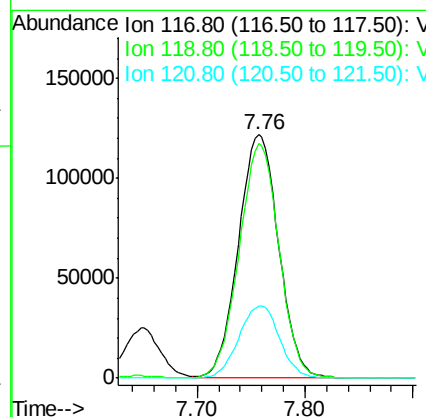
Manual Integrations
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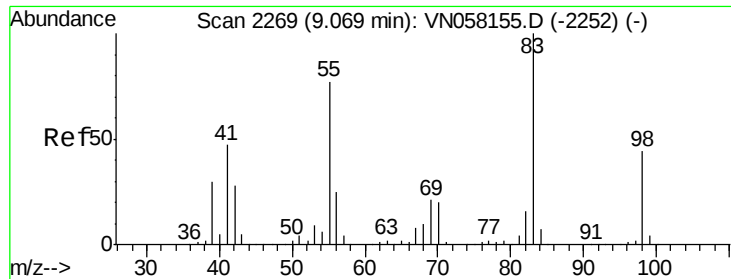
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#38
Carbon Tetrachloride
Concen: 46.140 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN058160.D
Acq: 18 Sep 2019 14:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	78.6	117.8
121	29.5	24.1	36.1





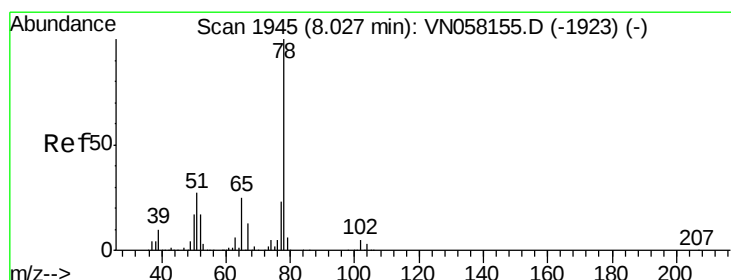
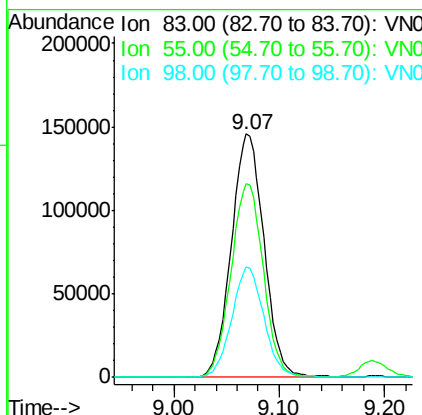
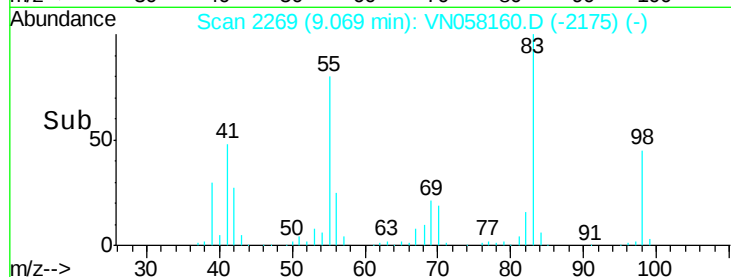
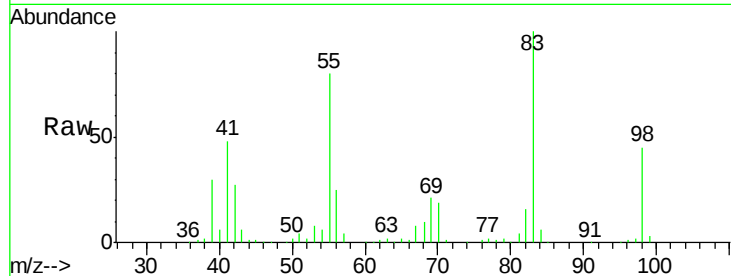
#39
Methvlcvclohexane
Concen: 47.556 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058160.D
Acq: 18 Sep 2019 14:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	79.6	61.9	92.9	
98	45.5	35.4	53.2	

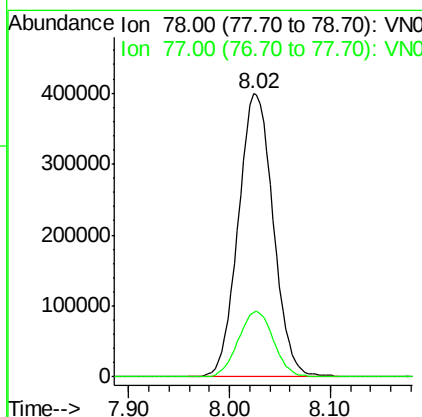
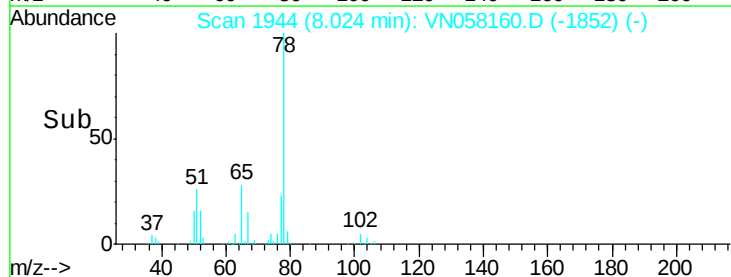
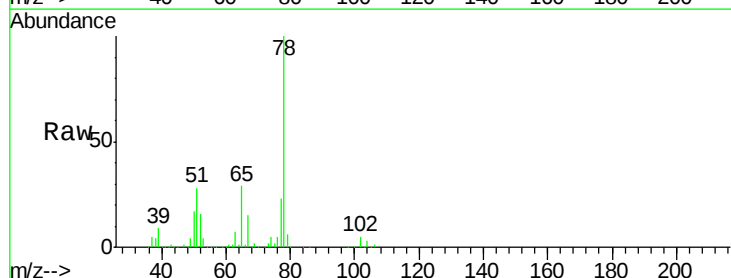
Manual Integrations
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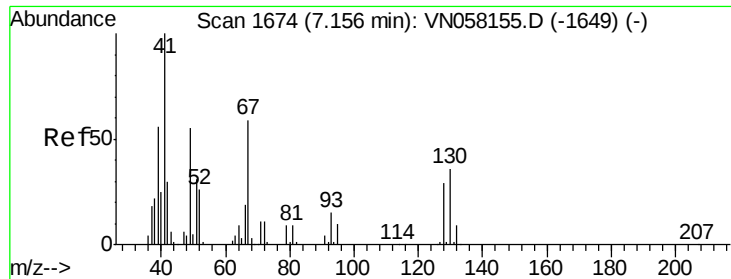
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#40
Benzene
Concen: 46.064 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN058160.D
Acq: 18 Sep 2019 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.0	18.8	28.2	





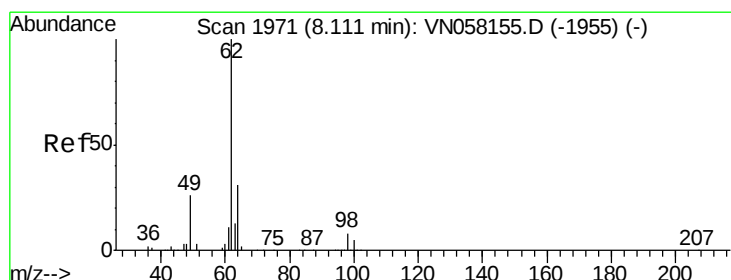
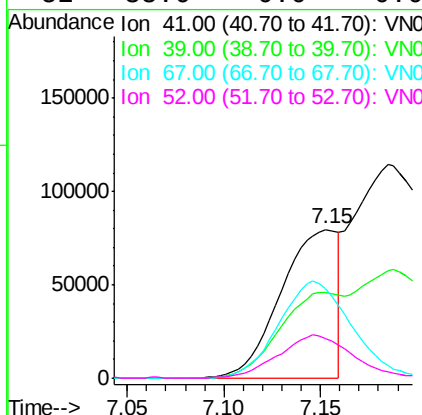
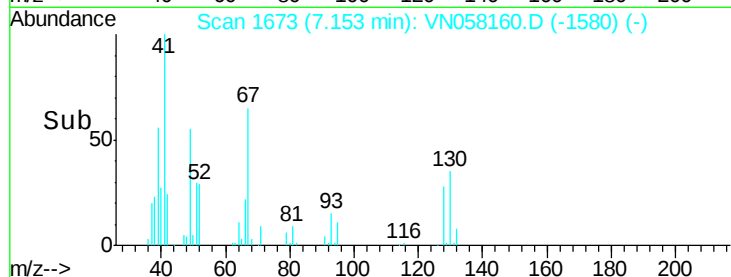
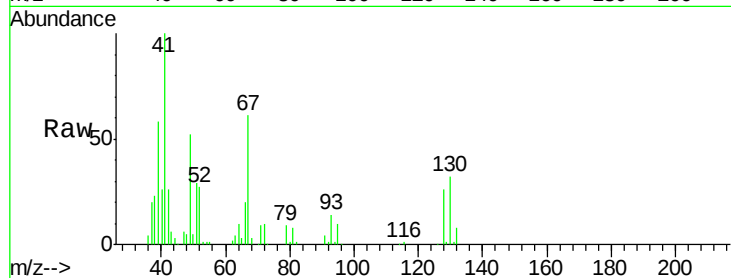
#41
Methacrylonitrile
Concen: 45.706 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. -0.00 min
Lab File: VN058160.D
Acq: 18 Sep 2019 14:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	162479
Ion Ratio	Lower	Upper	
41	100		
39	63.6	0.0	0.0#
67	84.9	0.0	0.0#
52	38.6	0.0	0.0#

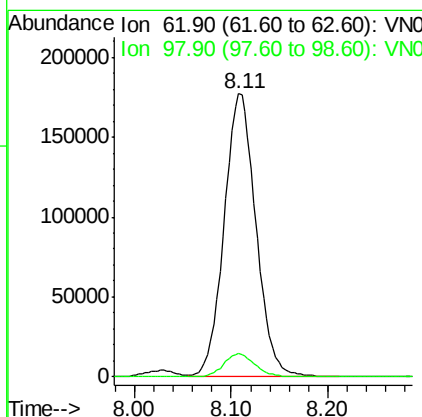
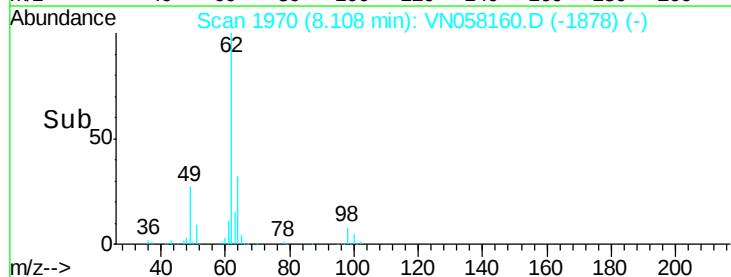
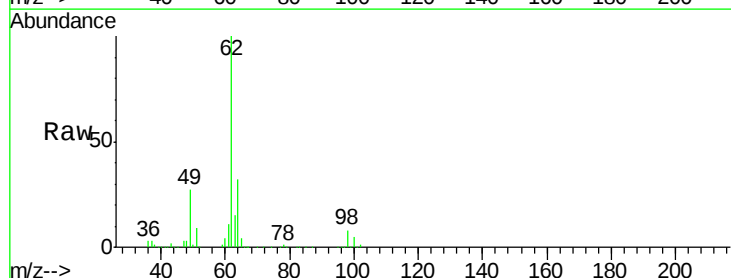
Manual Integrations
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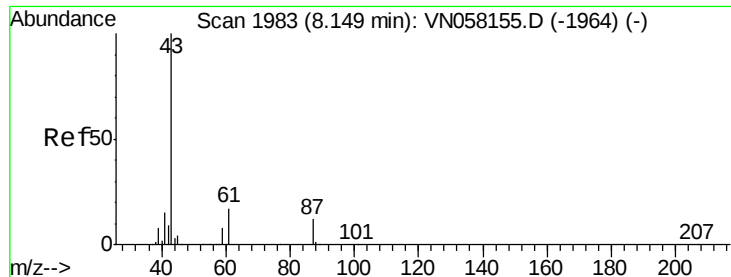
MMDadoda
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#42
1,2-Dichloroethane
Concen: 46.245 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058160.D
Acq: 18 Sep 2019 14:06

Tgt Ion	62	Resp	403702
Ion Ratio	Lower	Upper	
62	100		
98	8.1	0.0	15.6





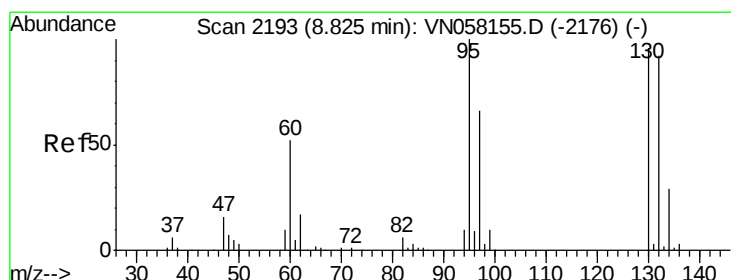
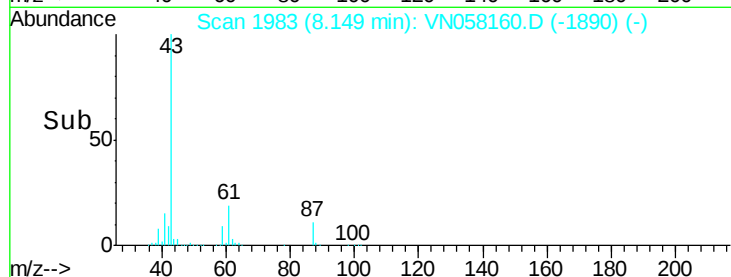
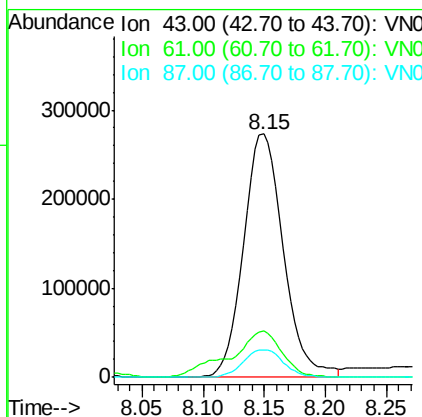
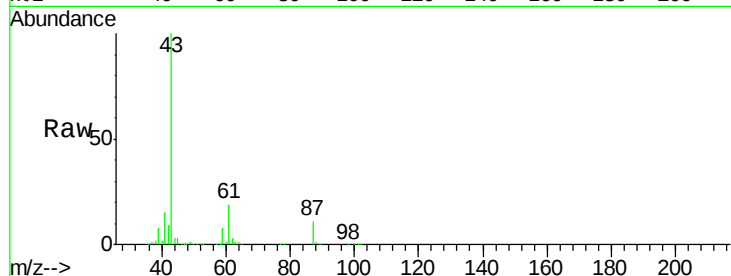
#43
Isopropyl Acetate
Concen: 46.423 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VN058160.D
Acq: 18 Sep 2019 14:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.7	19.7	29.5
87	11.5	9.4	14.2

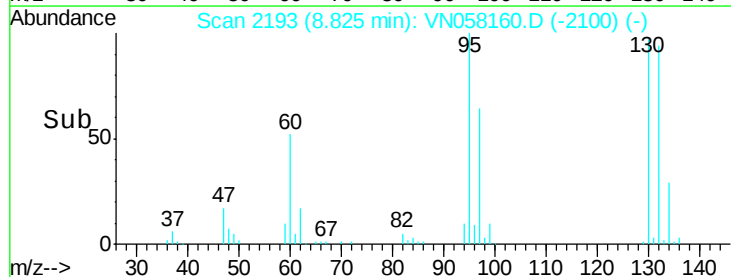
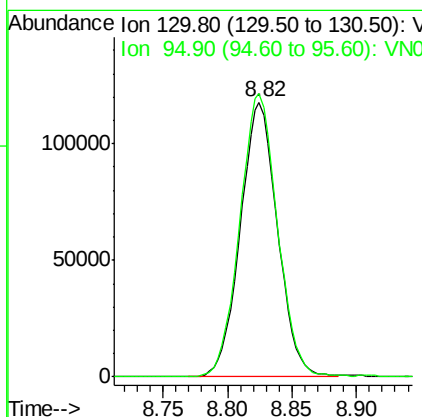
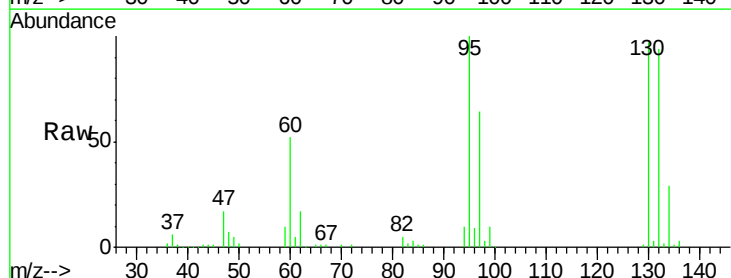
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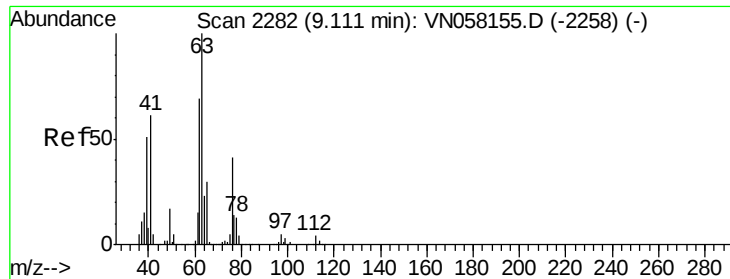
MMDadoda
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#44
Trichloroethene
Concen: 46.399 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VN058160.D
Acq: 18 Sep 2019 14:06

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.0	0.0	207.8





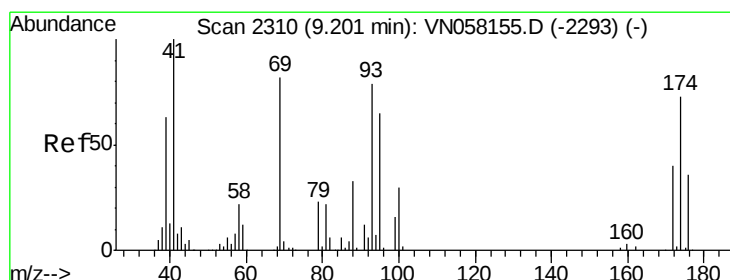
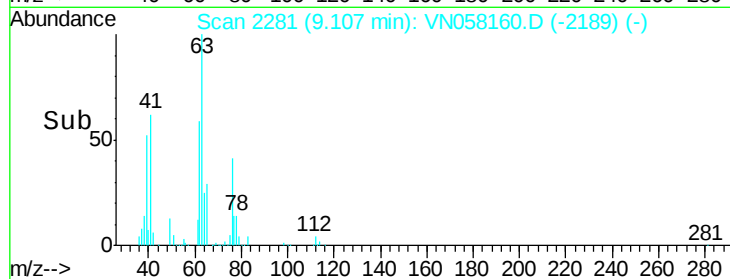
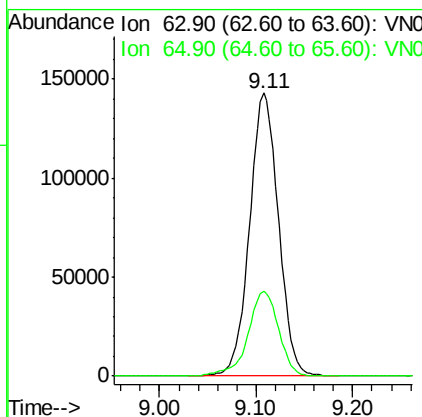
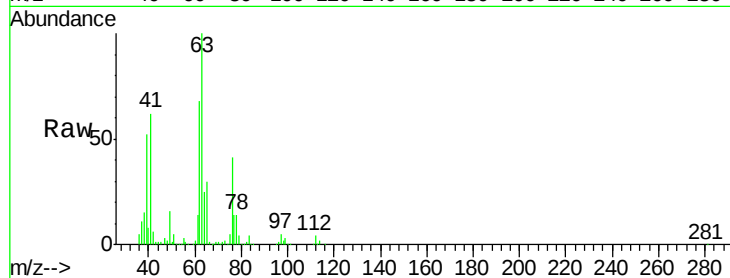
#45
 1,2-Dichloropropane
 Concen: 47.772 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058160.D
 Acq: 18 Sep 2019 14:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 296806
 Ion Ratio Lower Upper
 63 100
 65 29.8 23.8 35.6

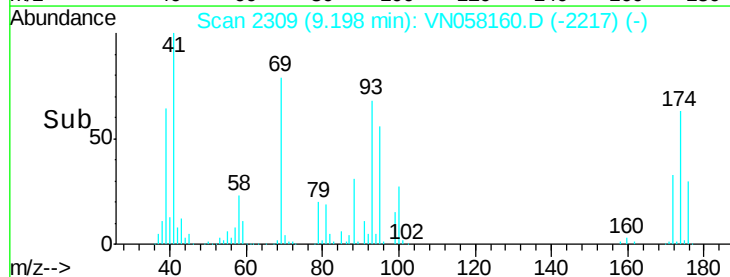
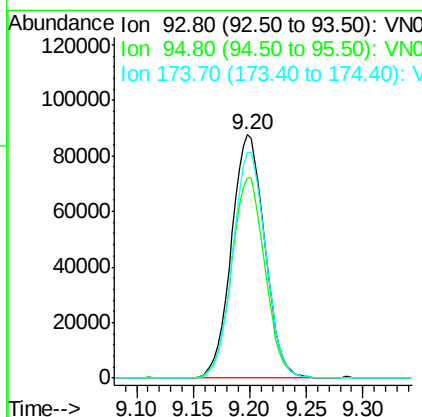
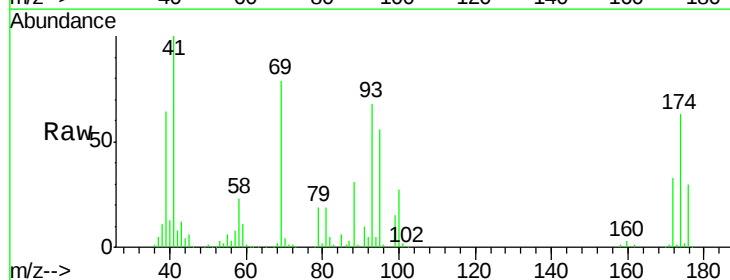
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#46
 Dibromomethane
 Concen: 47.640 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058160.D
 Acq: 18 Sep 2019 14:06

Tgt Ion: 93 Resp: 179954
 Ion Ratio Lower Upper
 93 100
 95 82.7 66.8 100.2
 174 92.0 73.8 110.8





#47

Bromodichloromethane

Concen: 49.783 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058160.D

Acq: 18 Sep 2019 14:06

Instrument :

MSVOA_N

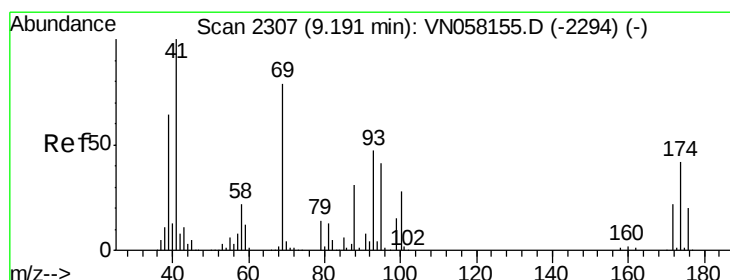
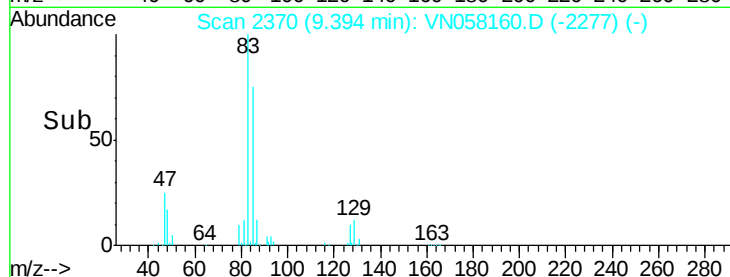
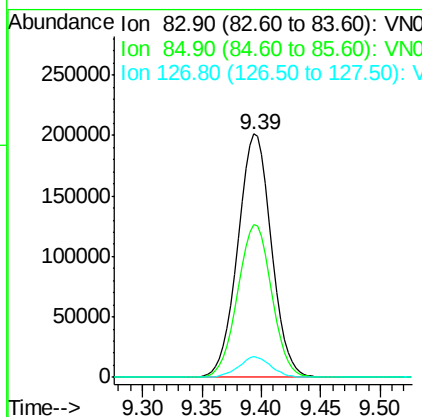
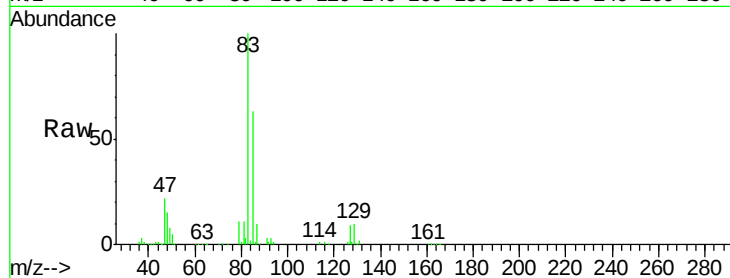
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	393958
Ion Ratio	Lower	Upper	
83	100		
85	62.7	50.1	75.1
127	8.5	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 49.144 ug/l

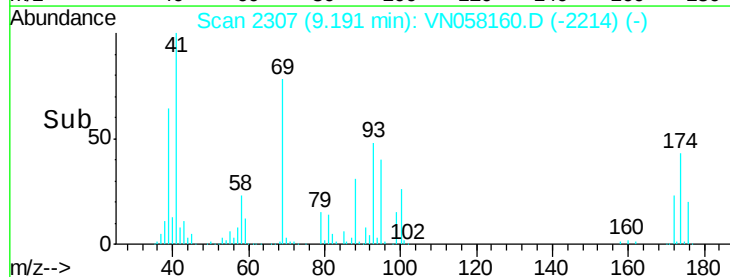
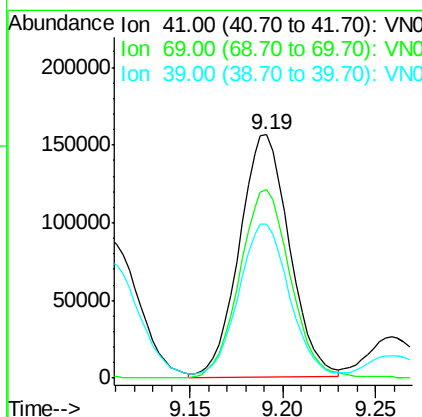
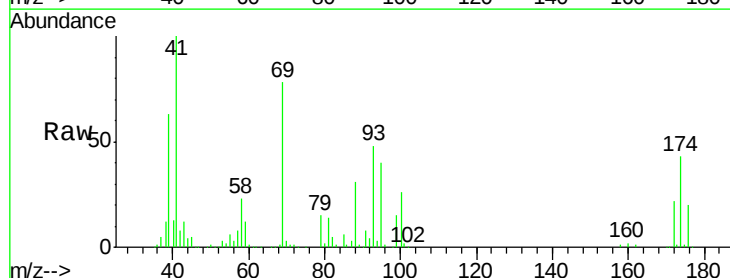
RT: 9.19 min Scan# 2307

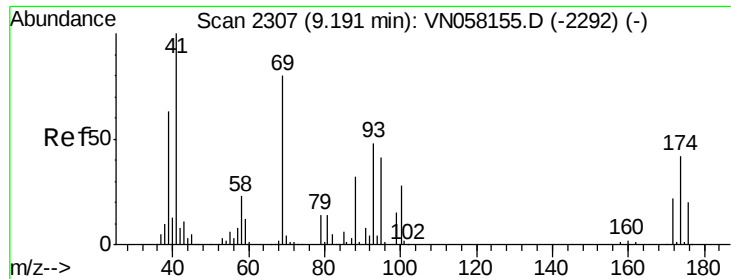
Delta R.T. -0.00 min

Lab File: VN058160.D

Acq: 18 Sep 2019 14:06

Tgt Ion:	41	Resp:	294574
Ion Ratio	Lower	Upper	
41	100		
69	78.8	62.5	93.7
39	64.4	52.3	78.5





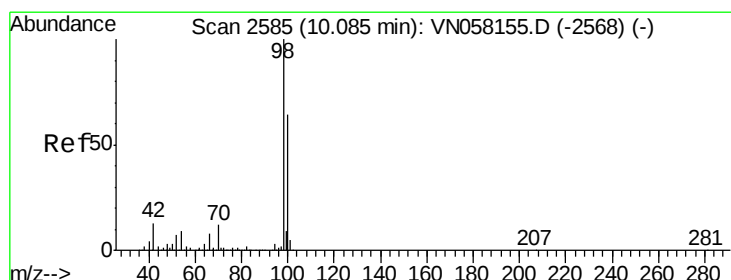
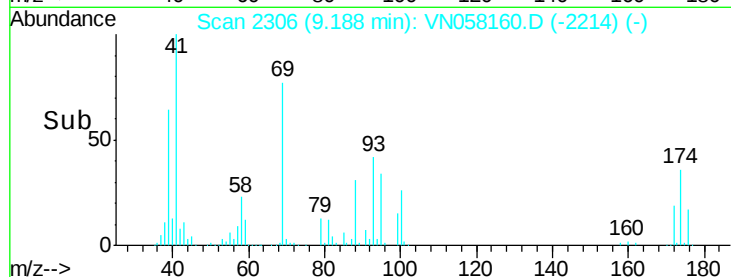
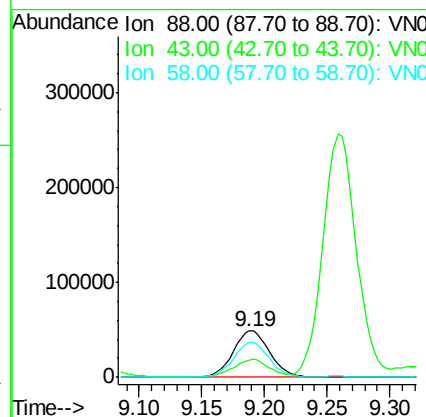
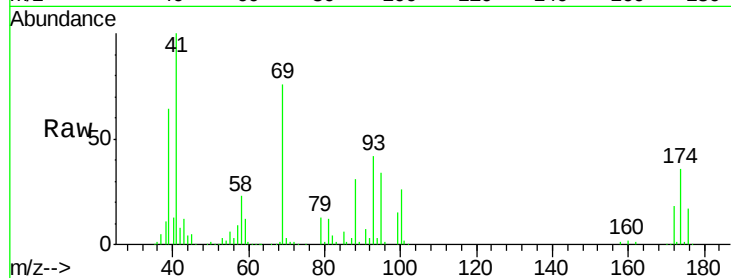
#49
1,4-Dioxane
Concen: 1012.793 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN058160.D
Acq: 18 Sep 2019 14:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.0	27.8	41.8
58	73.5	55.0	82.4

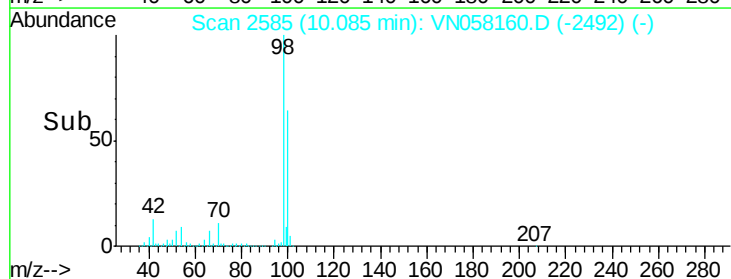
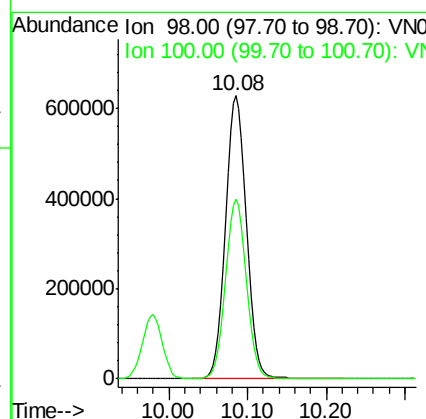
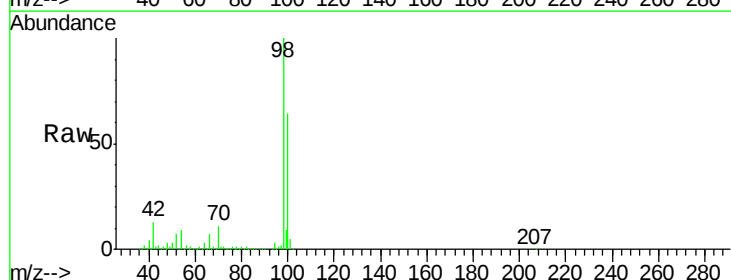
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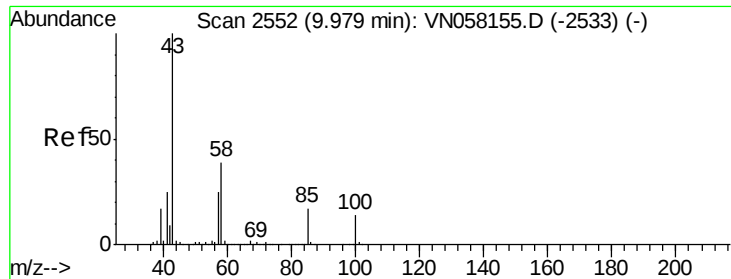
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#50
Toluene-d8
Concen: 51.447 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058160.D
Acq: 18 Sep 2019 14:06

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 263.923 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN058160.D

Acq: 18 Sep 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1850662

Ion Ratio Lower Upper

43 100

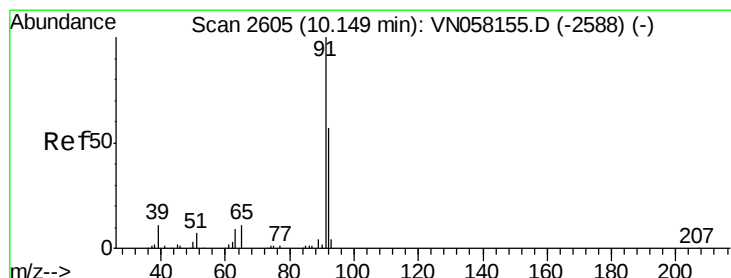
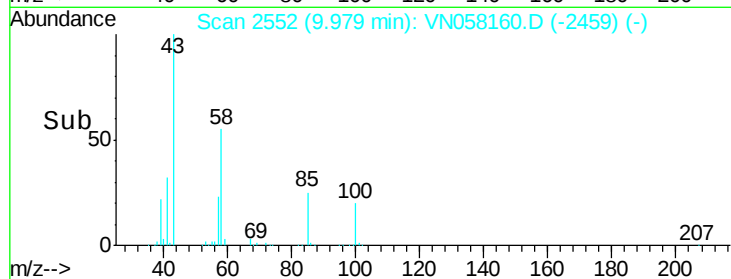
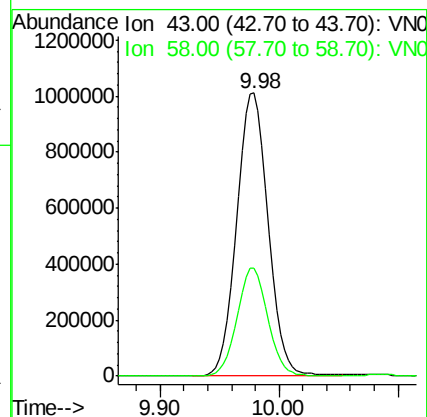
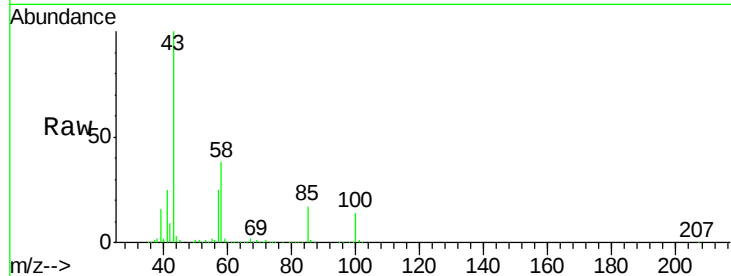
58 37.4 30.2 45.4

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#52

Toluene

Concen: 47.685 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058160.D

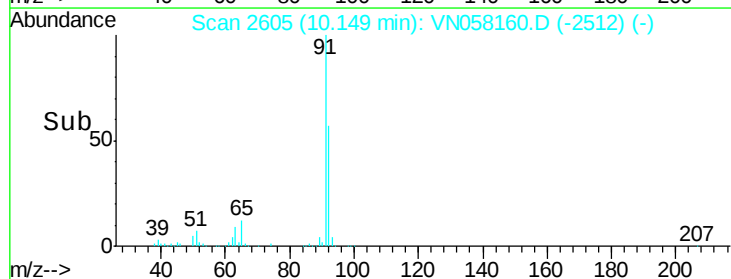
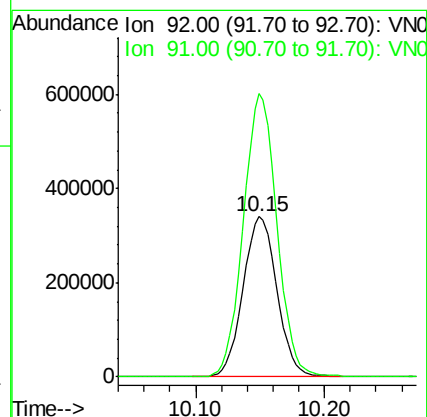
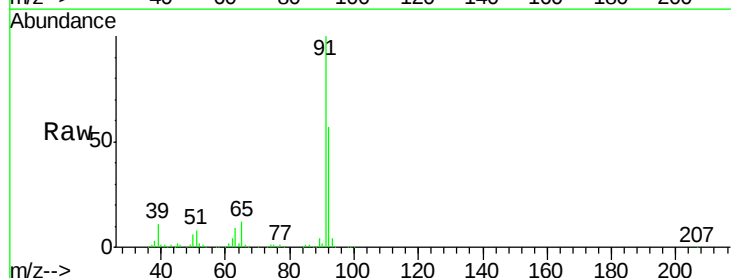
Acq: 18 Sep 2019 14:06

Tgt Ion: 92 Resp: 621731

Ion Ratio Lower Upper

92 100

91 175.6 140.2 210.2





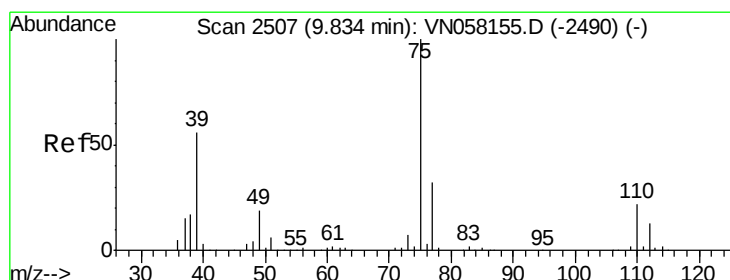
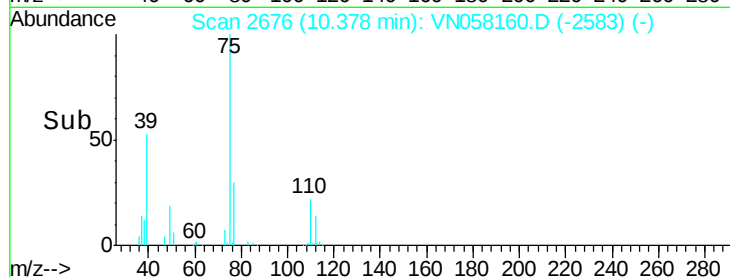
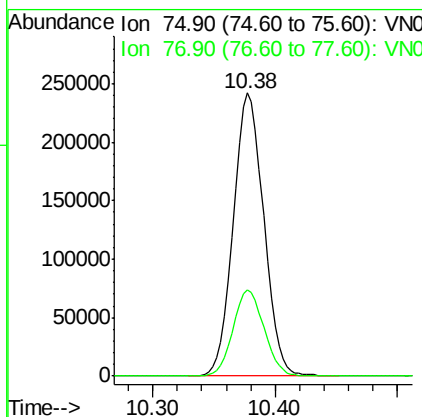
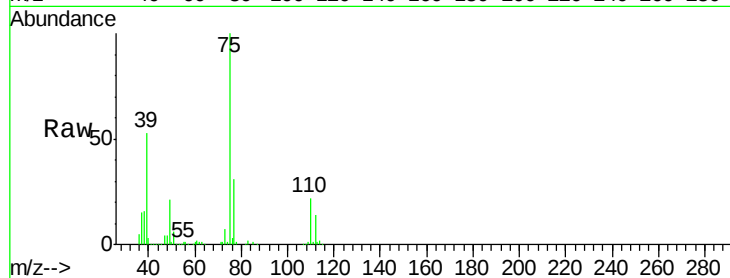
#53
t-1,3-Dichloropropene
Concen: 51.693 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN058160.D
Acq: 18 Sep 2019 14:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 419036
Ion Ratio Lower Upper
75 100
77 30.5 24.9 37.3

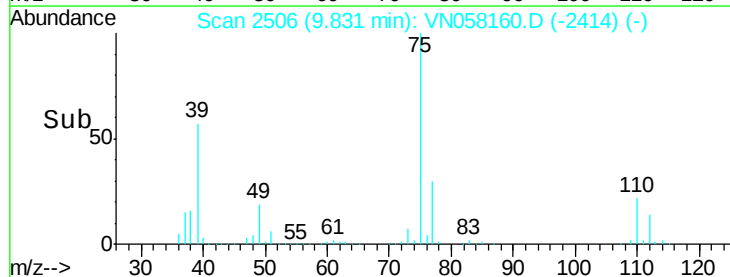
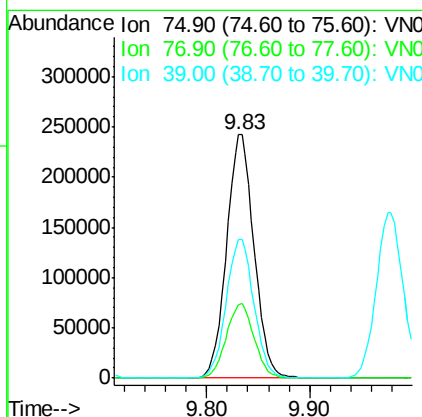
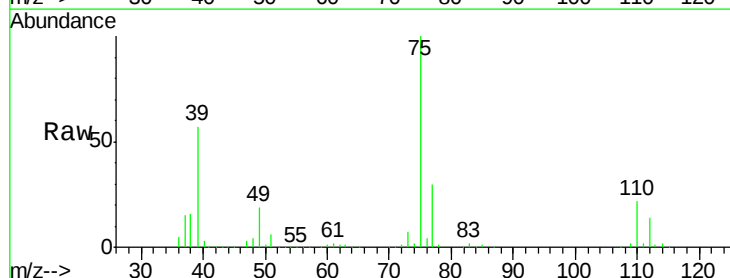
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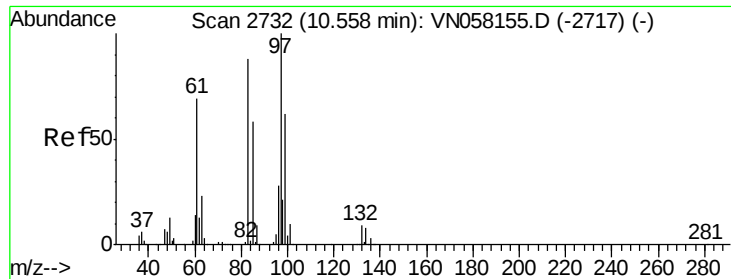
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 50.149 ug/l
RT: 9.83 min Scan# 2506
Delta R.T. -0.00 min
Lab File: VN058160.D
Acq: 18 Sep 2019 14:06

Tgt Ion: 75 Resp: 448827
Ion Ratio Lower Upper
75 100
77 30.1 25.4 38.0
39 57.0 45.0 67.6





#55

1,1,2-Trichloroethane

Concen: 48.946 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VN058160.D

Acq: 18 Sep 2019 14:06

Instrument :

MSVOA_N

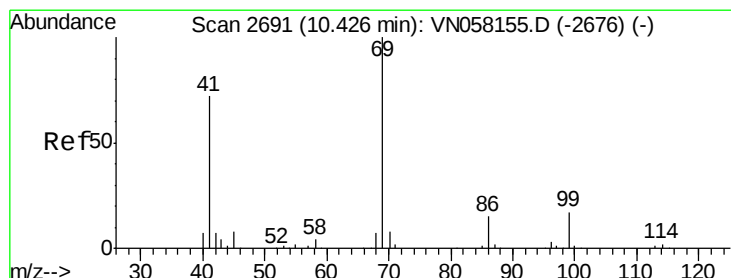
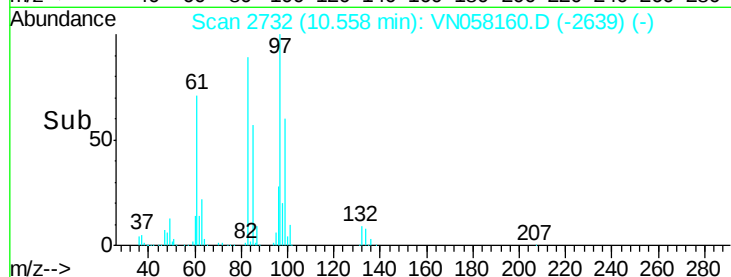
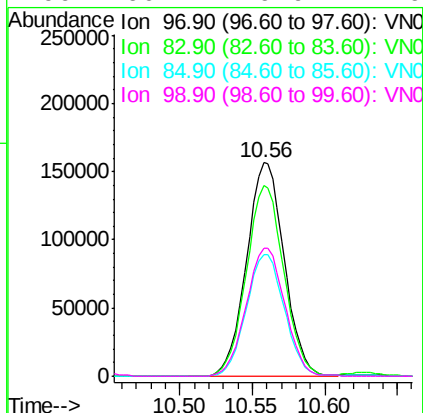
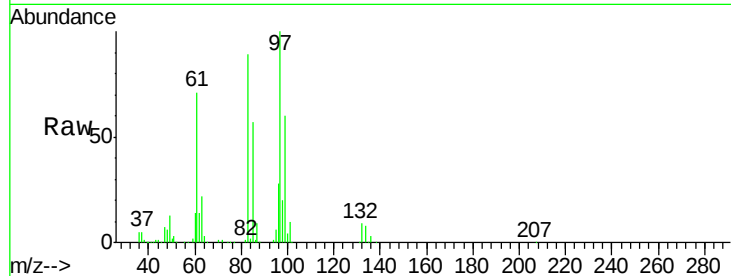
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	283209
Ion	Ratio	Lower	Upper
97	100		
83	89.1	70.4	105.6
85	57.2	46.8	70.2
99	60.2	49.9	74.9

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#56

Ethyl methacrylate

Concen: 50.697 ug/l

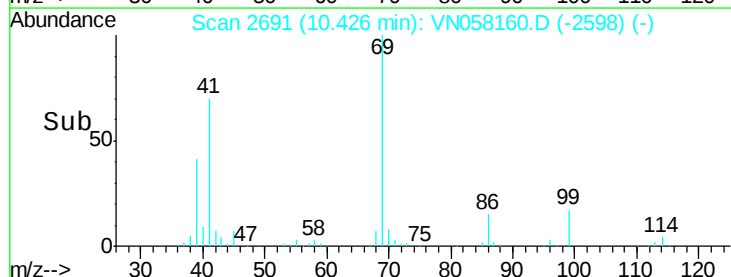
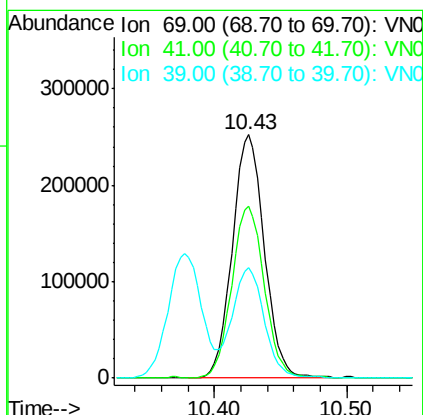
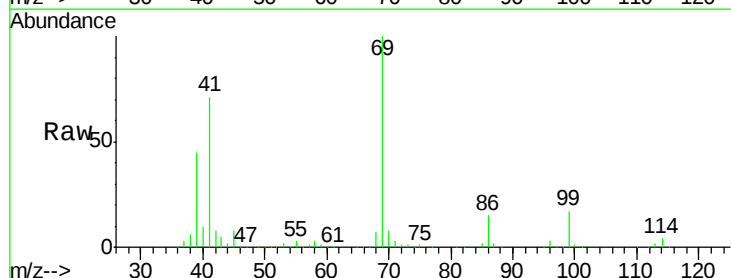
RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN058160.D

Acq: 18 Sep 2019 14:06

Tgt Ion:	69	Resp:	423238
Ion	Ratio	Lower	Upper
69	100		
41	70.8	57.5	86.3
39	44.6	36.1	54.1





#57

1,3-Dichloropropane

Concen: 47.858 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN058160.D

Acq: 18 Sep 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 476044

Ion Ratio Lower Upper

76 100

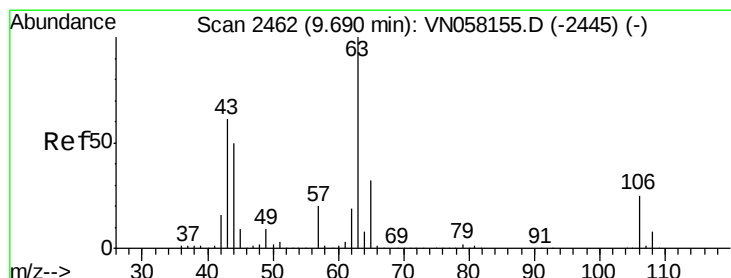
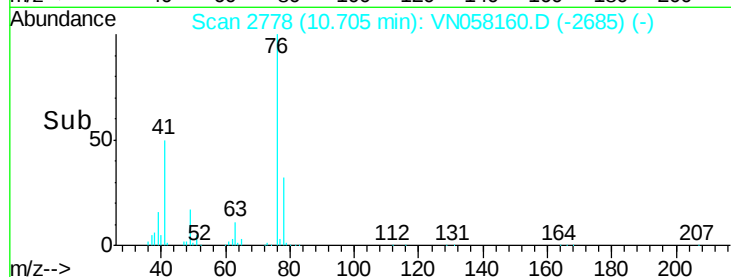
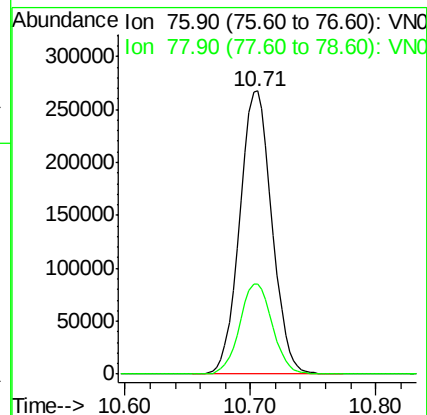
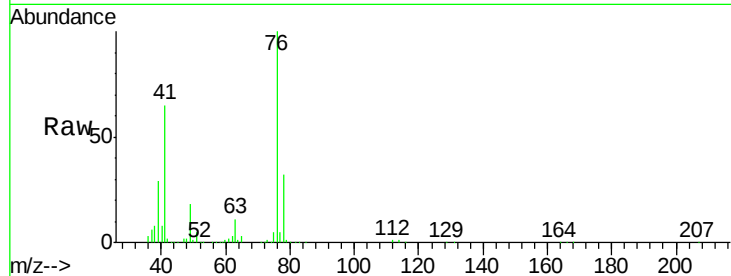
78 32.6 25.4 38.0

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 262.395 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. -0.00 min

Lab File: VN058160.D

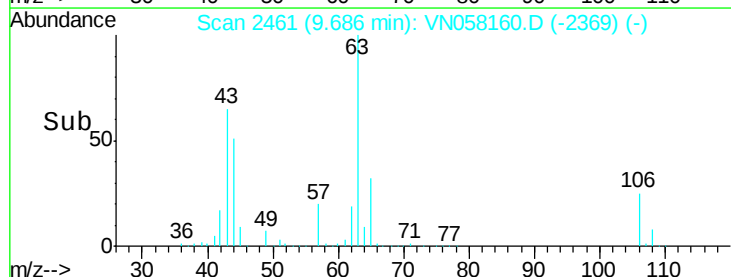
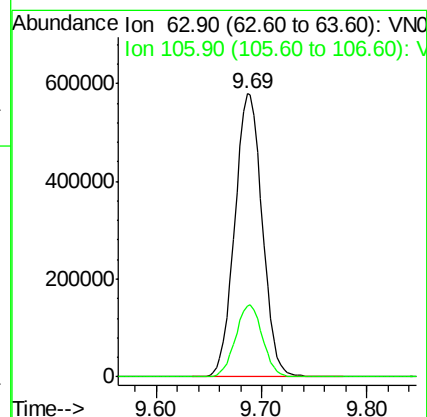
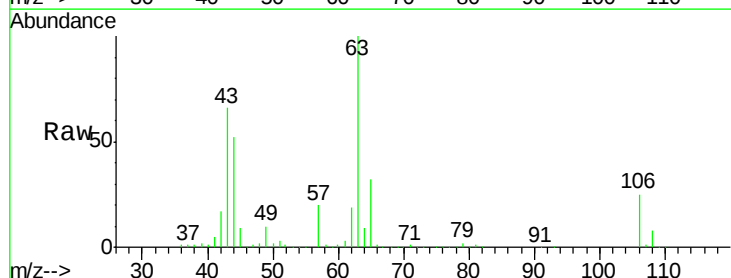
Acq: 18 Sep 2019 14:06

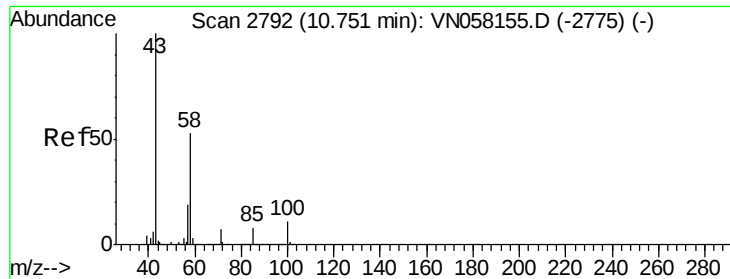
Tgt Ion: 63 Resp: 1043424

Ion Ratio Lower Upper

63 100

106 25.0 19.9 29.9





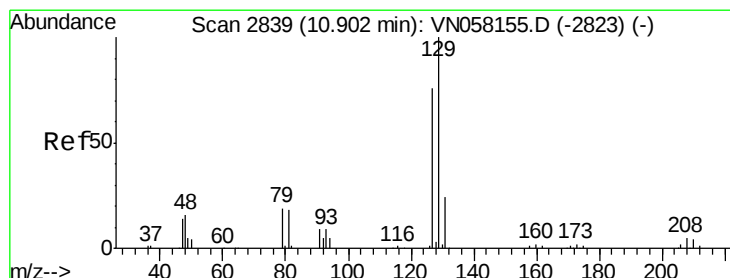
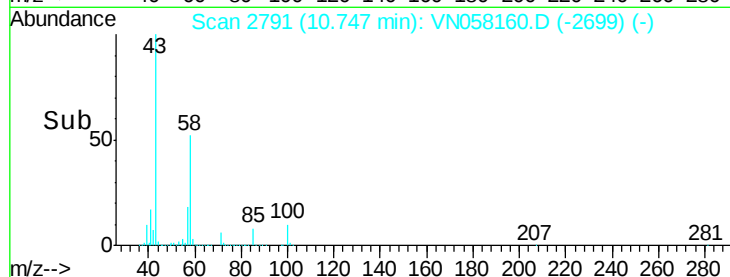
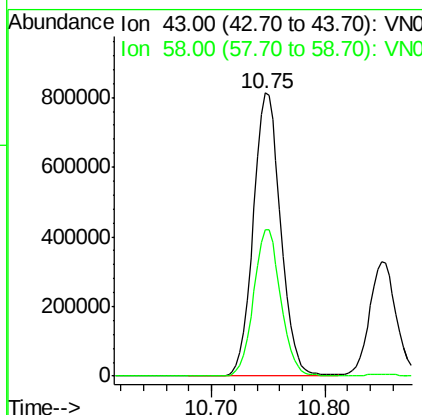
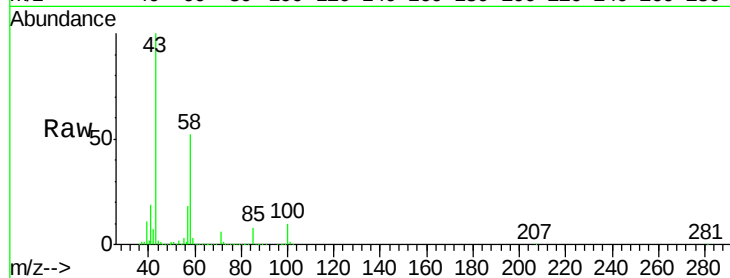
#59
2-Hexanone
Concen: 262.496 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN058160.D
Acq: 18 Sep 2019 14:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1367038
Ion Ratio Lower Upper
43 100
58 51.5 26.0 78.0

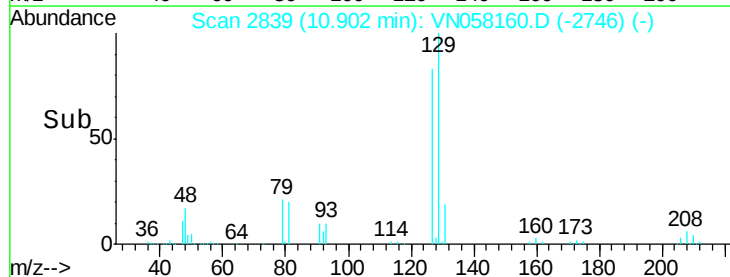
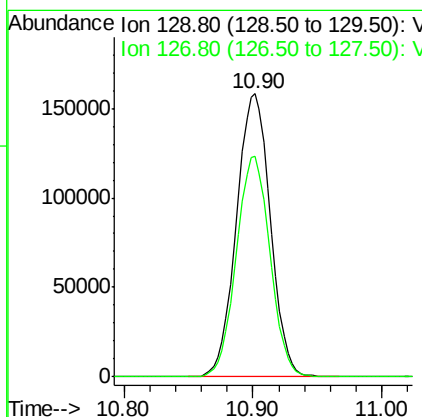
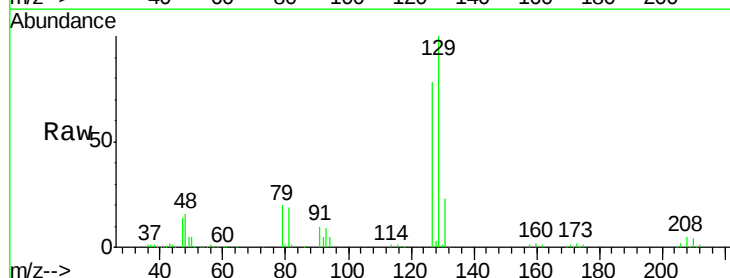
Manual Integrations
APPROVED

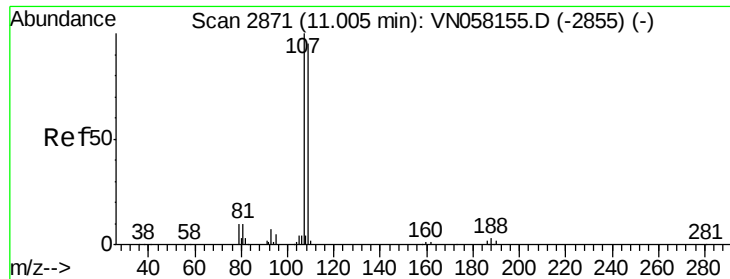
MMDadoda
9/20/2019 1:43:34 PM



#60
Dibromochloromethane
Concen: 51.934 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN058160.D
Acq: 18 Sep 2019 14:06

Tgt Ion: 129 Resp: 289089
Ion Ratio Lower Upper
129 100
127 77.6 38.7 116.1





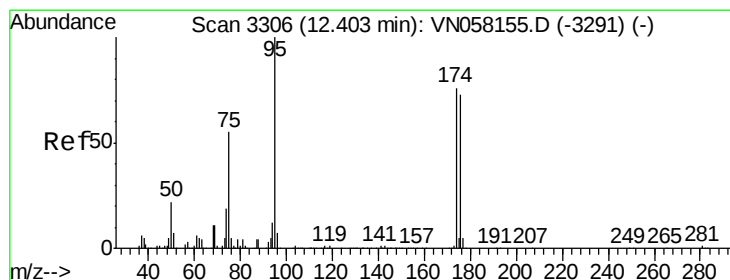
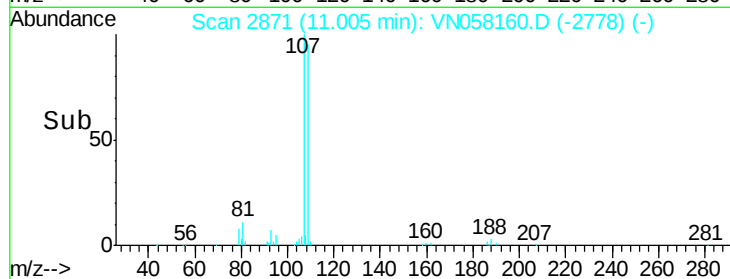
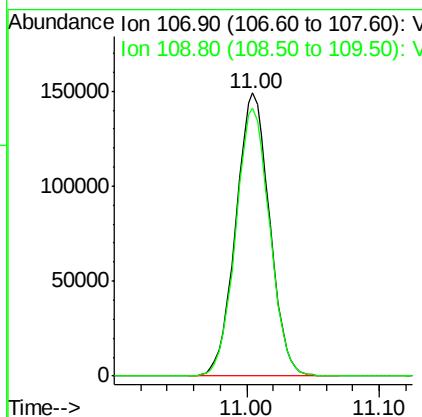
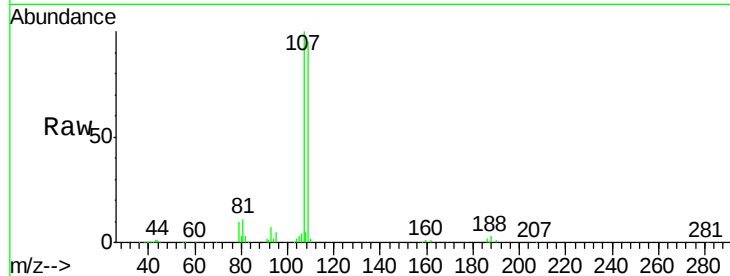
#61
 1,2-Dibromoethane
 Concen: 48.984 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN058160.D
 Acq: 18 Sep 2019 14:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.4	75.4	113.2

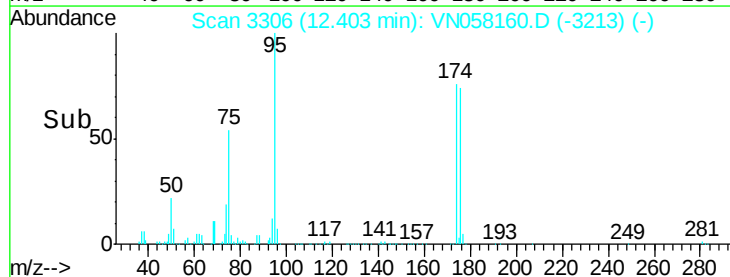
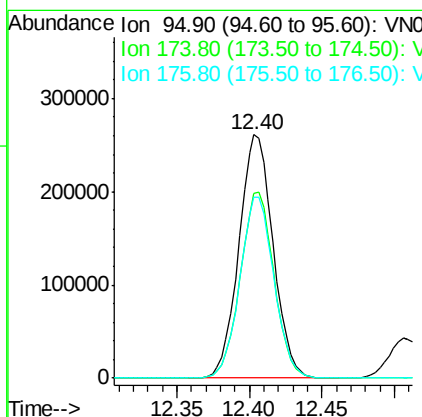
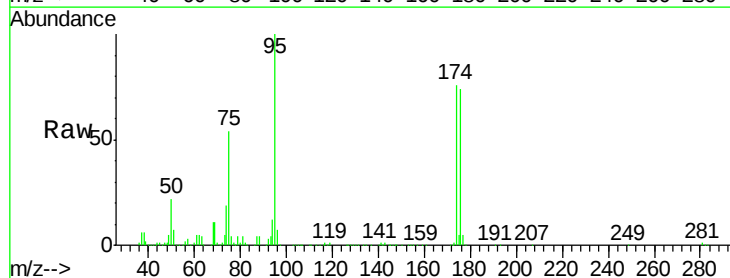
Manual Integrations
 APPROVED

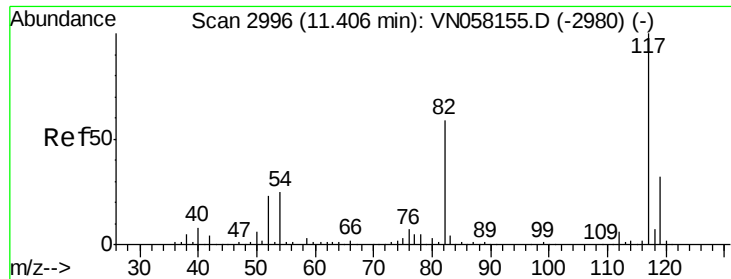
MMDadoda
 9/20/2019 1:43:34 PM



#62
 4-Bromofluorobenzene
 Concen: 51.320 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.00 min
 Lab File: VN058160.D
 Acq: 18 Sep 2019 14:06

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.6	0.0	152.2
176	74.3	0.0	148.0





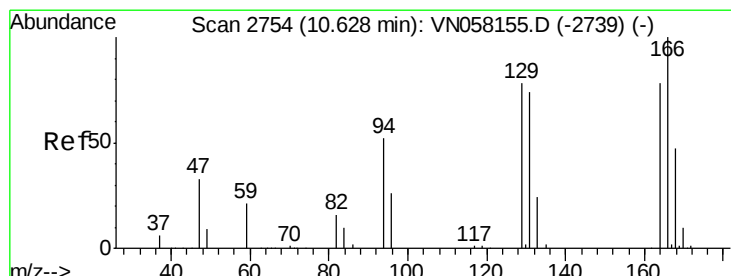
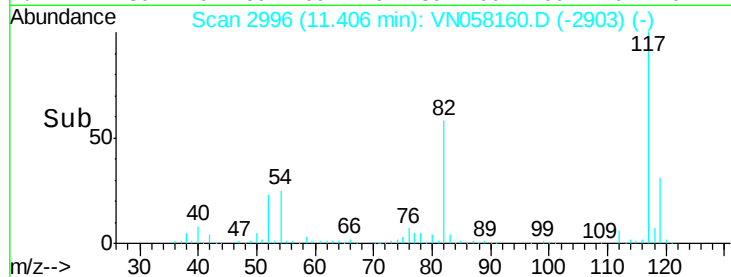
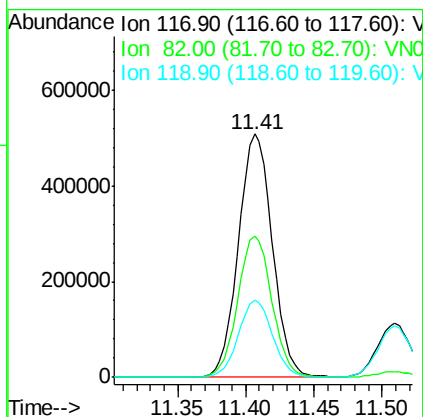
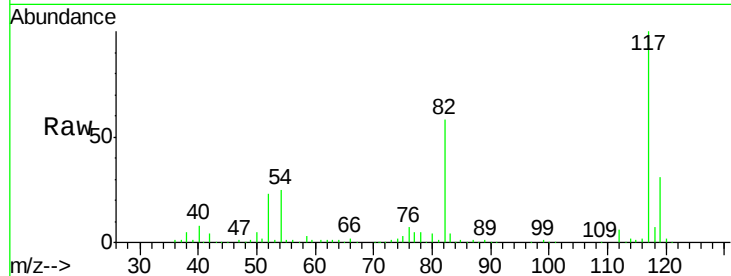
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058160.D
Acq: 18 Sep 2019 14:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.2	46.9	70.3
119	31.5	25.3	37.9

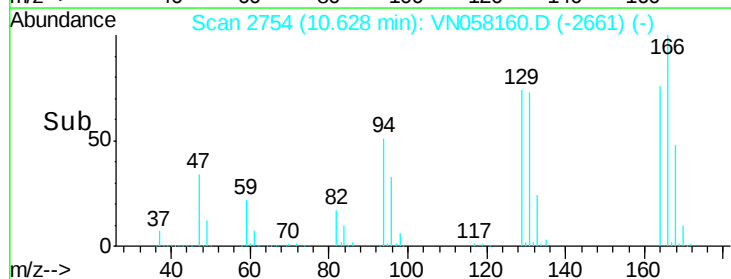
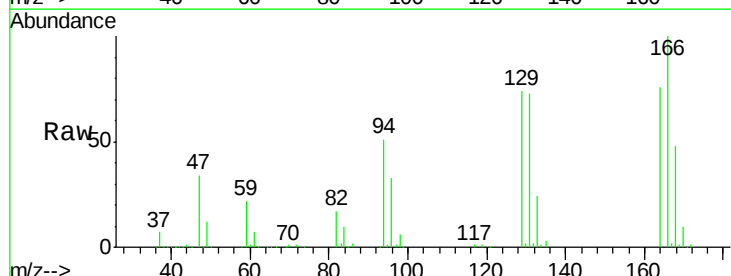
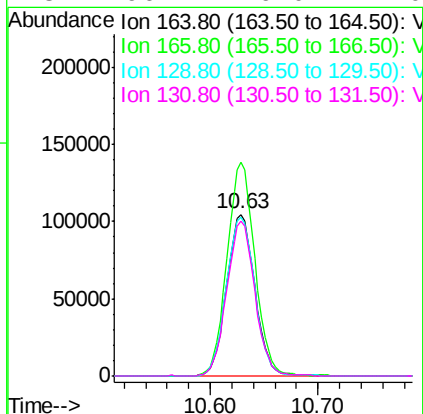
Manual Integrations
APPROVED

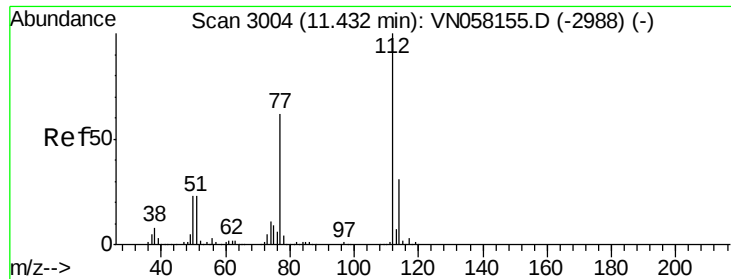
MMDadoda
9/20/2019 1:43:34 PM



#64
Tetrachloroethene
Concen: 44.522 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058160.D
Acq: 18 Sep 2019 14:06

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.2	102.2	153.4
129	98.1	79.6	119.4
131	96.2	76.0	114.0





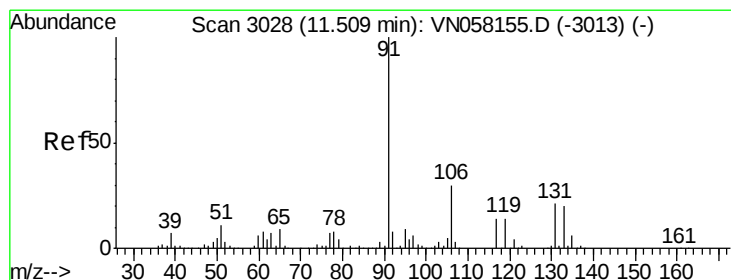
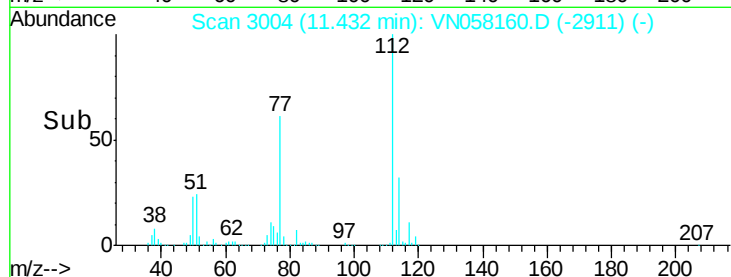
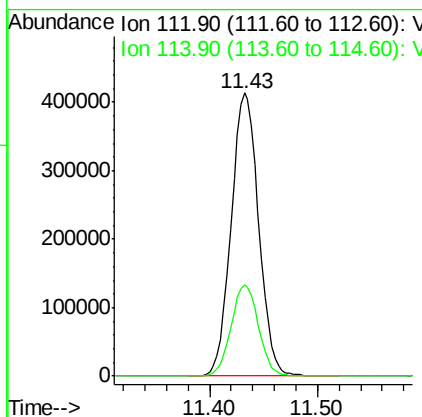
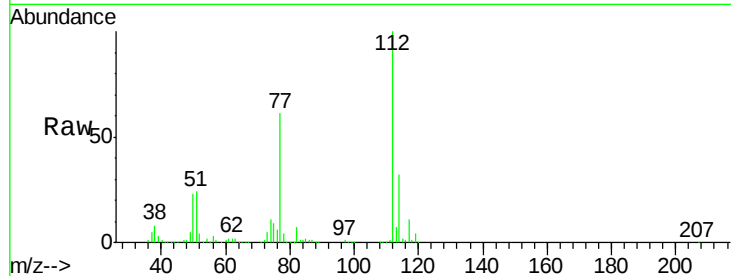
#65
Chlorobenzene
Concen: 47.435 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN058160.D
Acq: 18 Sep 2019 14:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 734028
Ion Ratio Lower Upper
112 100
114 32.1 25.1 37.7

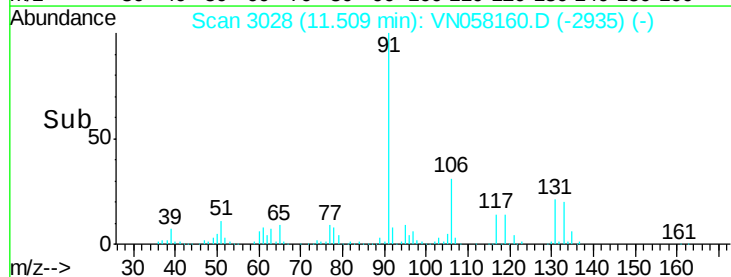
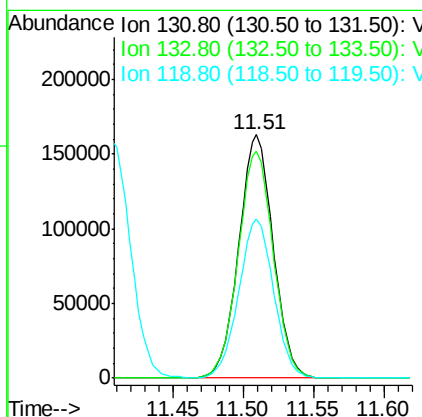
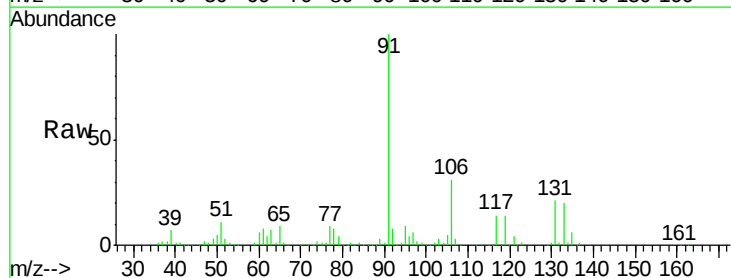
Manual Integrations
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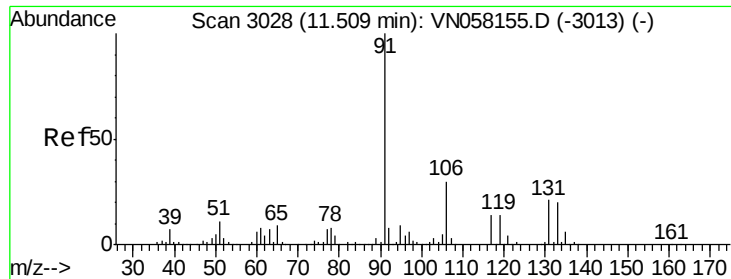
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.709 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN058160.D
Acq: 18 Sep 2019 14:06

Tgt Ion:131 Resp: 278917
Ion Ratio Lower Upper
131 100
133 95.3 47.8 143.3
119 66.2 33.1 99.3





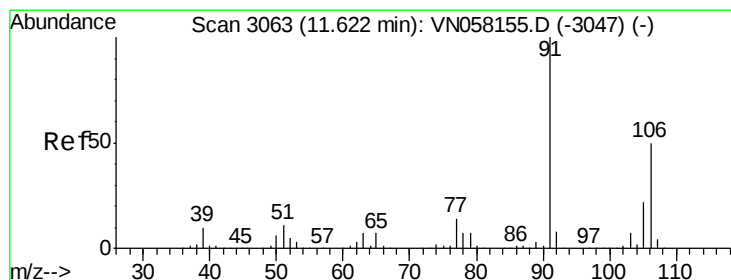
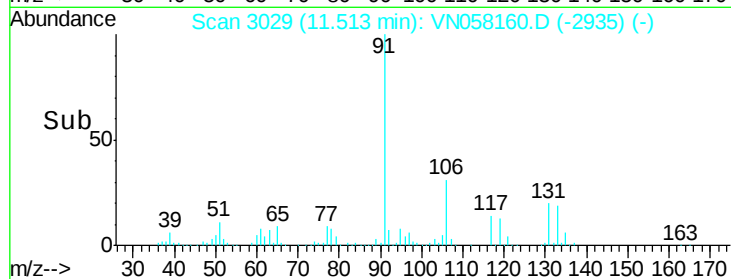
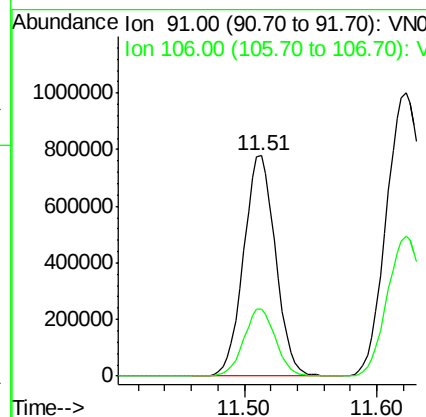
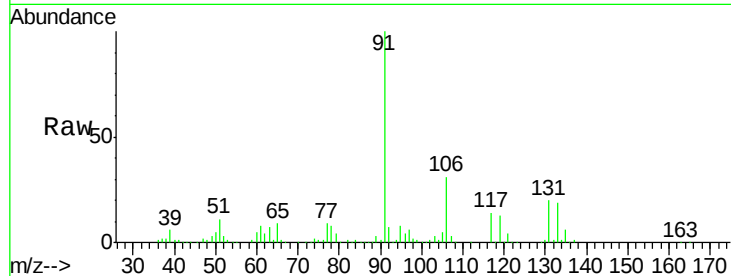
#67
Ethyl Benzene
Concen: 49.050 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058160.D
Acq: 18 Sep 2019 14:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1300555
Ion Ratio Lower Upper
91 100
106 30.7 24.0 36.0

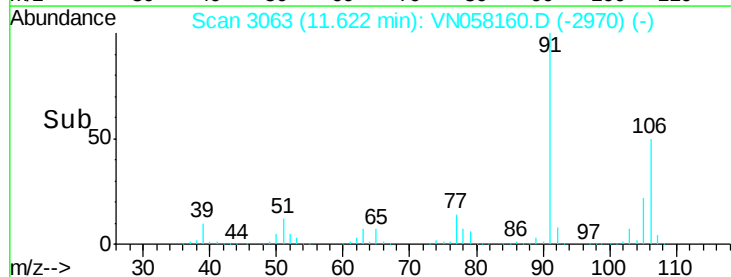
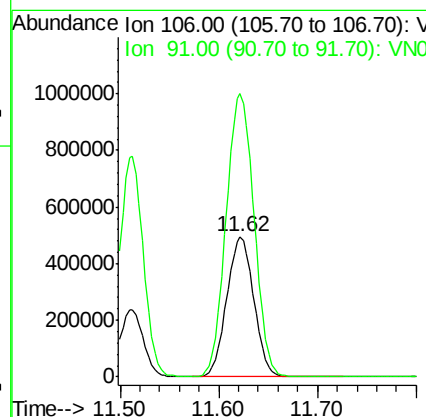
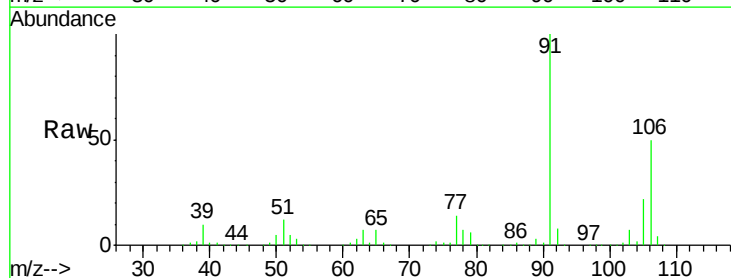
Manual Integrations
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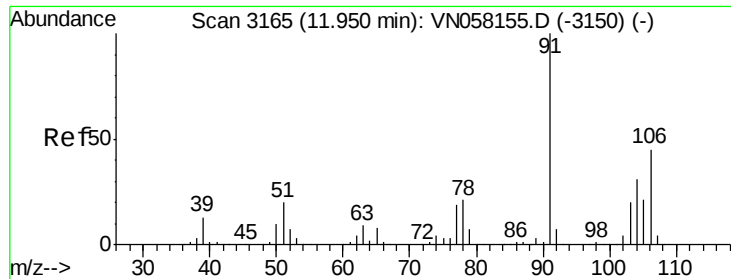
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#68
m/p-Xylenes
Concen: 95.538 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058160.D
Acq: 18 Sep 2019 14:06

Tgt Ion:106 Resp: 954083
Ion Ratio Lower Upper
106 100
91 208.2 163.6 245.4





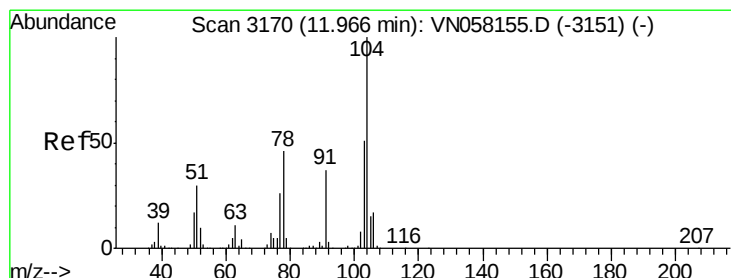
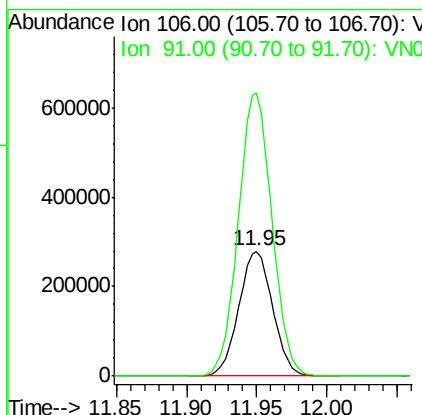
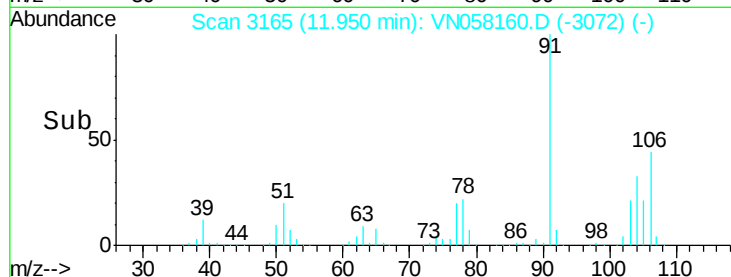
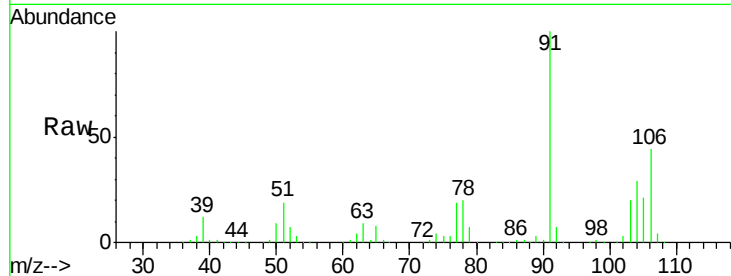
#69
o-Xylene
Concen: 48.045 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058160.D
Acq: 18 Sep 2019 14:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 471778
Ion Ratio Lower Upper
106 100
91 224.3 111.8 335.3

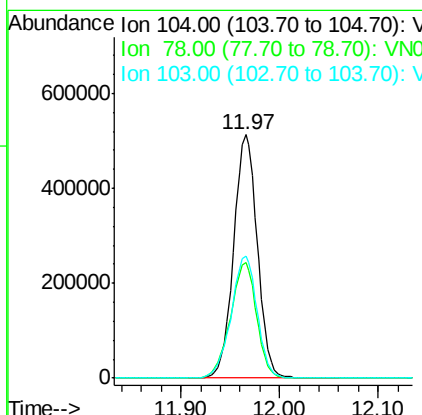
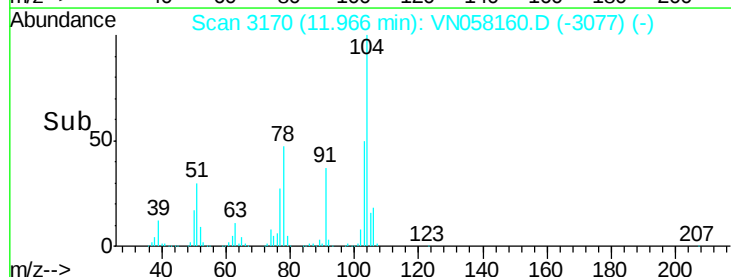
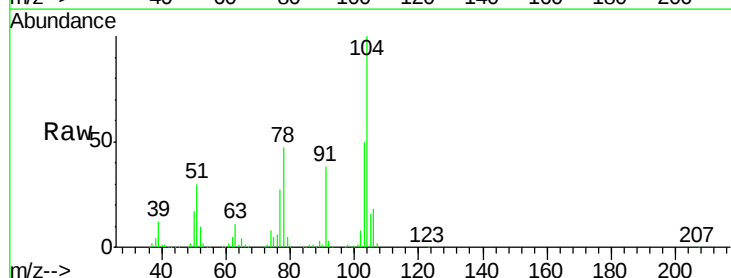
Manual Integrations
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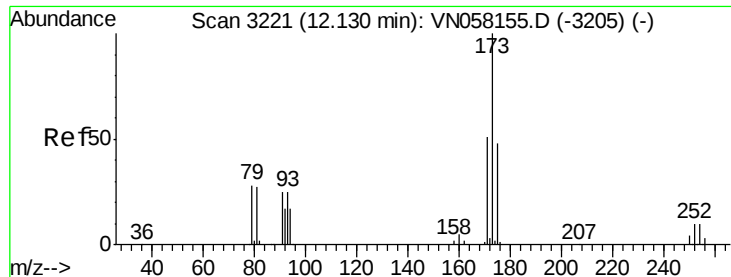
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#70
Styrene
Concen: 50.736 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058160.D
Acq: 18 Sep 2019 14:06

Tgt Ion:104 Resp: 858394
Ion Ratio Lower Upper
104 100
78 52.4 41.8 62.8
103 54.9 44.2 66.2





#71

Bromoform

Concen: 44.953 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058160.D

Acq: 18 Sep 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 185376

Ion Ratio Lower Upper

173 100

175 48.8 24.2 72.6

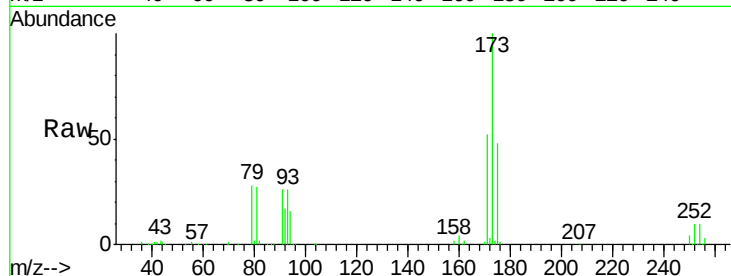
254 0.1 0.1 0.1#

Manual Integrations

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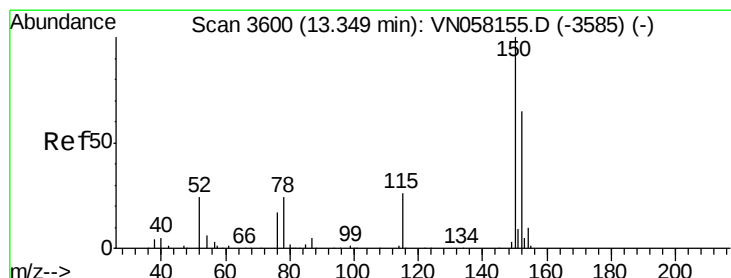
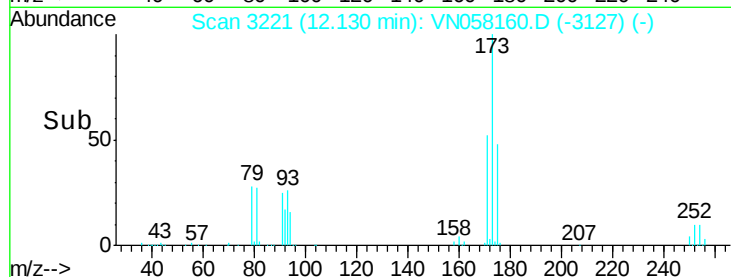
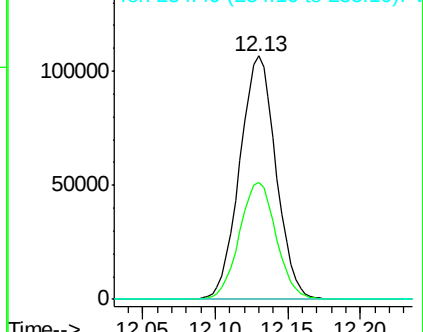
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VN058160.D

Acq: 18 Sep 2019 14:06

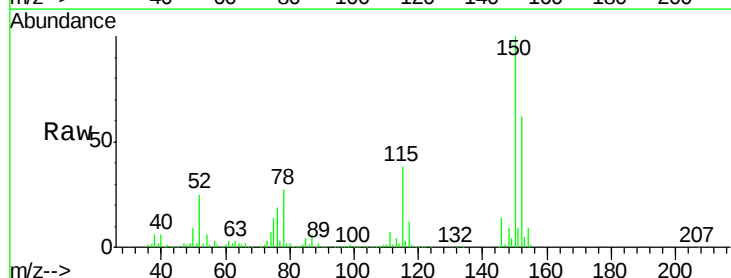
Tgt Ion:152 Resp: 435323

Ion Ratio Lower Upper

152 100

115 60.3 30.1 90.3

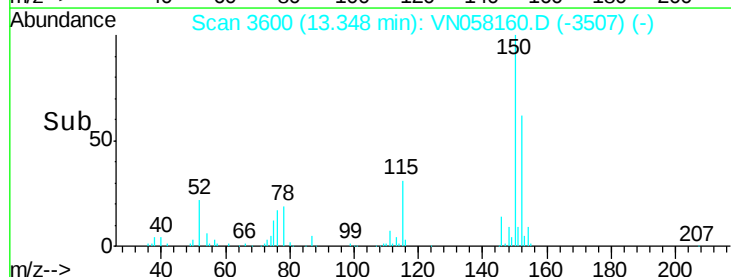
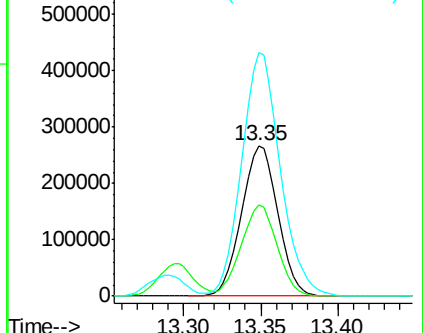
150 172.9 0.0 346.4

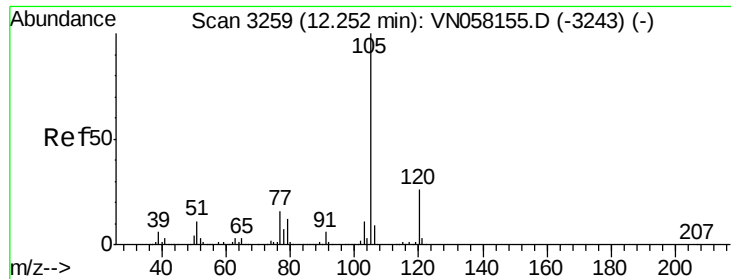


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.001 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058160.D

Acq: 18 Sep 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1362454

Ion Ratio Lower Upper

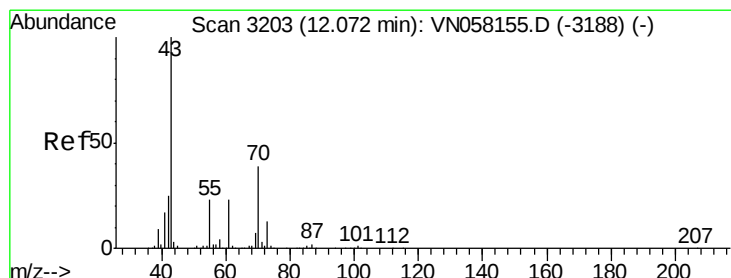
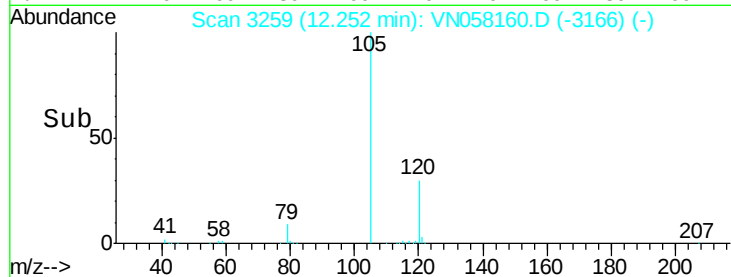
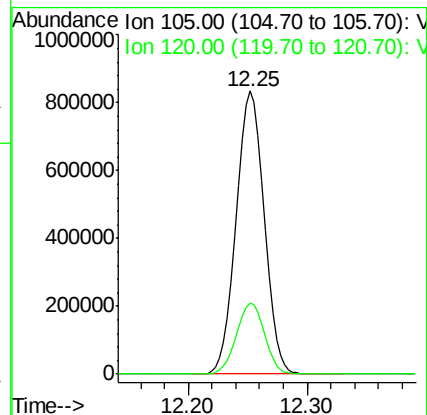
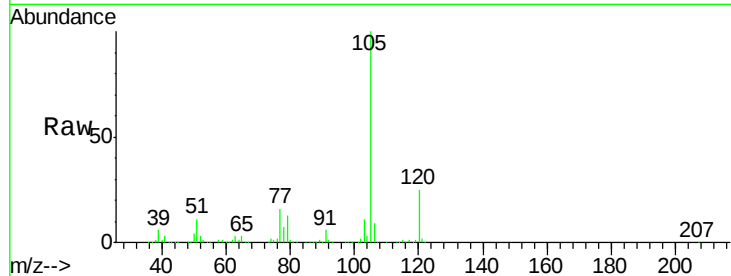
105 100

120 25.4 12.8 38.3

Manual Integrations
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#74

N-ethyl acetate

Concen: 50.732 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN058160.D

Acq: 18 Sep 2019 14:06

Tgt Ion: 43 Resp: 578298

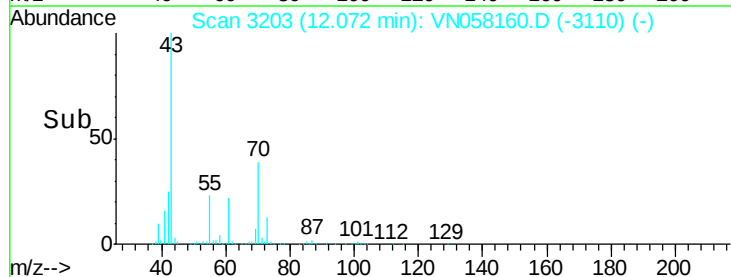
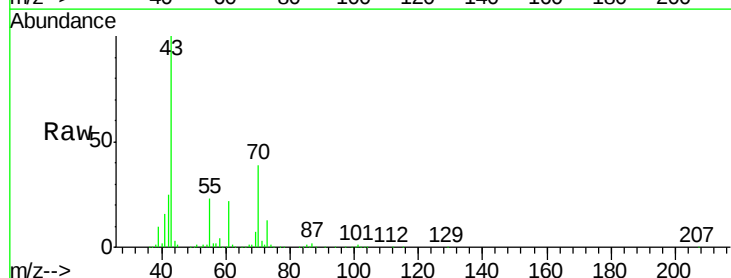
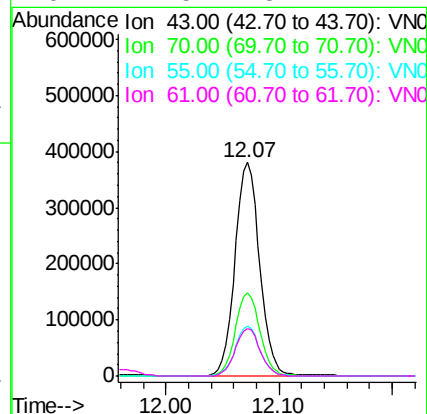
Ion Ratio Lower Upper

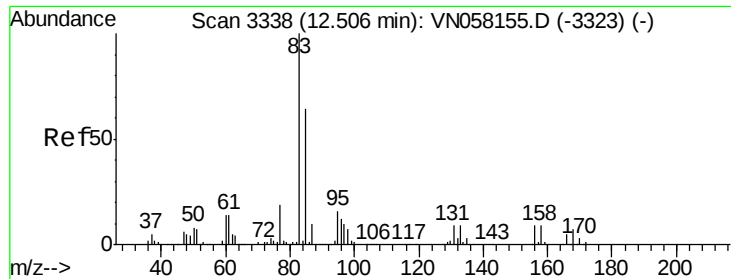
43 100

70 38.9 31.0 46.6

55 23.4 18.5 27.7

61 22.5 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 47.804 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN058160.D

Acq: 18 Sep 2019 14:06

Instrument :

MSVOA_N

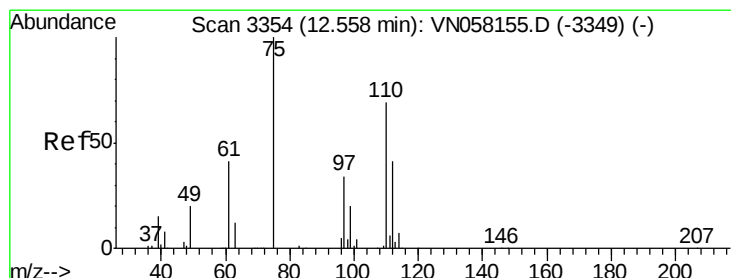
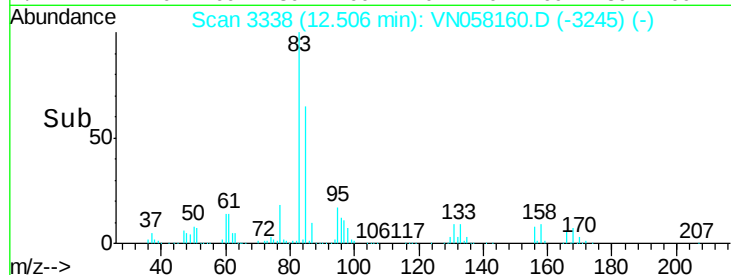
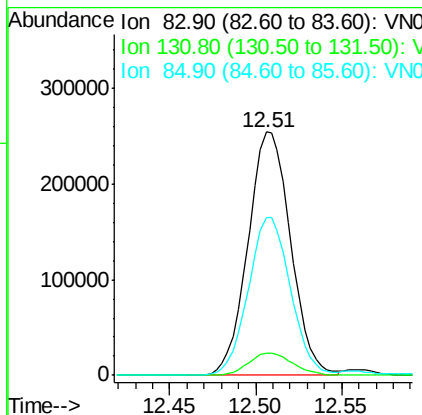
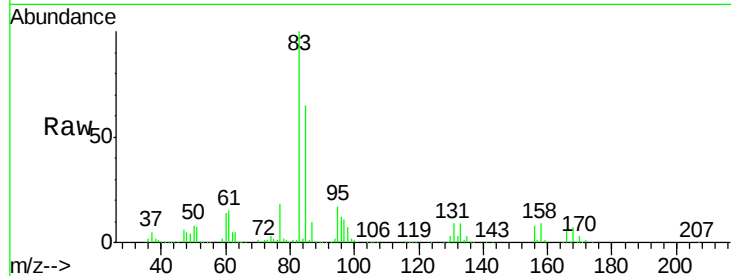
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	436200
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.8	14.3
85	64.2	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 51.418 ug/l m

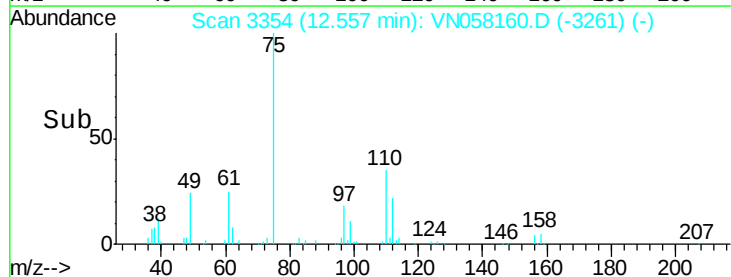
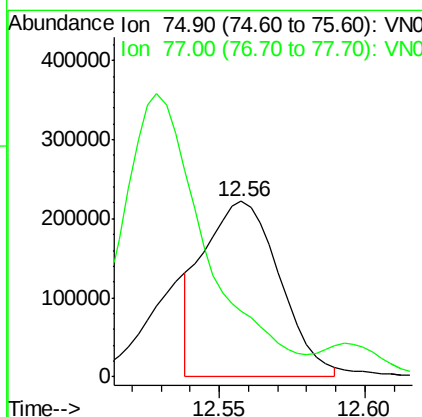
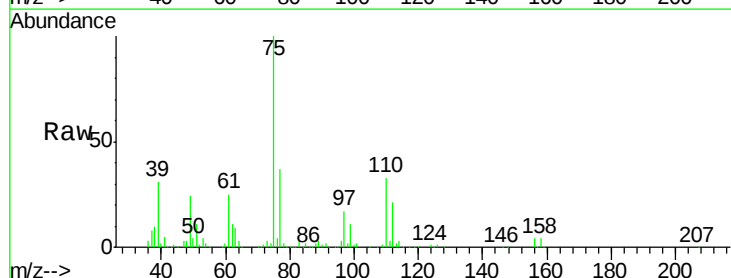
RT: 12.56 min Scan# 3354

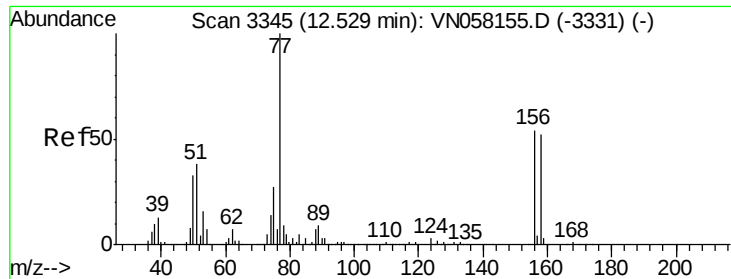
Delta R.T. -0.00 min

Lab File: VN058160.D

Acq: 18 Sep 2019 14:06

Tgt Ion:	75	Resp:	400593
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 46.817 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058160.D

Acq: 18 Sep 2019 14:06

Instrument :

MSVOA_N

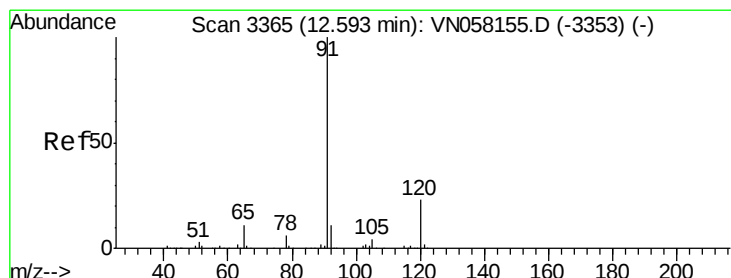
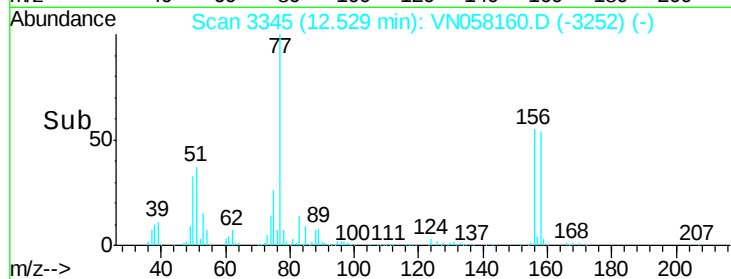
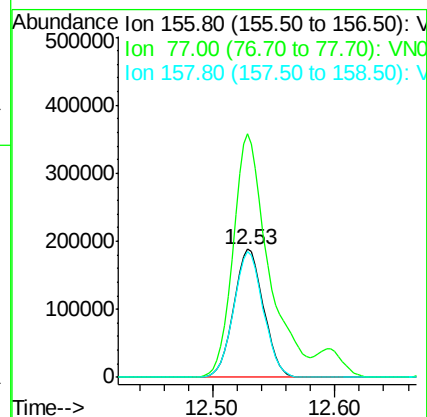
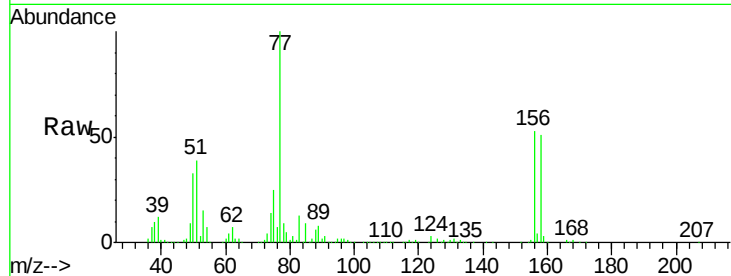
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	320887
Ion Ratio	Lower	Upper	
156	100		
77	224.2	111.7	335.1
158	97.5	47.9	143.8

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#78

n-propylbenzene

Concen: 51.650 ug/l

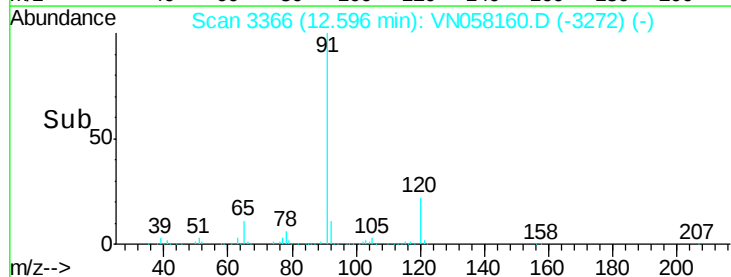
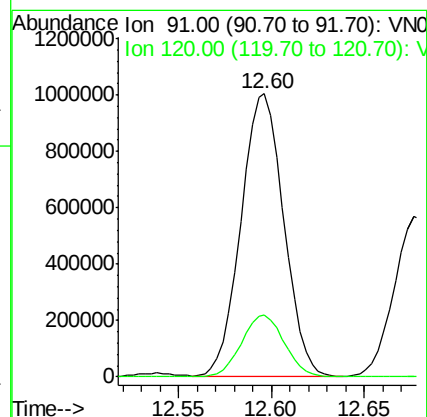
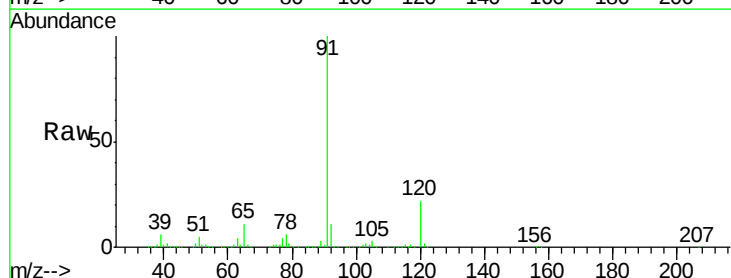
RT: 12.60 min Scan# 3366

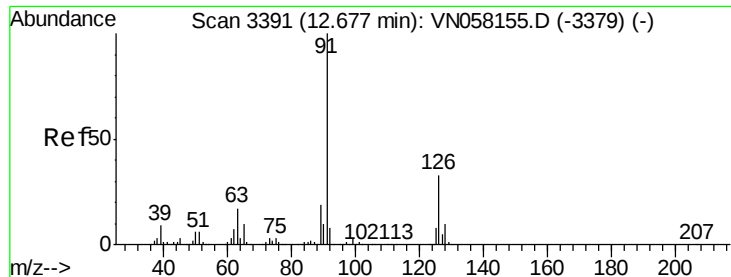
Delta R.T. 0.00 min

Lab File: VN058160.D

Acq: 18 Sep 2019 14:06

Tgt Ion:	91	Resp:	1599281
Ion Ratio	Lower	Upper	
91	100		
120	22.0	11.1	33.3





#79

2-Chlorotoluene

Concen: 49.059 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN058160.D

Acq: 18 Sep 2019 14:06

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 949366

Ion Ratio Lower Upper

91 100

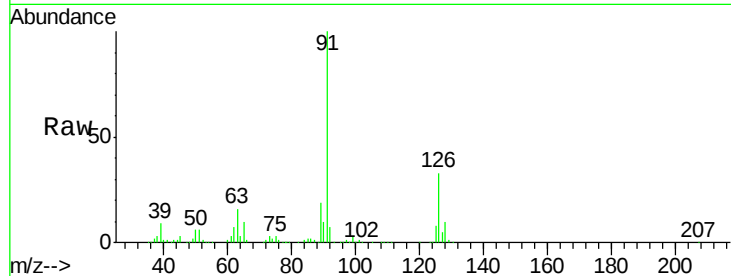
126 32.9 16.4 49.1

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Abundance Ion 91.00 (90.70 to 91.70): VN058155.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN058155.D (-3379) (-)

1000000

800000

600000

400000

200000

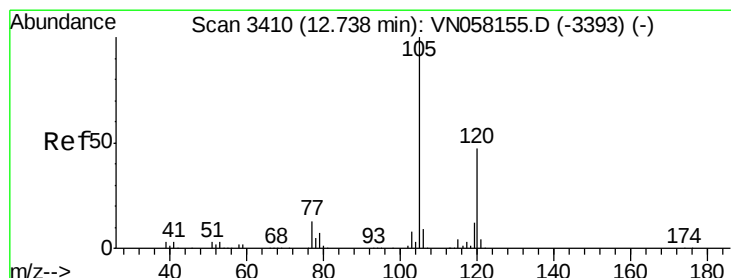
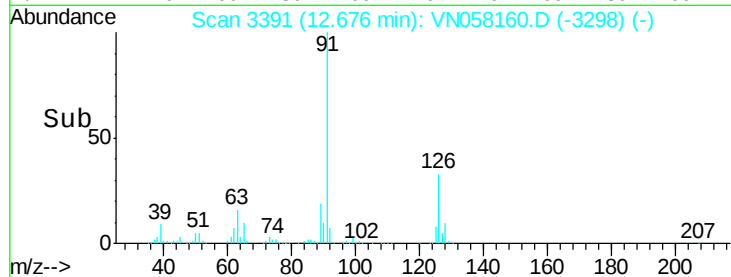
0

12.65

12.68

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 50.790 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058160.D

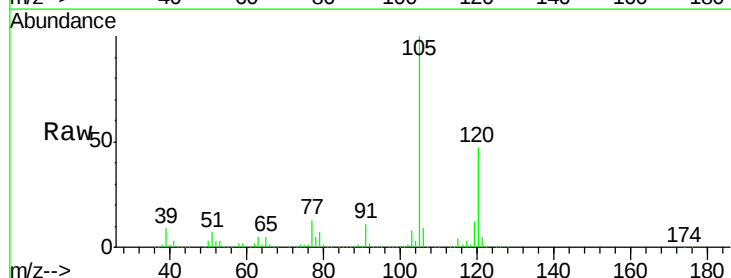
Acq: 18 Sep 2019 14:06

Tgt Ion: 105 Resp: 1170299

Ion Ratio Lower Upper

105 100

120 47.3 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN058155.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN058155.D (-3393) (-)

800000

600000

400000

200000

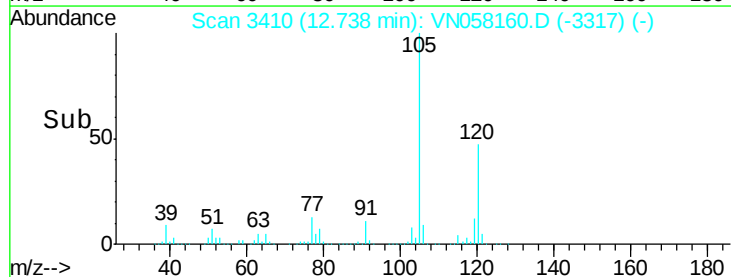
0

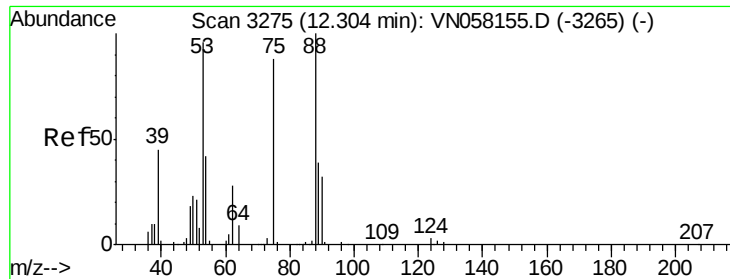
12.70

12.74

12.80

Time-->





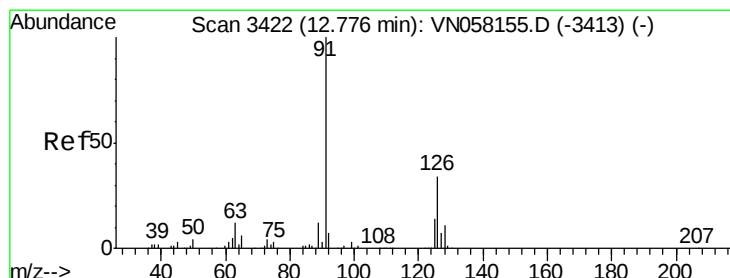
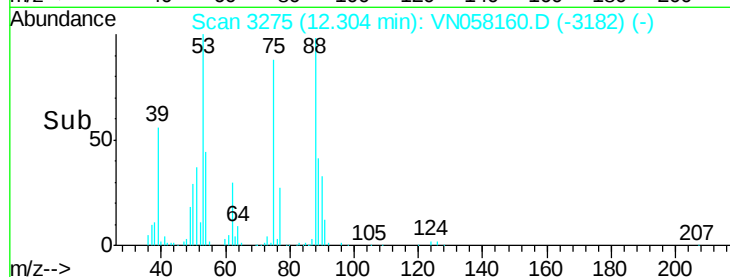
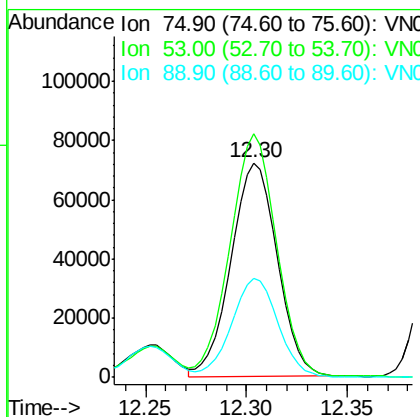
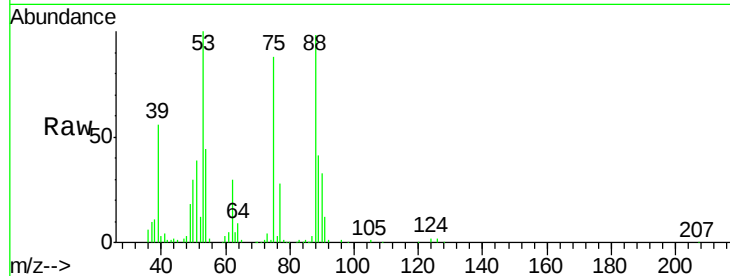
#81
trans-1,4-Dichloro-2-butene
Concen: 45.029 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058160.D
Acq: 18 Sep 2019 14:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	115.7	90.1	135.1
89	46.3	36.2	54.2

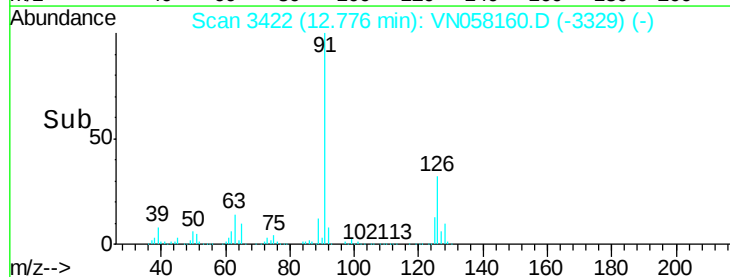
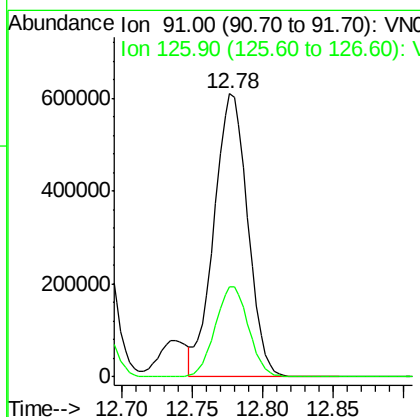
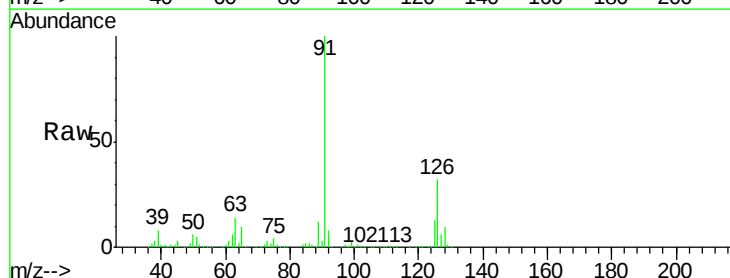
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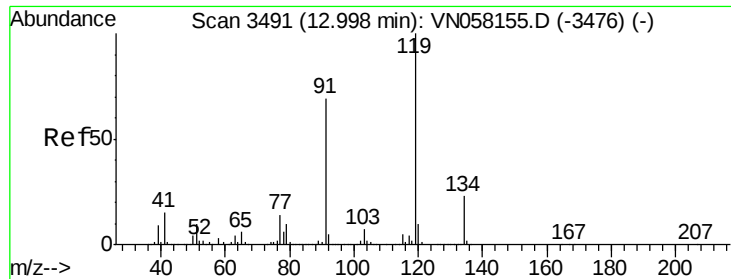
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#82
4-Chlorotoluene
Concen: 49.663 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. -0.00 min
Lab File: VN058160.D
Acq: 18 Sep 2019 14:06

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.7	47.1





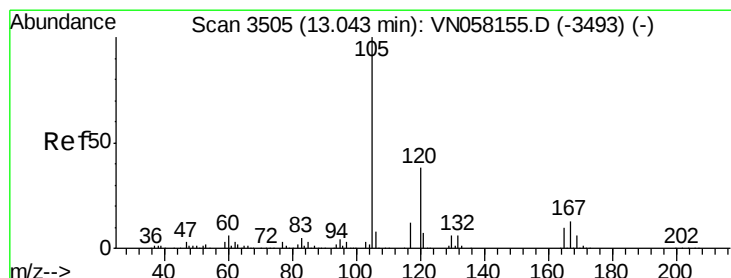
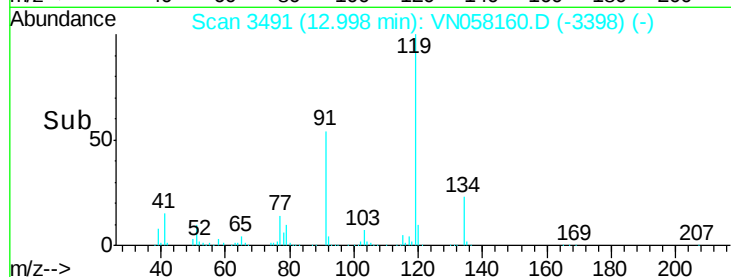
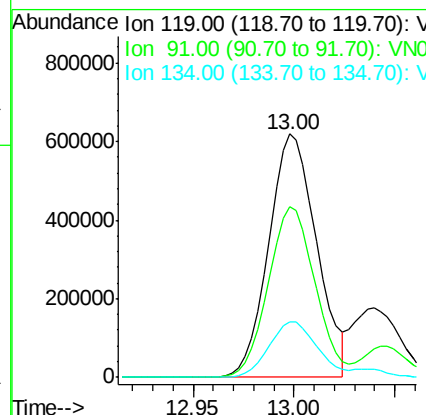
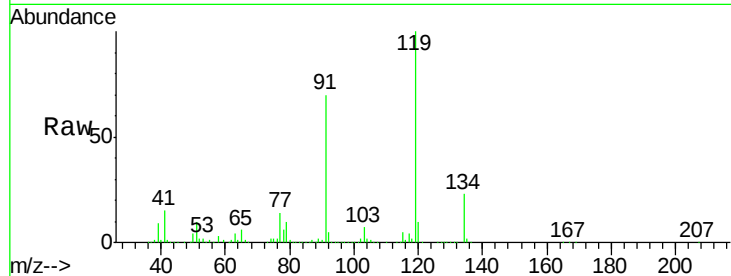
#83
tert-Butylbenzene
Concen: 49.639 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. -0.00 min
Lab File: VN058160.D
Acq: 18 Sep 2019 14:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.6	33.8	101.3
134	23.1	11.6	34.8

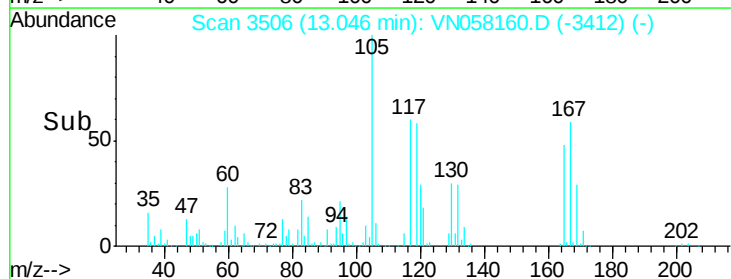
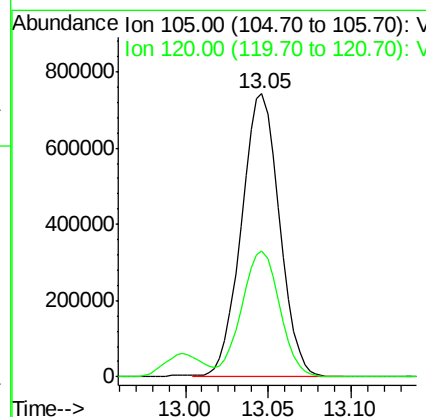
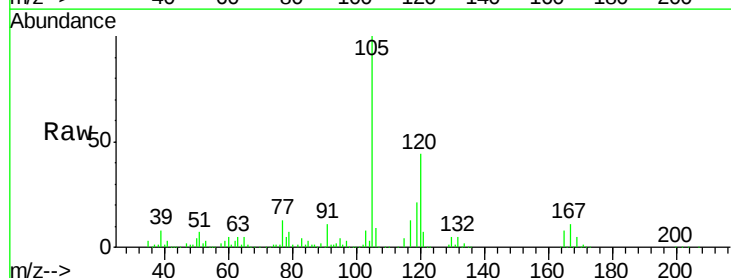
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#84
1,2,4-Trimethylbenzene
Concen: 51.478 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN058160.D
Acq: 18 Sep 2019 14:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.1	66.5





#85

sec-Butylbenzene

Concen: 51.973 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058160.D

Acq: 18 Sep 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1396522

Ion Ratio Lower Upper

105 100

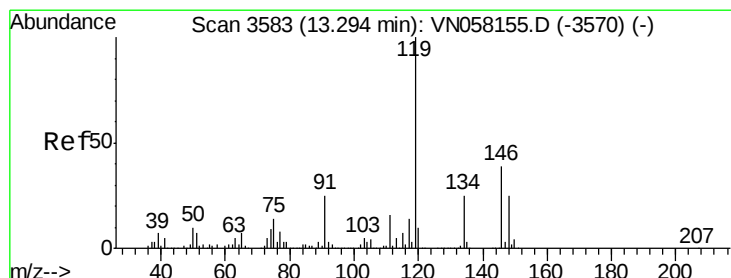
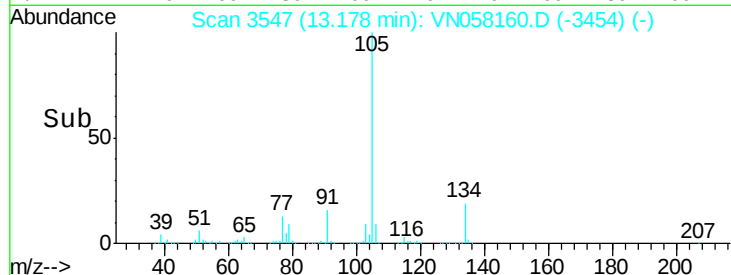
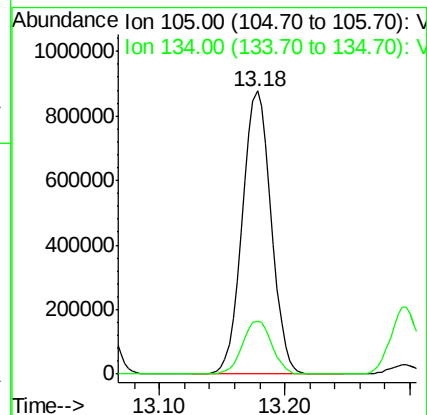
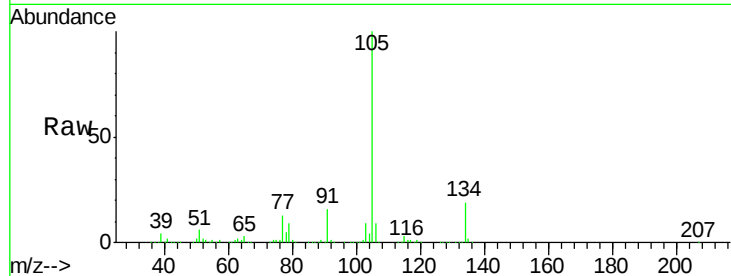
134 19.1 9.5 28.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 52.684 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN058160.D

Acq: 18 Sep 2019 14:06

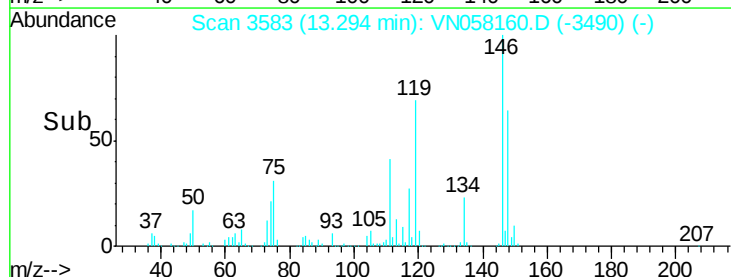
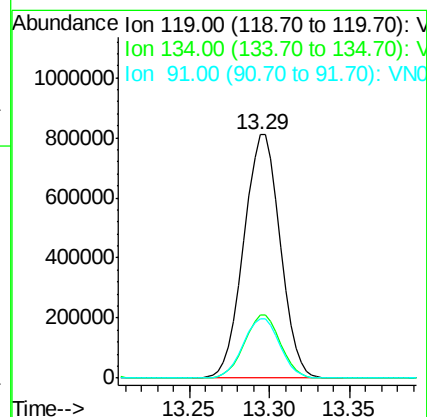
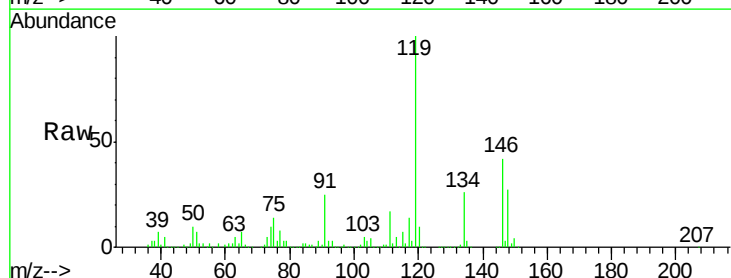
Tgt Ion:119 Resp: 1258511

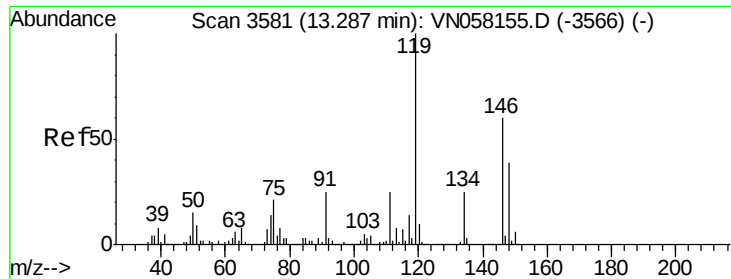
Ion Ratio Lower Upper

119 100

134 25.5 12.7 38.0

91 24.5 12.3 36.8





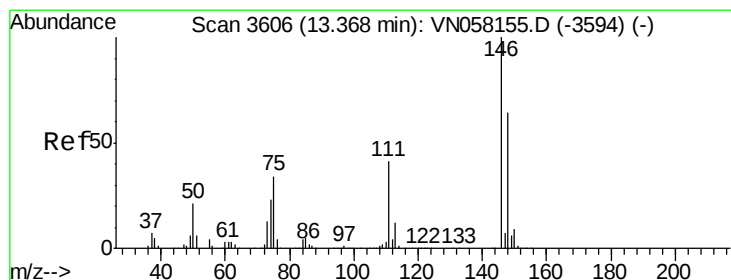
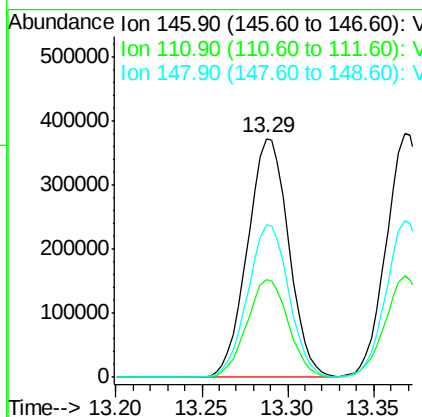
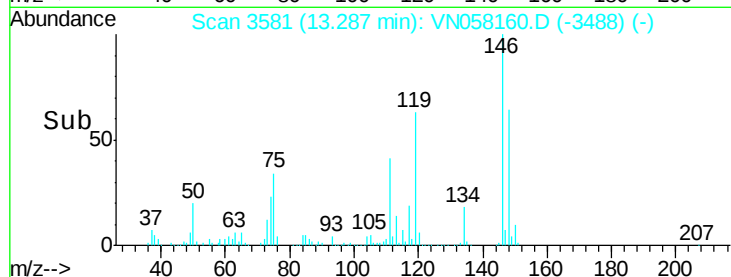
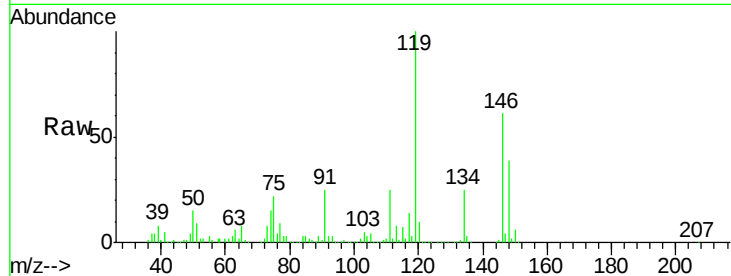
#87
 1,3-Dichlorobenzene
 Concen: 49.522 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN058160.D
 Acq: 18 Sep 2019 14:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	619968		
111	41.2	20.9	62.8	
148	63.7	32.0	96.2	

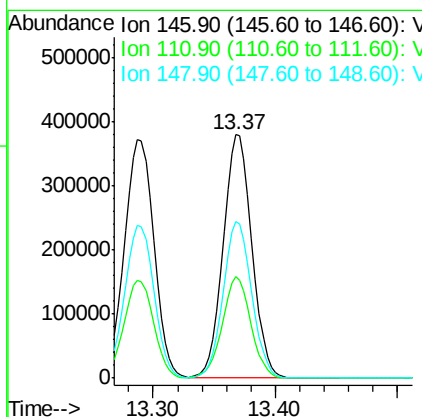
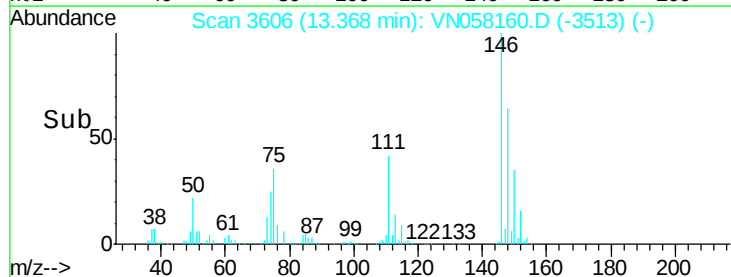
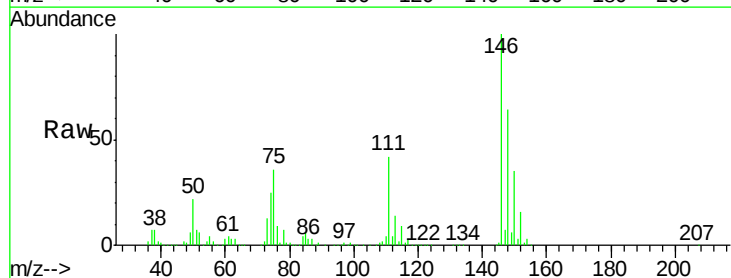
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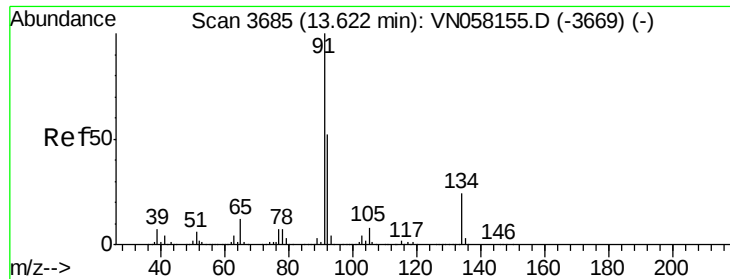
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#88
 1,4-Dichlorobenzene
 Concen: 49.046 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN058160.D
 Acq: 18 Sep 2019 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	626850		
111	41.4	20.5	61.5	
148	63.9	31.9	95.5	





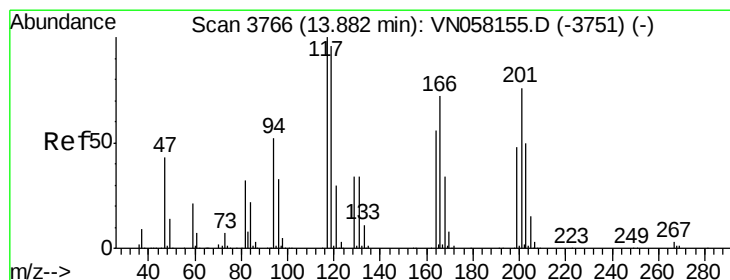
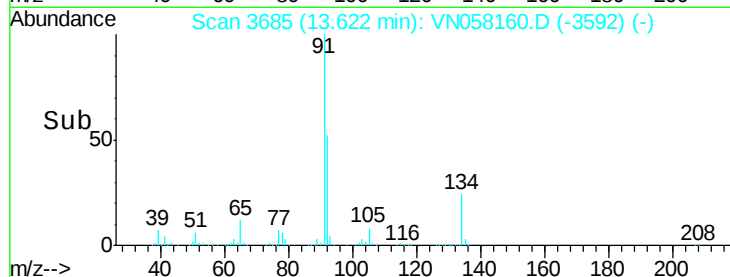
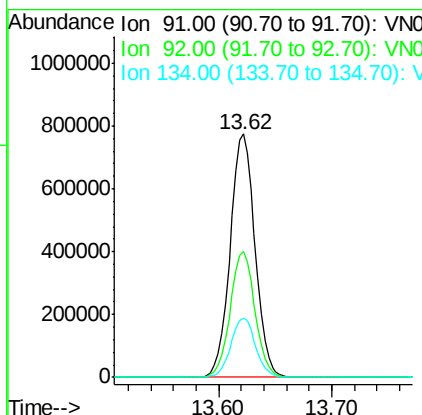
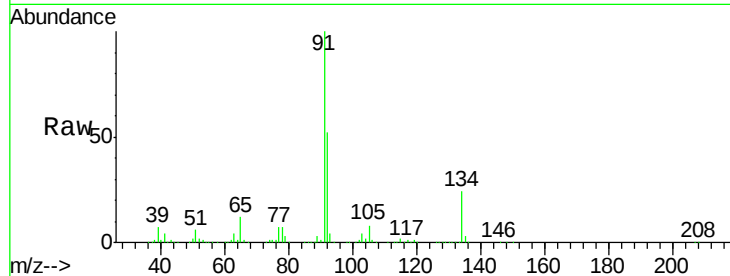
#89
n-Butylbenzene
Concen: 52.121 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN058160.D
Acq: 18 Sep 2019 14:06

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 1180419
Ion Ratio Lower Upper
91 100
92 51.7 25.7 77.0
134 24.3 11.8 35.4

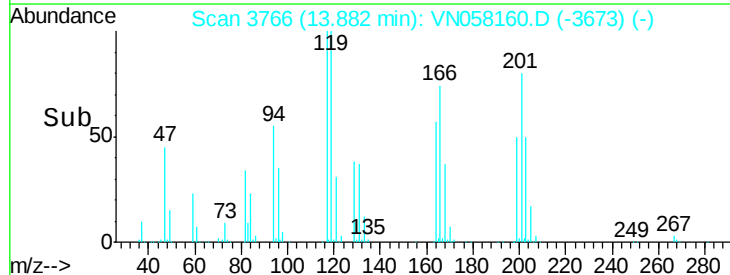
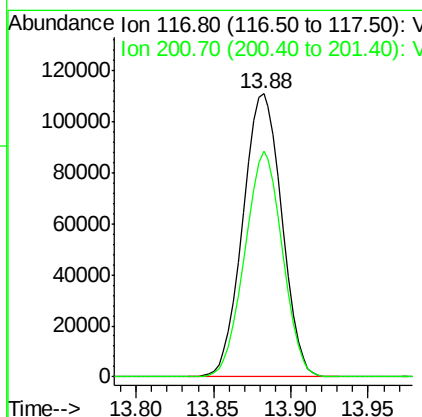
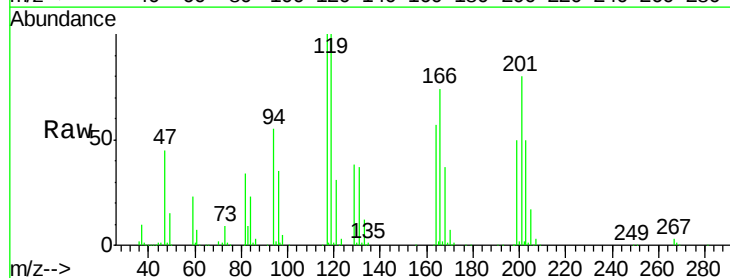
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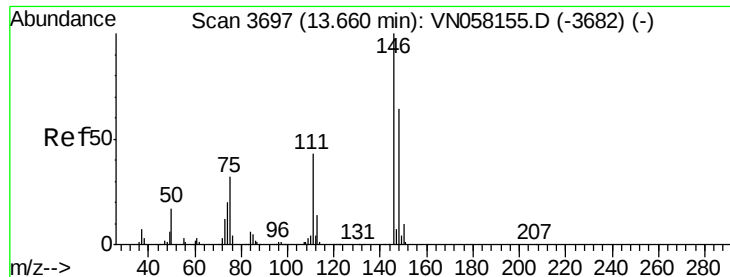
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#90
Hexachloroethane
Concen: 46.610 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058160.D
Acq: 18 Sep 2019 14:06

Tgt Ion: 117 Resp: 194394
Ion Ratio Lower Upper
117 100
201 77.2 37.5 112.5





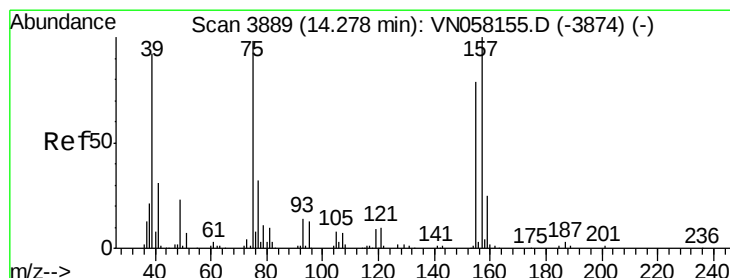
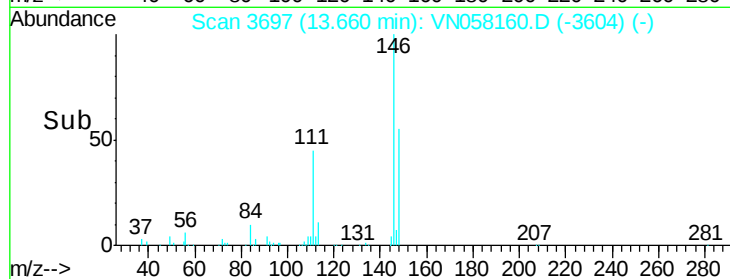
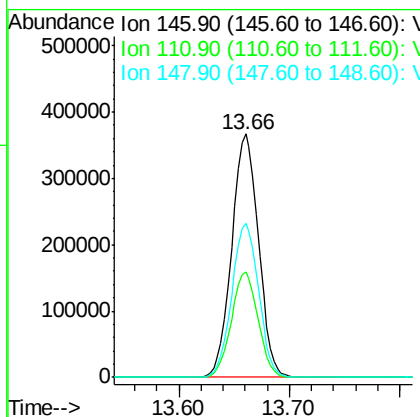
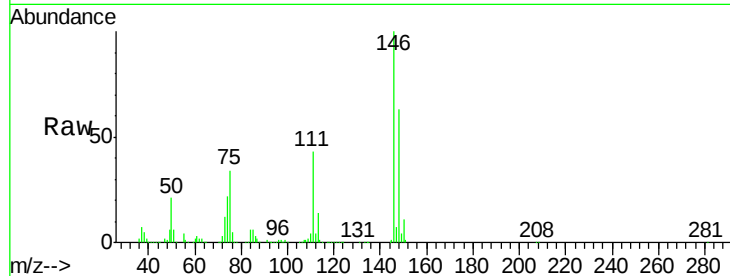
#91
 1,2-Dichlorobenzene
 Concen: 49.168 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN058160.D
 Acq: 18 Sep 2019 14:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.1	63.1
148	63.2	31.8	95.4

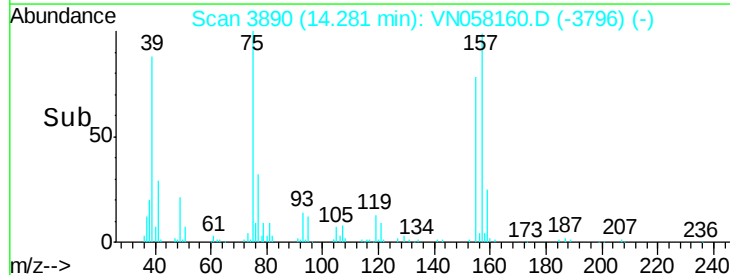
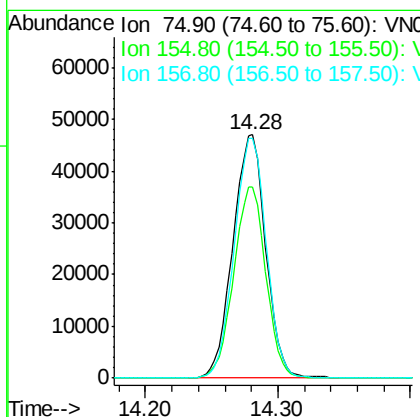
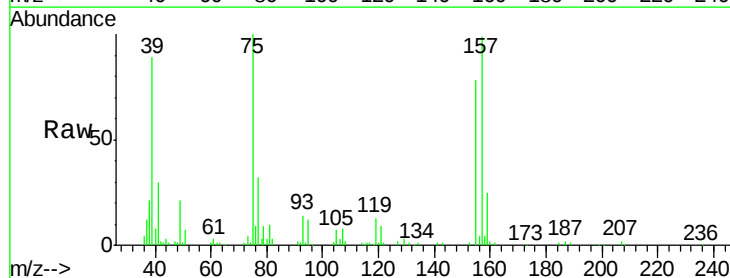
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.246 ug/l
 RT: 14.28 min Scan# 3890
 Delta R.T. 0.00 min
 Lab File: VN058160.D
 Acq: 18 Sep 2019 14:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.7	38.3	114.8
157	95.9	48.0	144.0





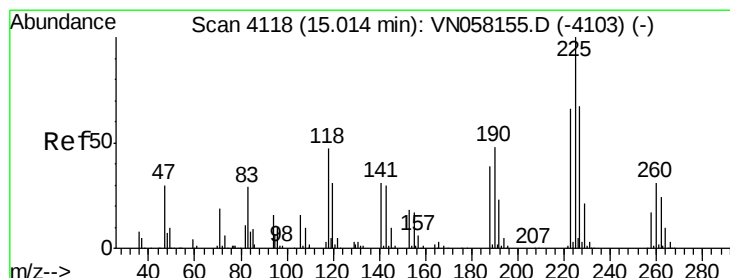
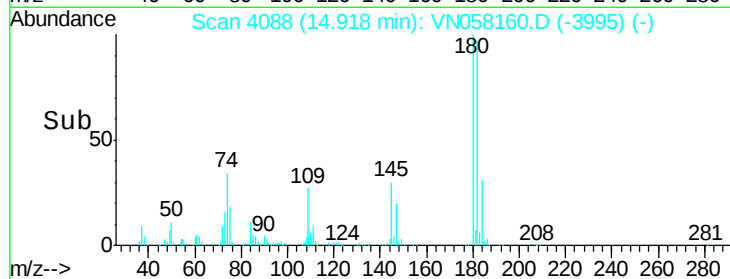
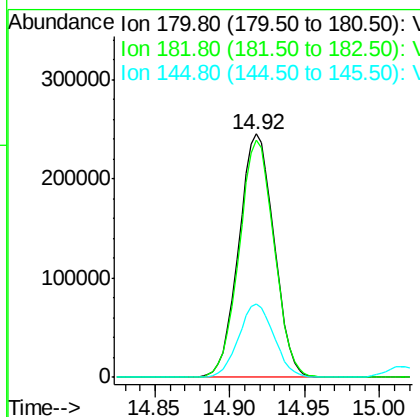
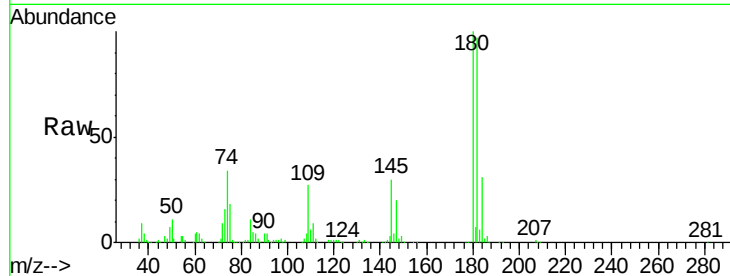
#93
 1,2,4-Trichlorobenzene
 Concen: 50.152 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058160.D
 Acq: 18 Sep 2019 14:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	180	Resp:	402394
Ion Ratio	Lower	Upper	
180	100		
182	96.6	47.8	143.3
145	30.4	15.4	46.4

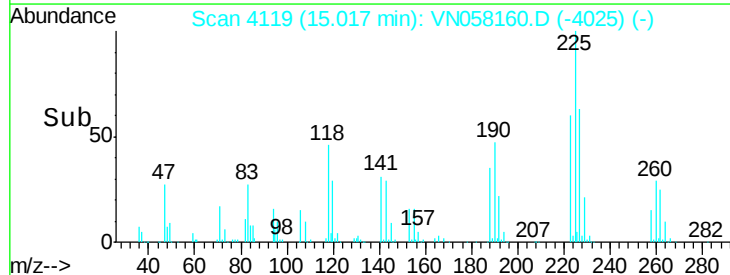
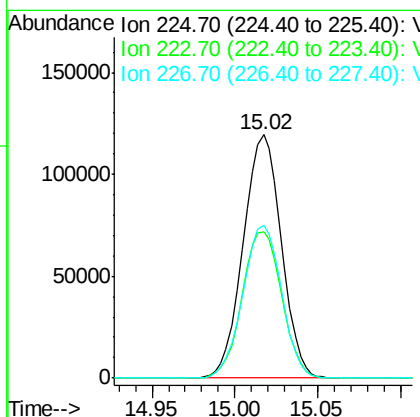
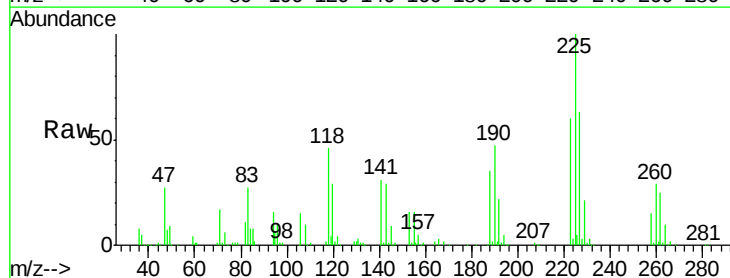
Manual Integrations
 APPROVED

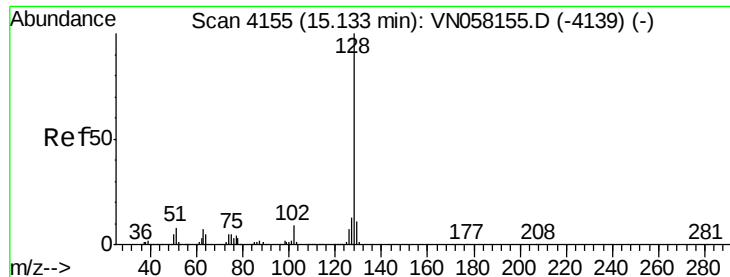
MMDadoda
 9/20/2019 1:43:34 PM



#94
 Hexachlorobutadiene
 Concen: 49.266 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058160.D
 Acq: 18 Sep 2019 14:06

Tgt Ion:	225	Resp:	191057
Ion Ratio	Lower	Upper	
225	100		
223	62.6	32.6	97.7
227	63.7	33.0	99.0





#95

Naphthalene

Concen: 51.284 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN058160.D

Acq: 18 Sep 2019 14:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 1066385

Ion Ratio Lower Upper

128 100

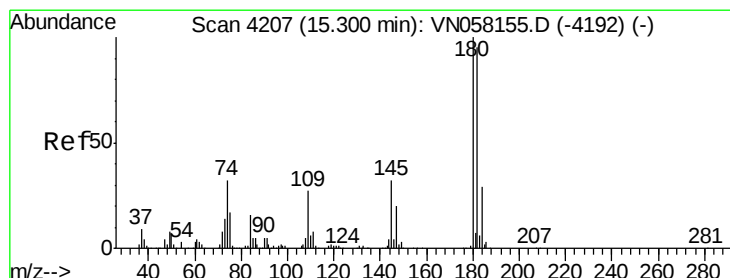
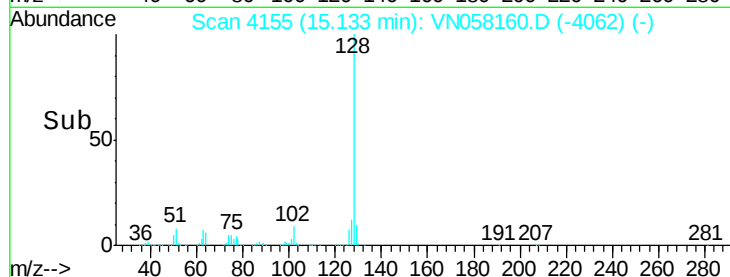
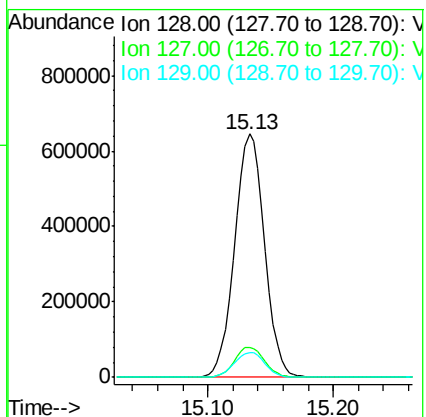
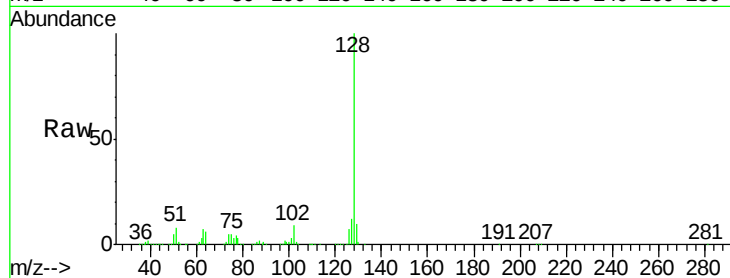
127 12.6 10.2 15.2

129 10.6 8.6 12.8

Manual Integrations
APPROVED

MMDadoda

9/20/2019 1:43:34 PM



#96

1,2,3-Trichlorobenzene

Concen: 48.875 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058160.D

Acq: 18 Sep 2019 14:06

Tgt Ion:180 Resp: 370649

Ion Ratio Lower Upper

180 100

182 96.5 47.4 142.2

145 32.5 16.1 48.2

