

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058305.D
 Acq On : 23 Sep 2019 19:57
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 12:49:34 AM

Quant Time: Sep 24 05:48:02 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	433907	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	742754	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	692094	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	340921	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	322615	53.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.76%	
35) Dibromofluoromethane	7.58	113	227596	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	
50) Toluene-d8	10.09	98	898540	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
62) 4-Bromofluorobenzene	12.41	95	333205	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	153918	43.181	ug/l	97
3) Chloromethane	2.04	50	133613	48.602	ug/l	98
4) Vinyl Chloride	2.17	62	147981	49.240	ug/l	100
5) Bromomethane	2.54	94	79054	49.710	ug/l	97
6) Chloroethane	2.68	64	103452	53.890	ug/l	99
7) Trichlorofluoromethane	3.00	101	218732	44.958	ug/l	99
8) Diethyl Ether	3.39	74	106445	47.749	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	163407	46.584	ug/l	98
10) Methyl Iodide	3.93	142	145442	49.481	ug/l	99
11) Tert butyl alcohol	4.76	59	204855	284.962	ug/l	99
12) 1,1-Dichloroethene	3.72	96	131475	49.384	ug/l	93
13) Acrolein	3.59	56	51250	481.057	ug/l	100
14) Allyl chloride	4.30	41	273724	47.688	ug/l	99
15) Acrylonitrile	4.96	53	562496	293.683	ug/l	99
16) Acetone	3.80	43	494378	240.996	ug/l	99
17) Carbon Disulfide	4.03	76	151245	40.416	ug/l	99
18) Methyl Acetate	4.30	43	299879	55.555	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	699089	52.839	ug/l	99
20) Methylene Chloride	4.53	84	188345	52.452	ug/l	96
21) trans-1,2-Dichloroethene	5.02	96	142117	48.984	ug/l	97
22) Diisopropyl ether	5.93	45	767462	52.636	ug/l	97
23) Vinyl Acetate	5.87	43	2805257	281.174	ug/l	100
24) 1,1-Dichloroethane	5.83	63	392907	50.489	ug/l	99
25) 2-Butanone	6.81	43	793452	283.905	ug/l	99
26) 2,2-Dichloropropane	6.81	77	289258	43.814	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	218920	49.752	ug/l	99
28) Bromochloromethane	7.18	49	202952	55.130	ug/l	98
29) Tetrahydrofuran	7.19	42	488821	283.949	ug/l	100
30) Chloroform	7.36	83	426909	50.964	ug/l	98
31) Cyclohexane	7.64	56	236963	46.961	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	328444	51.505	ug/l	99
36) 1,1-Dichloropropene	7.78	75	237450	44.330	ug/l	99
37) Ethyl Acetate	6.91	43	311489	56.036	ug/l	98
38) Carbon Tetrachloride	7.76	117	253555	47.091	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	227860	44.006	ug/l	97
40) Benzene	8.03	78	797676	48.757	ug/l	99
41) Methacrylonitrile	7.16	41	148079m	52.826	ug/l	
42) 1,2-Dichloroethane	8.11	62	343891	50.095	ug/l	100
43) Isopropyl Acetate	8.15	43	544352	52.435	ug/l	100
44) Trichloroethene	8.82	130	192078	47.977	ug/l	100
45) 1,2-Dichloropropane	9.11	63	247730	50.704	ug/l	98
46) Dibromomethane	9.20	93	151568	51.025	ug/l	97
47) Bromodichloromethane	9.40	83	327337	52.601	ug/l	100
48) Methyl methacrylate	9.19	41	259194	54.988	ug/l	99
49) 1,4-Dioxane	9.19	88	90080	1163.986	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1734126	314.484	ug/l	99
52) Toluene	10.15	92	500644	48.829	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	334950	52.545	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	358538	50.944	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	249265	54.783	ug/l	99
56) Ethyl methacrylate	10.43	69	365782	55.717	ug/l	99
57) 1,3-Dichloropropane	10.71	76	411181	52.567	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	896767	286.776	ug/l	100
59) 2-Hexanone	10.75	43	1257694	307.103	ug/l	99
60) Dibromochloromethane	10.90	129	237610	54.281	ug/l	99
61) 1,2-Dibromoethane	11.00	107	220942	52.397	ug/l	98
64) Tetrachloroethene	10.63	164	154311	45.738	ug/l	98
65) Chlorobenzene	11.44	112	588915	48.377	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	229345	51.957	ug/l	100
67) Ethyl Benzene	11.51	91	1046454	50.168	ug/l	100
68) m/p-Xylenes	11.62	106	760410	96.792	ug/l	97
69) o-Xylene	11.95	106	388563	50.300	ug/l	99
70) Styrene	11.97	104	684630	51.438	ug/l	99
71) Bromoform	12.13	173	153240	47.053	ug/l #	100
73) Isopropylbenzene	12.25	105	1095859	51.354	ug/l	99
74) N-amyl acetate	12.08	43	511746	57.324	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	399743	55.939	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	320902m	52.595	ug/l	
77) Bromobenzene	12.53	156	259262	48.300	ug/l	96
78) n-propylbenzene	12.60	91	1286133	53.038	ug/l	99
79) 2-Chlorotoluene	12.68	91	775621	51.179	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	945715	52.408	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.31	75	92989	45.896	ug/l	96
82) 4-Chlorotoluene	12.78	91	813276	51.052	ug/l	99
83) tert-Butylbenzene	13.00	119	839649	52.177	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	967782	53.892	ug/l	99
85) sec-Butylbenzene	13.18	105	1111430	52.816	ug/l	100
86) p-Isopropyltoluene	13.30	119	990422	52.942	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	500805	51.081	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	499847	49.939	ug/l	99
89) n-Butylbenzene	13.62	91	890704	50.219	ug/l	99
90) Hexachloroethane	13.88	117	154993	47.402	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	508283	51.683	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	74913	58.229	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	302777	48.185	ug/l	99
94) Hexachlorobutadiene	15.02	225	137211	45.179	ug/l	97
95) Naphthalene	15.14	128	872390	53.572	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	289282	48.708	ug/l	100

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

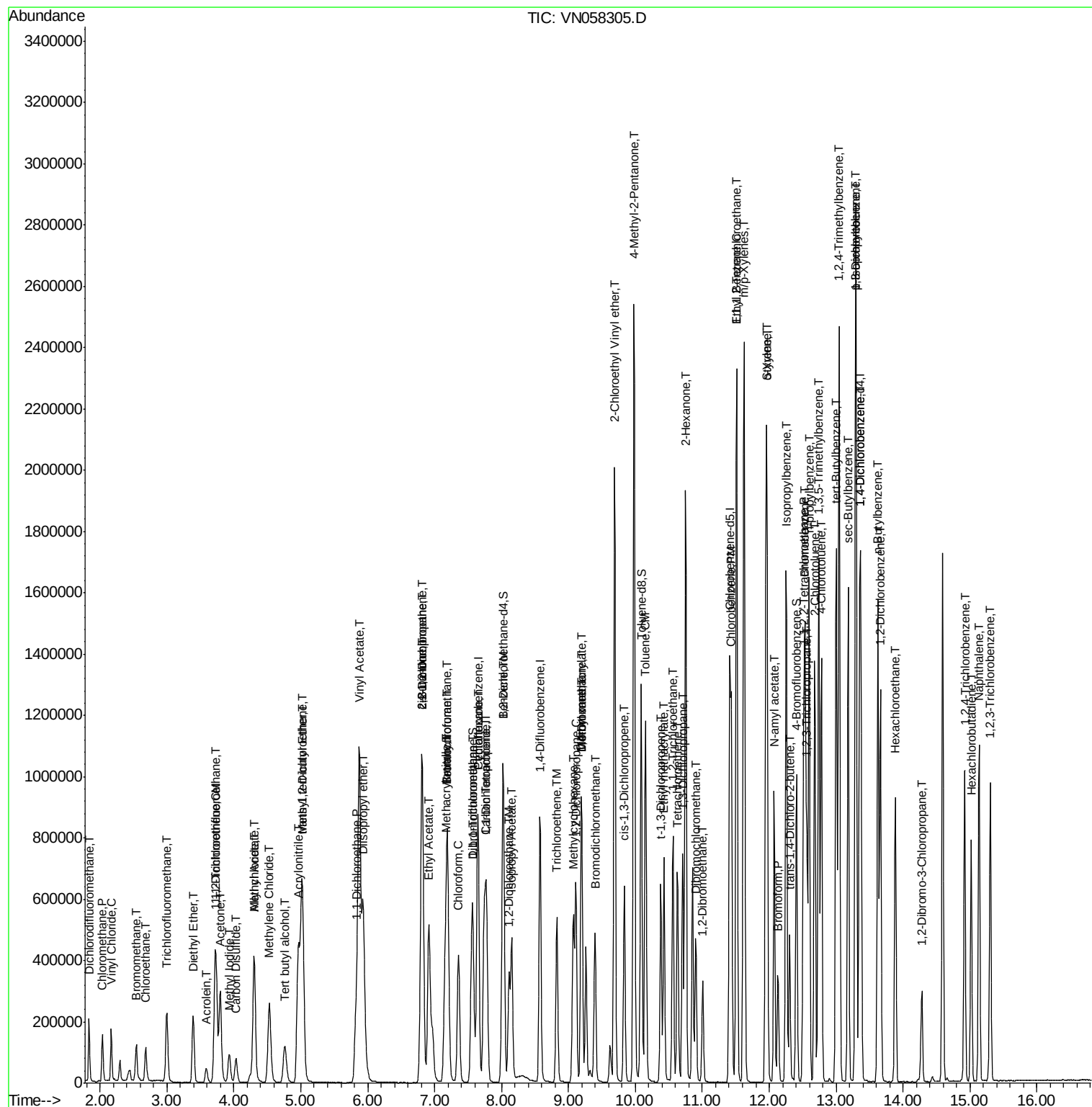
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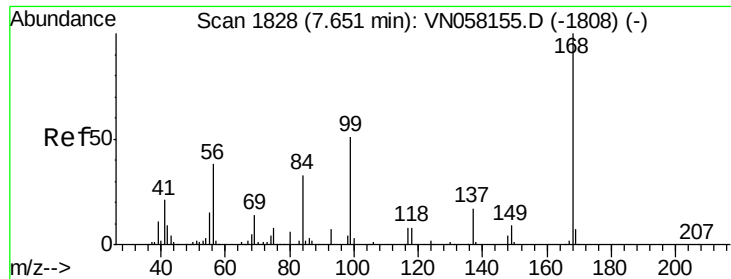
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN058305.D

Acq: 23 Sep 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 433907

Ion Ratio Lower Upper

168 100

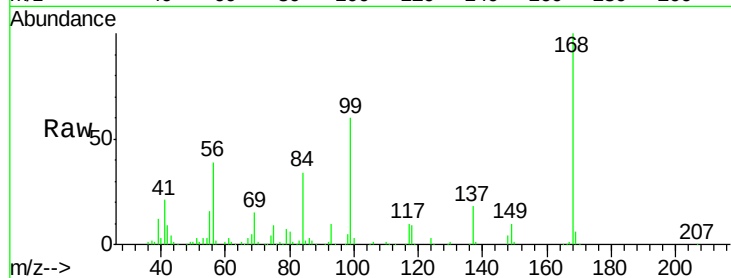
99 59.5 47.4 71.2

Manual Integrations

APPROVED

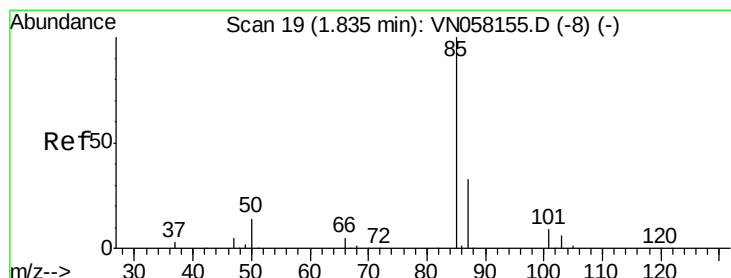
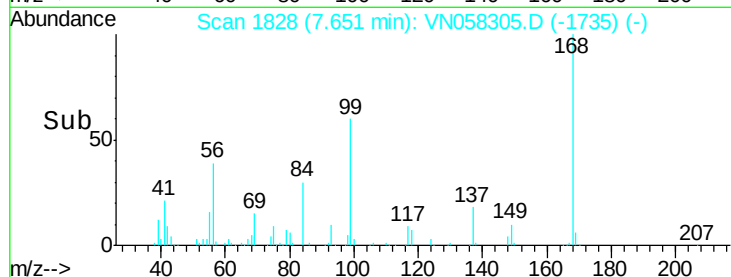
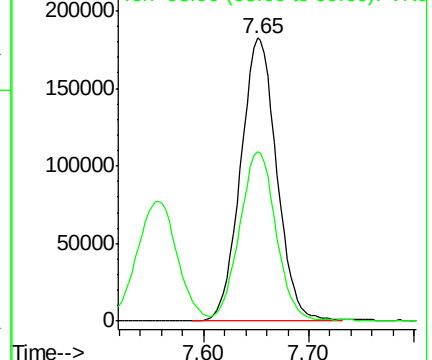
MMDadoda

9/25/2019 12:49:34 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 43.181 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058305.D

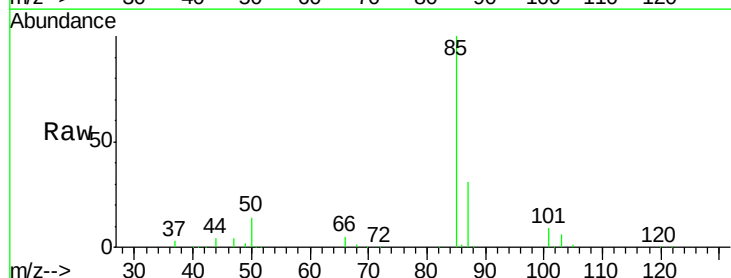
Acq: 23 Sep 2019 19:57

Tgt Ion: 85 Resp: 153918

Ion Ratio Lower Upper

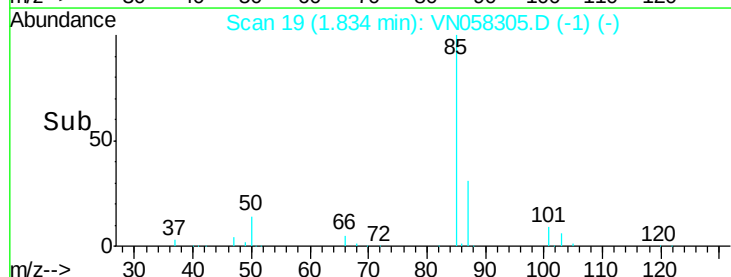
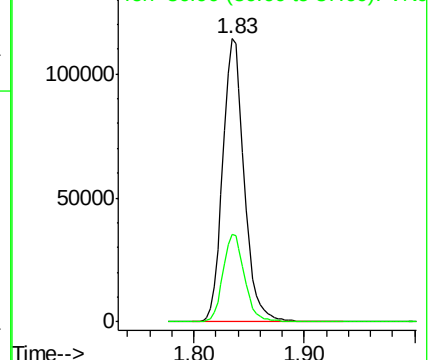
85 100

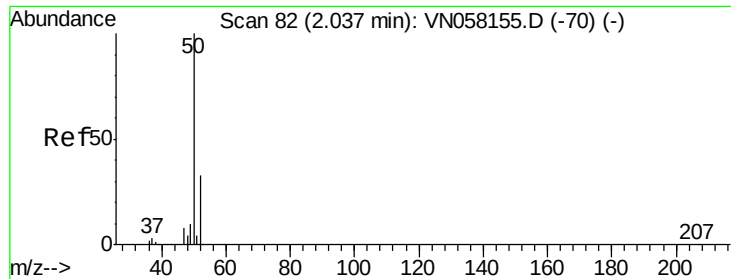
87 31.0 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 48.602 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058305.D

Acq: 23 Sep 2019 19:57

Tot Ion: 50 Resp: 133613

Ion Ratio Lower Upper

50 100

52 33.9 26.3 39.5

Instrument :

MSVOA_N

ClientSampleId :

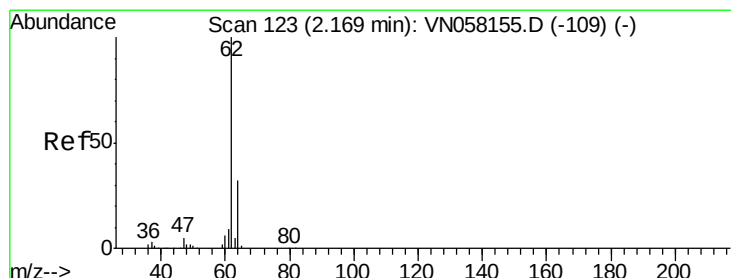
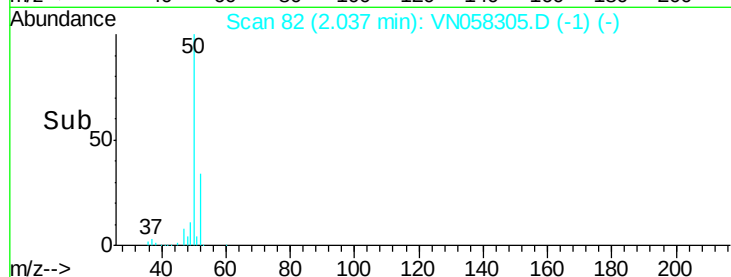
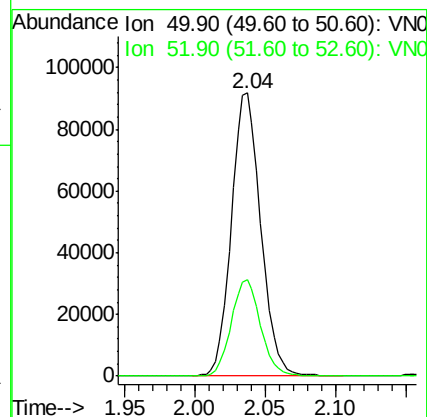
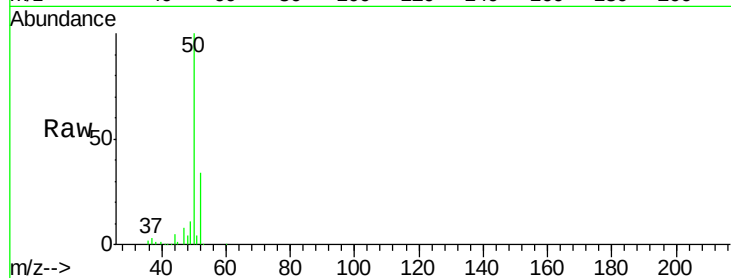
VSTDCCC050EC

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.240 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058305.D

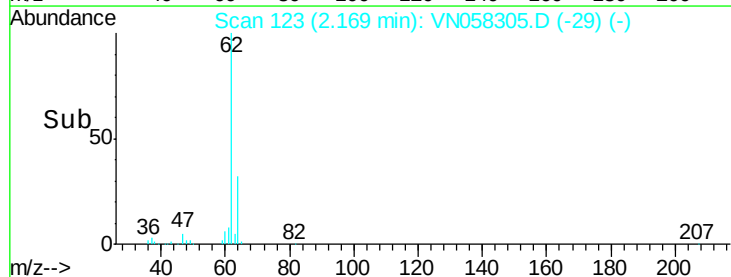
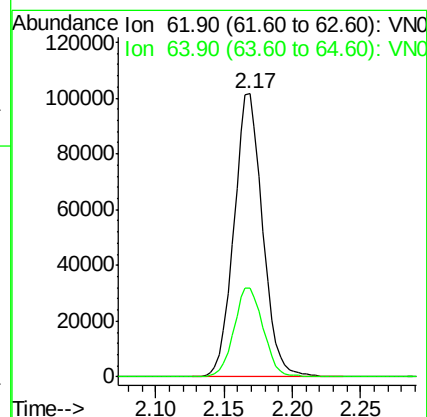
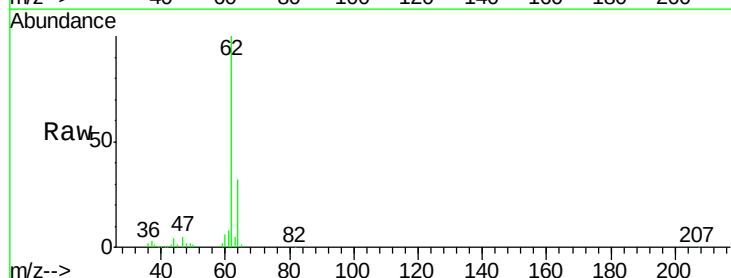
Acq: 23 Sep 2019 19:57

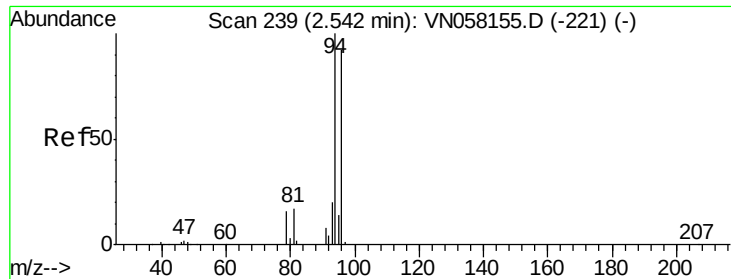
Tgt Ion: 62 Resp: 147981

Ion Ratio Lower Upper

62 100

64 31.6 25.4 38.2





#5

Bromomethane

Concen: 49.710 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN058305.D

Acq: 23 Sep 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 79054

Ion Ratio Lower Upper

94 100

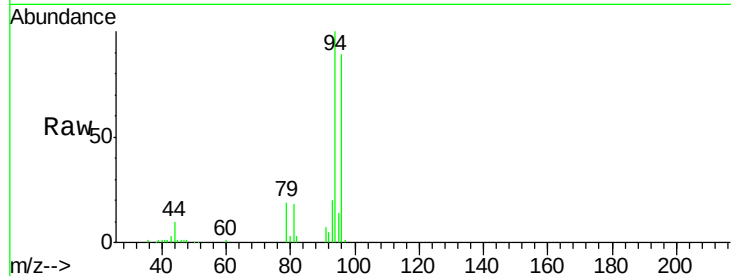
96 88.8 73.3 109.9

Manual Integrations

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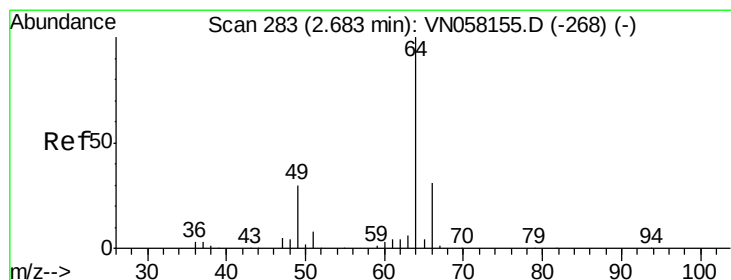
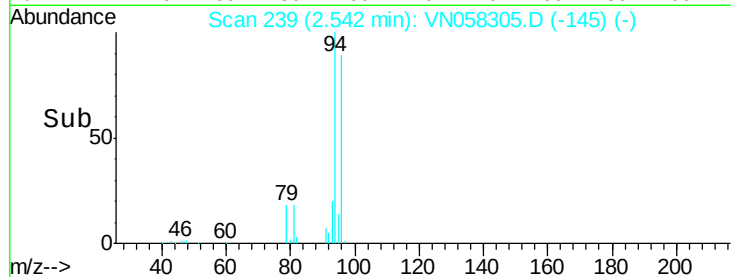
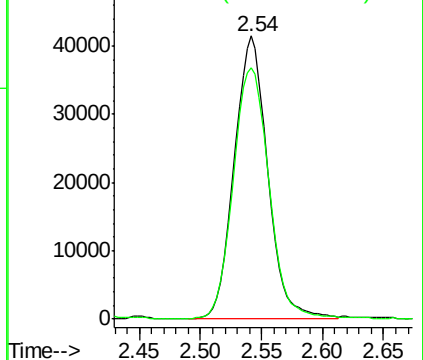
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 53.890 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058305.D

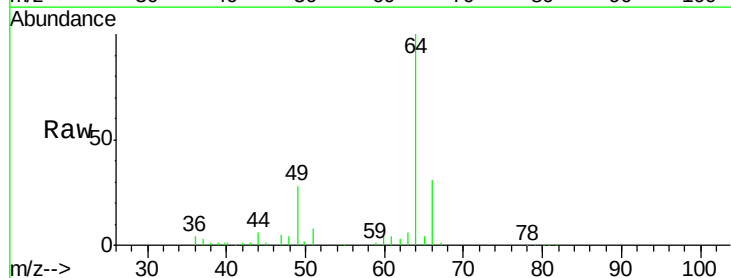
Acq: 23 Sep 2019 19:57

Tgt Ion: 64 Resp: 103452

Ion Ratio Lower Upper

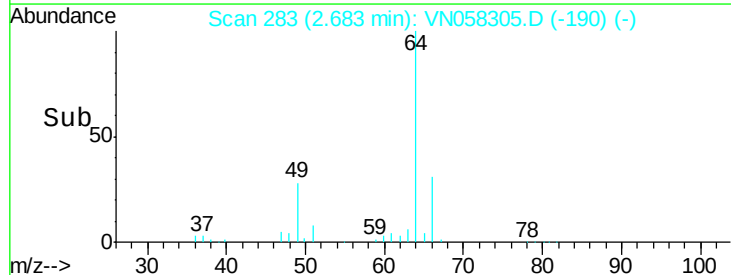
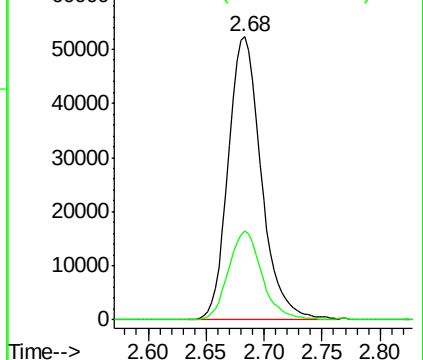
64 100

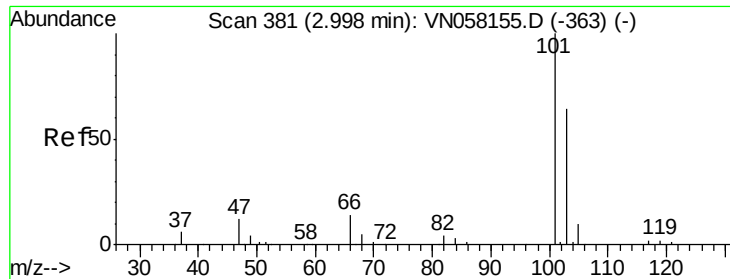
66 31.5 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

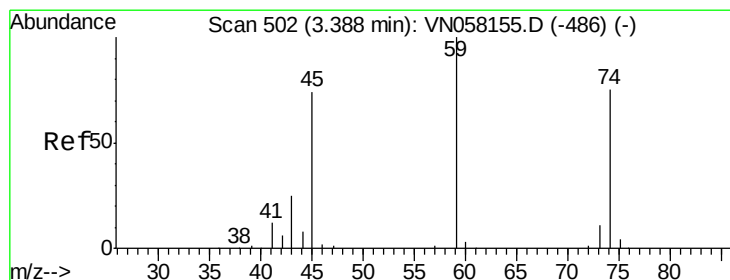
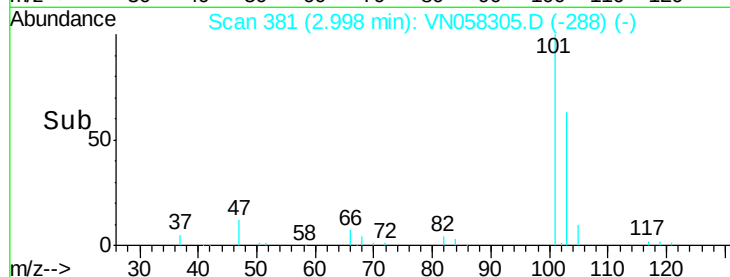
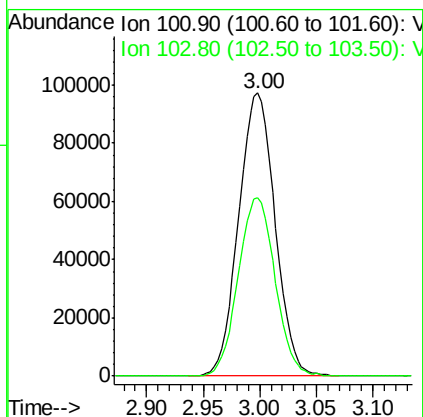
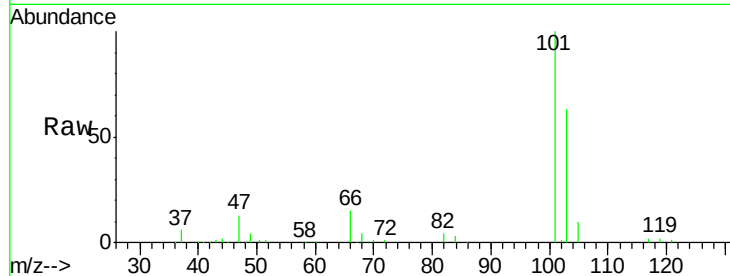
Trichlorofluoromethane
Concen: 44.958 ug/l
RT: 3.00 min Scan# 381
Delta R.T. -0.00 min
Lab File: VN058305.D
Acq: 23 Sep 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:101 Resp: 218732
Ion Ratio Lower Upper
101 100
103 63.1 51.0 76.6

Manual Integrations
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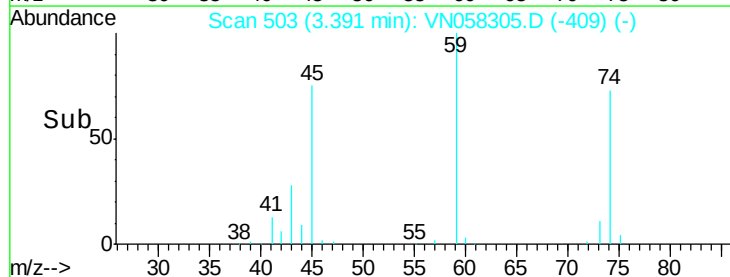
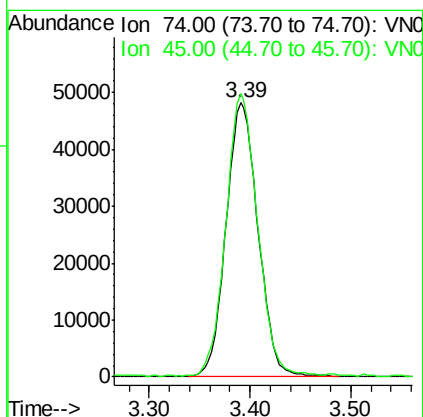
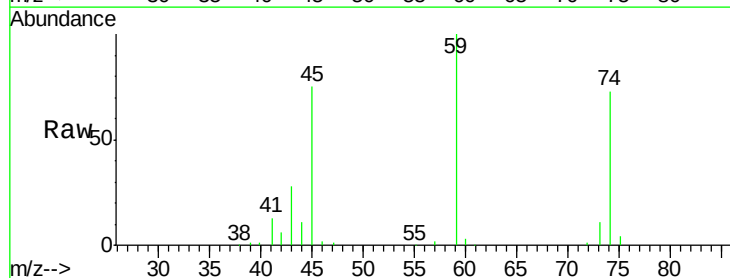
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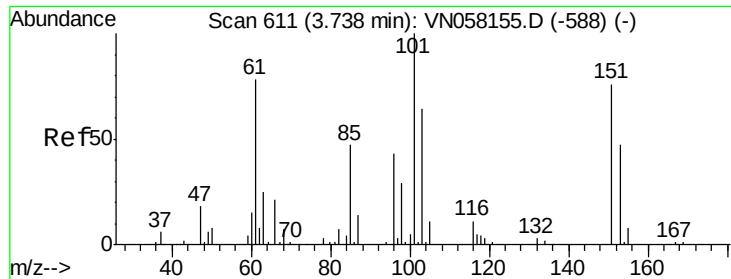


#8

Diethyl Ether
Concen: 47.749 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058305.D
Acq: 23 Sep 2019 19:57

Tgt Ion: 74 Resp: 106445
Ion Ratio Lower Upper
74 100
45 101.6 48.5 145.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.584 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN058305.D

Acq: 23 Sep 2019 19:57

Instrument :

MSVOA_N

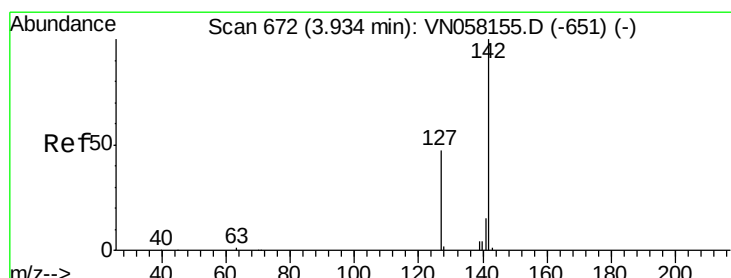
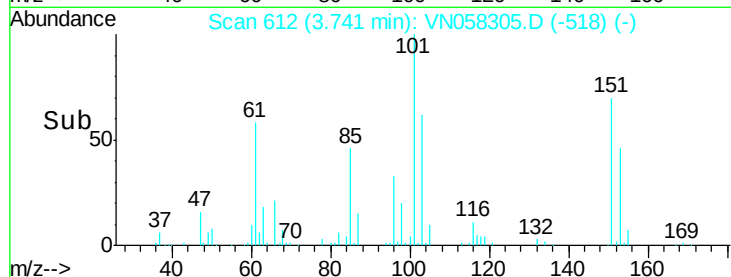
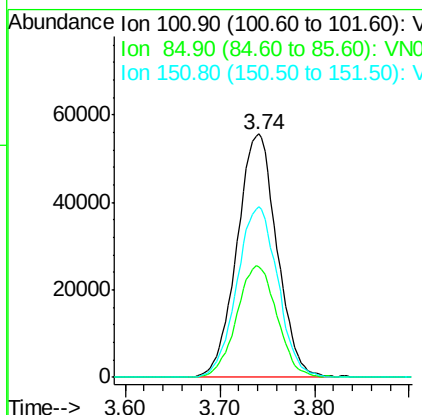
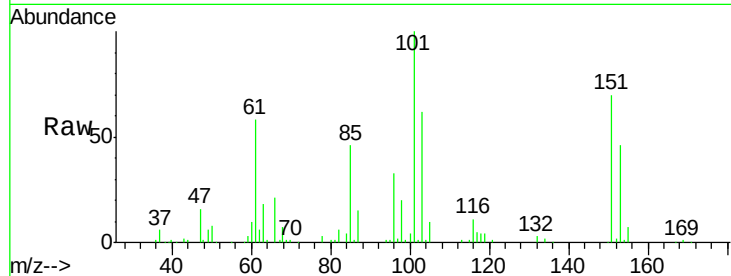
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	163407
Ion Ratio	Lower	Upper	
101	100		
85	46.2	37.3	55.9
151	71.4	59.6	89.4

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#10

Methyl Iodide

Concen: 49.481 ug/l

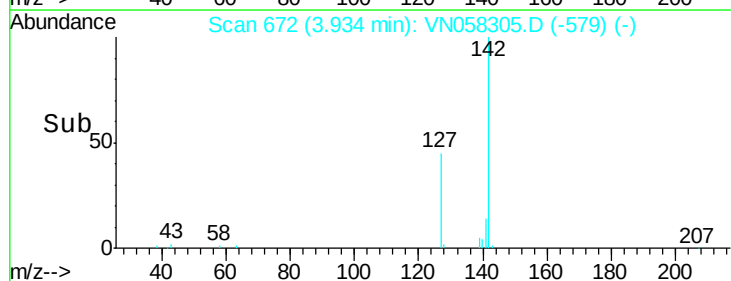
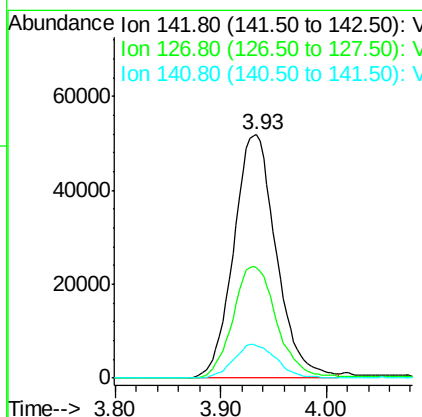
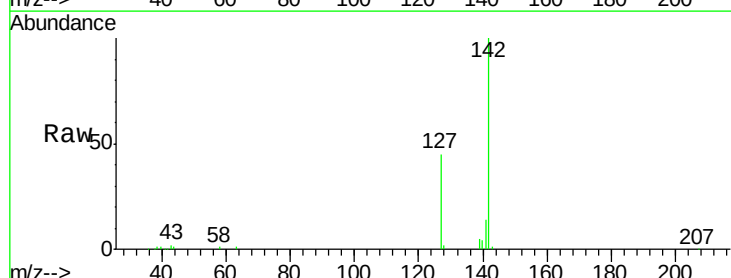
RT: 3.93 min Scan# 672

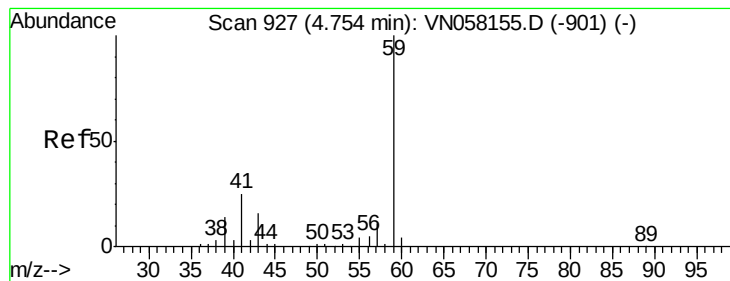
Delta R.T. -0.00 min

Lab File: VN058305.D

Acq: 23 Sep 2019 19:57

Tgt Ion:	142	Resp:	145442
Ion Ratio	Lower	Upper	
142	100		
127	47.5	37.5	56.3
141	13.8	11.4	17.2





#11

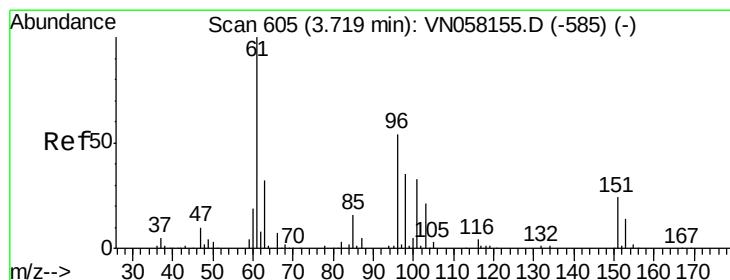
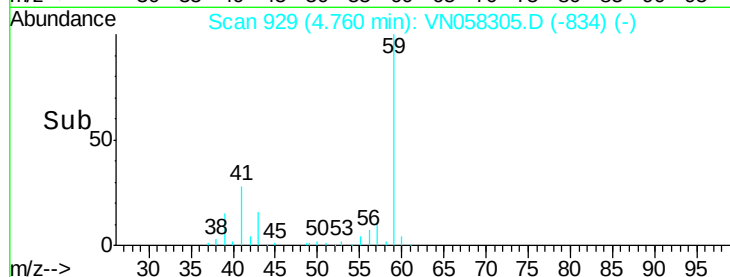
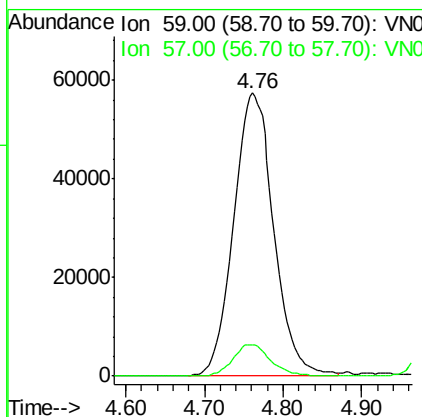
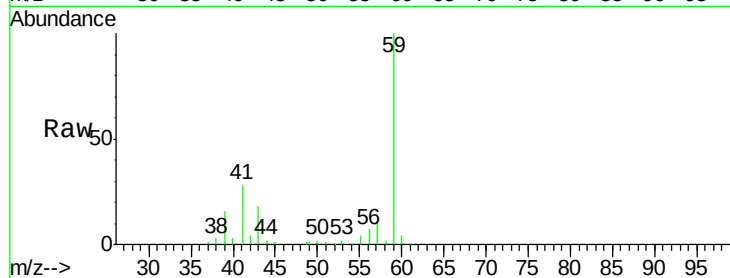
Tert butyl alcohol
 Concen: 284.962 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. 0.01 min
 Lab File: VN058305.D
 Acq: 23 Sep 2019 19:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
59	100	204855		
57	10.6		8.6	13.0

Manual Integrations
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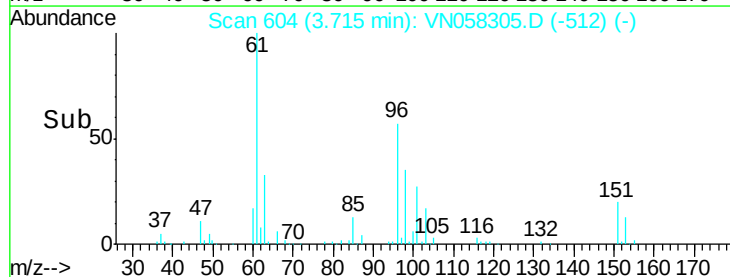
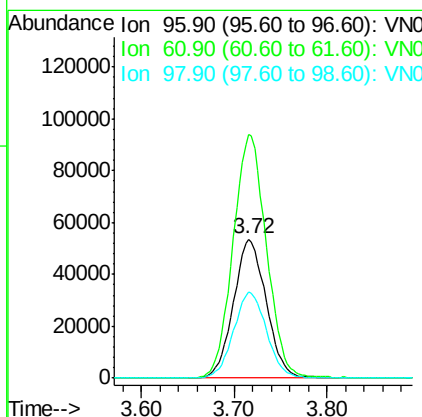
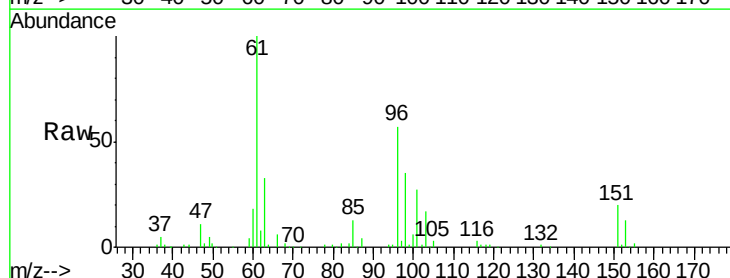
MMDadoda
 9/25/2019 12:49:34 AM

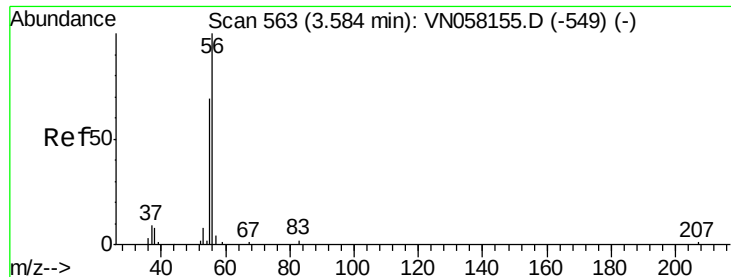


#12

1,1-Dichloroethene
 Concen: 49.384 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN058305.D
 Acq: 23 Sep 2019 19:57

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	131475		
61	175.0		149.5	224.3
98	61.7		52.4	78.6





#13

Acrolein

Concen: 481.057 ug/l

RT: 3.59 min Scan# 565

Delta R.T. 0.01 min

Lab File: VN058305.D

Acq: 23 Sep 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 51250

Ion Ratio Lower Upper

56 100

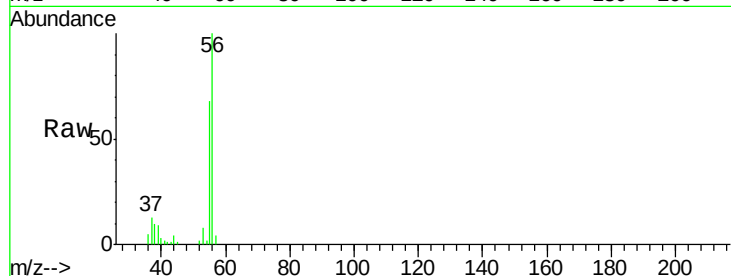
55 69.8 56.1 84.1

Manual Integrations

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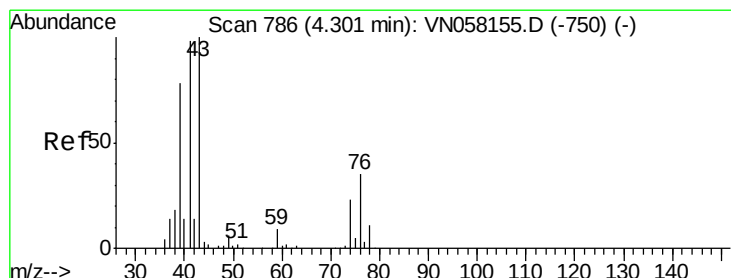
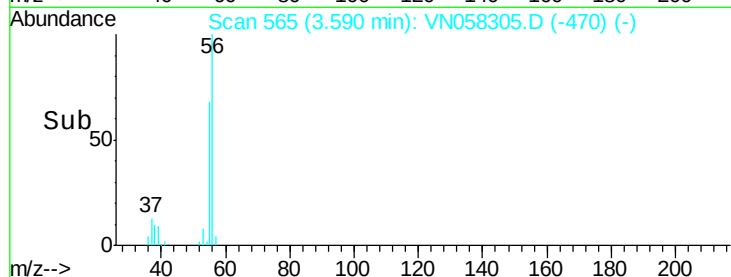
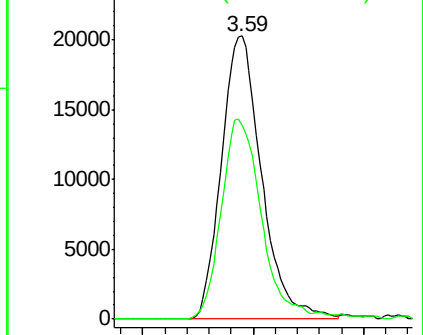
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 47.688 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.00 min

Lab File: VN058305.D

Acq: 23 Sep 2019 19:57

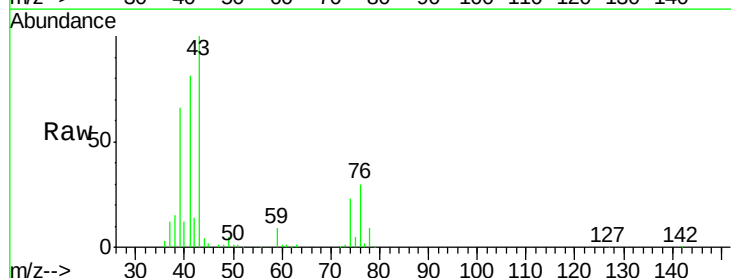
Tgt Ion: 41 Resp: 273724

Ion Ratio Lower Upper

41 100

39 74.5 59.1 88.7

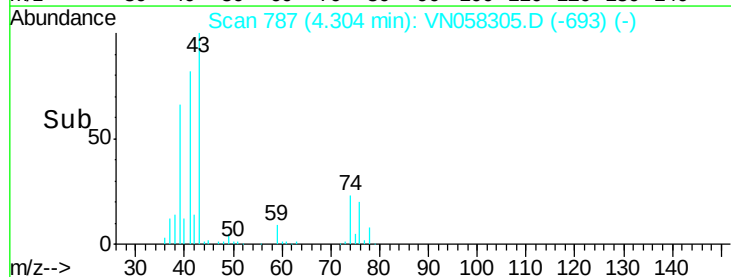
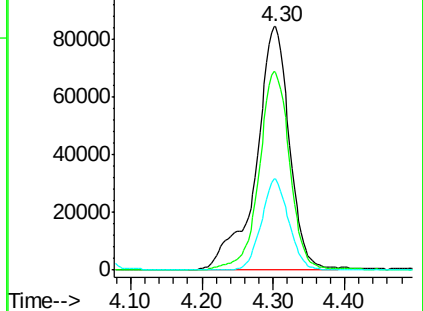
76 30.6 25.1 37.7

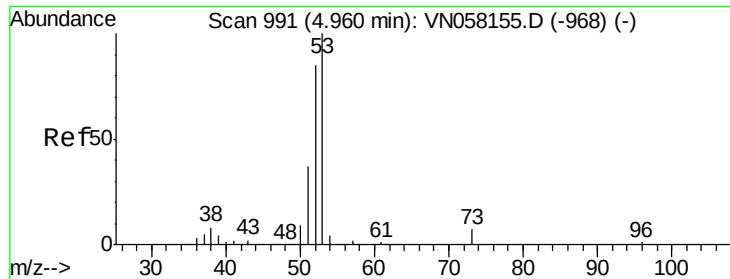


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 293.683 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN058305.D

Acq: 23 Sep 2019 19:57

Instrument :

MSVOA_N

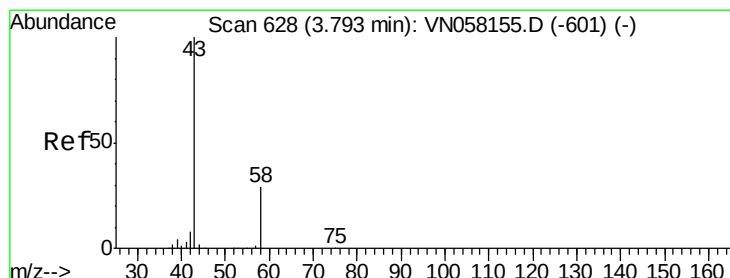
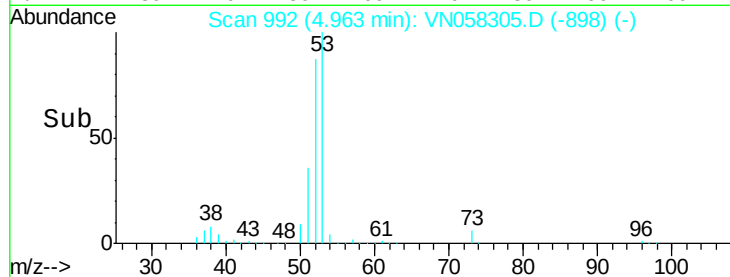
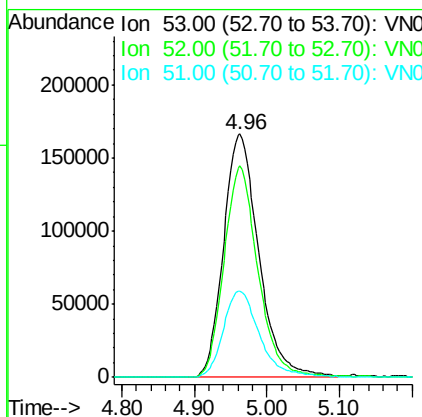
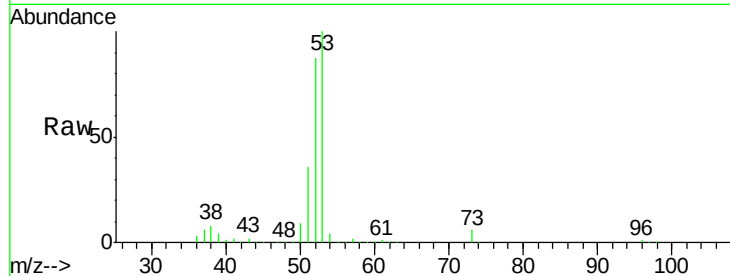
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	562496
Ion	Ratio	Lower	Upper
53	100		
52	83.7	66.6	100.0
51	36.5	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 240.996 ug/l

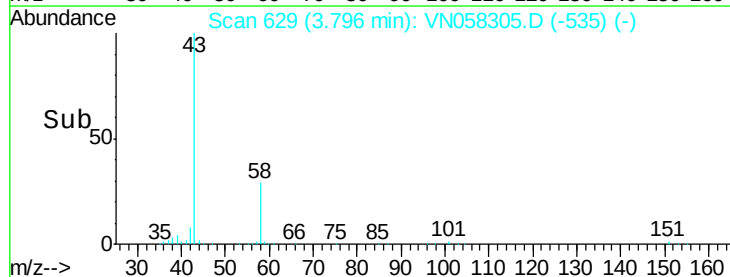
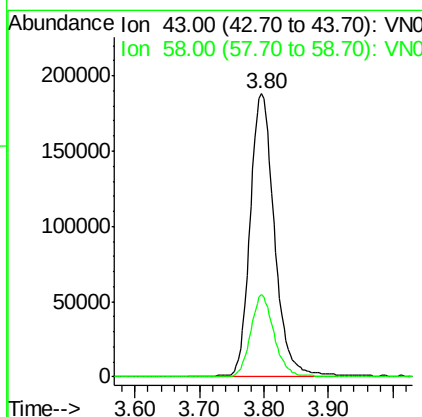
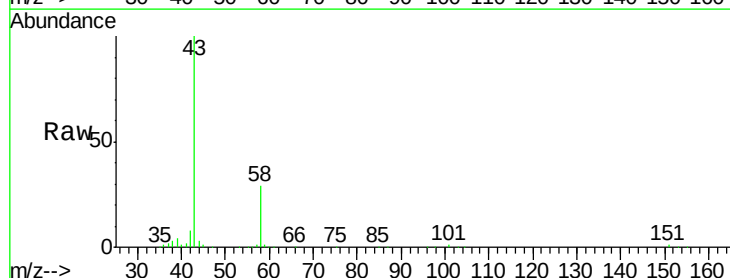
RT: 3.80 min Scan# 629

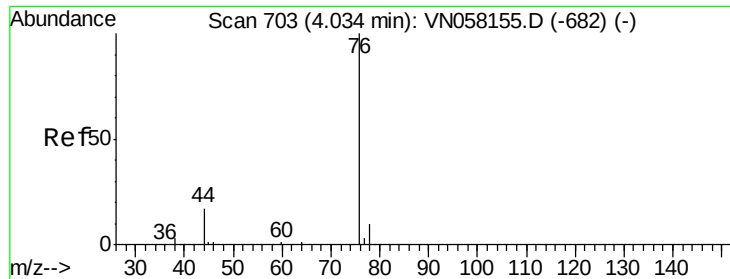
Delta R.T. 0.00 min

Lab File: VN058305.D

Acq: 23 Sep 2019 19:57

Tgt Ion:	43	Resp:	494378
Ion	Ratio	Lower	Upper
43	100		
58	28.9	23.4	35.2





#17

Carbon Disulfide

Concen: 40.416 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN058305.D

Acq: 23 Sep 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 151245

Ion Ratio Lower Upper

76 100

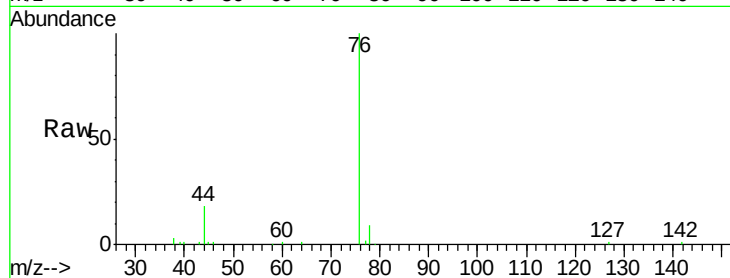
78 9.2 7.7 11.5

Manual Integrations

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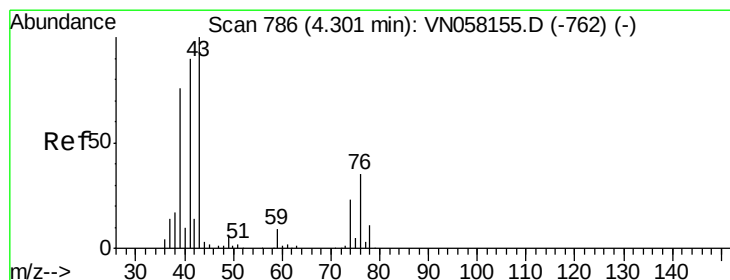
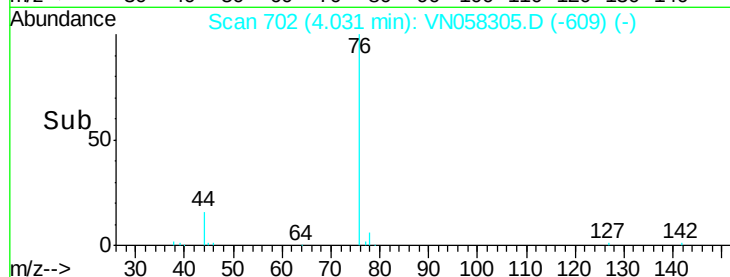
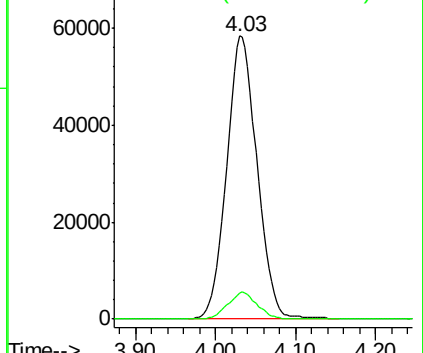
MMDadoda

9/25/2019 12:49:34 AM



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 55.555 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.00 min

Lab File: VN058305.D

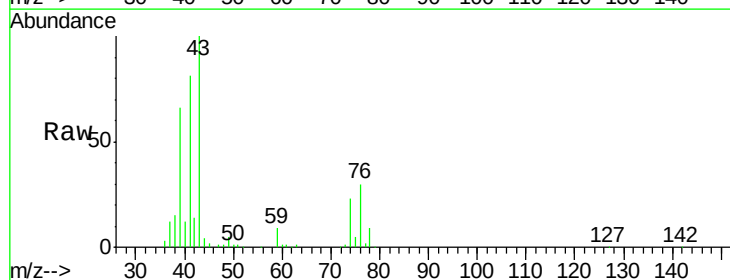
Acq: 23 Sep 2019 19:57

Tgt Ion: 43 Resp: 299879

Ion Ratio Lower Upper

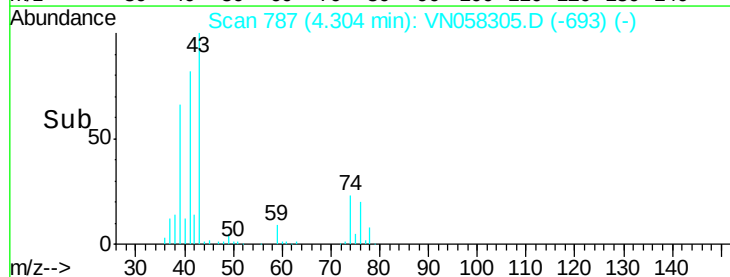
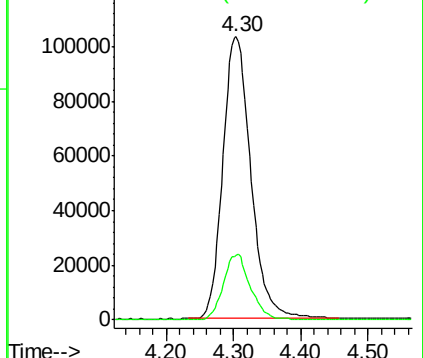
43 100

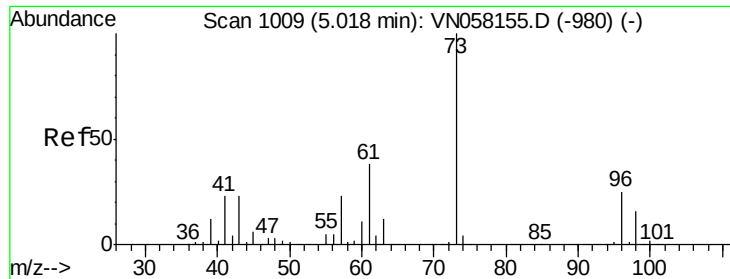
74 22.5 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





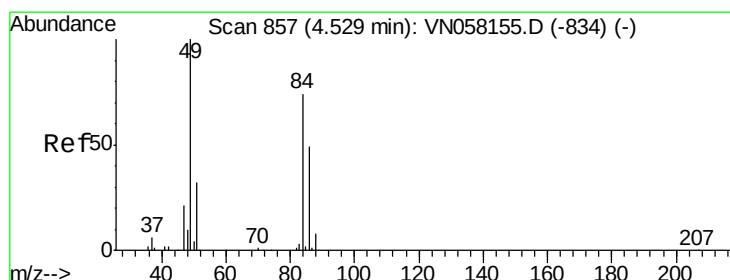
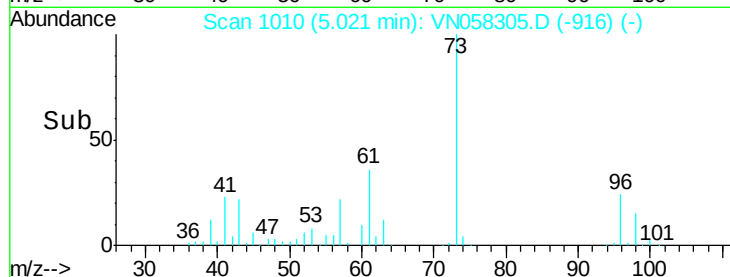
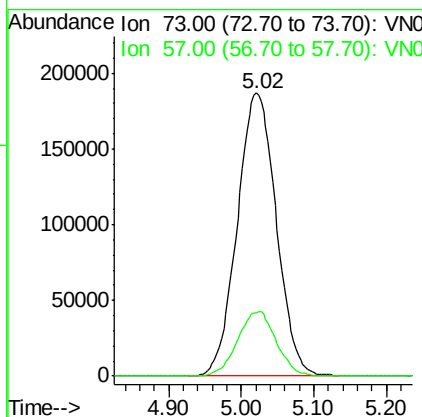
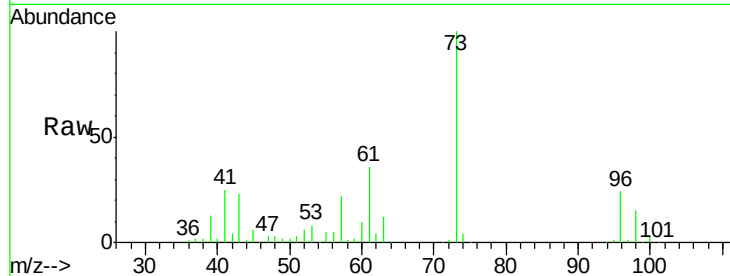
#19
Methyl tert-butyl Ether
Concen: 52.839 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058305.D
Acq: 23 Sep 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 699089
Ion Ratio Lower Upper
73 100
57 22.3 18.1 27.1

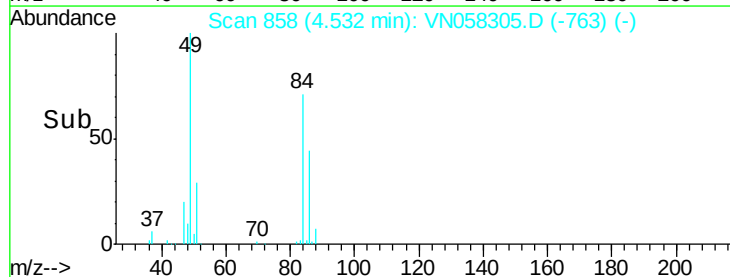
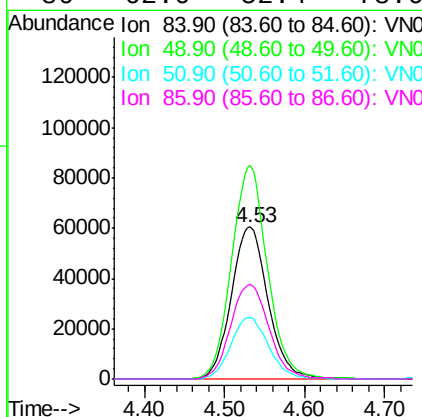
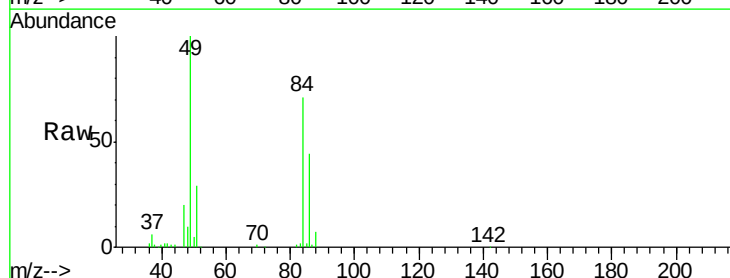
Manual Integrations
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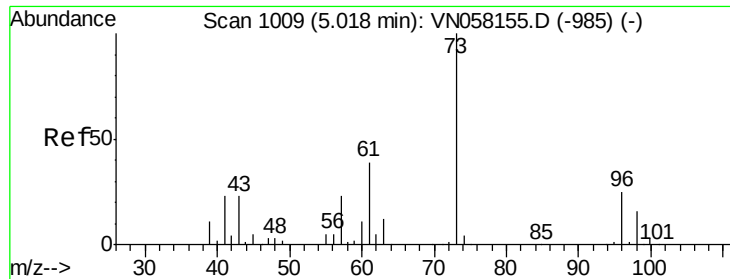
MMDadoda
9/25/2019 12:49:34 AM



#20
Methylene Chloride
Concen: 52.452 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.00 min
Lab File: VN058305.D
Acq: 23 Sep 2019 19:57

Tgt Ion: 84 Resp: 188345
Ion Ratio Lower Upper
84 100
49 140.4 107.5 161.3
51 40.8 33.9 50.9
86 62.0 52.4 78.6





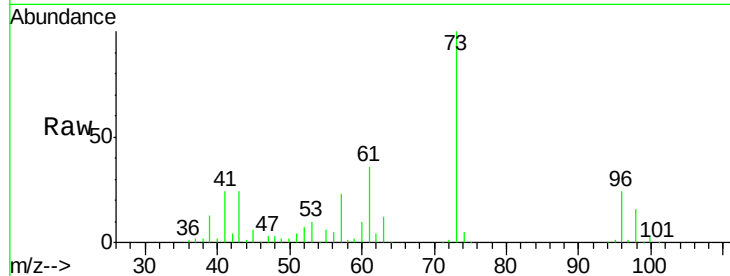
#21
trans-1,2-Dichloroethene
Concen: 48.984 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058305.D
Acq: 23 Sep 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.8	122.2	183.4
98	64.2	49.9	74.9

Manual Integrations
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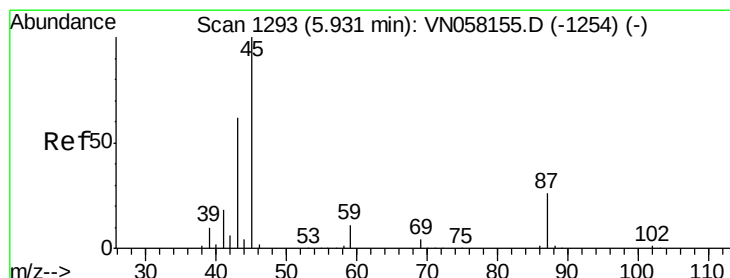
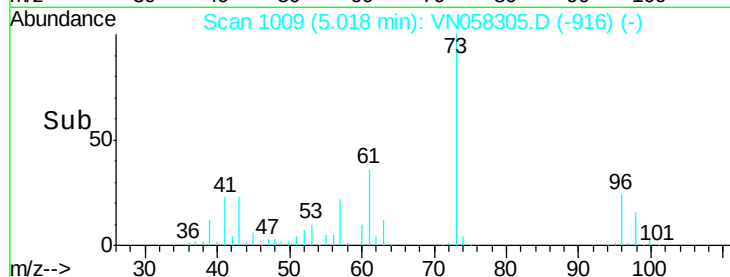
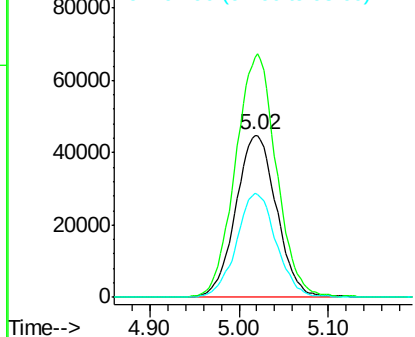


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22
Diisopropyl ether
Concen: 52.636 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VN058305.D
Acq: 23 Sep 2019 19:57

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.0	49.7	74.5
87	26.4	20.7	31.1
59	11.6	9.1	13.7

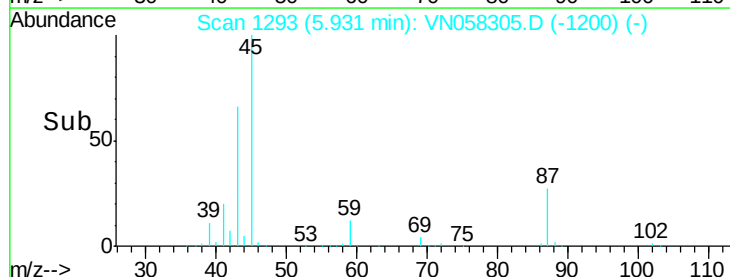
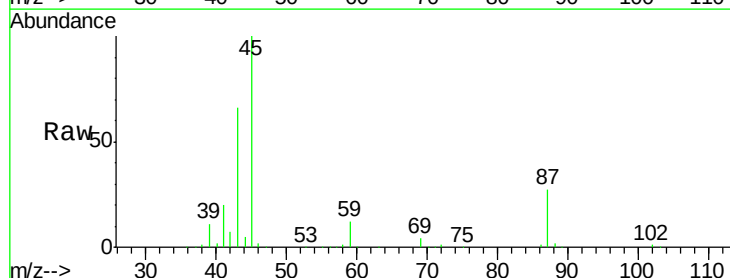
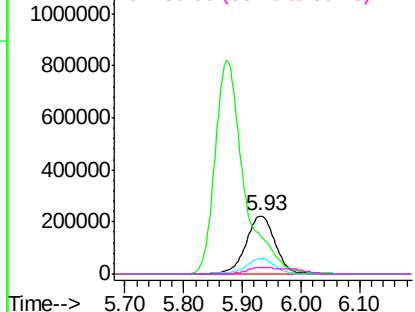
Abundance

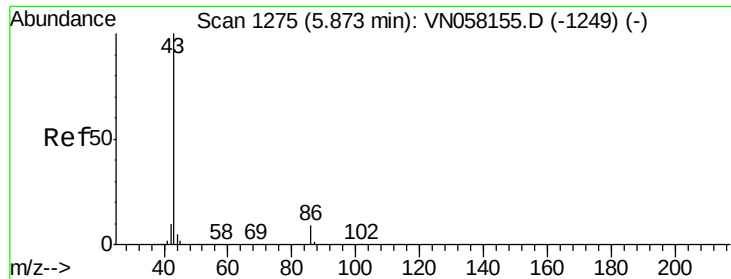
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 281.174 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VN058305.D

Acq: 23 Sep 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2805257

Ion Ratio Lower Upper

43 100

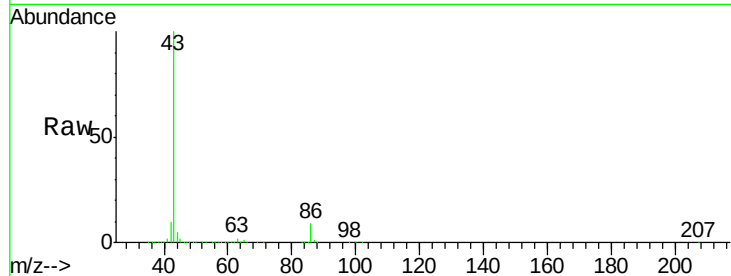
86 9.5 7.4 11.2

Manual Integrations

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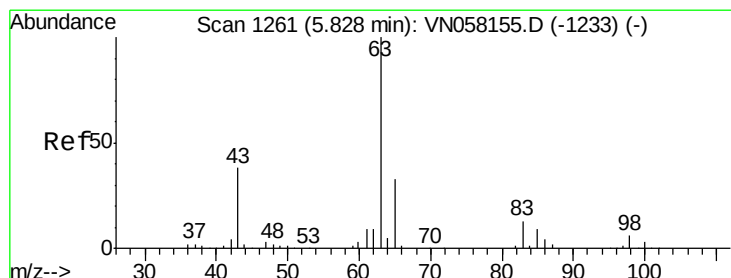
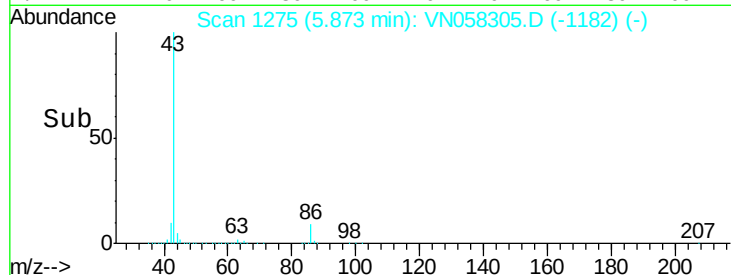
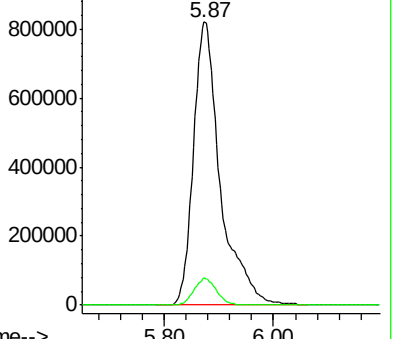
MMDadoda

9/25/2019 12:49:34 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 50.489 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VN058305.D

Acq: 23 Sep 2019 19:57

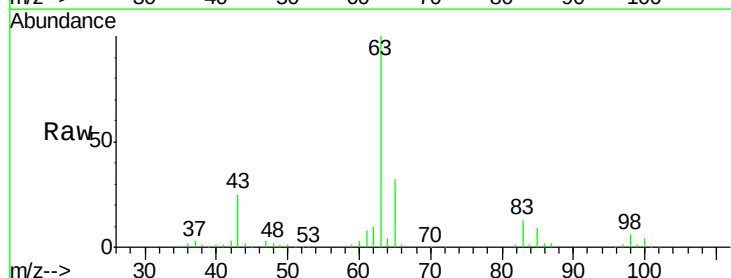
Tgt Ion: 63 Resp: 392907

Ion Ratio Lower Upper

63 100

98 5.6 2.9 8.6

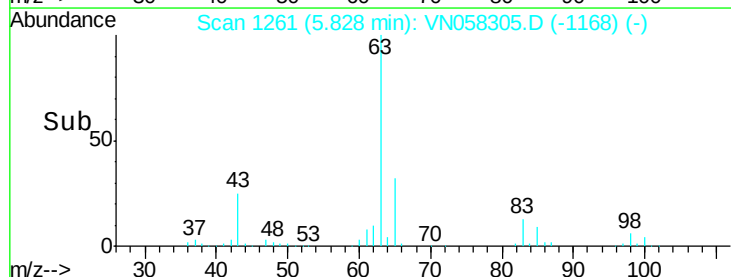
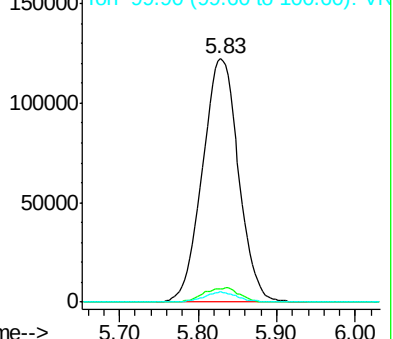
100 4.1 1.8 5.3

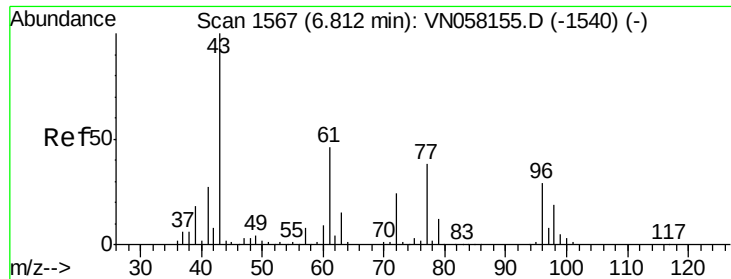


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 283.905 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058305.D

Acq: 23 Sep 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 793452

Ion Ratio Lower Upper

43 100

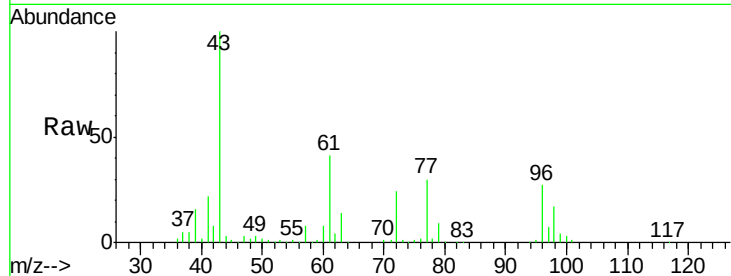
72 23.8 19.5 29.3

Manual Integrations

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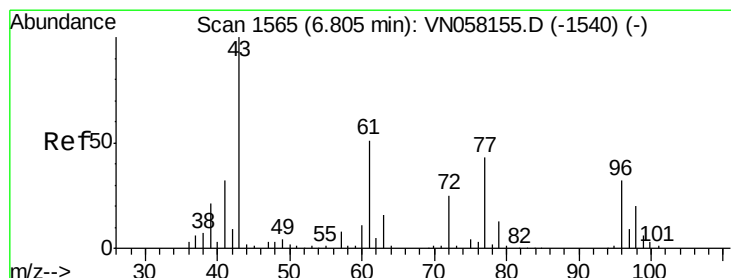
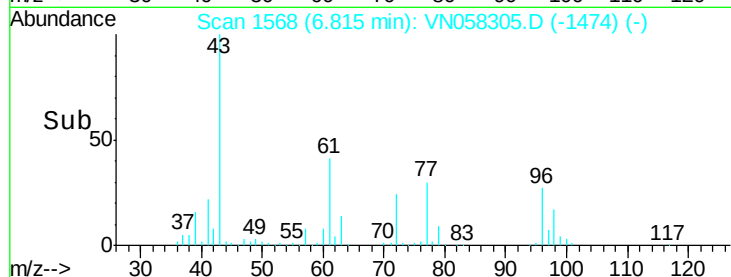
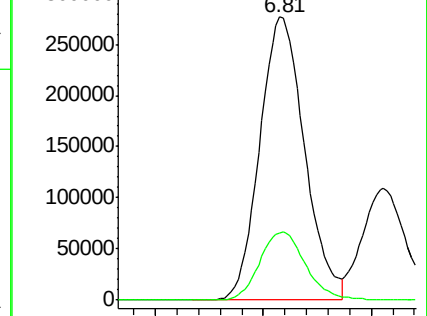
MMDadoda

9/25/2019 12:49:34 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 43.814 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN058305.D

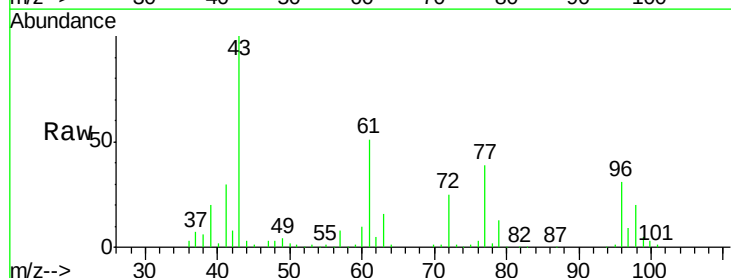
Acq: 23 Sep 2019 19:57

Tgt Ion: 77 Resp: 289258

Ion Ratio Lower Upper

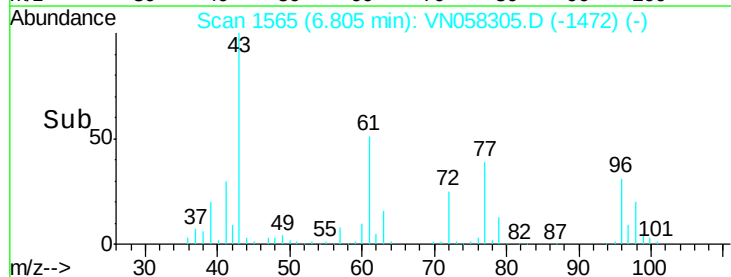
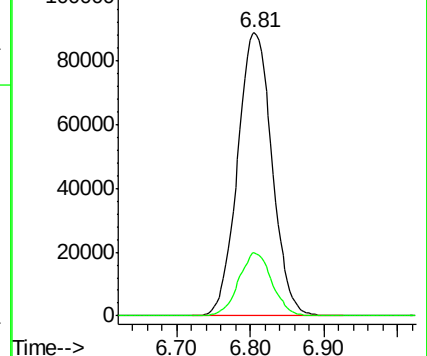
77 100

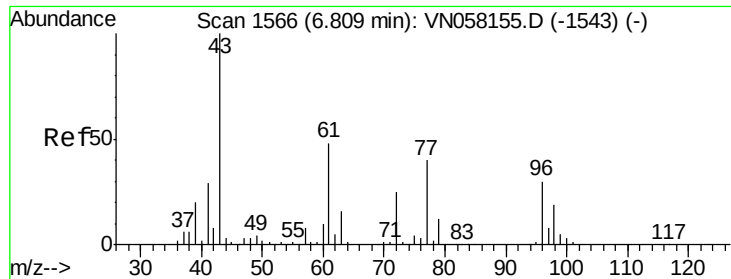
97 21.5 10.5 31.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





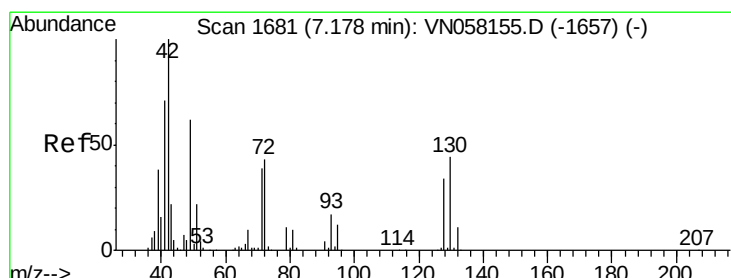
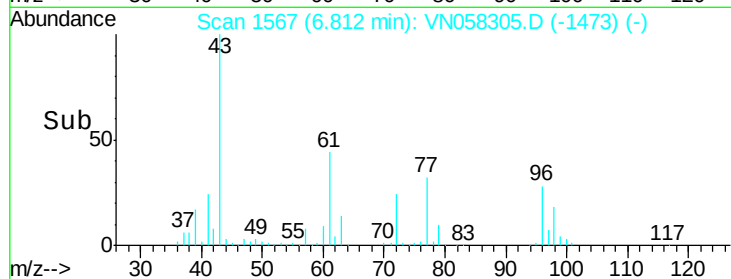
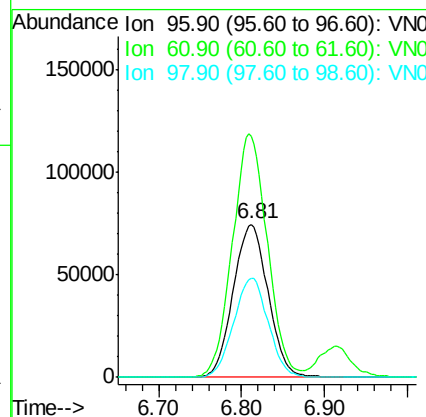
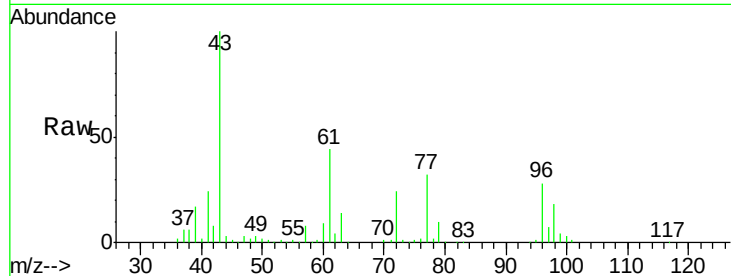
#27
 cis-1,2-Dichloroethene
 Concen: 49.752 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VN058305.D
 Acq: 23 Sep 2019 19:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	218920		
61	158.9	0.0	319.0	
98	64.3	0.0	126.6	

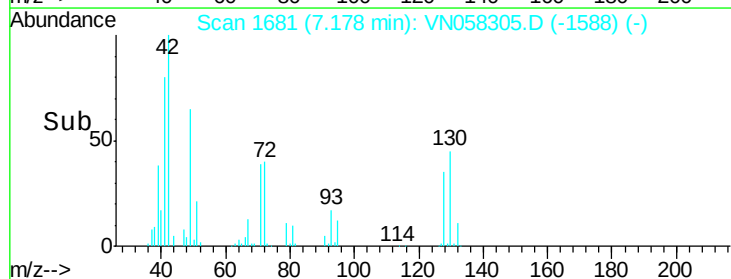
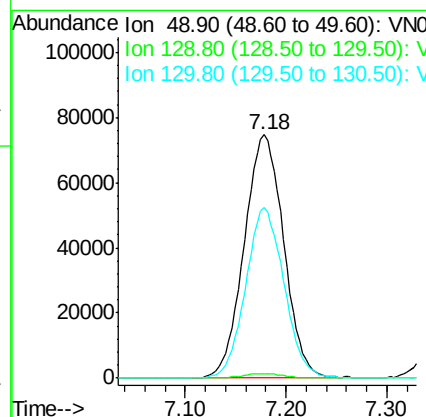
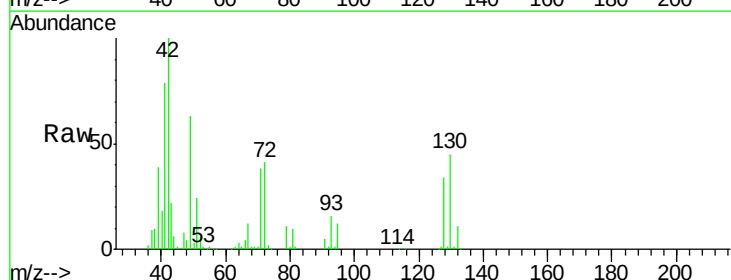
Manual Integrations
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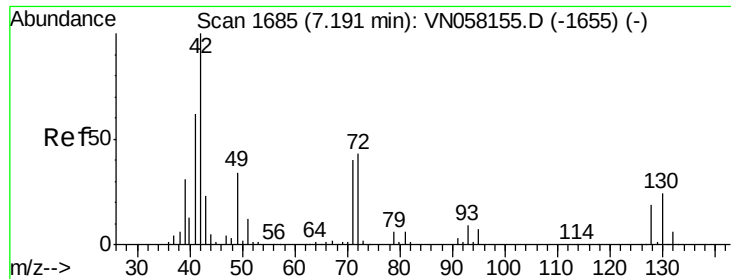
MMDadoda
 9/25/2019 12:49:34 AM



#28
 Bromochloromethane
 Concen: 55.130 ug/l
 RT: 7.18 min Scan# 1681
 Delta R.T. -0.00 min
 Lab File: VN058305.D
 Acq: 23 Sep 2019 19:57

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	202952		
129	1.0	0.0	1.8	
130	68.0	55.4	83.2	





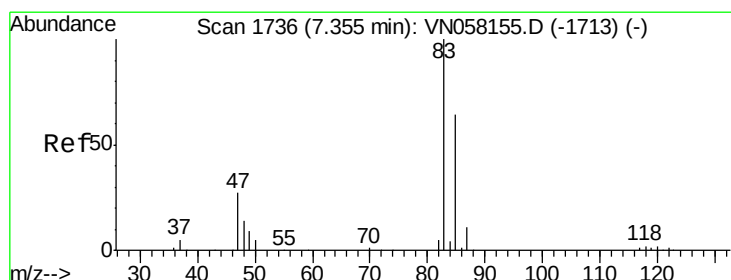
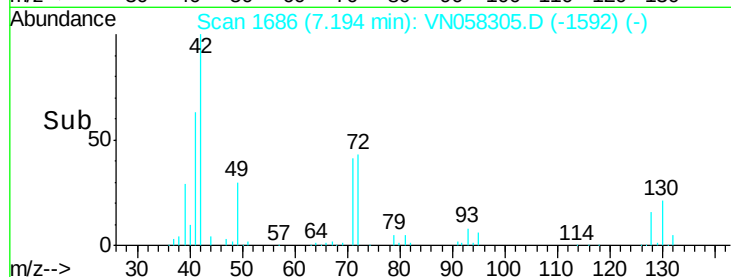
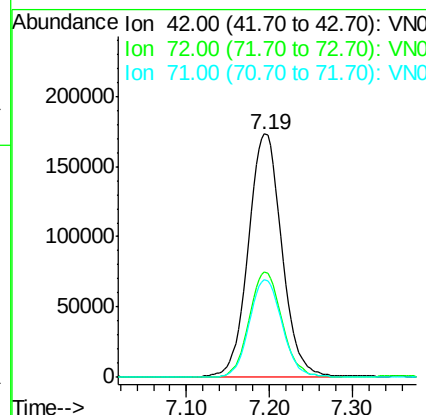
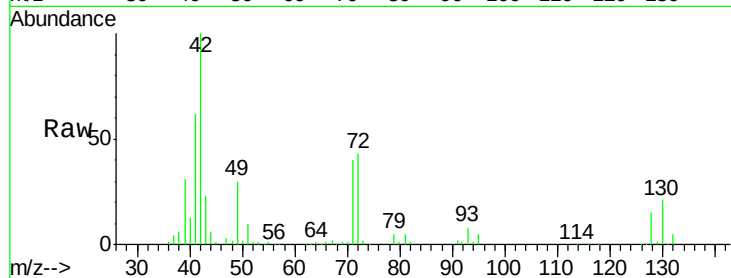
#29
Tetrahydrofuran
Concen: 283.949 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058305.D
Acq: 23 Sep 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.4	33.8	50.6
71	39.3	31.4	47.0

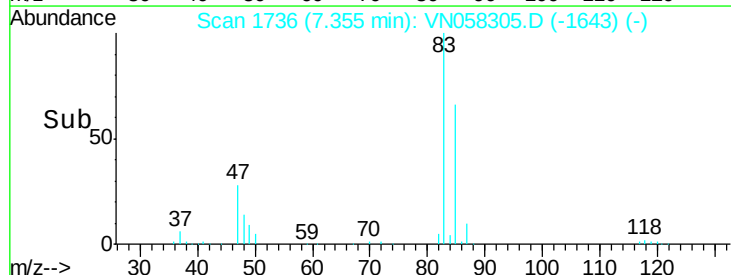
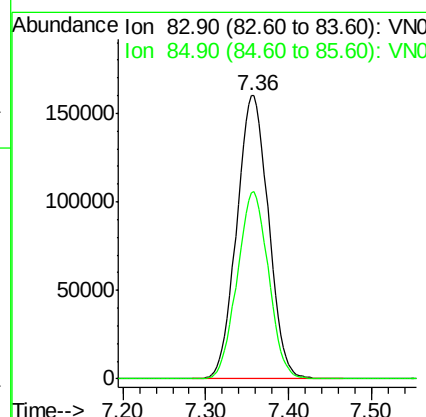
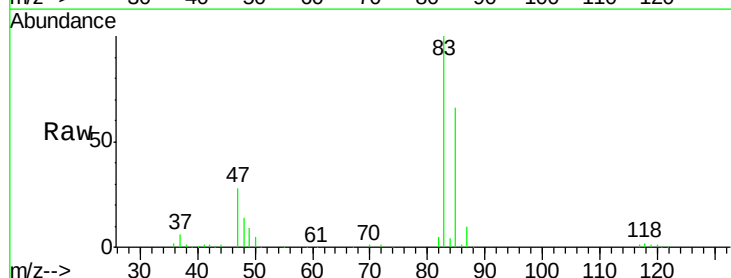
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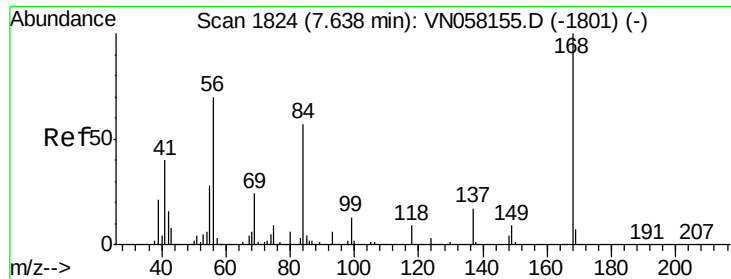
MMDadoda
9/25/2019 12:49:34 AM



#30
Chloroform
Concen: 50.964 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN058305.D
Acq: 23 Sep 2019 19:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.4	77.2





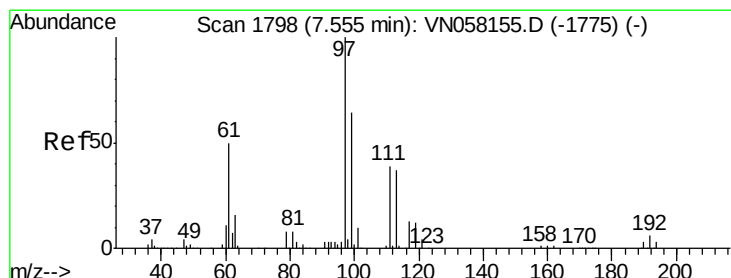
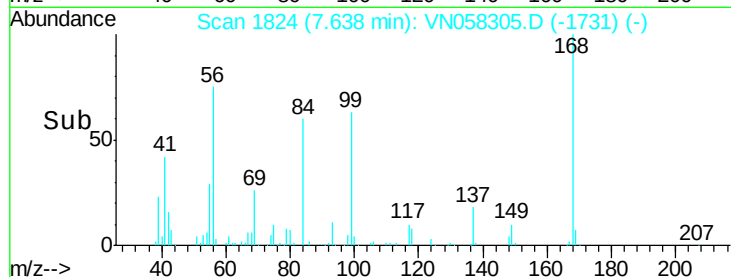
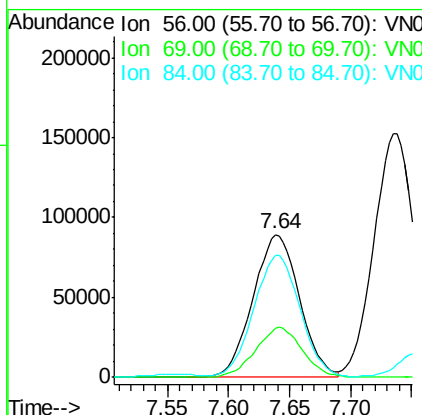
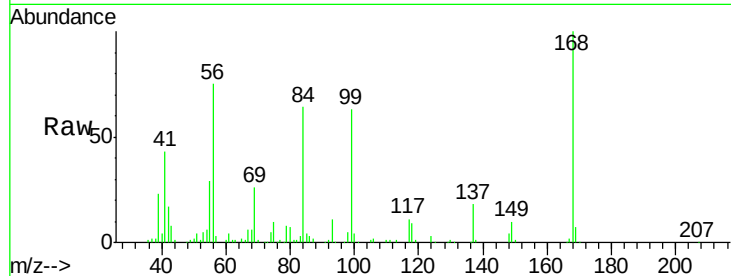
#31
Cyclohexane
Concen: 46.961 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN058305.D
Acq: 23 Sep 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.3	27.3	40.9
84	83.1	65.0	97.4

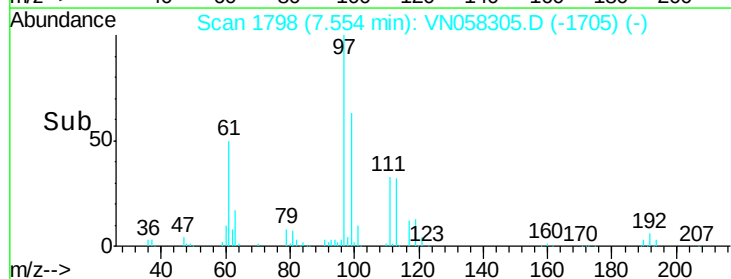
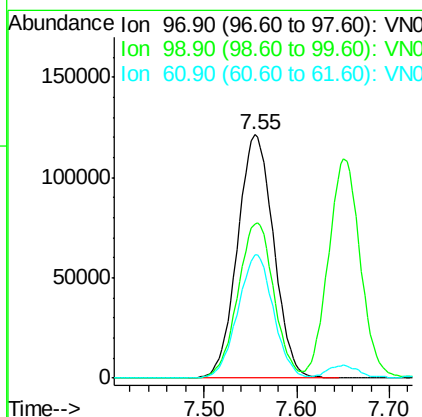
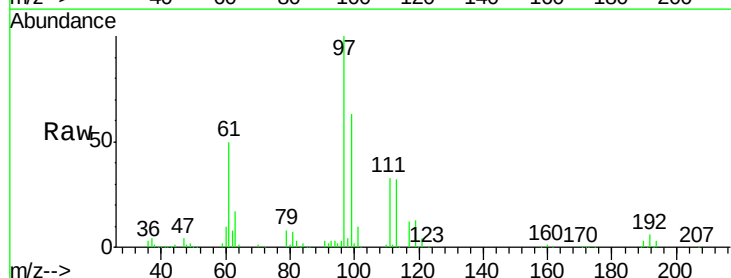
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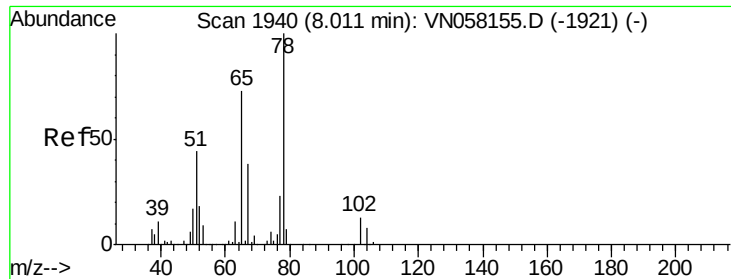
MMDadoda
9/25/2019 12:49:34 AM



#32
1,1,1-Trichloroethane
Concen: 51.505 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN058305.D
Acq: 23 Sep 2019 19:57

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	50.9	76.3
61	49.9	39.2	58.8





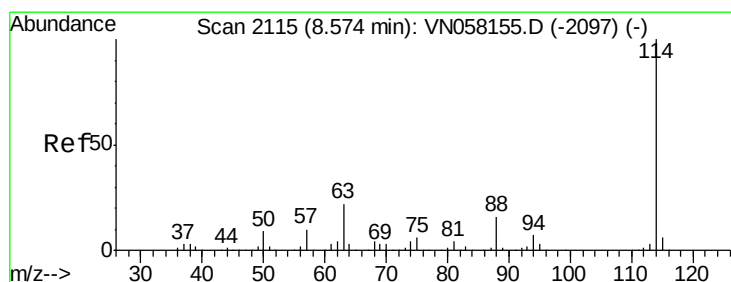
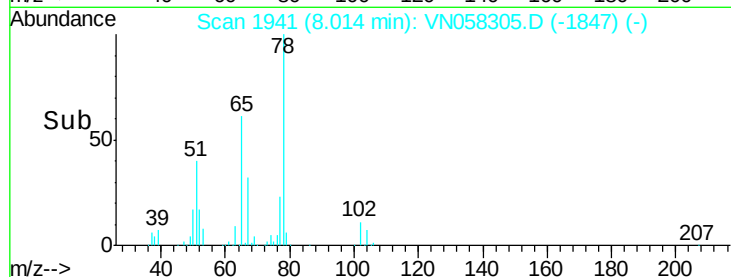
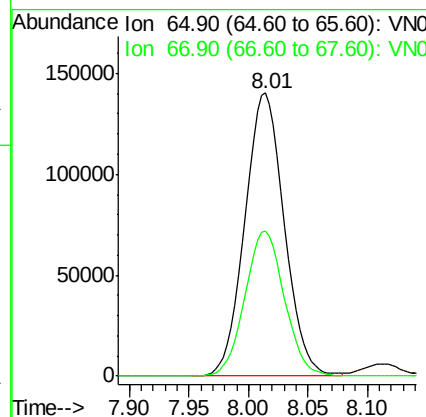
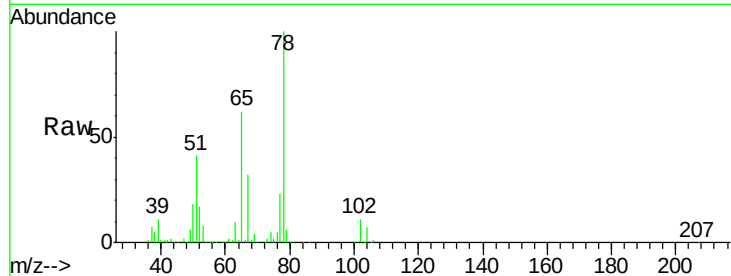
#33
 1,2-Dichloroethane-d4
 Concen: 53.383 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058305.D
 Acq: 23 Sep 2019 19:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.4	0.0	103.4	

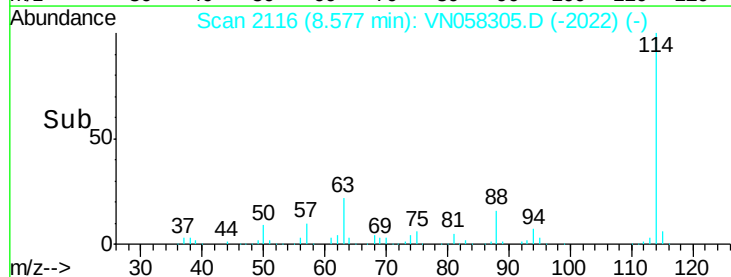
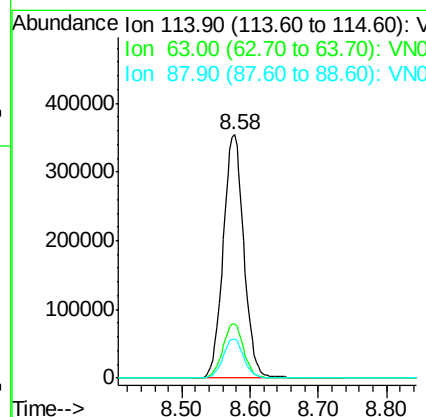
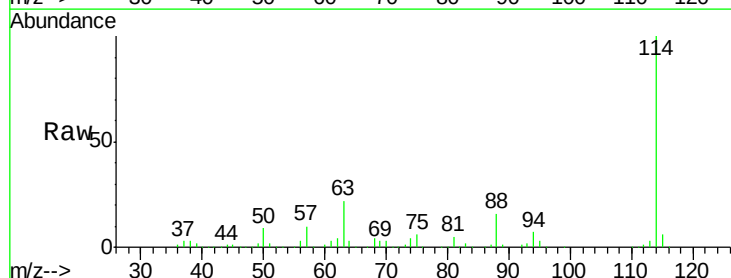
Manual Integrations
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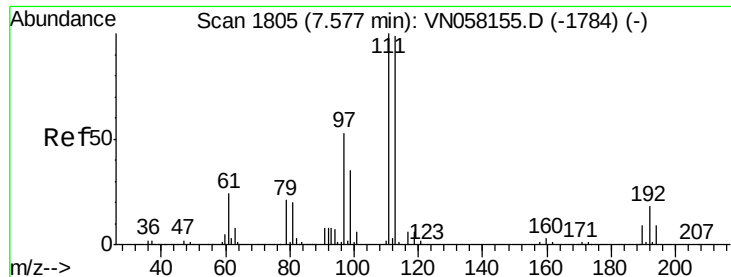
MMDadoda
 9/25/2019 12:49:34 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN058305.D
 Acq: 23 Sep 2019 19:57

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.5	0.0	44.2	
88	16.1	0.0	31.6	





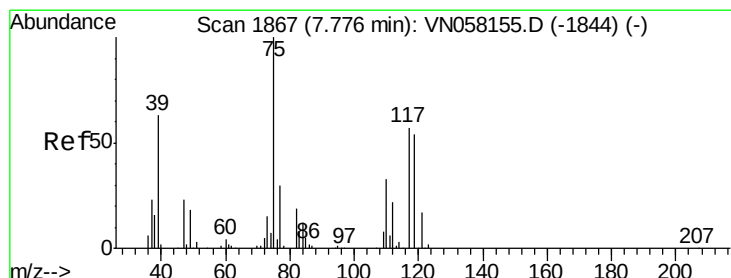
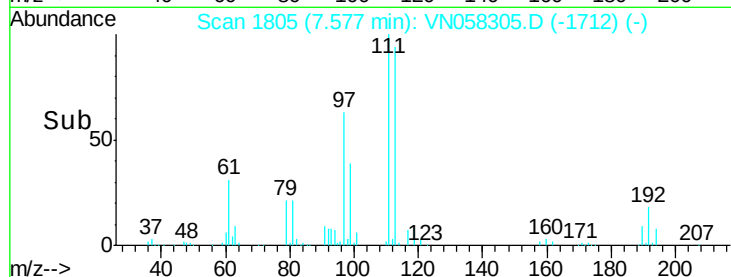
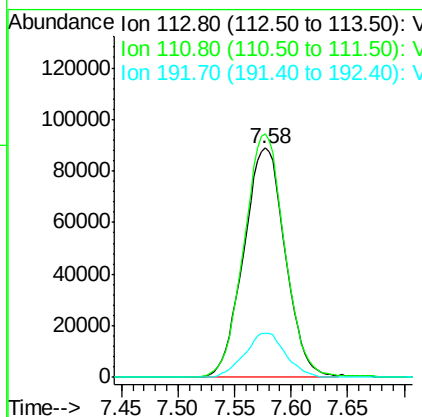
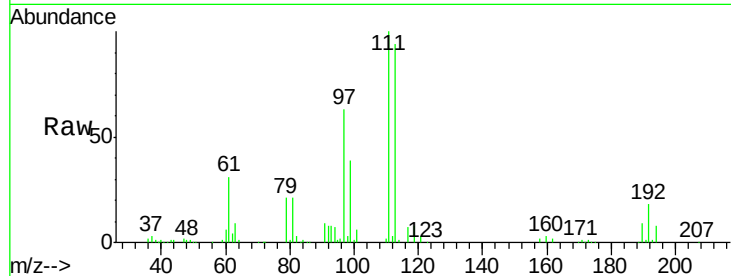
#35
 Dibromofluoromethane
 Concen: 50.405 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. -0.00 min
 Lab File: VN058305.D
 Acq: 23 Sep 2019 19:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	227596		
111	104.0	81.8	122.6	
192	19.0	14.5	21.7	

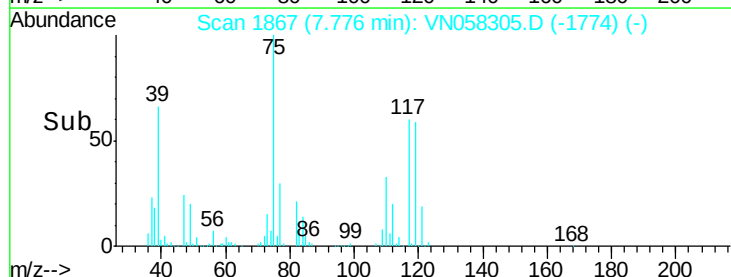
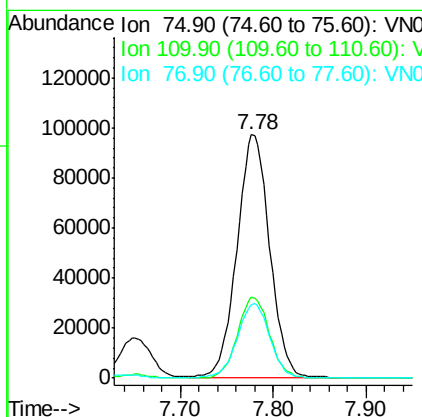
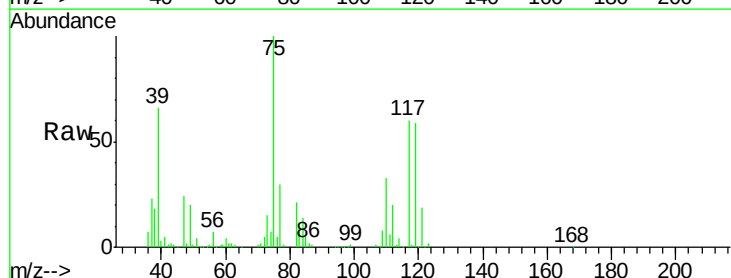
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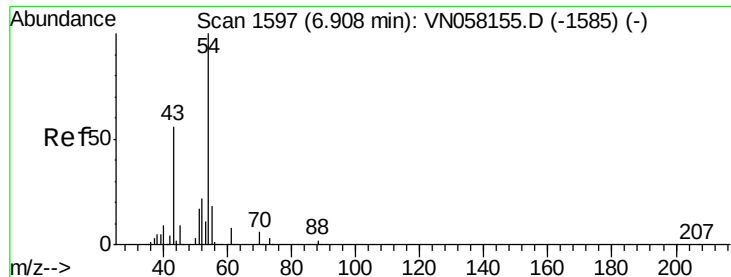
MMDadoda
 9/25/2019 12:49:34 AM



#36
 1,1-Dichloropropene
 Concen: 44.330 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN058305.D
 Acq: 23 Sep 2019 19:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	237450		
110	32.7	16.6	49.7	
77	30.9	24.3	36.5	





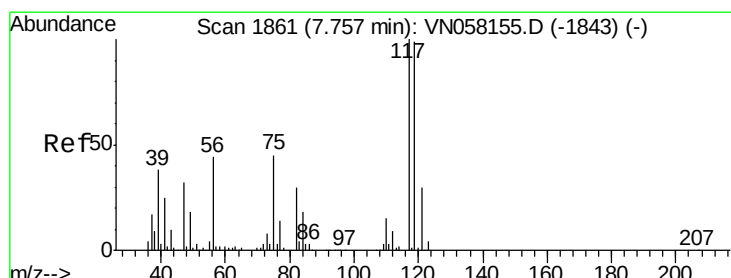
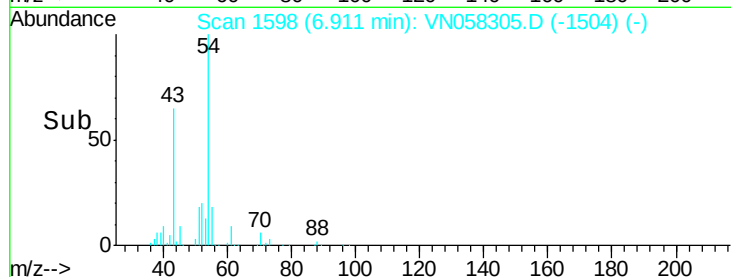
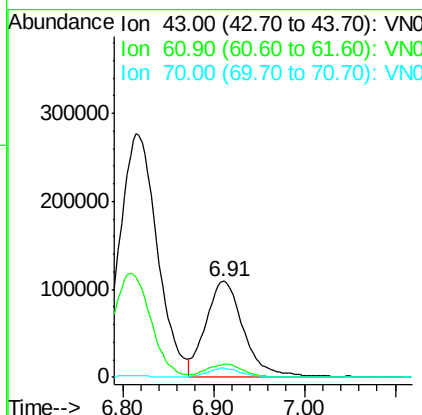
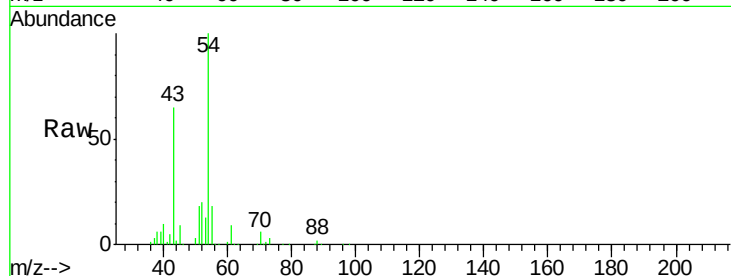
#37
Ethyl Acetate
Concen: 56.036 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN058305.D
Acq: 23 Sep 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	311489
Ion Ratio	100	Lower	Upper
43	100		
61	13.7	10.7	16.1
70	8.5	7.6	11.4

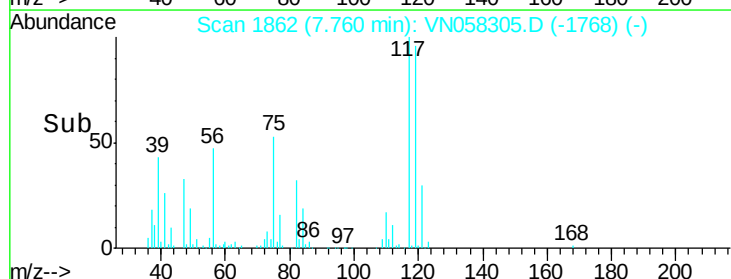
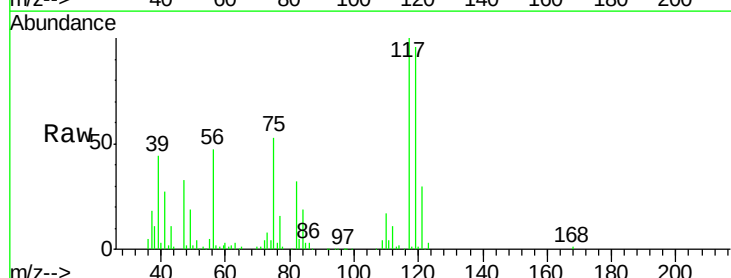
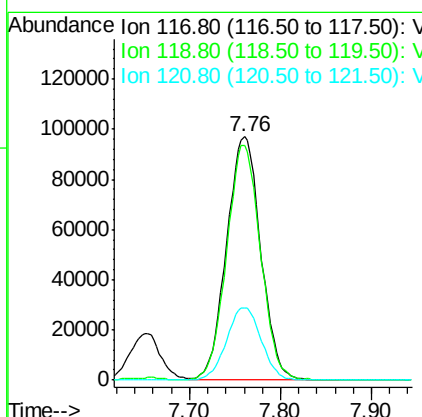
Manual Integrations
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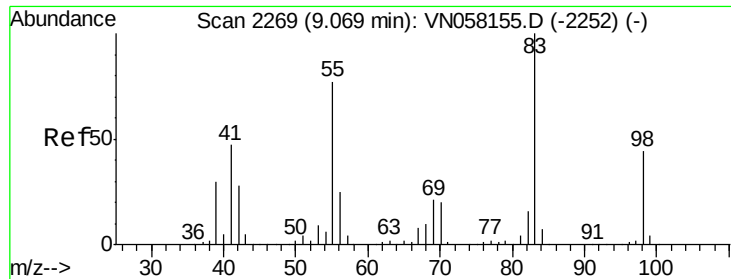
MMDadoda
9/25/2019 12:49:34 AM



#38
Carbon Tetrachloride
Concen: 47.091 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN058305.D
Acq: 23 Sep 2019 19:57

Tgt Ion	117	Resp	253555
Ion Ratio	100	Lower	Upper
117	100		
119	96.2	78.6	117.8
121	29.8	24.1	36.1





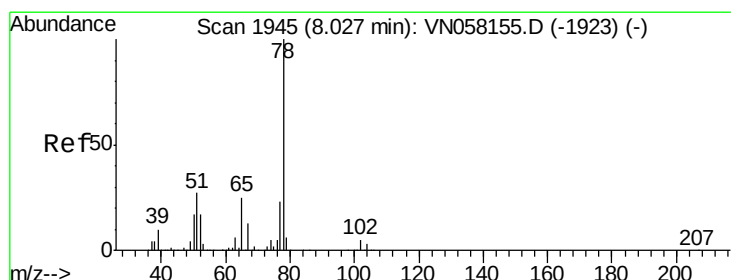
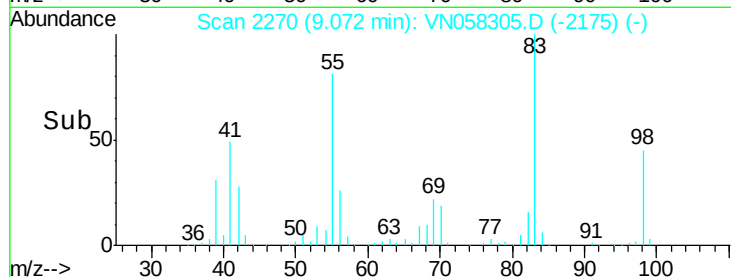
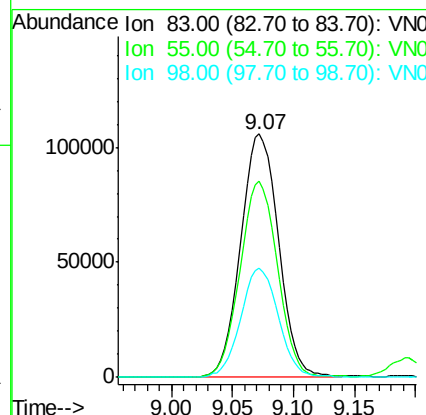
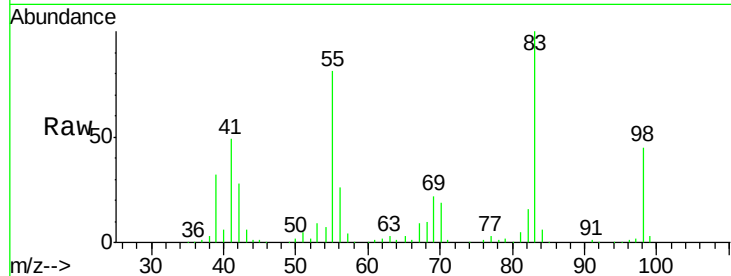
#39
Methylvlcyclohexane
Concen: 44.006 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058305.D
Acq: 23 Sep 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	227860
Ion	Ratio	Lower	Upper
83	100		
55	80.6	61.9	92.9
98	44.9	35.4	53.2

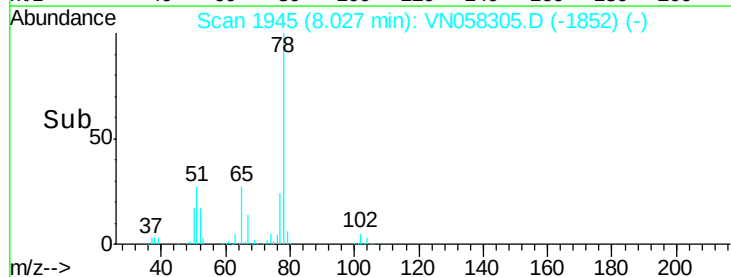
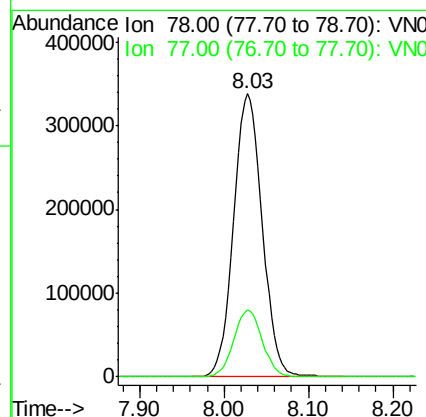
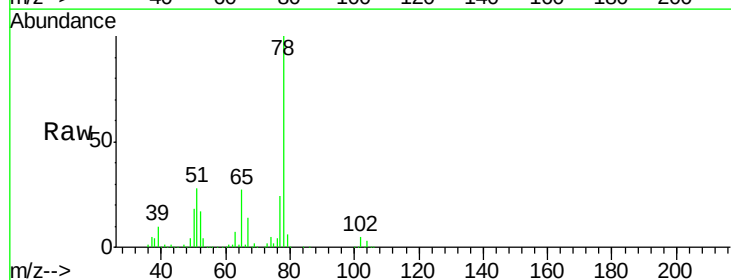
Manual Integrations
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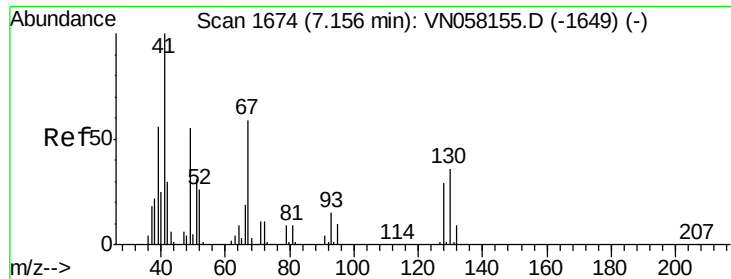
MMDadoda
9/25/2019 12:49:34 AM



#40
Benzene
Concen: 48.757 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN058305.D
Acq: 23 Sep 2019 19:57

Tgt Ion	78	Resp	797676
Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.8	28.2





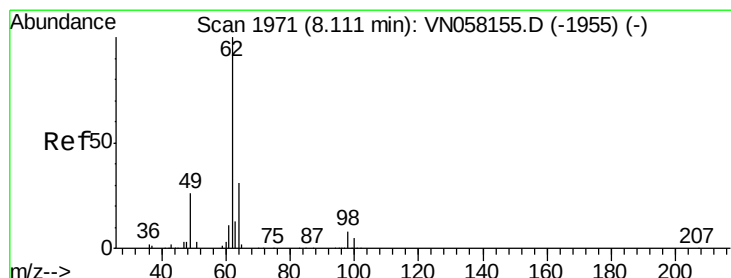
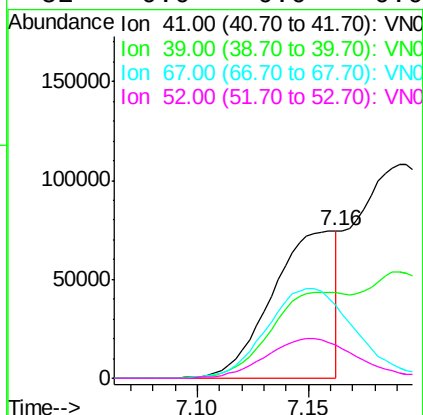
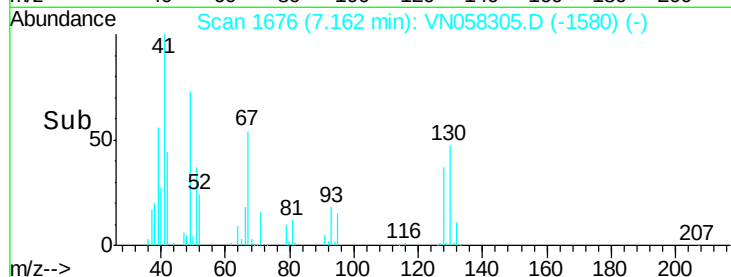
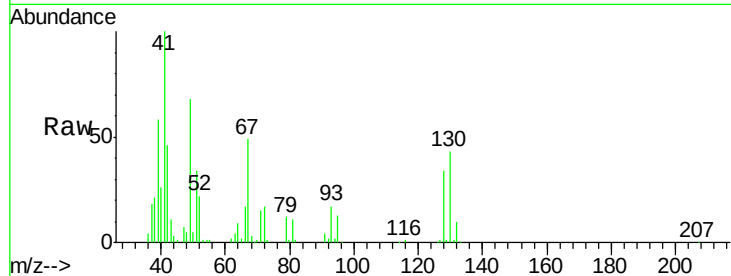
#41
Methacrylonitrile
Concen: 52.826 ug/l m
RT: 7.16 min Scan# 1676
Delta R.T. 0.01 min
Lab File: VN058305.D
Acq: 23 Sep 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	148079
Ion Ratio	Lower	Upper	
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

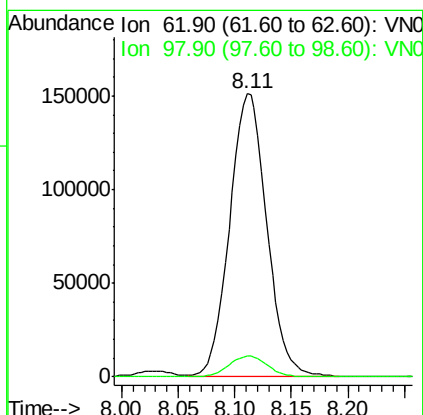
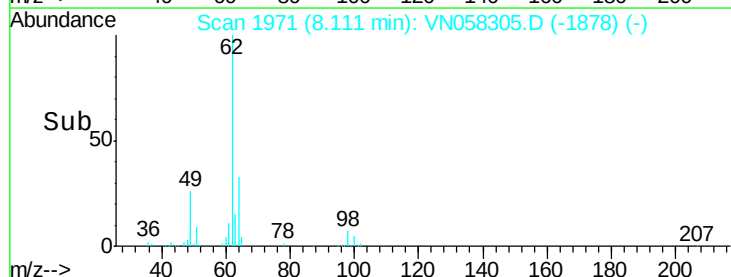
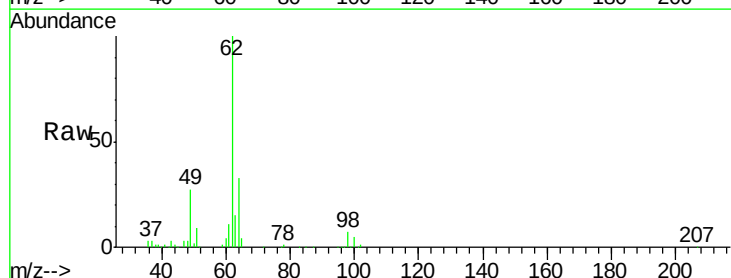
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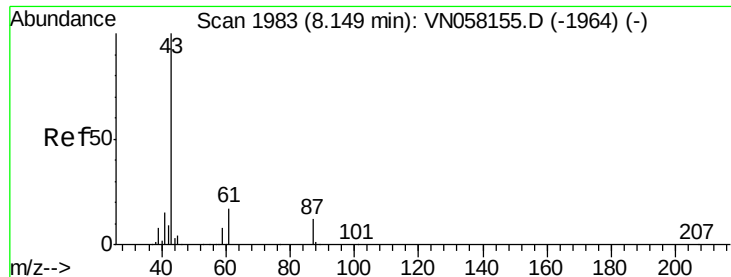
MMDadoda
9/25/2019 12:49:34 AM



#42
1,2-Dichloroethane
Concen: 50.095 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN058305.D
Acq: 23 Sep 2019 19:57

Tgt Ion	62	Resp	343891
Ion Ratio	Lower	Upper	
62	100		
98	7.7	0.0	15.6





#43

Isopropyl Acetate

Concen: 52.435 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN058305.D

Acq: 23 Sep 2019 19:57

Instrument :

MSVOA_N

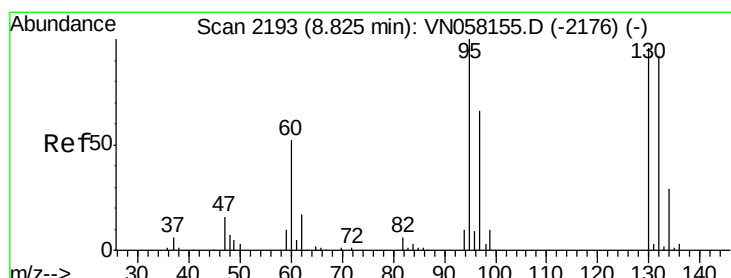
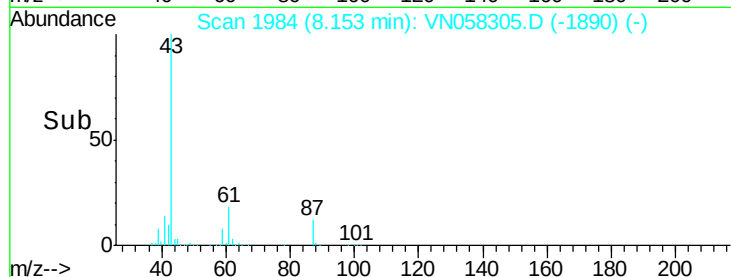
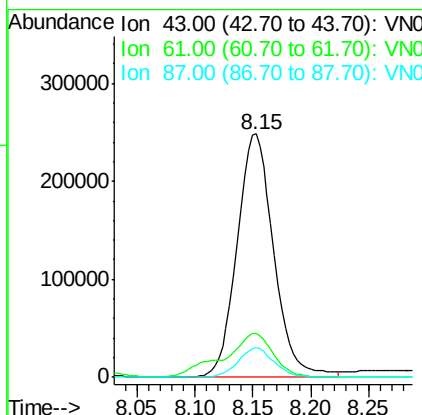
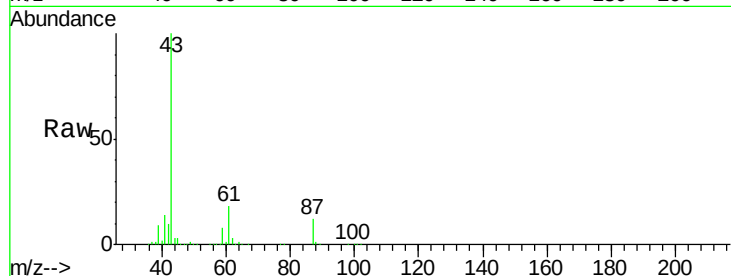
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	544352
Ion	Ratio	Lower	Upper
43	100		
61	24.4	19.7	29.5
87	11.9	9.4	14.2

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#44

Trichloroethene

Concen: 47.977 ug/l

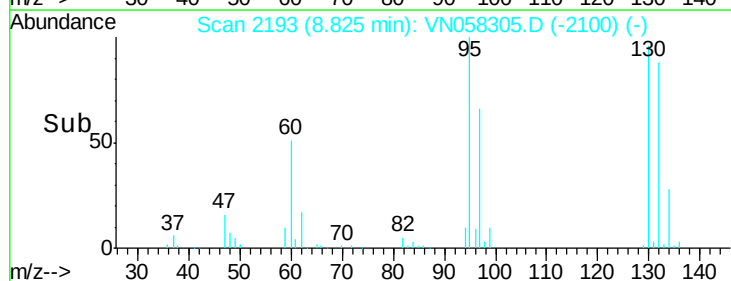
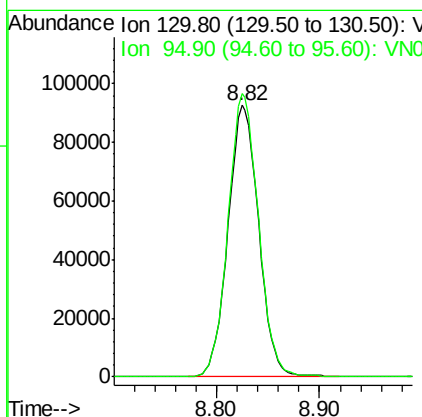
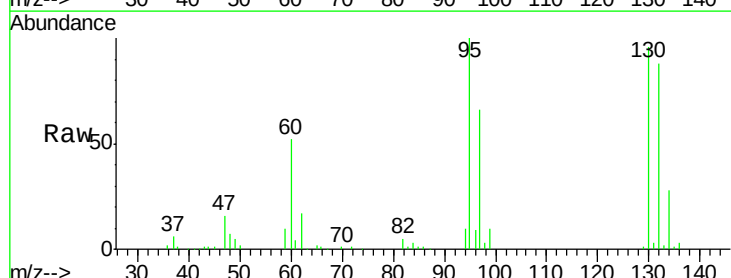
RT: 8.82 min Scan# 2193

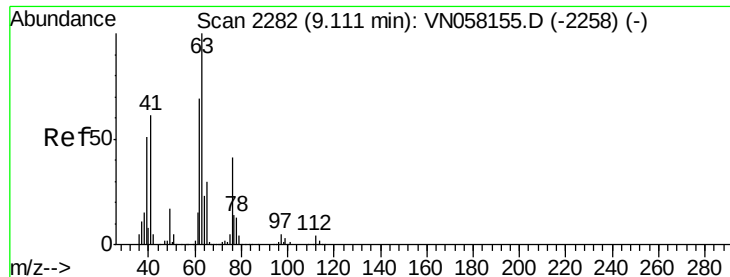
Delta R.T. -0.00 min

Lab File: VN058305.D

Acq: 23 Sep 2019 19:57

Tgt Ion:	130	Resp:	192078
Ion	Ratio	Lower	Upper
130	100		
95	104.4	0.0	207.8





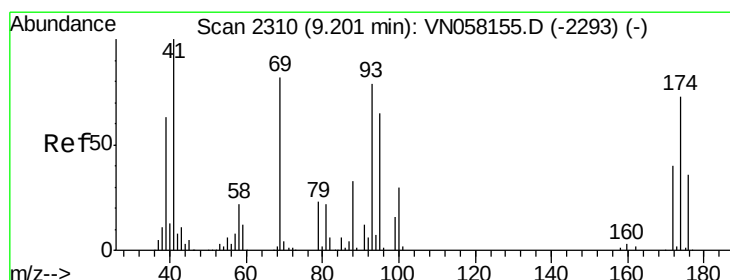
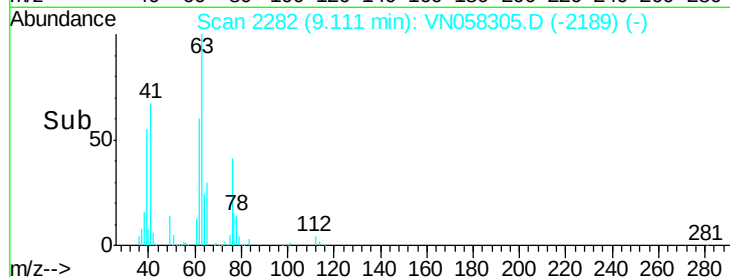
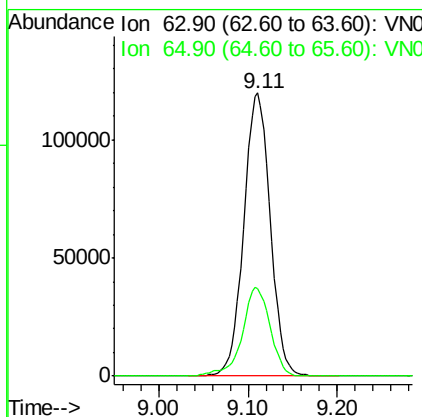
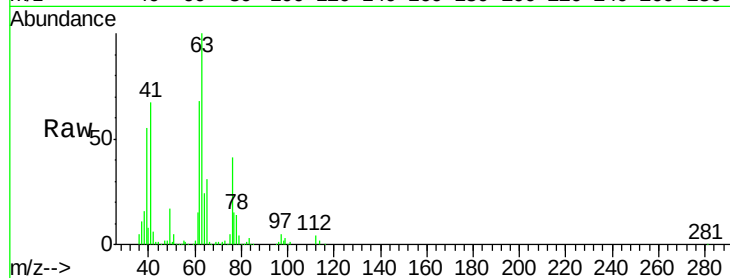
#45
 1,2-Dichloropropane
 Concen: 50.704 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN058305.D
 Acq: 23 Sep 2019 19:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	23.8	35.6

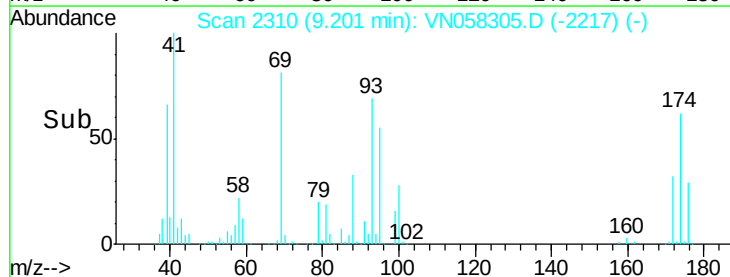
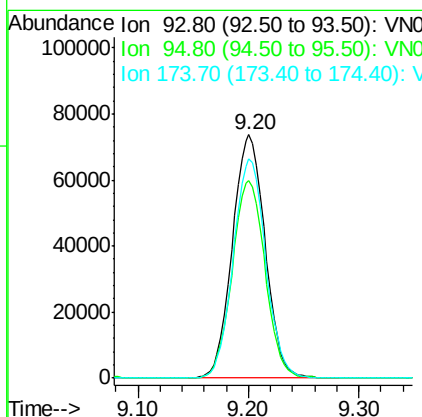
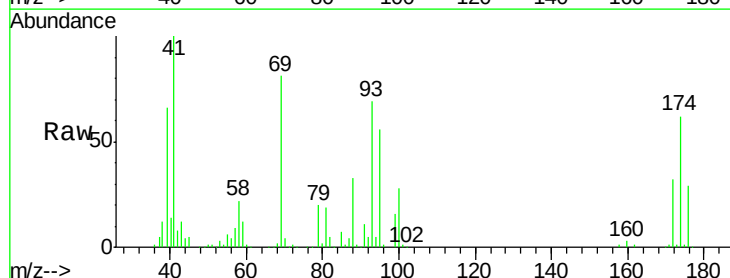
Manual Integrations
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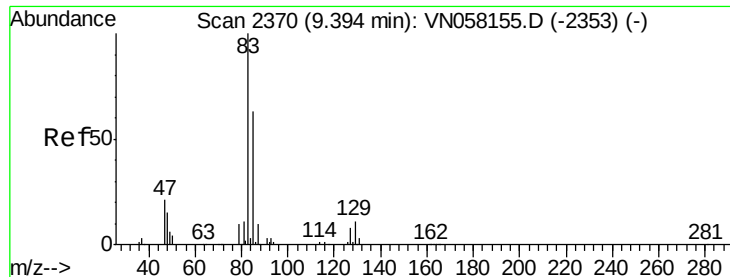
MMDadoda
 9/25/2019 12:49:34 AM



#46
 Dibromomethane
 Concen: 51.025 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN058305.D
 Acq: 23 Sep 2019 19:57

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.6	66.8	100.2
174	89.5	73.8	110.8





#47

Bromodichloromethane

Concen: 52.601 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058305.D

Acq: 23 Sep 2019 19:57

Instrument :

MSVOA_N

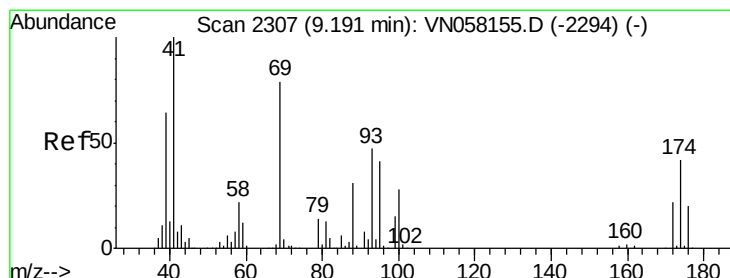
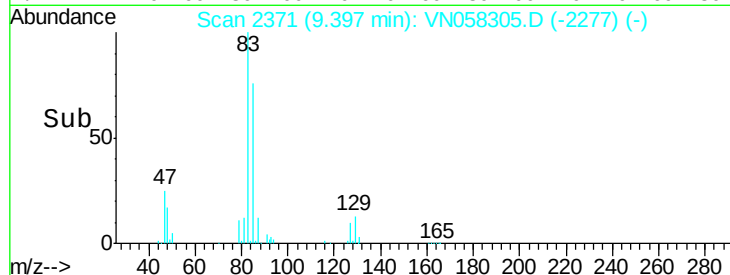
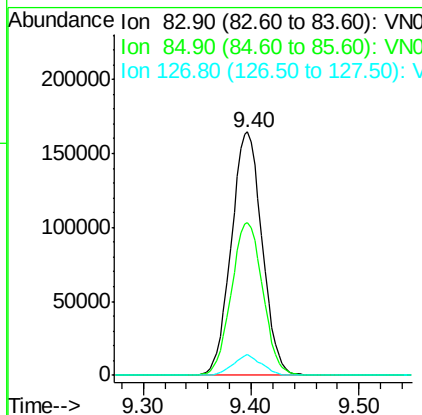
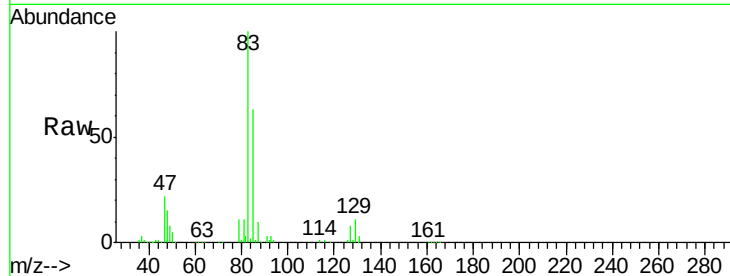
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	327337
Ion Ratio	Lower	Upper	
83	100		
85	62.8	50.1	75.1
127	8.3	6.4	9.6

Manual Integrations
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MMDadoda
9/25/2019 12:49:34 AM



#48

Methyl methacrylate

Concen: 54.988 ug/l

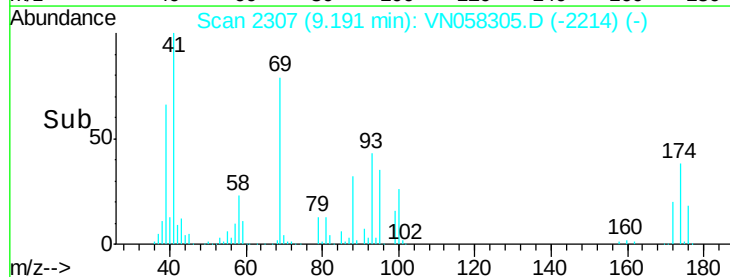
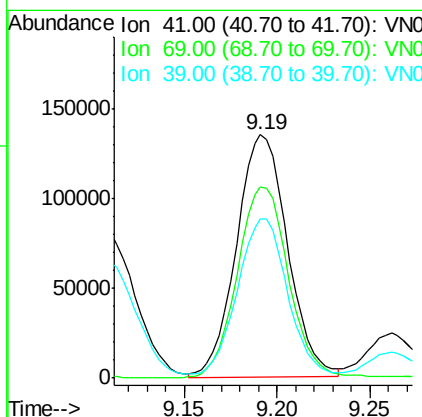
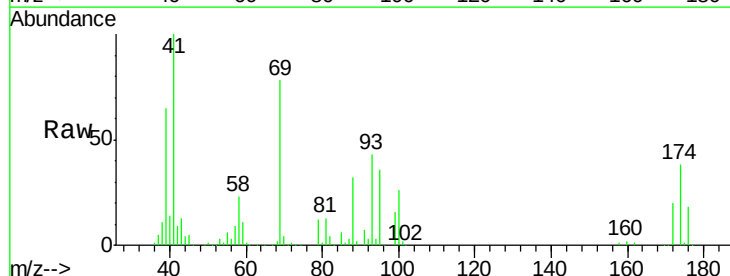
RT: 9.19 min Scan# 2307

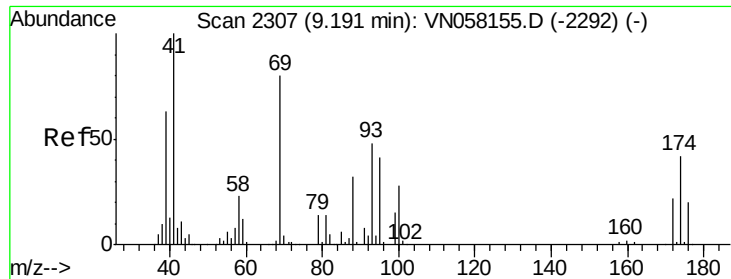
Delta R.T. -0.00 min

Lab File: VN058305.D

Acq: 23 Sep 2019 19:57

Tgt Ion:	41	Resp:	259194
Ion Ratio	Lower	Upper	
41	100		
69	79.9	62.5	93.7
39	65.1	52.3	78.5





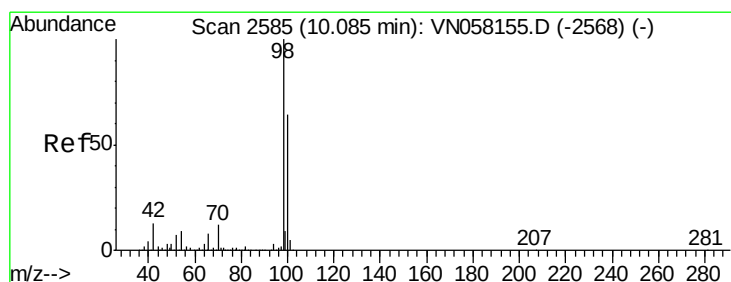
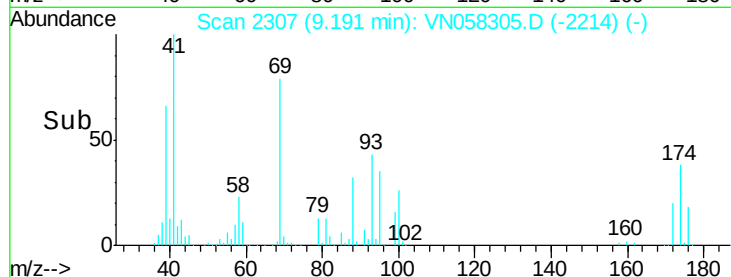
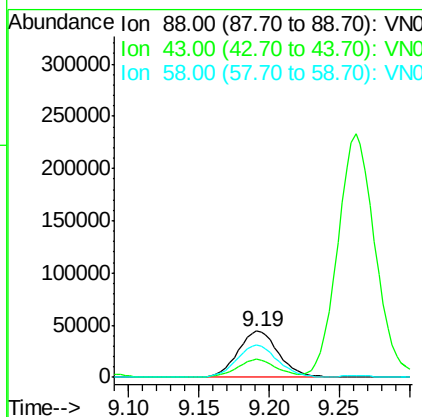
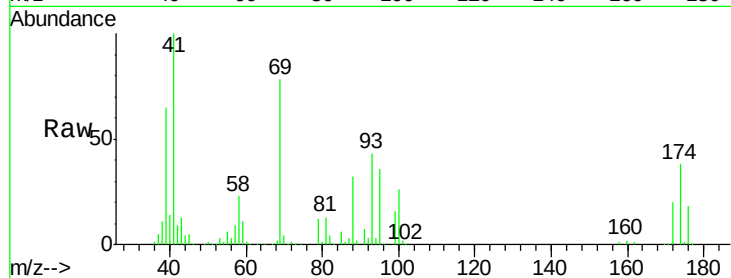
#49
1,4-Dioxane
Concen: 1163.986 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN058305.D
Acq: 23 Sep 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	90080
Ion	Ratio	Lower	Upper
88	100		
43	36.3	27.8	41.8
58	70.3	55.0	82.4

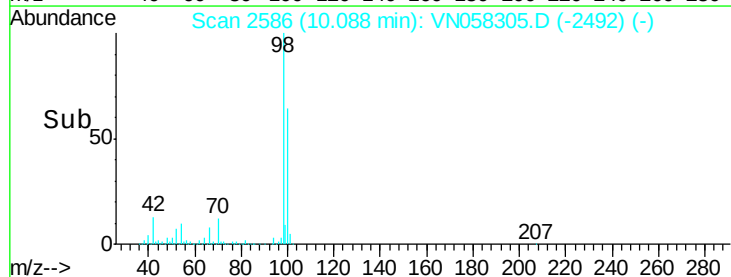
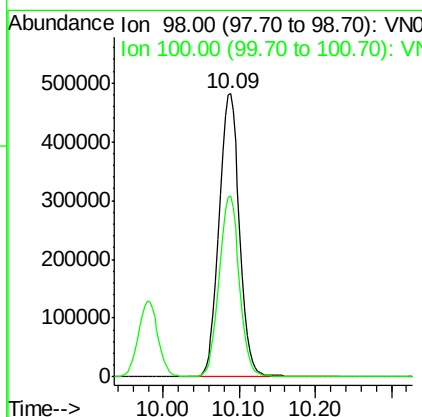
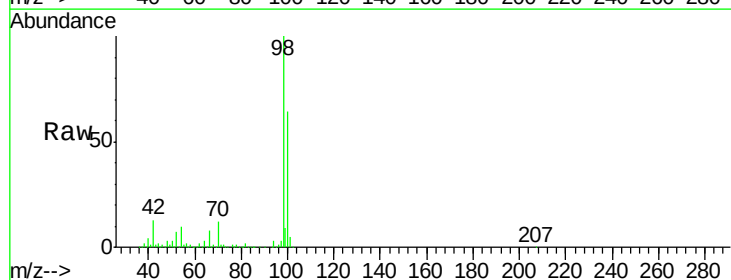
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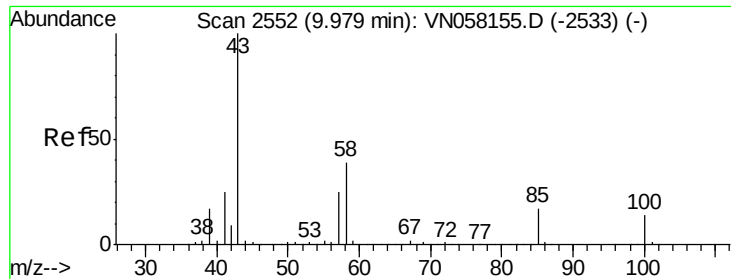
MMDadoda
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#50
Toluene-d8
Concen: 51.075 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN058305.D
Acq: 23 Sep 2019 19:57

Tgt Ion	98	Resp	898540
Ion	Ratio	Lower	Upper
98	100		
100	63.2	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 314.484 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN058305.D

Acq: 23 Sep 2019 19:57

Tot Ion: 43 Resp: 1734126

Ion Ratio Lower Upper

43 100

58 37.2 30.2 45.4

Instrument :

MSVOA_N

ClientSampleId :

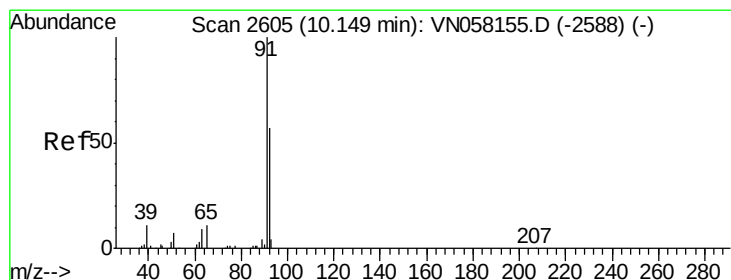
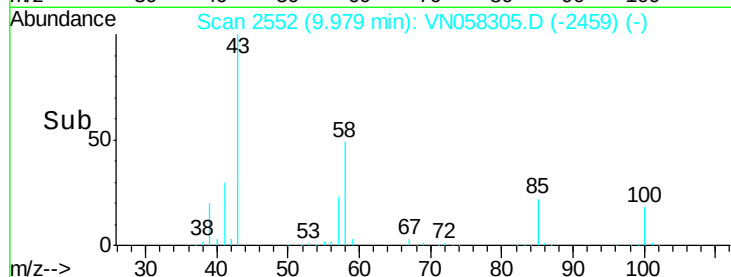
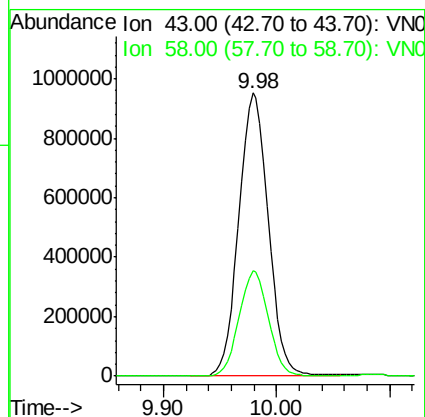
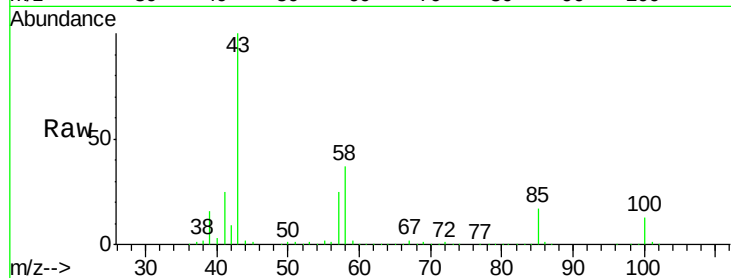
VSTDCCC050EC

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#52

Toluene

Concen: 48.829 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058305.D

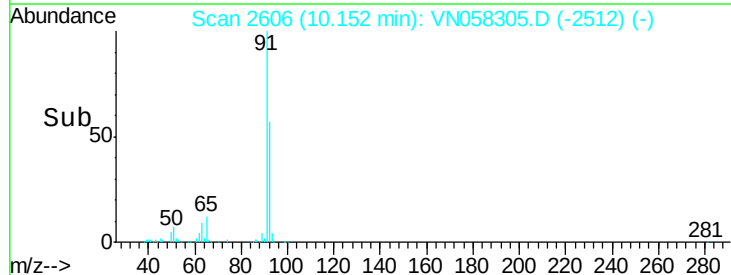
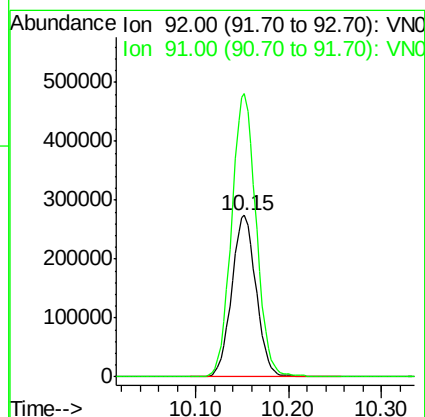
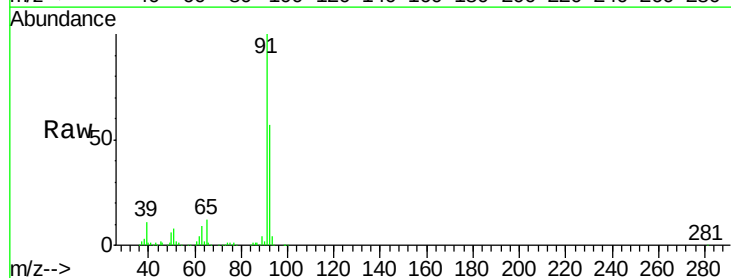
Acq: 23 Sep 2019 19:57

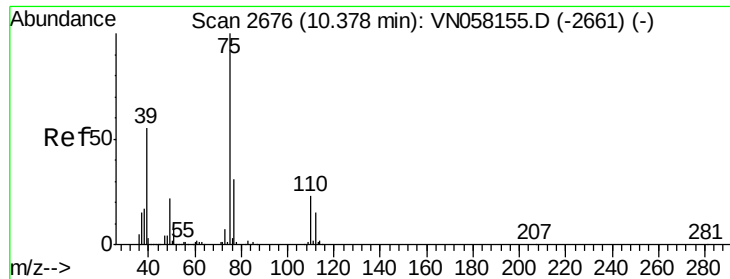
Tgt Ion: 92 Resp: 500644

Ion Ratio Lower Upper

92 100

91 176.5 140.2 210.2





#53

t-1,3-Dichloropropene

Concen: 52.545 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN058305.D

Acq: 23 Sep 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 334950

Ion Ratio Lower Upper

75 100

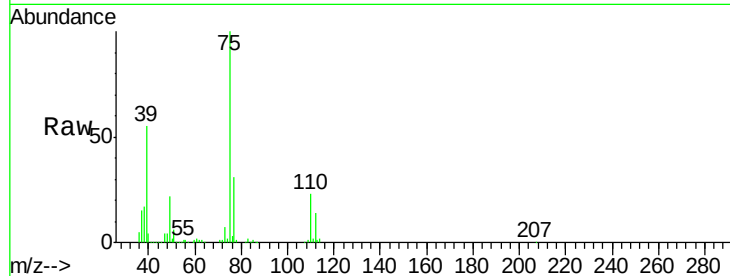
77 31.3 24.9 37.3

Manual Integrations

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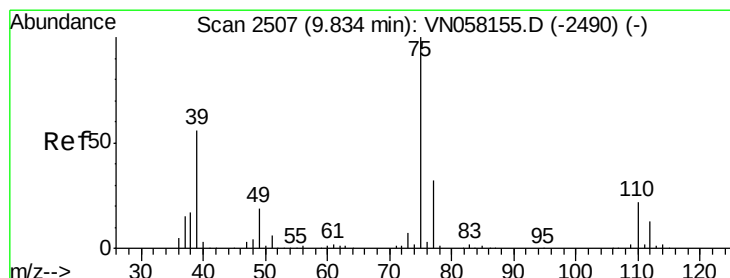
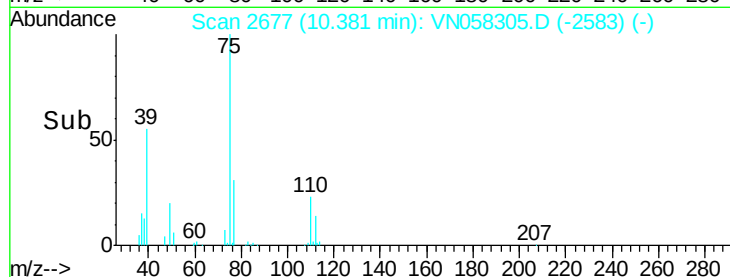
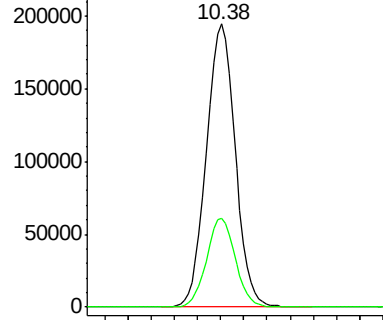
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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 50.944 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.00 min

Lab File: VN058305.D

Acq: 23 Sep 2019 19:57

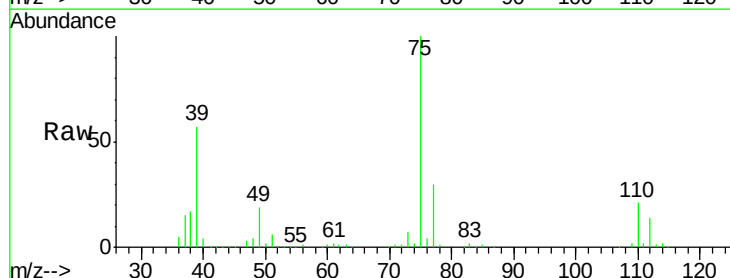
Tgt Ion: 75 Resp: 358538

Ion Ratio Lower Upper

75 100

77 30.1 25.4 38.0

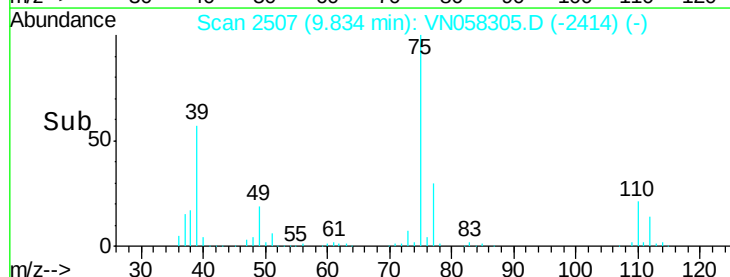
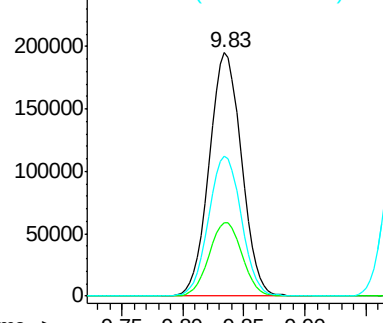
39 57.5 45.0 67.6

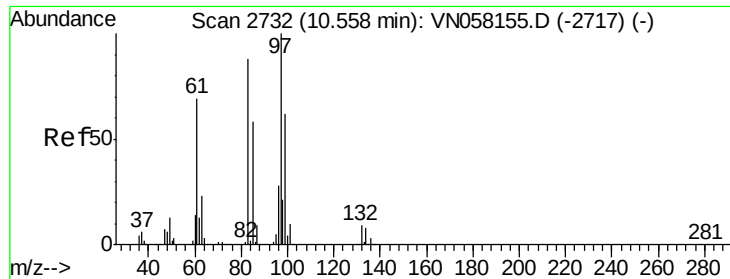


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





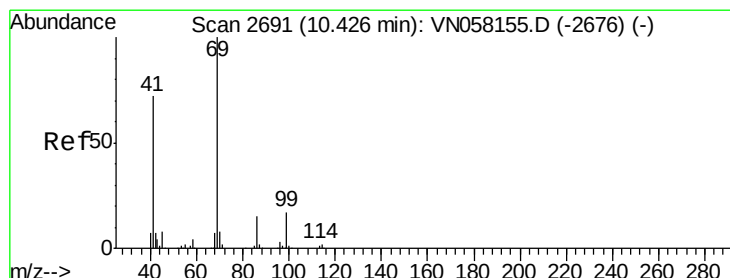
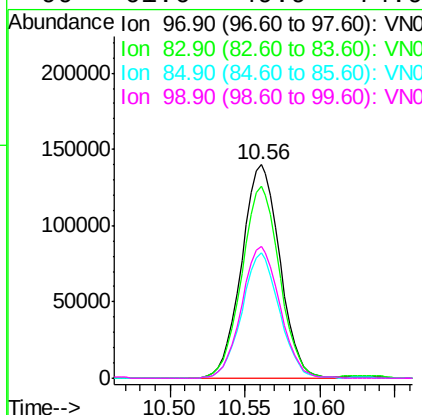
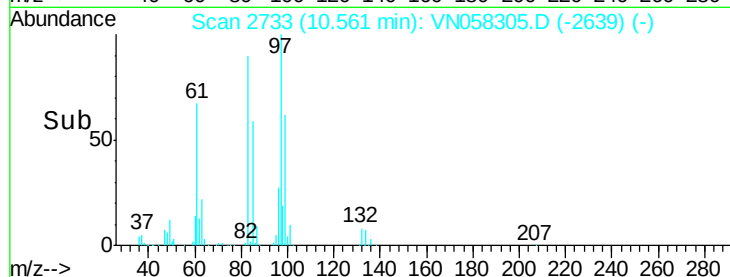
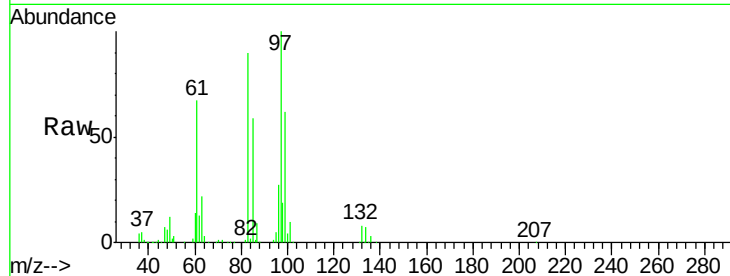
#55
 1,1,2-Trichloroethane
 Concen: 54.783 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058305.D
 Acq: 23 Sep 2019 19:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	249265
Ion	Ratio	Lower	Upper
97	100		
83	89.7	70.4	105.6
85	58.6	46.8	70.2
99	61.6	49.9	74.9

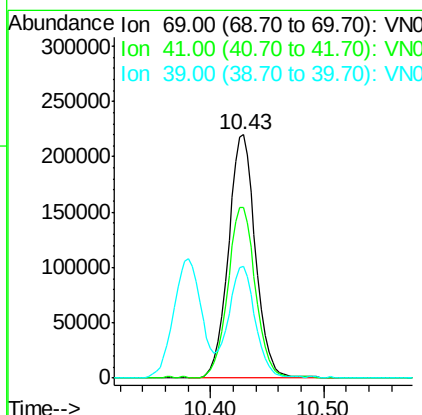
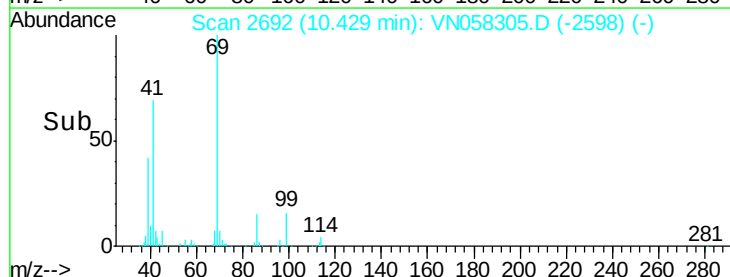
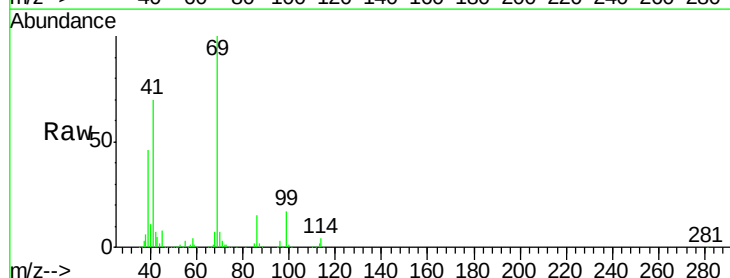
Manual Integrations
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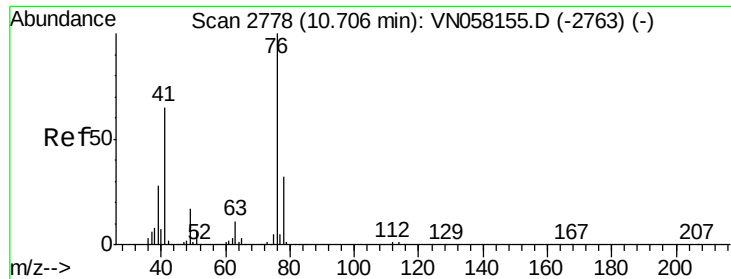
MMDadoda
 9/25/2019 12:49:34 AM



#56
 Ethyl methacrylate
 Concen: 55.717 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN058305.D
 Acq: 23 Sep 2019 19:57

Tgt Ion:	69	Resp:	365782
Ion	Ratio	Lower	Upper
69	100		
41	70.8	57.5	86.3
39	44.7	36.1	54.1





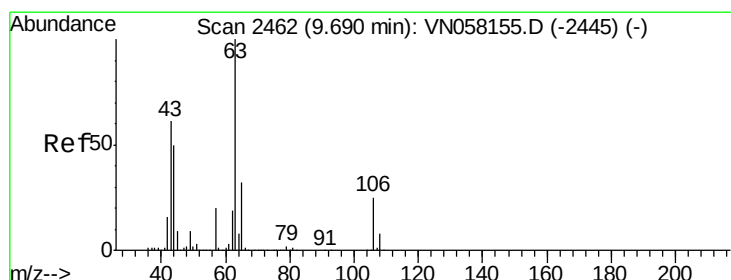
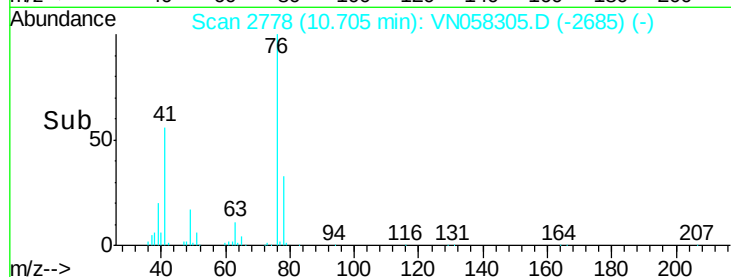
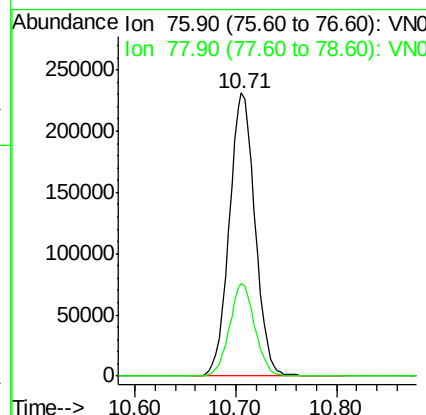
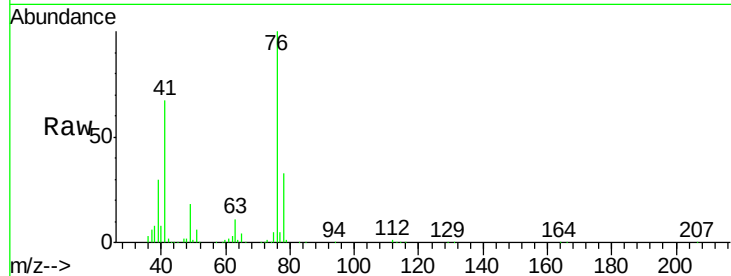
#57
 1,3-Dichloropropane
 Concen: 52.567 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN058305.D
 Acq: 23 Sep 2019 19:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 411181
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.4 38.0

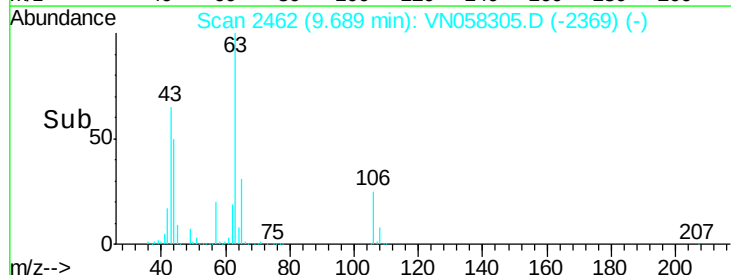
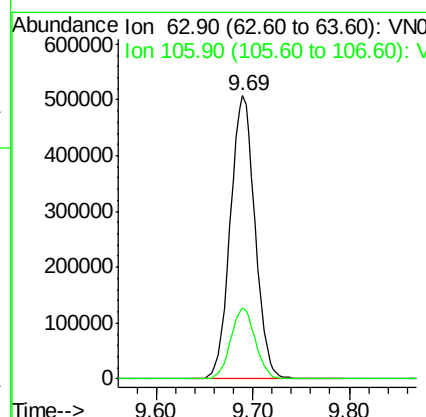
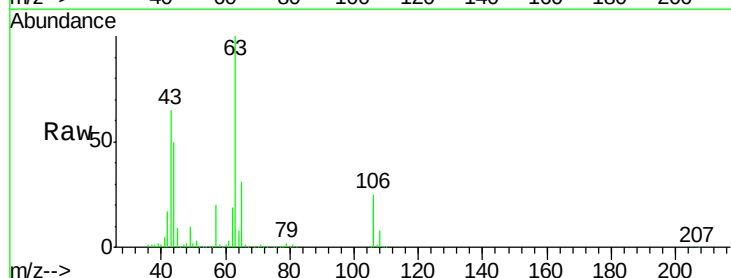
Manual Integrations
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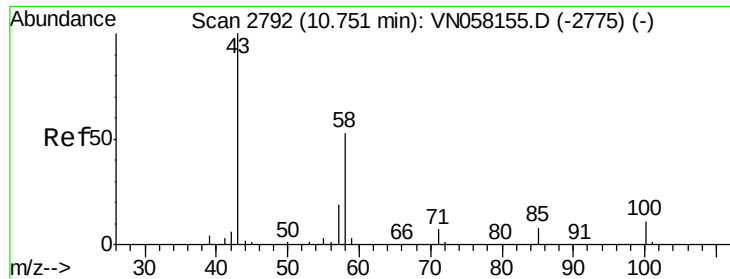
MMDadoda
 9/25/2019 12:49:34 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 286.776 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. -0.00 min
 Lab File: VN058305.D
 Acq: 23 Sep 2019 19:57

Tgt Ion: 63 Resp: 896767
 Ion Ratio Lower Upper
 63 100
 106 25.0 19.9 29.9





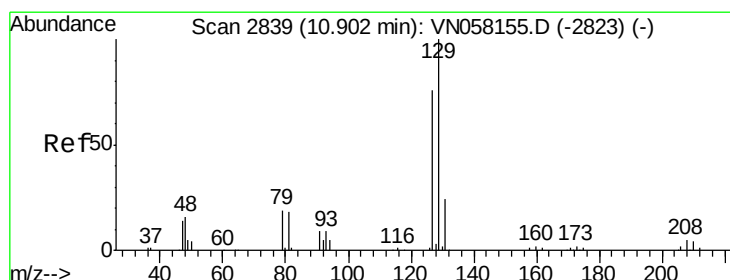
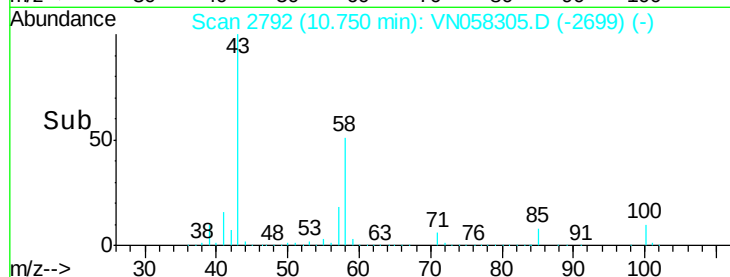
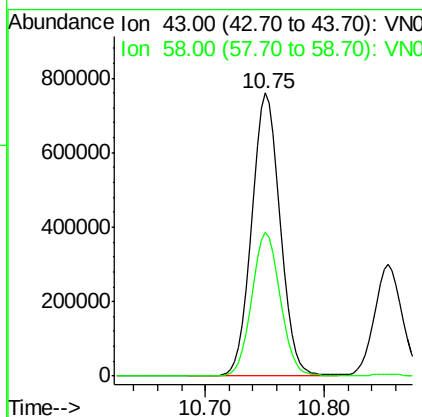
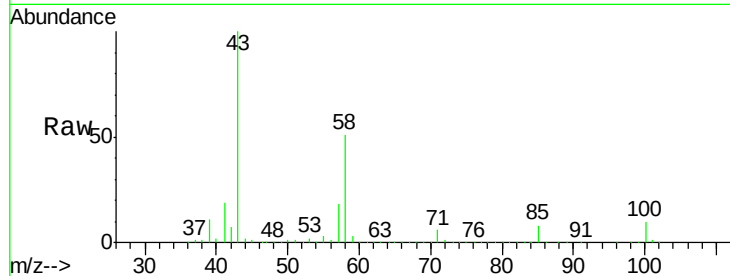
#59
2-Hexanone
Concen: 307.103 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058305.D
Acq: 23 Sep 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1257694
Ion Ratio Lower Upper
43 100
58 51.1 26.0 78.0

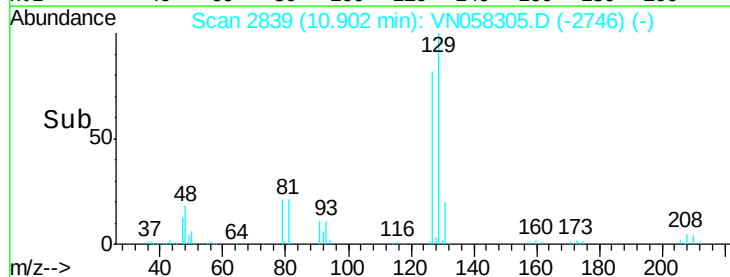
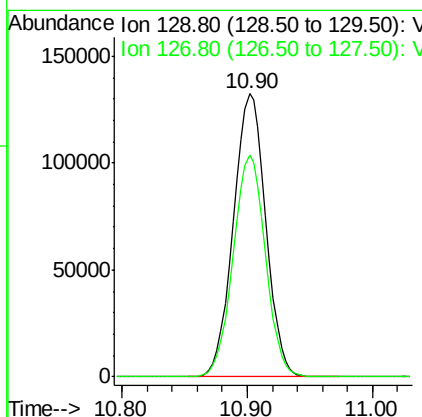
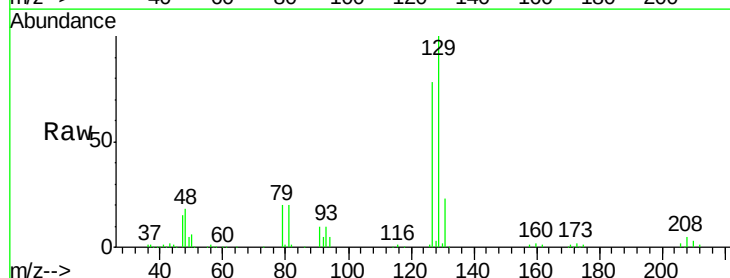
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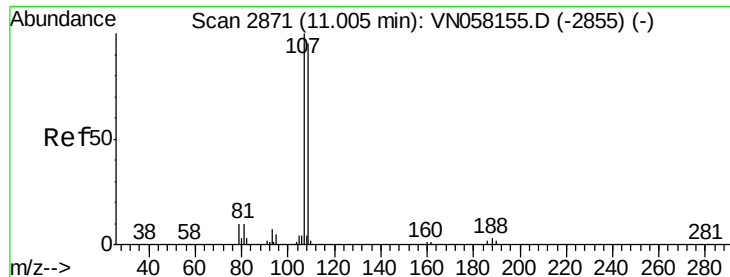
MMDadoda
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#60
Dibromochloromethane
Concen: 54.281 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN058305.D
Acq: 23 Sep 2019 19:57

Tgt Ion: 129 Resp: 237610
Ion Ratio Lower Upper
129 100
127 78.1 38.7 116.1





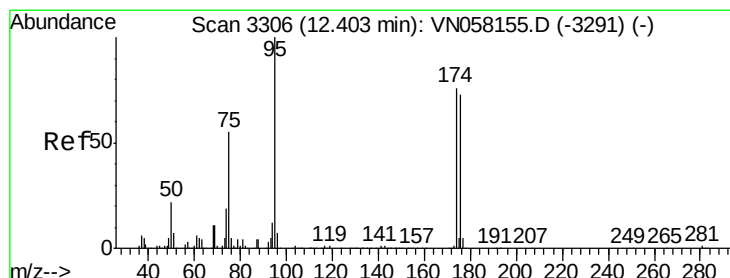
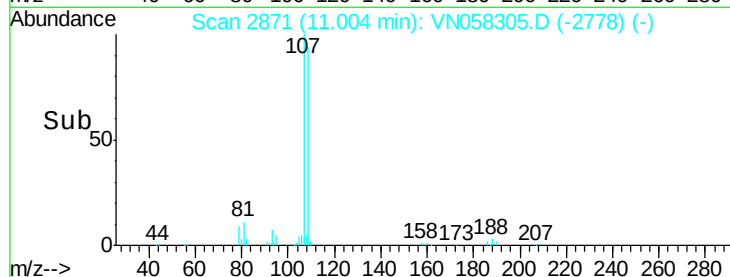
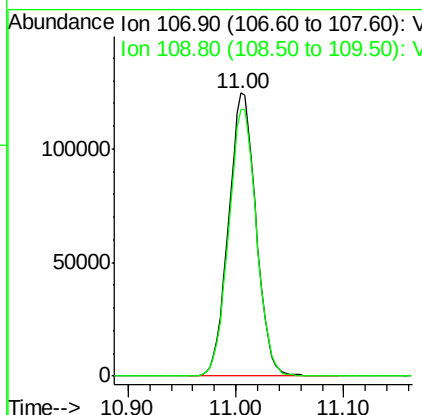
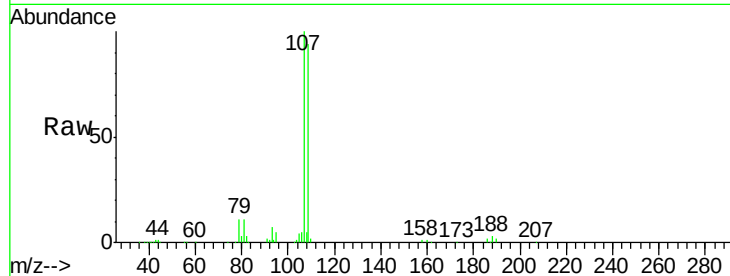
#61
 1,2-Dibromoethane
 Concen: 52.397 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN058305.D
 Acq: 23 Sep 2019 19:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.8	75.4	113.2

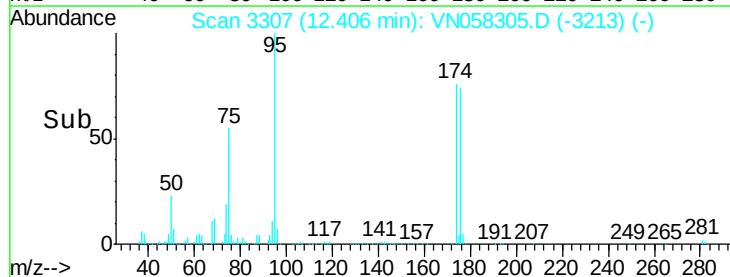
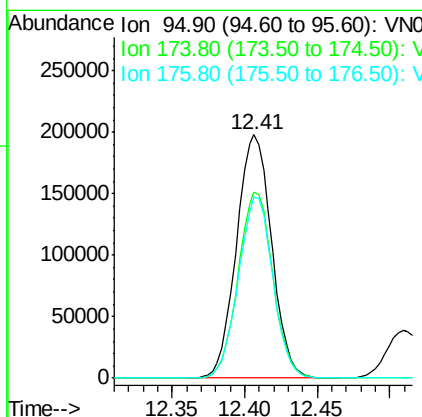
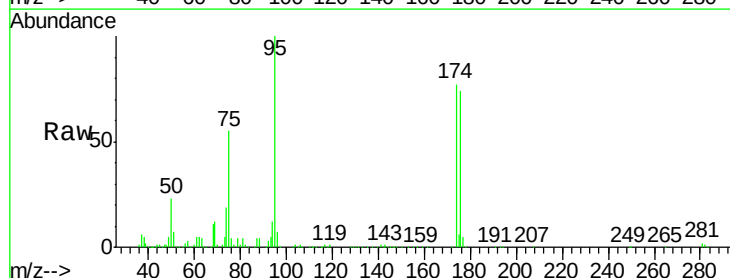
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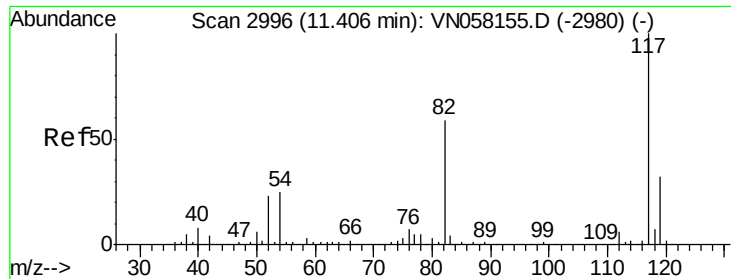
MMDadoda
 9/25/2019 12:49:34 AM



#62
 4-Bromofluorobenzene
 Concen: 50.988 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058305.D
 Acq: 23 Sep 2019 19:57

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.8	0.0	152.2
176	73.2	0.0	148.0





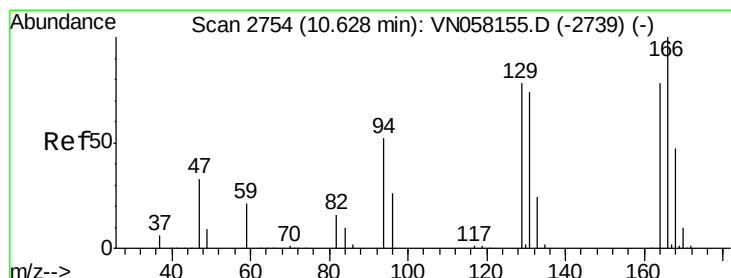
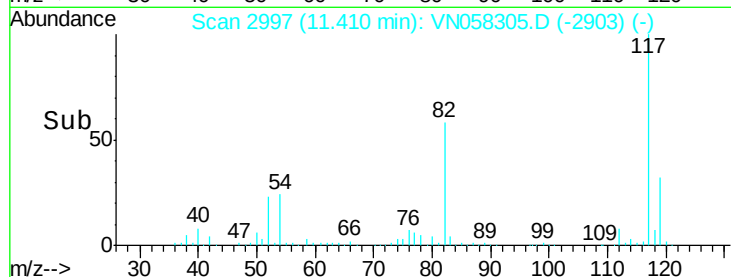
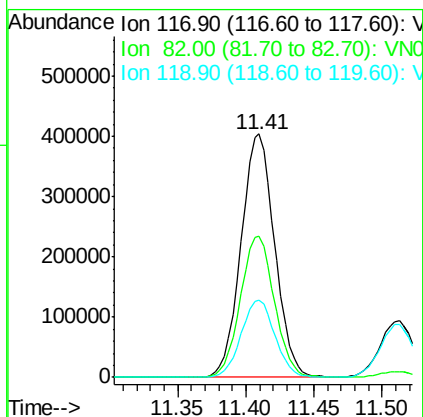
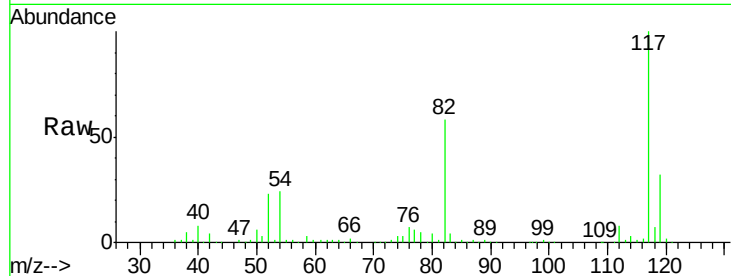
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058305.D
Acq: 23 Sep 2019 19:57

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.0	46.9	70.3
119	31.9	25.3	37.9

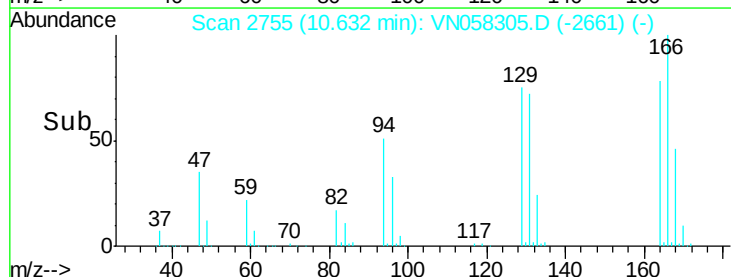
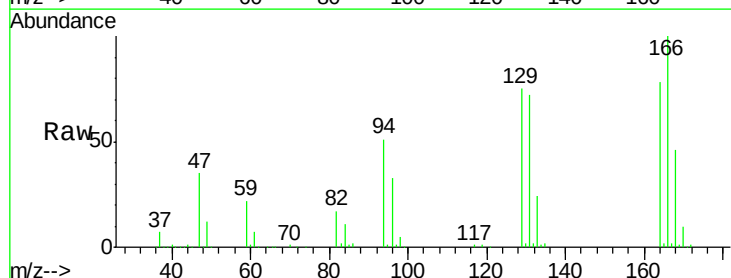
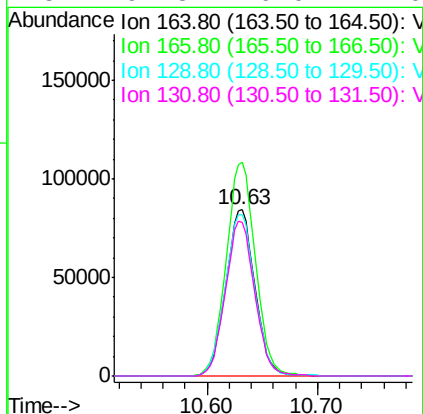
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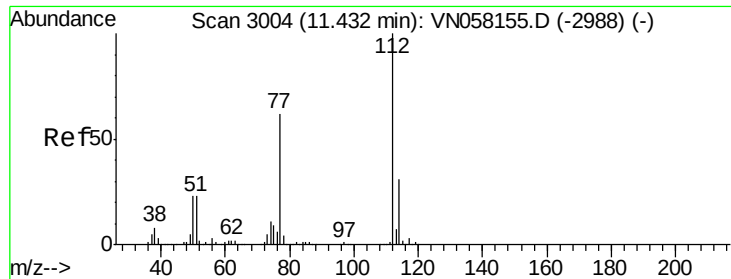
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#64
Tetrachloroethene
Concen: 45.738 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN058305.D
Acq: 23 Sep 2019 19:57

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.7	102.2	153.4
129	96.8	79.6	119.4
131	92.3	76.0	114.0





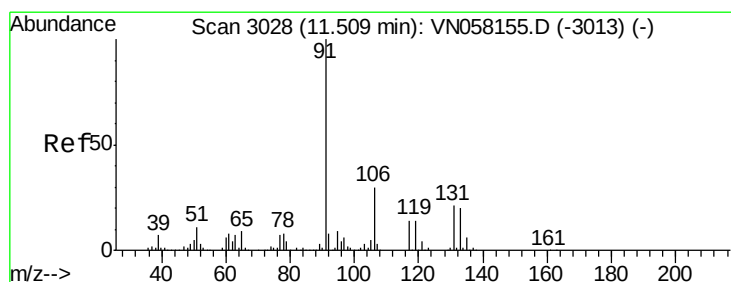
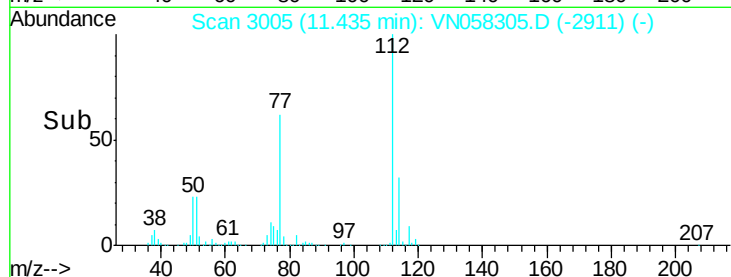
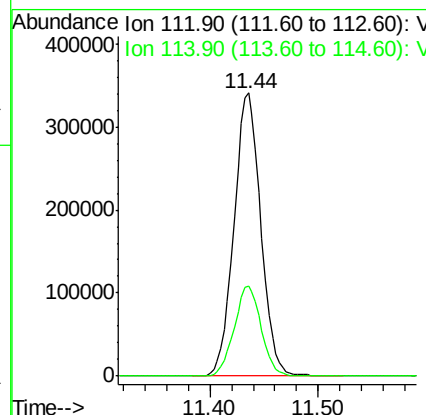
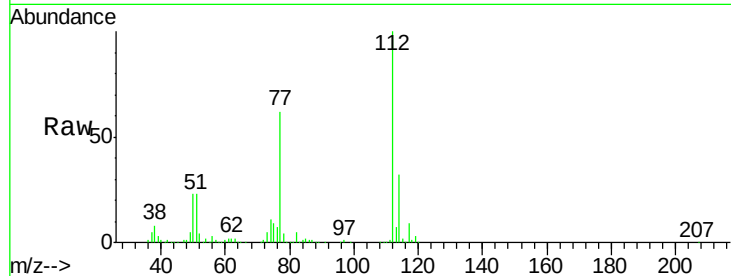
#65
Chlorobenzene
Concen: 48.377 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN058305.D
Acq: 23 Sep 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.1	37.7

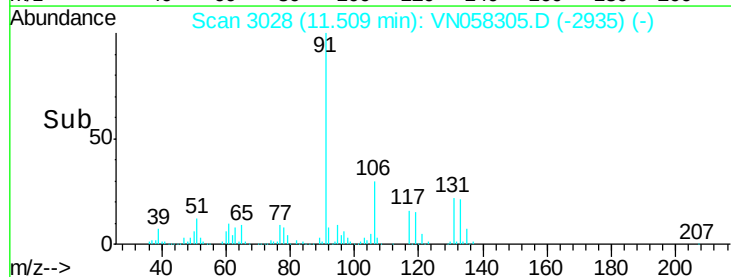
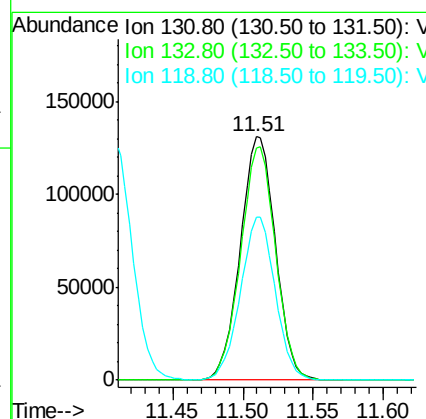
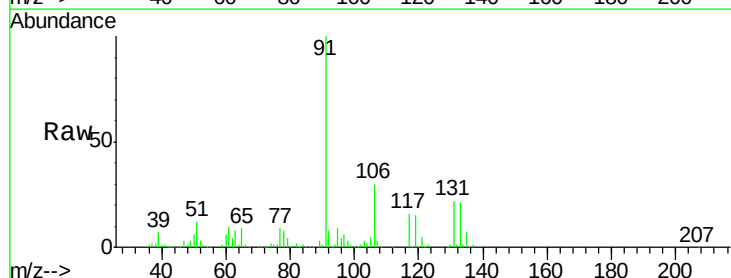
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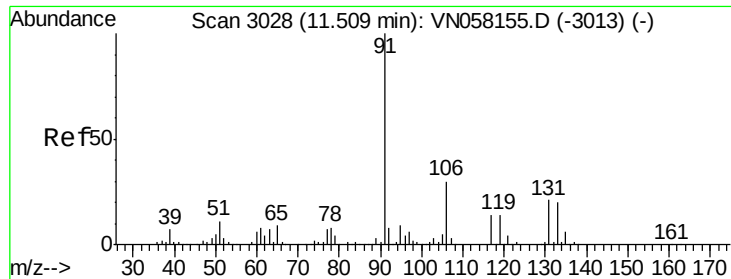
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.957 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN058305.D
Acq: 23 Sep 2019 19:57

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





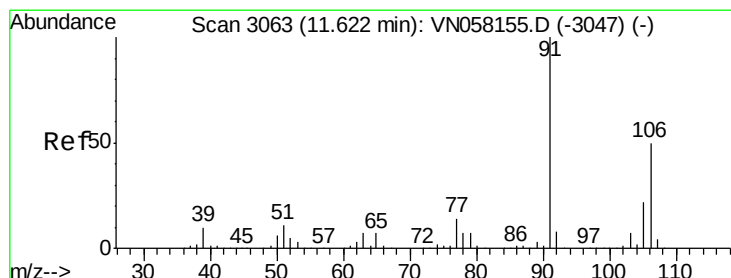
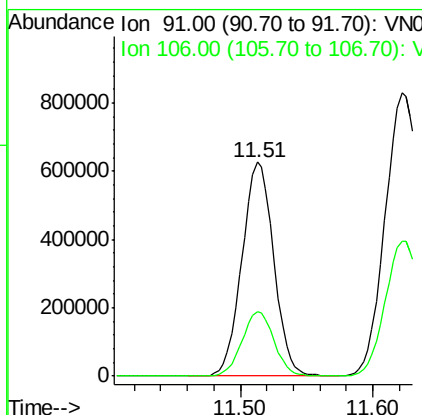
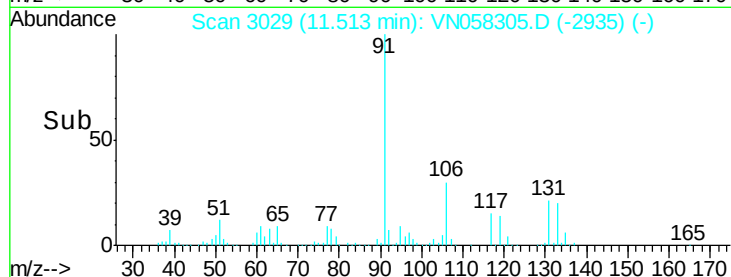
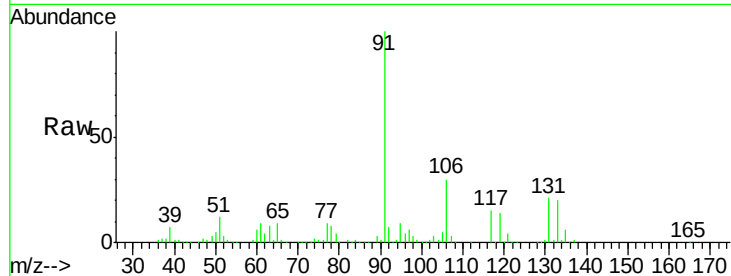
#67
Ethyl Benzene
Concen: 50.168 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058305.D
Acq: 23 Sep 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1046454
Ion Ratio Lower Upper
91 100
106 30.2 24.0 36.0

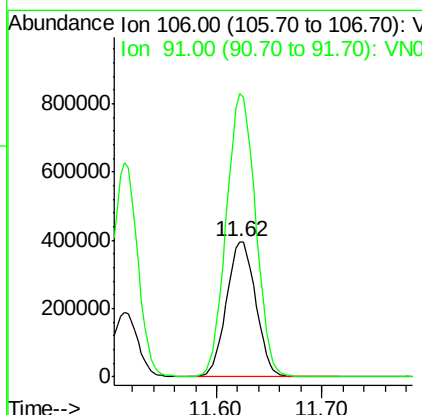
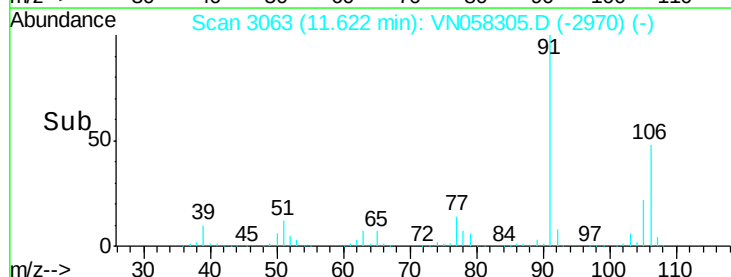
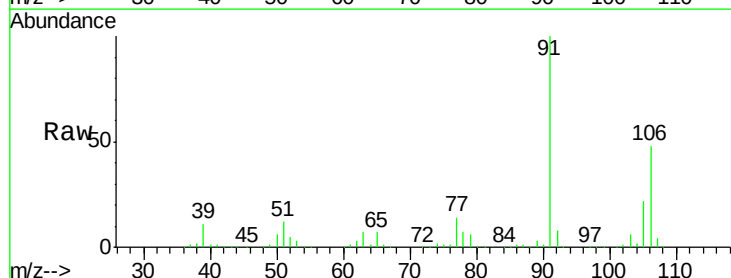
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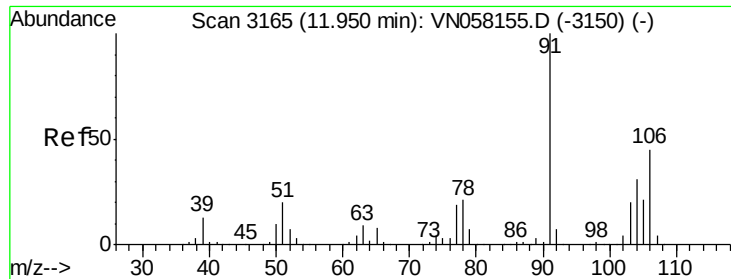
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#68
m/p-Xylenes
Concen: 96.792 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058305.D
Acq: 23 Sep 2019 19:57

Tgt Ion: 106 Resp: 760410
Ion Ratio Lower Upper
106 100
91 209.6 163.6 245.4





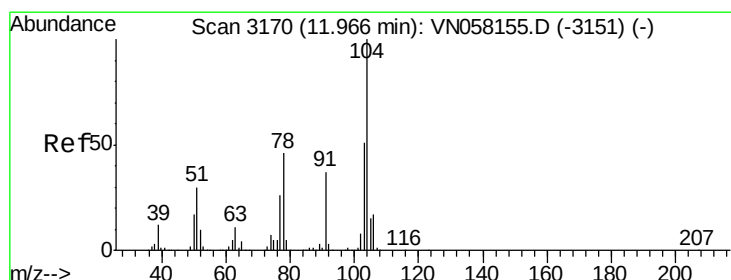
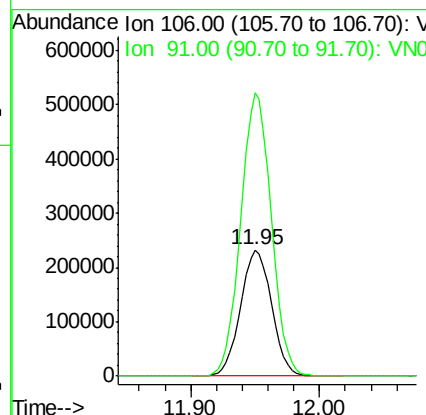
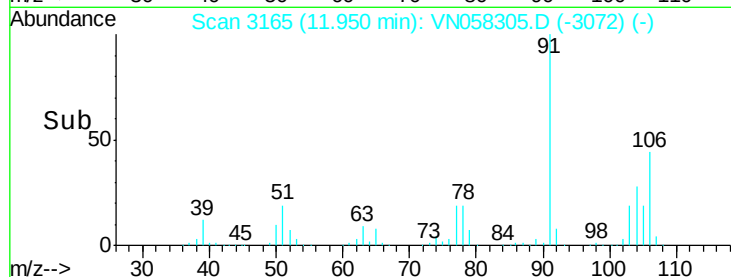
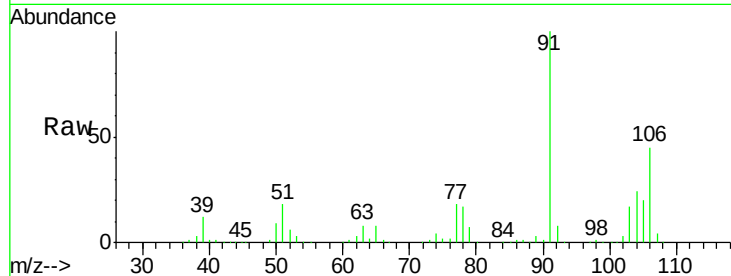
#69
o-Xylene
Concen: 50.300 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058305.D
Acq: 23 Sep 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 388563
Ion Ratio Lower Upper
106 100
91 221.7 111.8 335.3

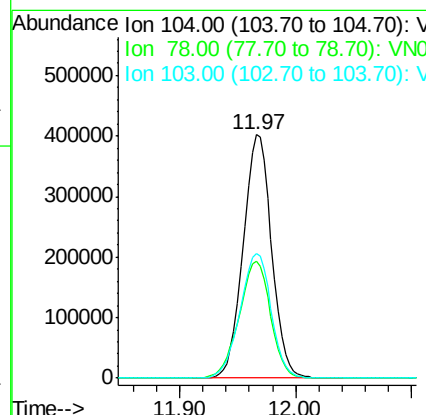
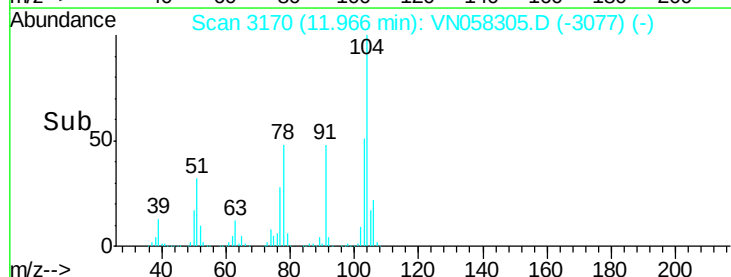
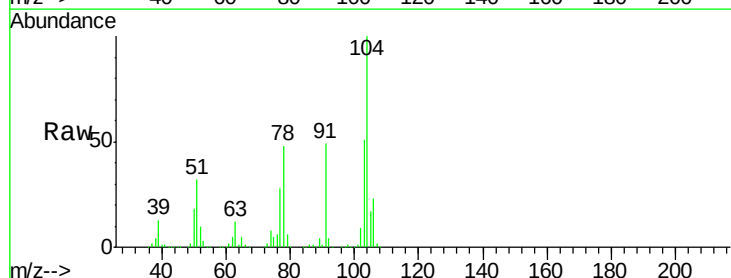
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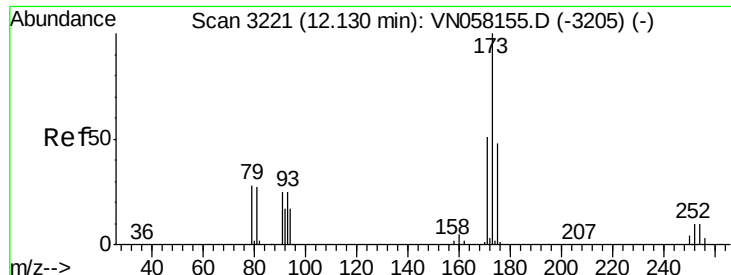
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#70
Styrene
Concen: 51.438 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058305.D
Acq: 23 Sep 2019 19:57

Tgt Ion:104 Resp: 684630
Ion Ratio Lower Upper
104 100
78 53.0 41.8 62.8
103 56.1 44.2 66.2





#71

Bromoform

Concen: 47.053 ug/l

RT: 12.13 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN058305.D

Acq: 23 Sep 2019 19:57

Instrument :

MSVOA_N

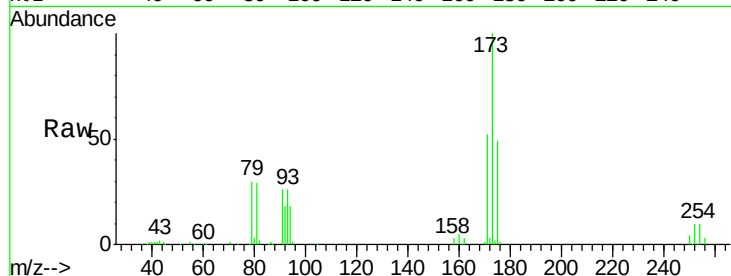
ClientSampleId :

VSTDCCC050EC

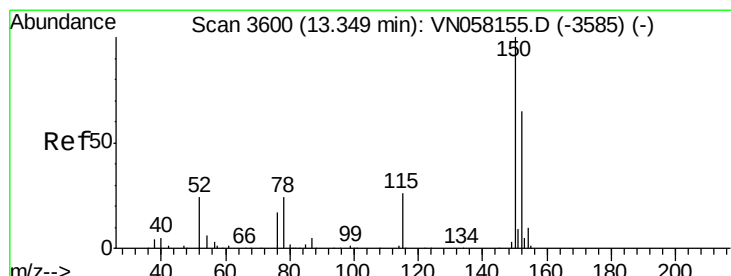
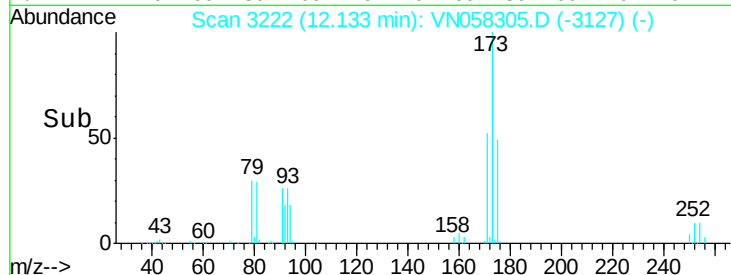
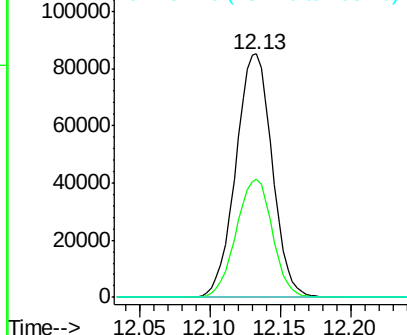
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.2	72.6
254	0.0	0.1	0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

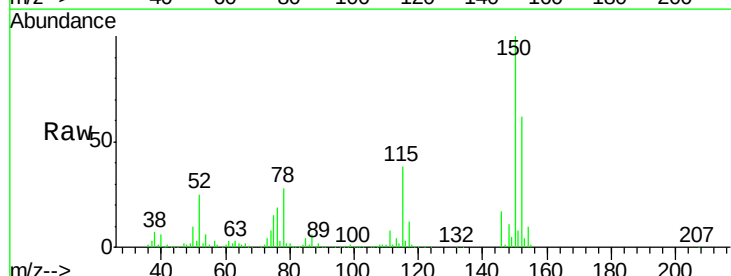
RT: 13.35 min Scan# 3601

Delta R.T. 0.00 min

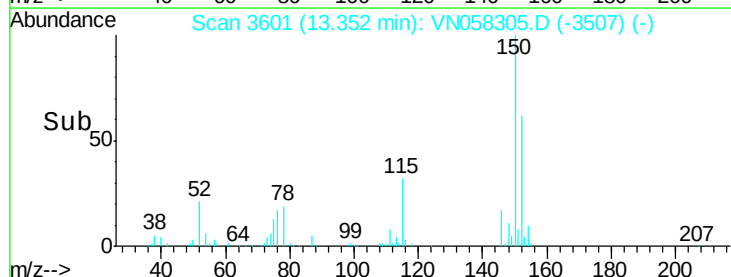
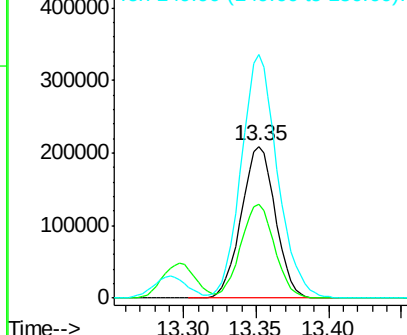
Lab File: VN058305.D

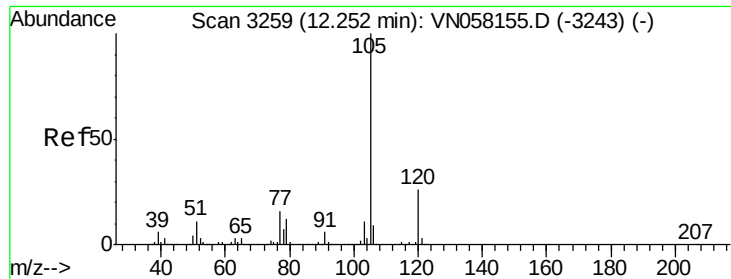
Acq: 23 Sep 2019 19:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.8	30.1	90.3
150	170.9	0.0	346.4



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





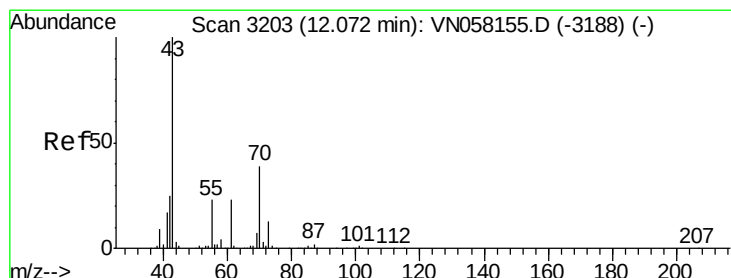
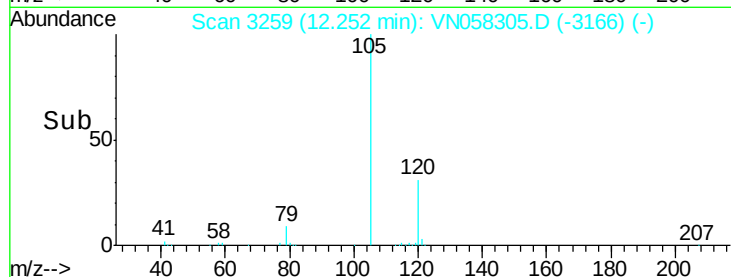
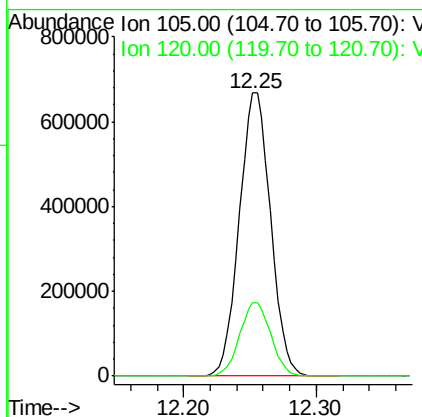
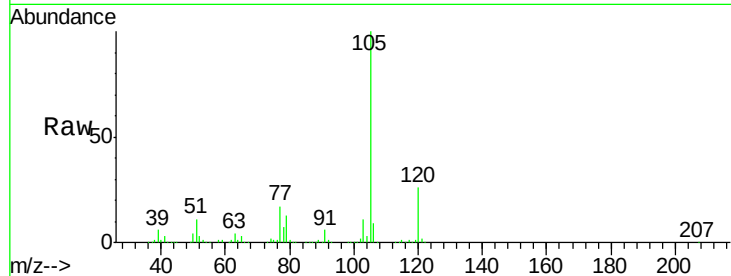
#73
Isopropylbenzene
Concen: 51.354 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. -0.00 min
Lab File: VN058305.D
Acq: 23 Sep 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:105 Resp: 1095859
Ion Ratio Lower Upper
105 100
120 25.8 12.8 38.3

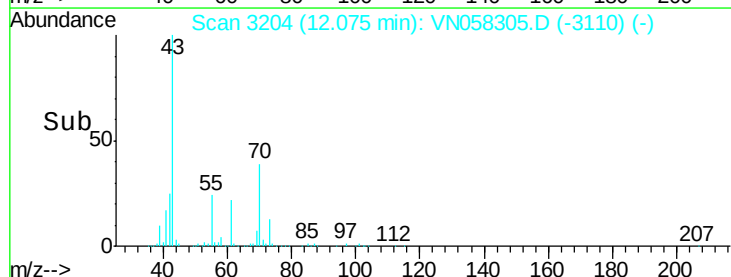
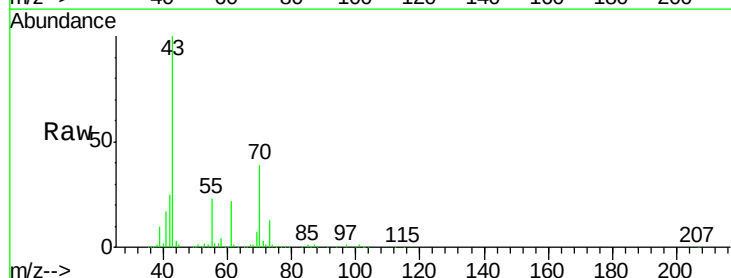
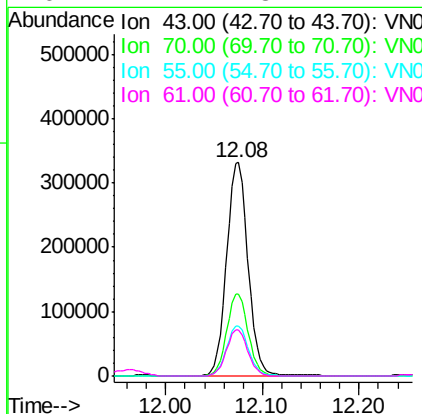
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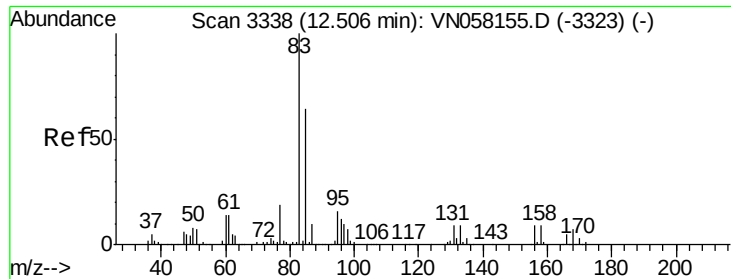
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#74
N-ethyl acetate
Concen: 57.324 ug/l
RT: 12.08 min Scan# 3204
Delta R.T. 0.00 min
Lab File: VN058305.D
Acq: 23 Sep 2019 19:57

Tgt Ion: 43 Resp: 511746
Ion Ratio Lower Upper
43 100
70 38.4 31.0 46.6
55 23.9 18.5 27.7
61 21.7 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 55.939 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058305.D

Acq: 23 Sep 2019 19:57

Instrument :

MSVOA_N

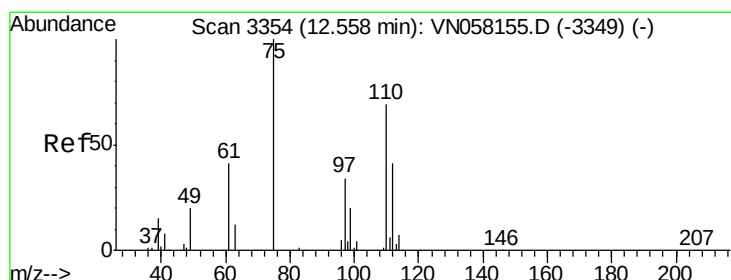
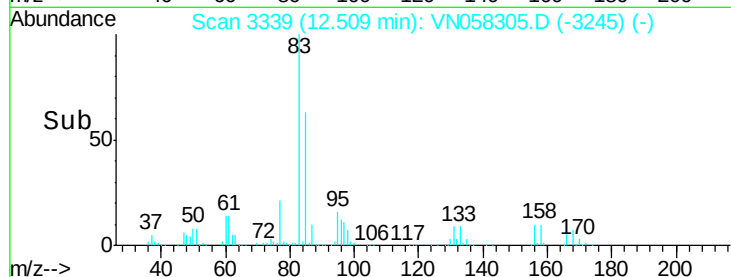
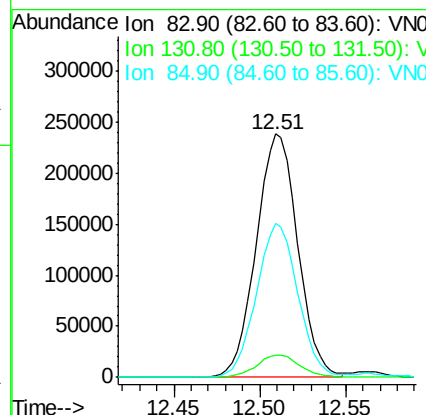
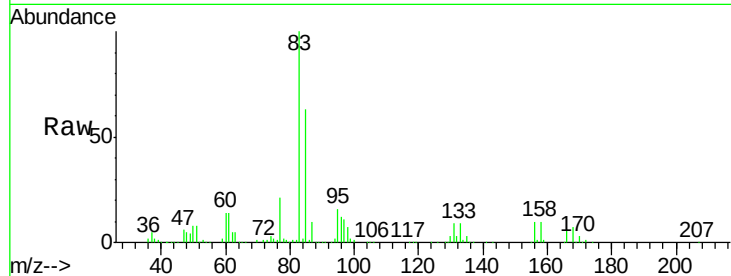
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	399743
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.8	14.3
85	63.2	31.9	95.5

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#76

1,2,3-Trichloropropane

Concen: 52.595 ug/l m

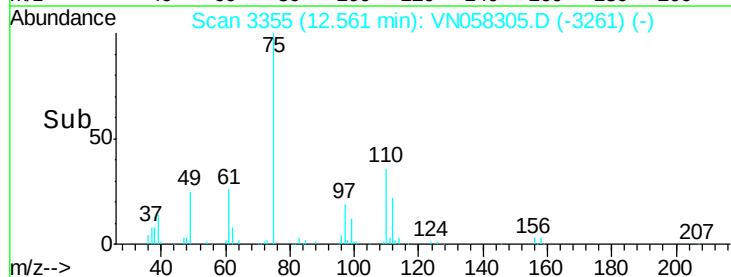
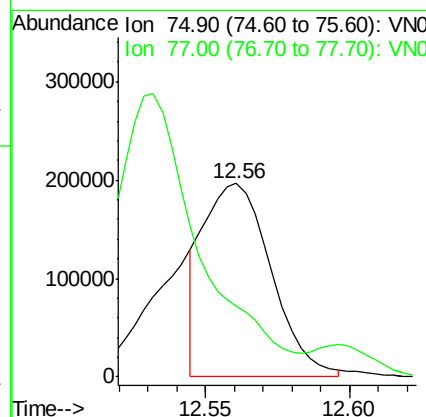
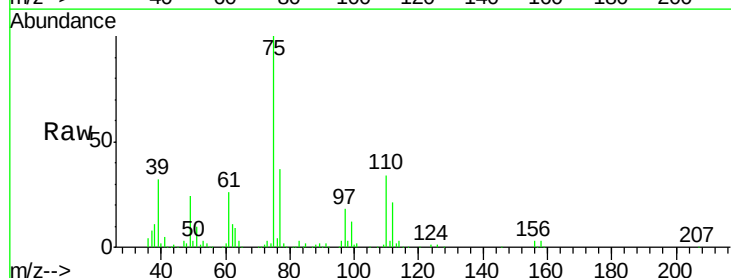
RT: 12.56 min Scan# 3355

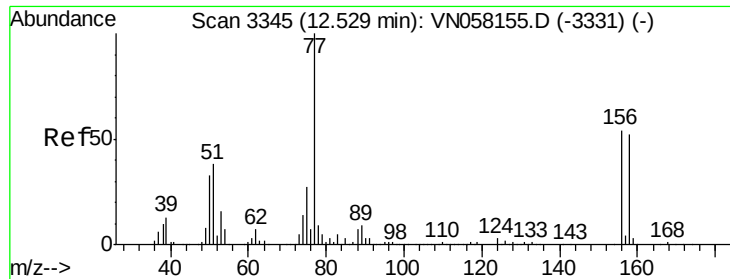
Delta R.T. 0.00 min

Lab File: VN058305.D

Acq: 23 Sep 2019 19:57

Tgt Ion:	75	Resp:	320902
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.300 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058305.D

Acq: 23 Sep 2019 19:57

Instrument :

MSVOA_N

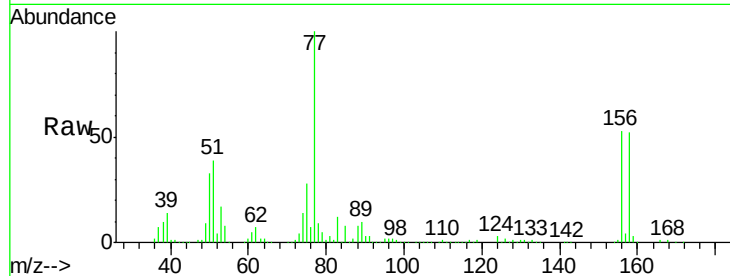
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	259262
Ion Ratio	Lower	Upper	
156	100		
77	232.2	111.7	335.1
158	97.5	47.9	143.8

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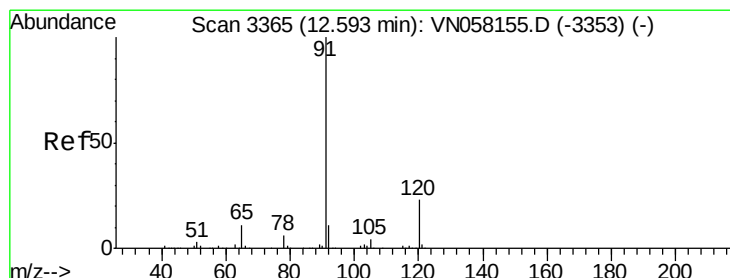
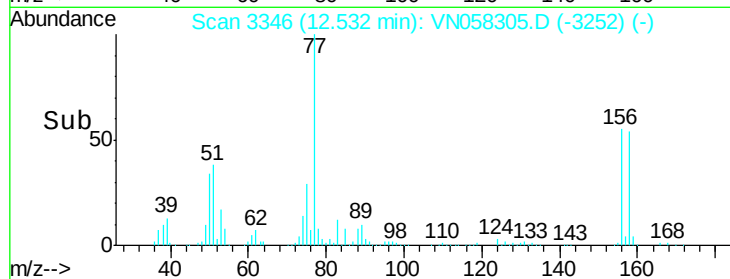
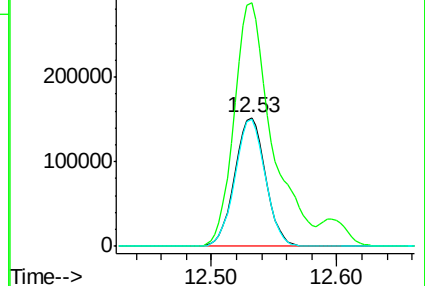
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.038 ug/l

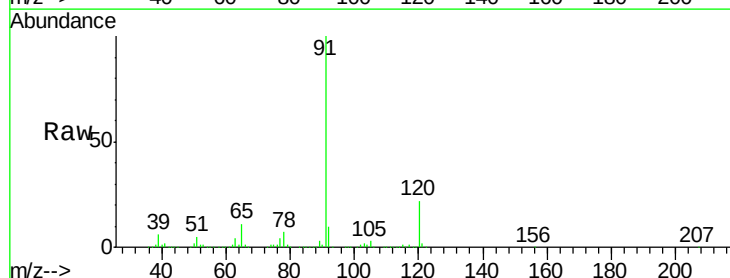
RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058305.D

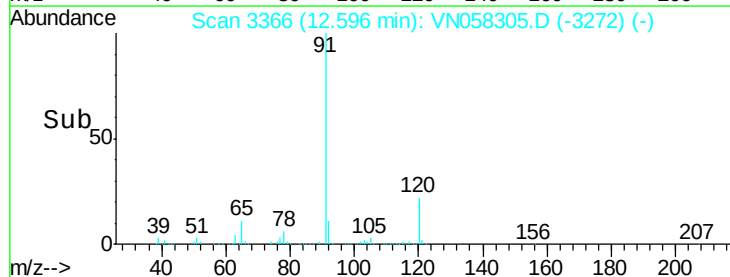
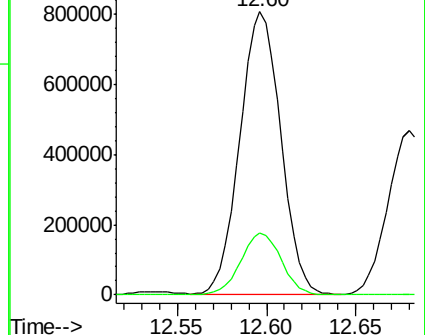
Acq: 23 Sep 2019 19:57

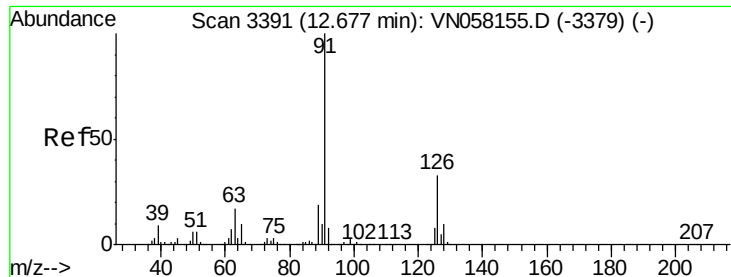
Tgt Ion:	91	Resp:	1286133
Ion Ratio	Lower	Upper	
91	100		
120	21.7	11.1	33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.179 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058305.D

Acq: 23 Sep 2019 19:57

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 775621

Ion Ratio Lower Upper

91 100

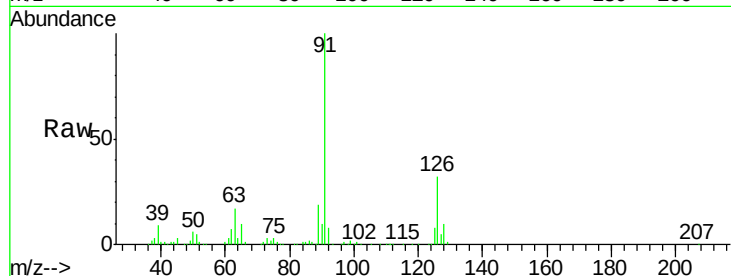
126 32.1 16.4 49.1

Manual Integrations

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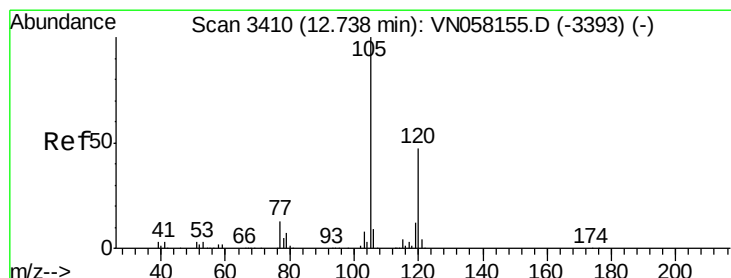
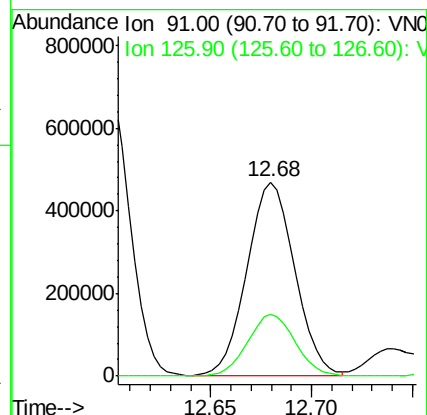
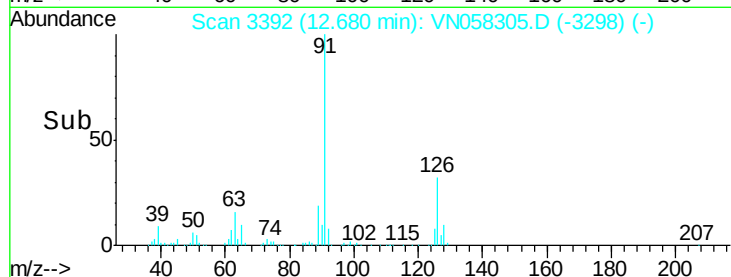
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Abundance Ion 91.00 (90.70 to 91.70): VN058155.D (-3379) (-)

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



#80

1,3,5-Trimethylbenzene

Concen: 52.408 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058305.D

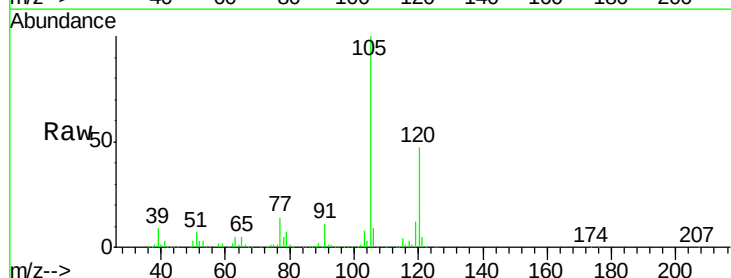
Acq: 23 Sep 2019 19:57

Tgt Ion: 105 Resp: 945715

Ion Ratio Lower Upper

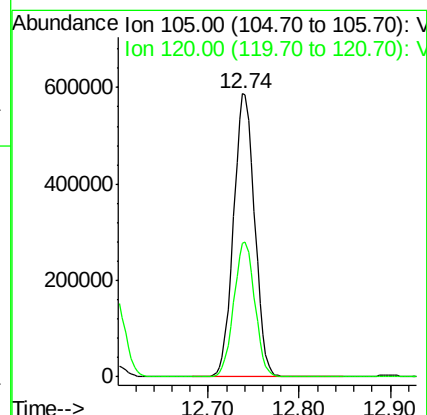
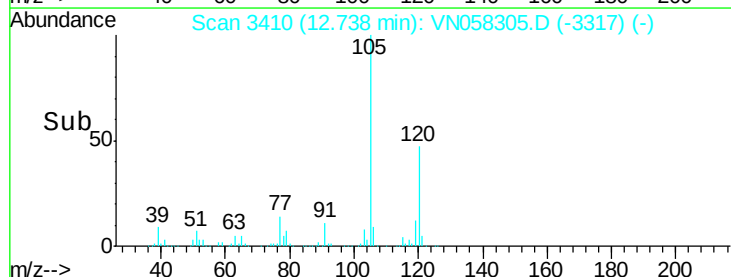
105 100

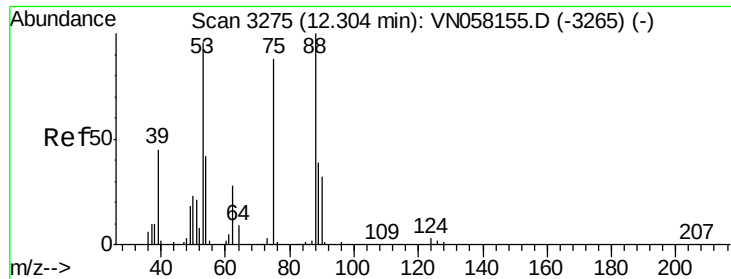
120 47.2 23.4 70.0



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

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





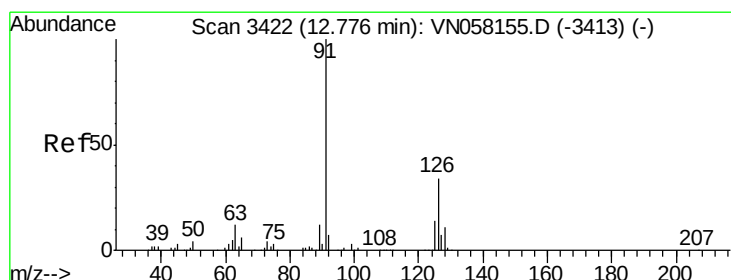
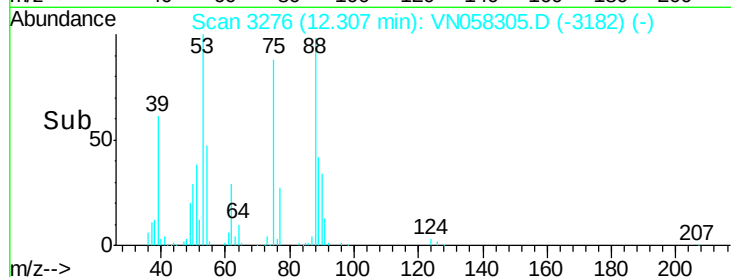
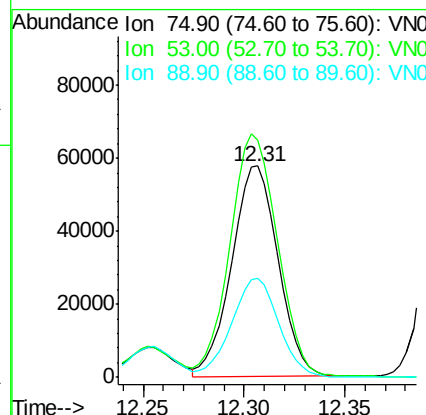
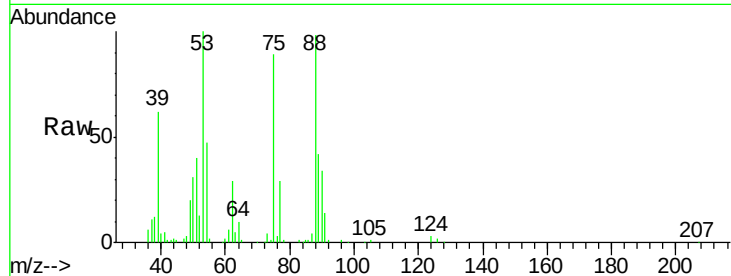
#81
trans-1,4-Dichloro-2-butene
Concen: 45.896 ug/l
RT: 12.31 min Scan# 3276
Delta R.T. 0.00 min
Lab File: VN058305.D
Acq: 23 Sep 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	117.2	90.1	135.1
89	48.2	36.2	54.2

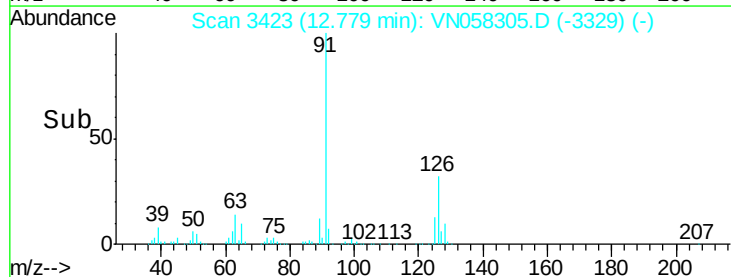
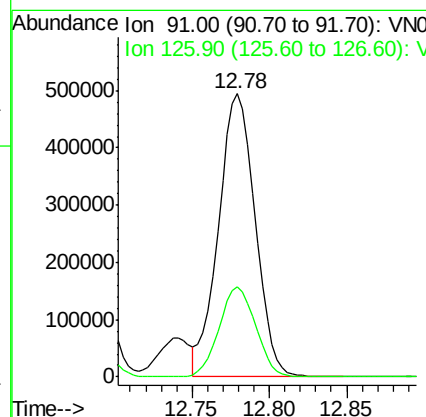
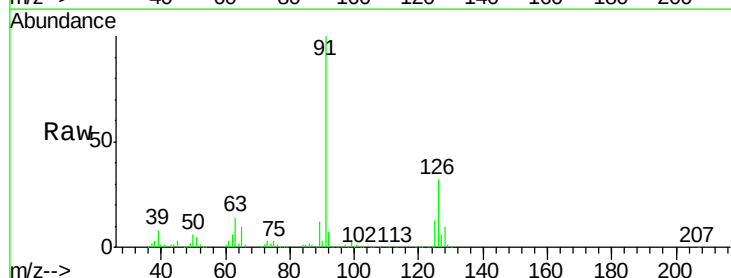
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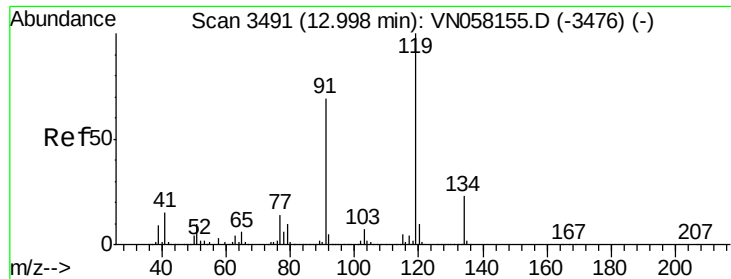
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#82
4-Chlorotoluene
Concen: 51.052 ug/l
RT: 12.78 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN058305.D
Acq: 23 Sep 2019 19:57

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.7	47.1





#83

tert-Butylbenzene

Concen: 52.177 ug/l

RT: 13.00 min Scan# 3492

Delta R.T. 0.00 min

Lab File: VN058305.D

Acq: 23 Sep 2019 19:57

Instrument :

MSVOA_N

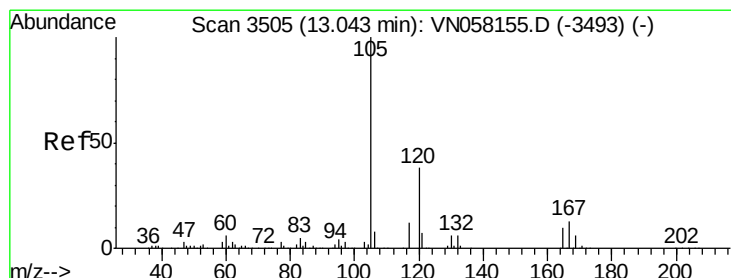
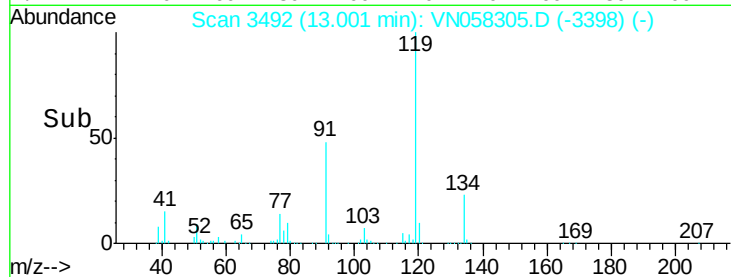
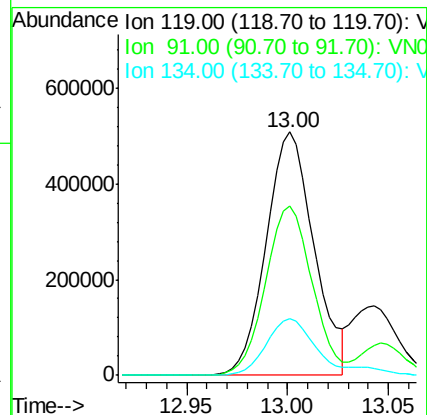
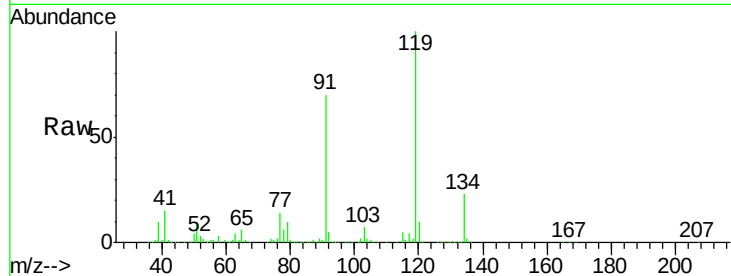
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	839649
Ion Ratio	Lower	Upper	
119	100		
91	68.0	33.8	101.3
134	23.5	11.6	34.8

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 53.892 ug/l

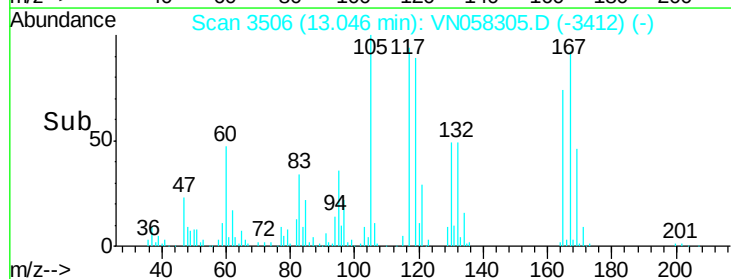
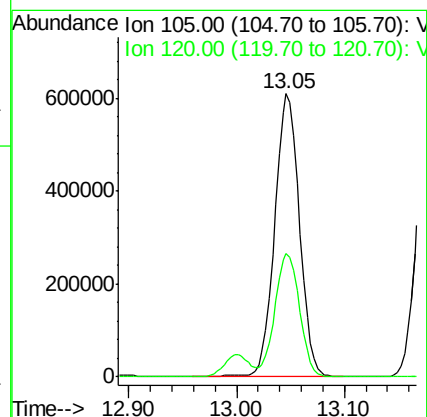
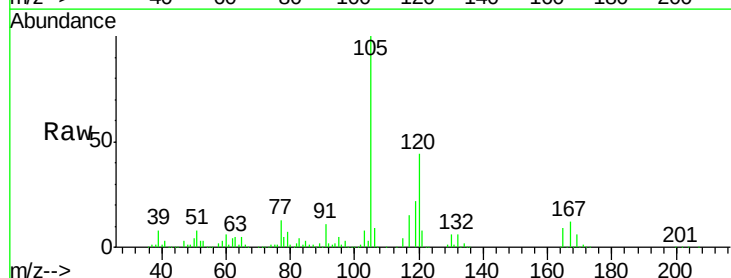
RT: 13.05 min Scan# 3506

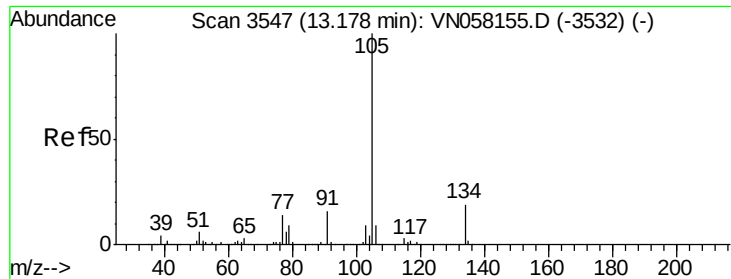
Delta R.T. 0.00 min

Lab File: VN058305.D

Acq: 23 Sep 2019 19:57

Tgt Ion:	105	Resp:	967782
Ion Ratio	Lower	Upper	
105	100		
120	43.7	22.1	66.5





#85

sec-Butylbenzene

Concen: 52.816 ug/l

RT: 13.18 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN058305.D

Acq: 23 Sep 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1111430

Ion Ratio Lower Upper

105 100

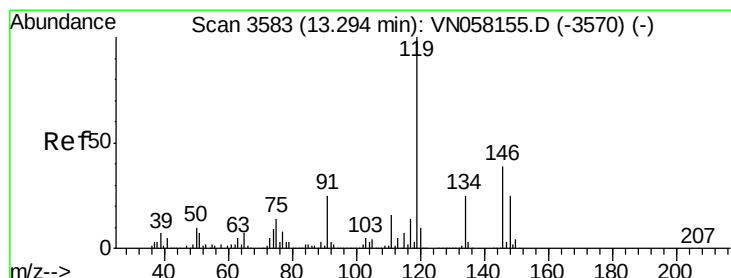
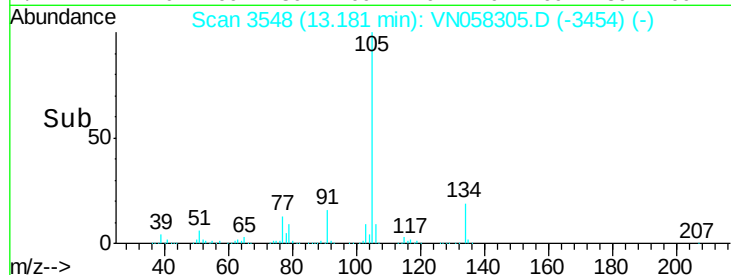
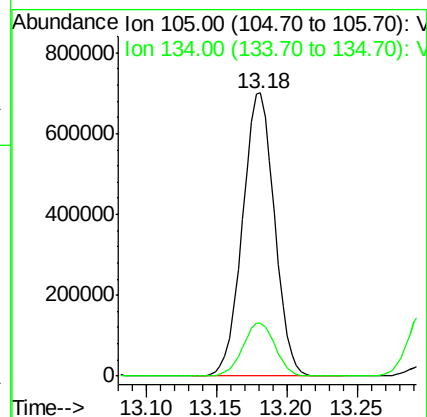
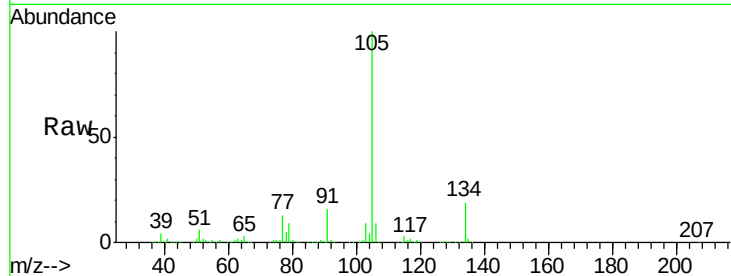
134 19.1 9.5 28.5

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#86

p-Isopropyltoluene

Concen: 52.942 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN058305.D

Acq: 23 Sep 2019 19:57

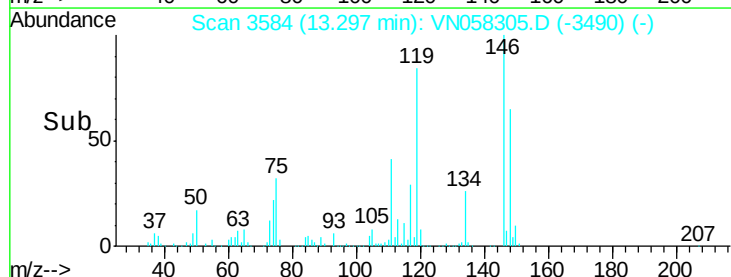
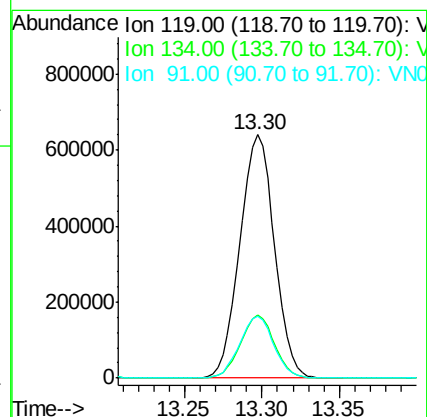
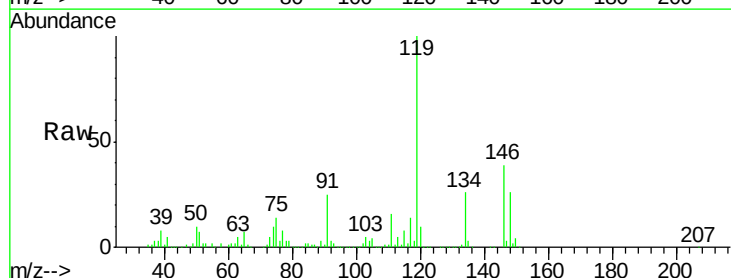
Tgt Ion:119 Resp: 990422

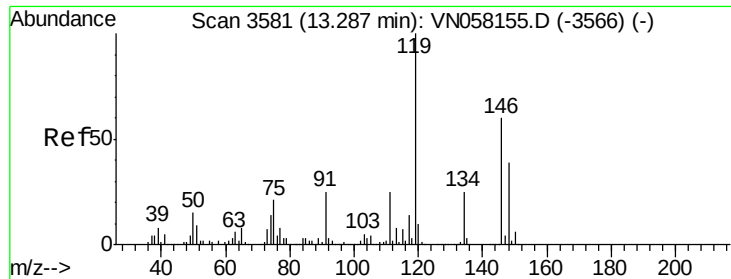
Ion Ratio Lower Upper

119 100

134 25.6 12.7 38.0

91 25.1 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 51.081 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN058305.D

Acq: 23 Sep 2019 19:57

Instrument :

MSVOA_N

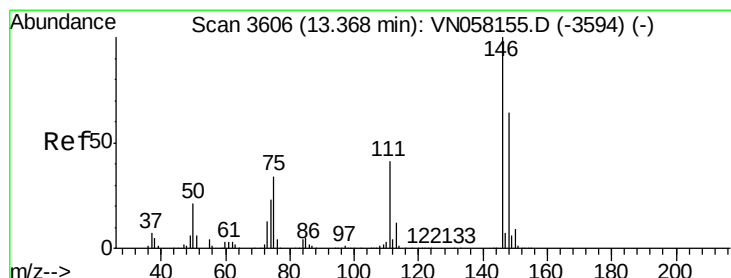
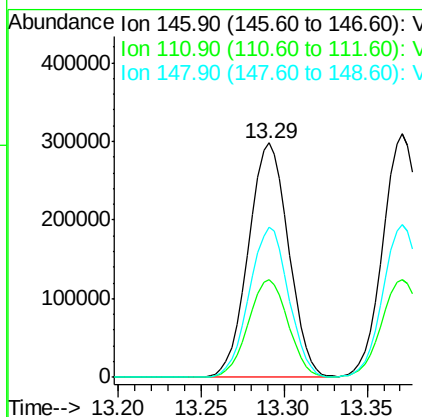
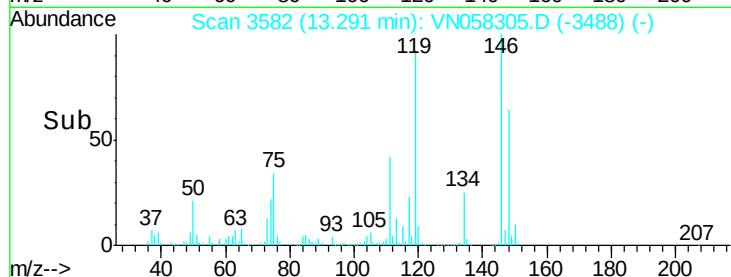
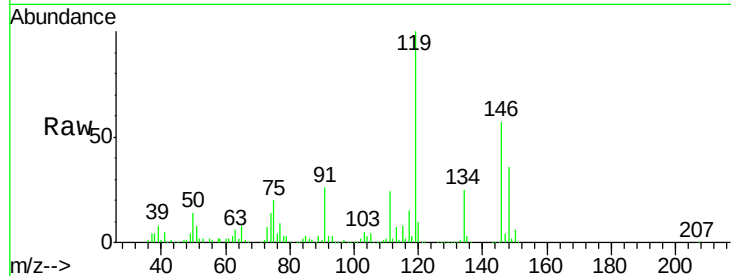
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	500805
Ion Ratio	Lower	Upper	
146	100		
111	41.5	20.9	62.8
148	63.0	32.0	96.2

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#88

1,4-Dichlorobenzene

Concen: 49.939 ug/l

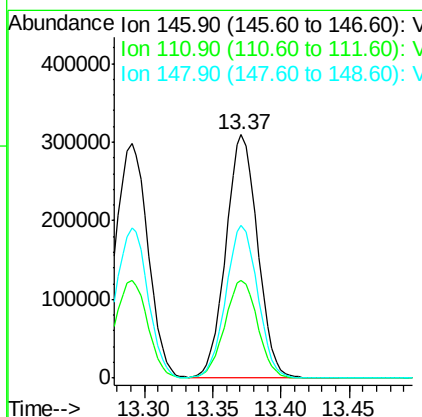
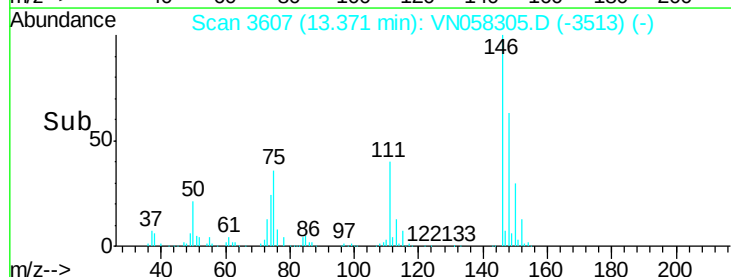
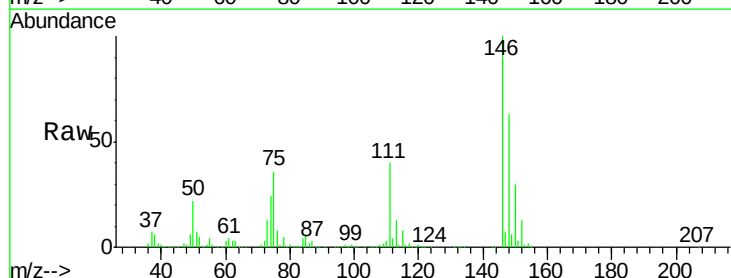
RT: 13.37 min Scan# 3607

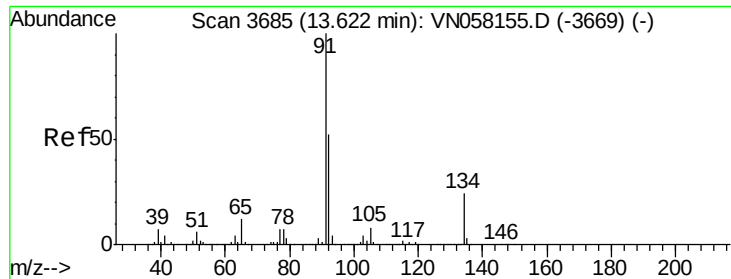
Delta R.T. 0.00 min

Lab File: VN058305.D

Acq: 23 Sep 2019 19:57

Tgt Ion:	146	Resp:	499847
Ion Ratio	Lower	Upper	
146	100		
111	41.4	20.5	61.5
148	62.9	31.9	95.5





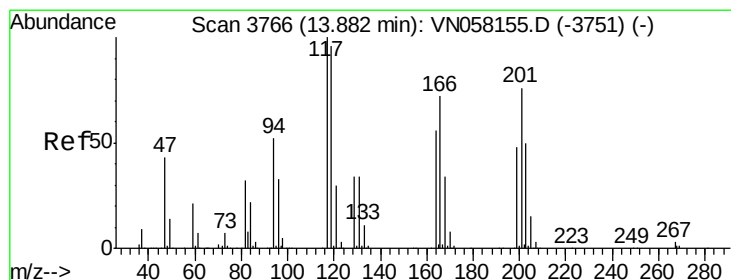
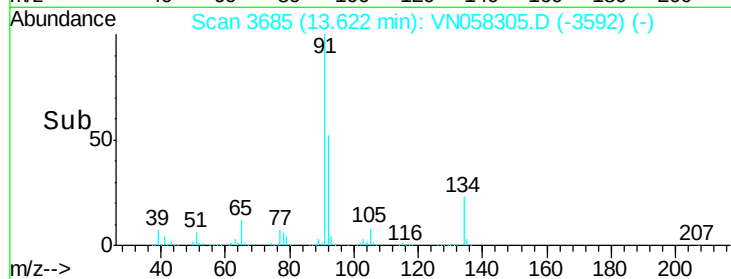
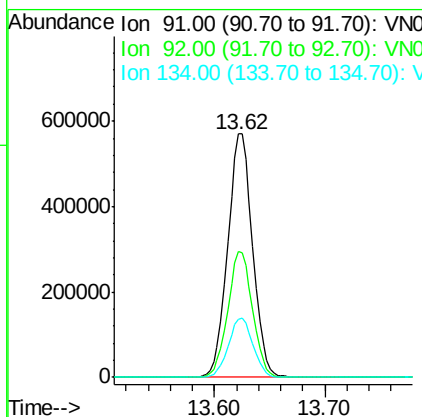
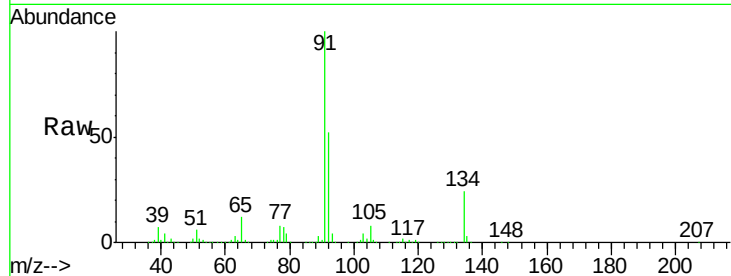
#89
n-Butylbenzene
Concen: 50.219 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN058305.D
Acq: 23 Sep 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	25.7	77.0
134	24.3	11.8	35.4

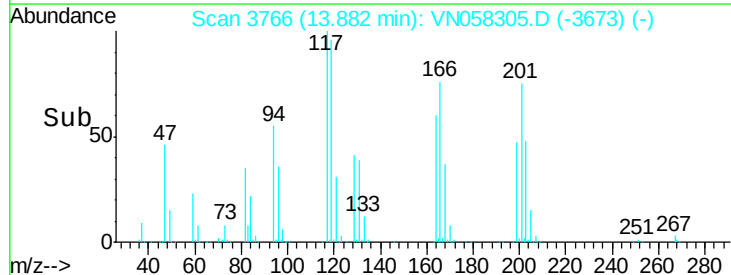
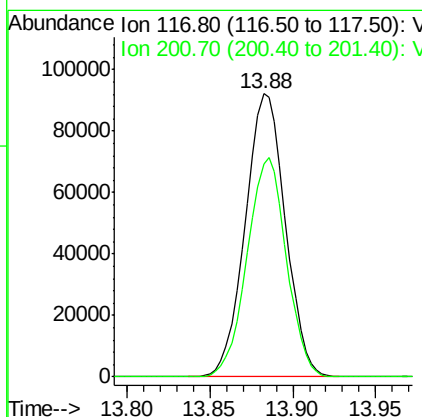
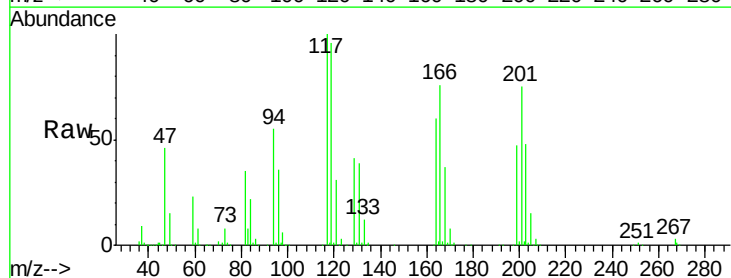
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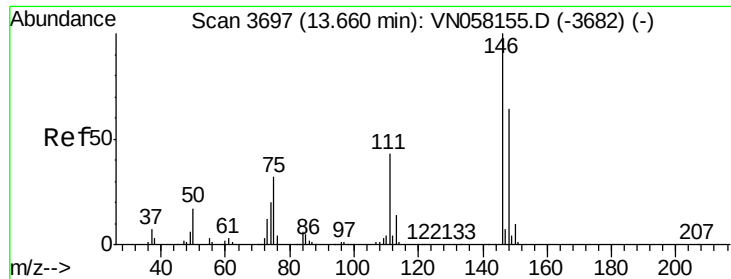
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#90
Hexachloroethane
Concen: 47.402 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058305.D
Acq: 23 Sep 2019 19:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.8	37.5	112.5





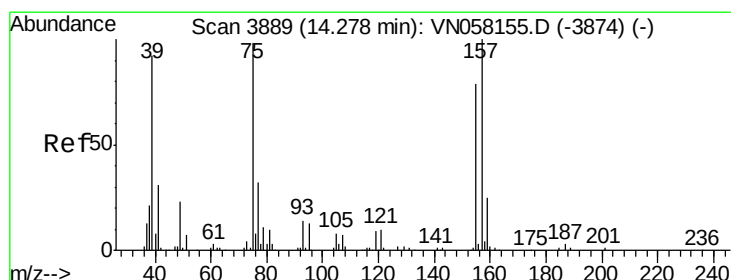
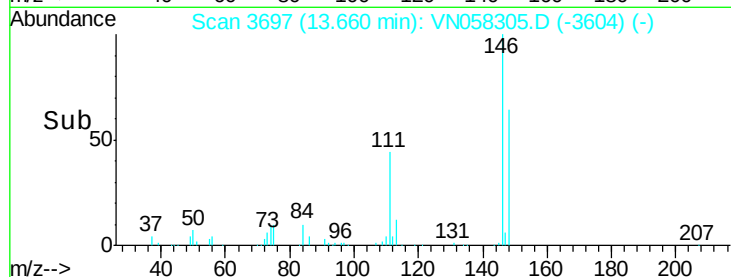
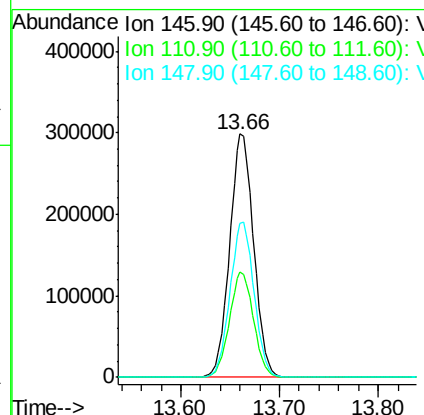
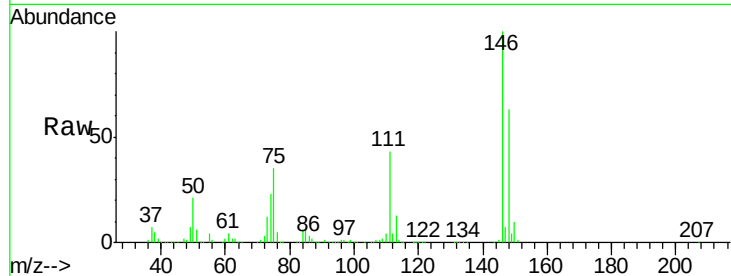
#91
 1,2-Dichlorobenzene
 Concen: 51.683 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN058305.D
 Acq: 23 Sep 2019 19:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	43.2	21.1	63.1	
148	63.9	31.8	95.4	

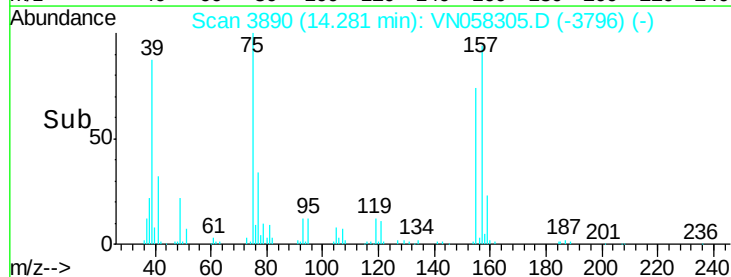
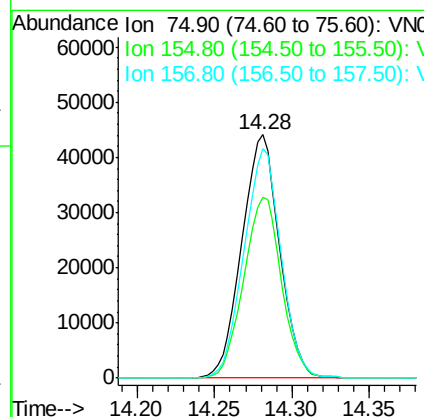
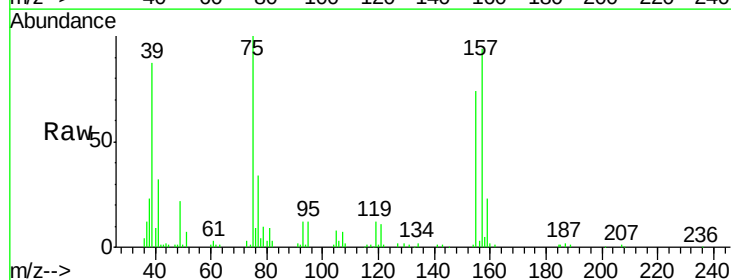
Manual Integrations
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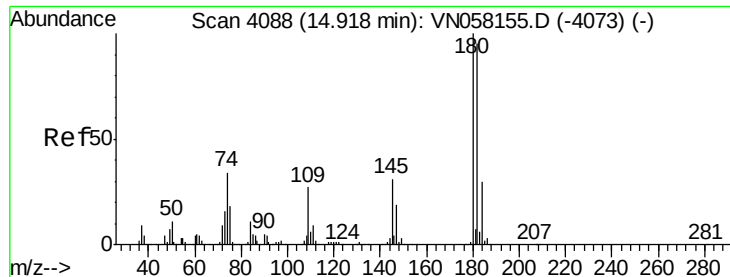
MMDadoda
 9/25/2019 12:49:34 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.229 ug/l
 RT: 14.28 min Scan# 3890
 Delta R.T. 0.00 min
 Lab File: VN058305.D
 Acq: 23 Sep 2019 19:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	74.7	38.3	114.8	
157	92.8	48.0	144.0	





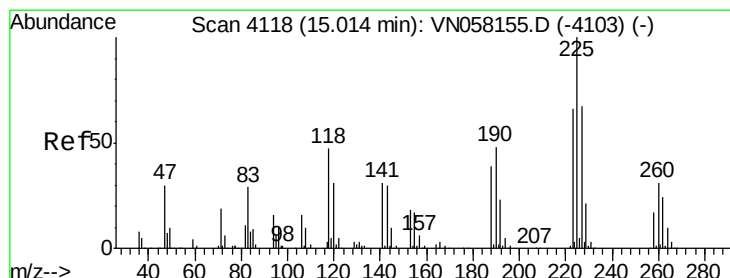
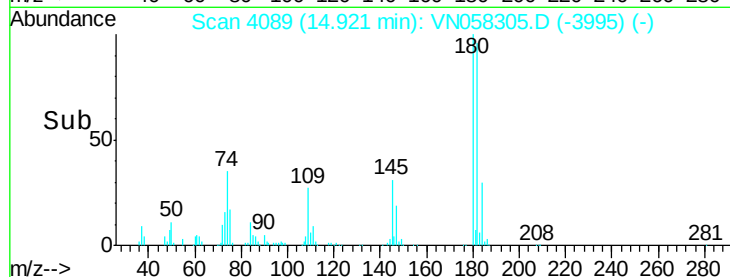
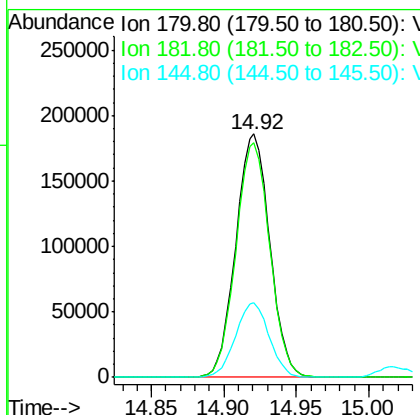
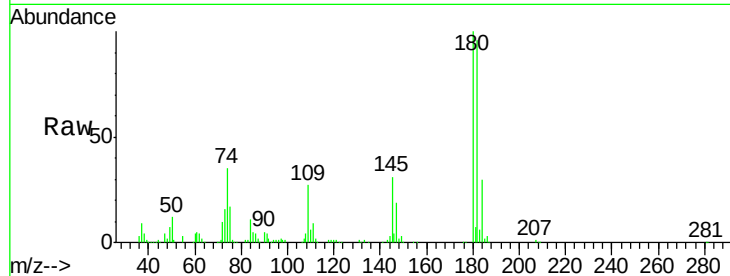
#93
 1,2,4-Trichlorobenzene
 Concen: 48.185 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.00 min
 Lab File: VN058305.D
 Acq: 23 Sep 2019 19:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.8	143.3
145	30.5	15.4	46.4

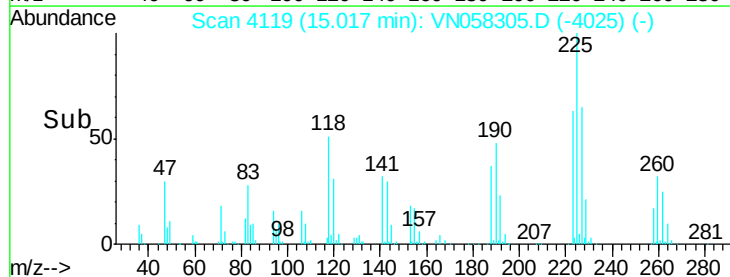
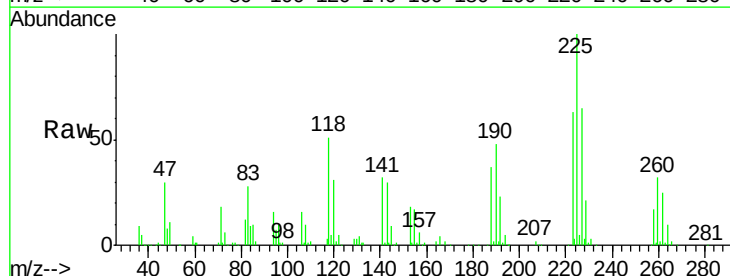
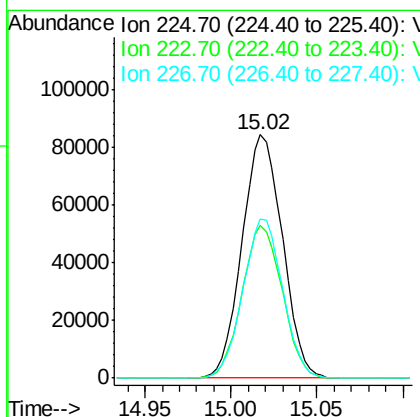
Manual Integrations
 APPROVED

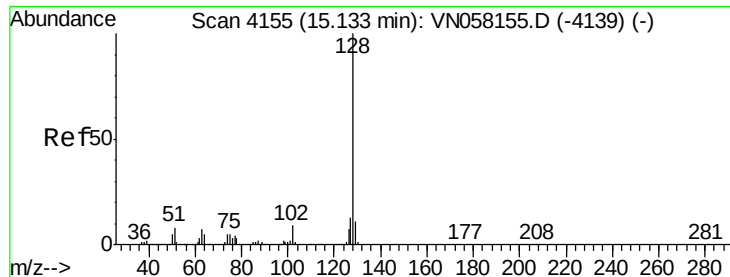
MMDadoda
 9/25/2019 12:49:34 AM



#94
 Hexachlorobutadiene
 Concen: 45.179 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058305.D
 Acq: 23 Sep 2019 19:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	32.6	97.7
227	64.2	33.0	99.0





#95

Naphthalene

Concen: 53.572 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN058305.D

Acq: 23 Sep 2019 19:57

Instrument :

MSVOA_N

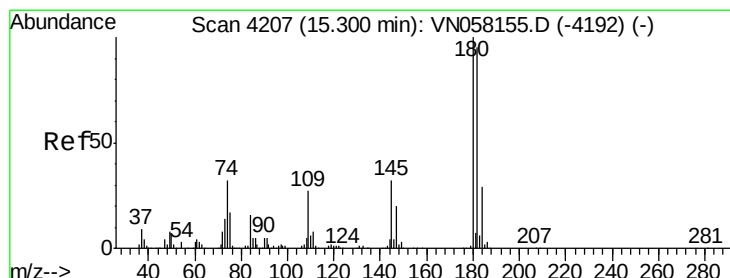
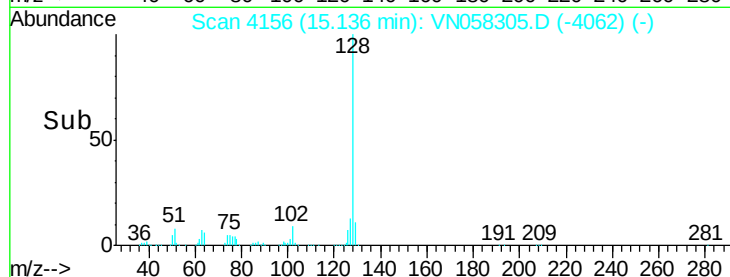
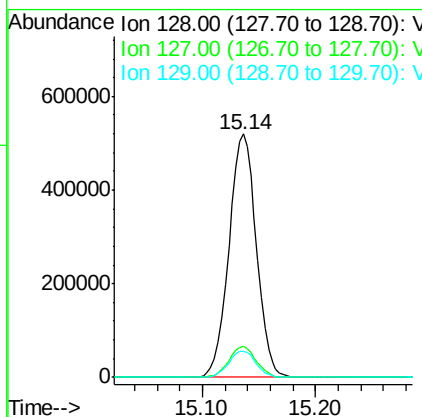
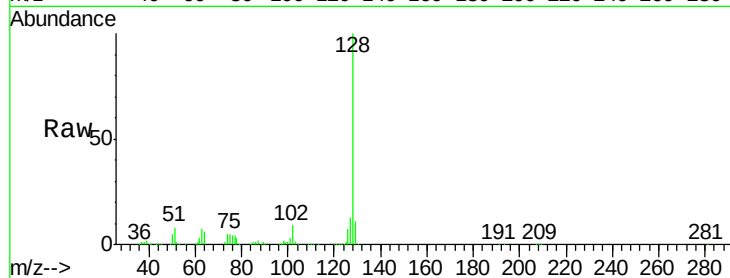
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	872390
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.2
129	10.9	8.6	12.8

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 48.708 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058305.D

Acq: 23 Sep 2019 19:57

Tgt Ion:	180	Resp:	289282
Ion Ratio	Lower	Upper	
180	100		
182	94.6	47.4	142.2
145	31.8	16.1	48.2

