

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090420\
 Data File : VN063257.D
 Acq On : 4 Sep 2020 19:00
 Operator : JC/MD
 Sample : L3902-08MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-MW131I-20200901MSD

Quant Time: Sep 05 07:32:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N083120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 01 04:21:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	305659	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	595766	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	553117	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	255998	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	264147	52.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.74%	
35) Dibromofluoromethane	7.55	113	194454	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	
50) Toluene-d8	10.06	98	745495	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	
62) 4-Bromofluorobenzene	12.38	95	267561	51.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.98%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	140211	46.578	ug/l	98
3) Chloromethane	2.04	50	205253	46.826	ug/l	99
4) Vinyl Chloride	2.17	62	229588	47.417	ug/l	99
5) Bromomethane	2.53	94	211222	51.824	ug/l	98
6) Chloroethane	2.67	64	208093	54.053	ug/l	98
7) Trichlorofluoromethane	2.98	101	357621	53.833	ug/l	97
8) Diethyl Ether	3.37	74	110790	47.823	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.72	101	163086	49.553	ug/l	98
10) Methyl Iodide	3.91	142	221226	49.286	ug/l	99
11) Tert butyl alcohol	4.73	59	136310	222.244	ug/l	98
12) 1,1-Dichloroethene	3.70	96	166149	49.544	ug/l	97
13) Acrolein	3.57	56	70031	296.761	ug/l	95
14) Allyl chloride	4.28	41	285109	47.870	ug/l	95
15) Acrylonitrile	4.93	53	438888	255.409	ug/l	98
16) Acetone	3.77	43	364121	256.351	ug/l	98
17) Carbon Disulfide	4.01	76	450174	45.100	ug/l	98
18) Methyl Acetate	4.28	43	185909	51.046	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	621842	49.985	ug/l	99
20) Methylene Chloride	4.50	84	204534	51.223	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	192713	52.014	ug/l	95
22) Diisopropyl ether	5.90	45	669626	50.171	ug/l	99
23) Vinyl Acetate	5.84	43	2507173	235.425	ug/l	100
24) 1,1-Dichloroethane	5.80	63	371349	50.470	ug/l	99
25) 2-Butanone	6.78	43	580075	263.749	ug/l	99
26) 2,2-Dichloropropane	6.78	77	261397	39.211	ug/l	97
27) cis-1,2-Dichloroethene	6.78	96	226569	50.311	ug/l	97
28) Bromochloromethane	7.15	49	182170	47.390	ug/l	98
29) Tetrahydrofuran	7.16	42	396365	260.638	ug/l	99
30) Chloroform	7.33	83	391356	50.839	ug/l	98
31) Cyclohexane	7.61	56	299948	46.124	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	345859	52.139	ug/l	100
36) 1,1-Dichloropropene	7.75	75	281975	49.233	ug/l	99
37) Ethyl Acetate	6.88	43	243387	45.042	ug/l #	96
38) Carbon Tetrachloride	7.74	117	281535	48.471	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	266620	41.437	ug/l	99
40) Benzene	8.00	78	848507	50.414	ug/l	100
41) Methacrylonitrile	7.12	41	113924	47.216	ug/l	91
42) 1,2-Dichloroethane	8.09	62	318662	50.686	ug/l	100
43) Isopropyl Acetate	8.13	43	447929	47.955	ug/l #	91
44) Trichloroethene	8.80	130	214081	52.440	ug/l	96
45) 1,2-Dichloropropane	9.08	63	221899	49.796	ug/l	97
46) Dibromomethane	9.17	93	153515	51.984	ug/l	98
47) Bromodichloromethane	9.37	83	317899	50.222	ug/l	100
48) Methyl methacrylate	9.17	41	211605	50.254	ug/l	94
49) 1,4-Dioxane	9.17	88	58831	903.320	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	1368529	269.623	ug/l	100
52) Toluene	10.13	92	535907	51.114	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	333235	48.128	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	348961	48.014	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	213180	53.093	ug/l	98
56) Ethyl methacrylate	10.40	69	309376	50.630	ug/l	99
57) 1,3-Dichloropropane	10.68	76	360632	50.417	ug/l	99
59) 2-Hexanone	10.72	43	993198	278.430	ug/l	99
60) Dibromochloromethane	10.87	129	231494	52.149	ug/l	99
61) 1,2-Dibromoethane	10.98	107	218779	52.415	ug/l	98
64) Tetrachloroethene	10.60	164	211176	53.167	ug/l	97
65) Chlorobenzene	11.41	112	566277	50.831	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	210612	50.919	ug/l	99
67) Ethyl Benzene	11.49	91	1056843	52.001	ug/l	98
68) m/p-Xylenes	11.59	106	779494	103.558	ug/l	98
69) o-Xylene	11.92	106	371214	51.050	ug/l	97
70) Stvrene	11.94	104	647144	51.785	ug/l	99
71) Bromoform	12.10	173	142309	50.698	ug/l #	99
73) Isopropylbenzene	12.23	105	998110	50.834	ug/l	98
74) N-amyl acetate	12.05	43	382850	47.074	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	289901	51.212	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	387018	76.945	ug/l #	100
77) Bromobenzene	12.50	156	228054	51.357	ug/l	97
78) n-propylbenzene	12.57	91	1153942	50.788	ug/l	98
79) 2-Chlorotoluene	12.65	91	689607	50.675	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	820336	50.194	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.28	75	91340	43.892	ug/l	95
82) 4-Chlorotoluene	12.75	91	718483	50.907	ug/l	99
83) tert-Butylbenzene	12.97	119	673560	48.055	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	837231	50.823	ug/l	97
85) sec-Butylbenzene	13.15	105	866468	47.433	ug/l	99
86) p-Isopropyltoluene	13.26	119	770158	47.488	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	417239	51.147	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	427854	50.653	ug/l	99
89) n-Butylbenzene	13.59	91	669787	44.704	ug/l	99
90) Hexachloroethane	13.85	117	135894	45.265	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	427692	54.027	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	61653	49.539	ug/l	99
93) 1,2,4-Trichlorobenzene	14.88	180	209194	47.300	ug/l	98

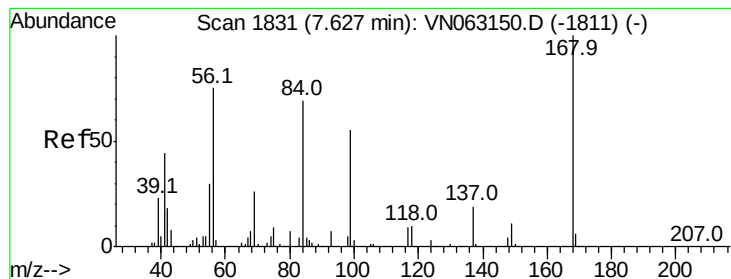
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.98	225	68536	41.482	ug/l	97
95) Naphthalene	15.11	128	729954	49.470	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	202947	47.100	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

Instrument :

MSVOA_N

ClientSampleId :

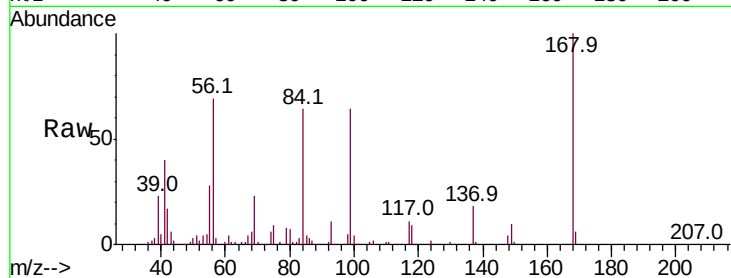
SA-MW131I-20200901MSD

Tot Ion:168 Resp: 305659

Ion Ratio Lower Upper

168 100

99 63.1 54.2 81.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

150000

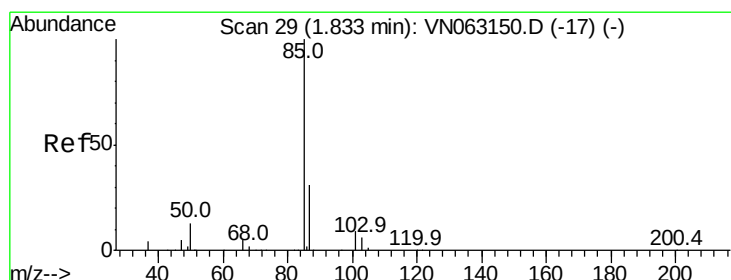
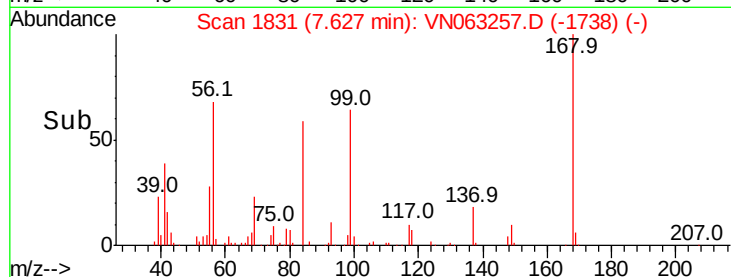
100000

50000

0

7.55 7.60 7.65 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 46.578 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063257.D

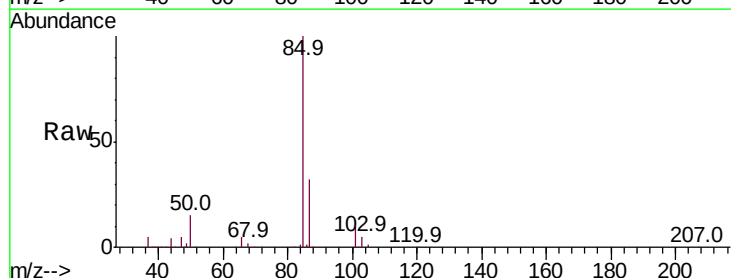
Acq: 4 Sep 2020 19:00

Tgt Ion: 85 Resp: 140211

Ion Ratio Lower Upper

85 100

87 32.0 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

120000

100000

80000

60000

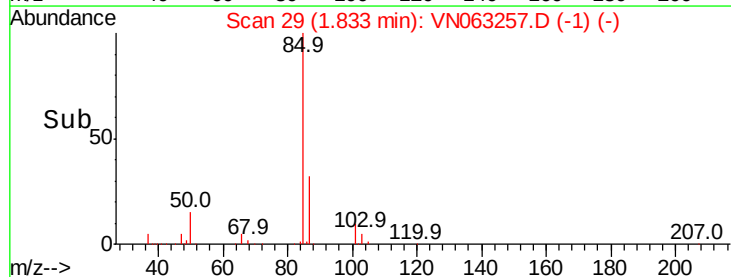
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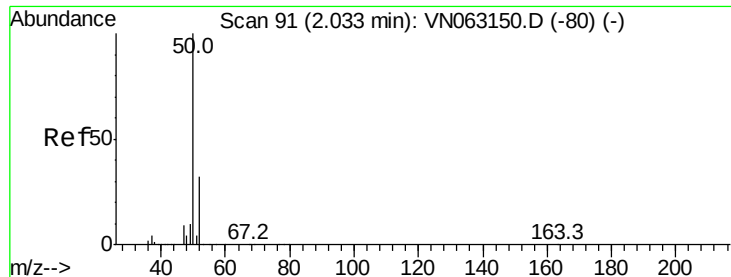
20000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 46.826 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

Instrument :

MSVOA_N

ClientSampleId :

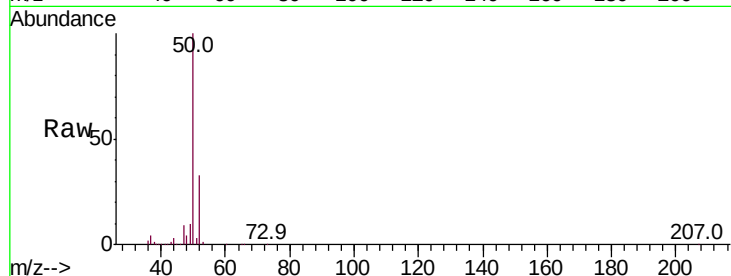
SA-MW131I-20200901MSD

Tot Ion: 50 Resp: 205253

Ion Ratio Lower Upper

50 100

52 32.5 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

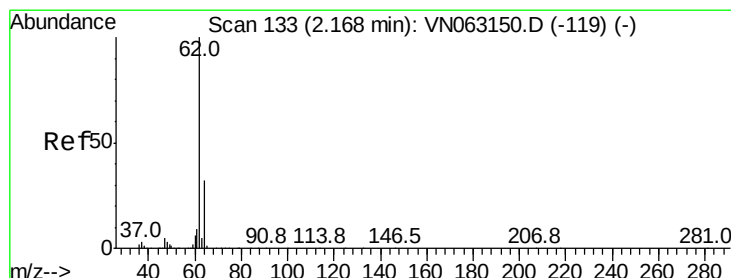
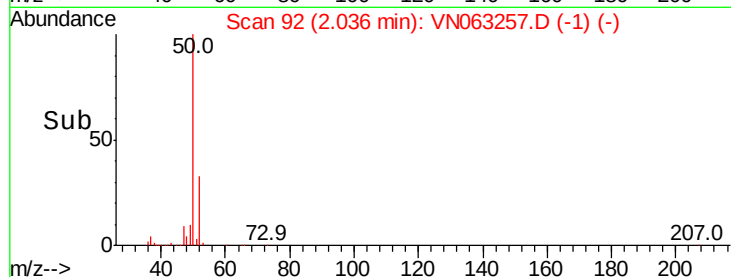
150000

100000

50000

0

Time--> 1.95 2.00 2.05 2.10



#4

Vinyl Chloride

Concen: 47.417 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN063257.D

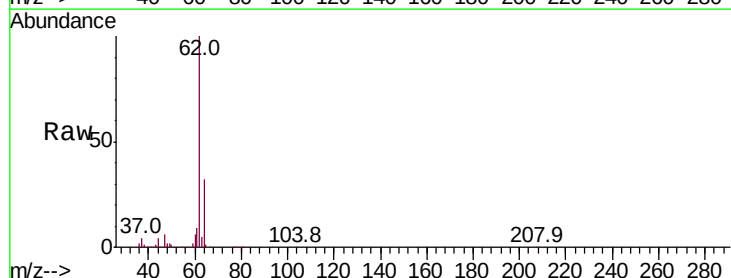
Acq: 4 Sep 2020 19:00

Tgt Ion: 62 Resp: 229588

Ion Ratio Lower Upper

62 100

64 31.8 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.17

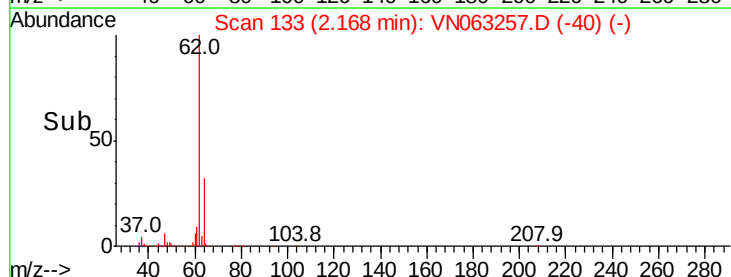
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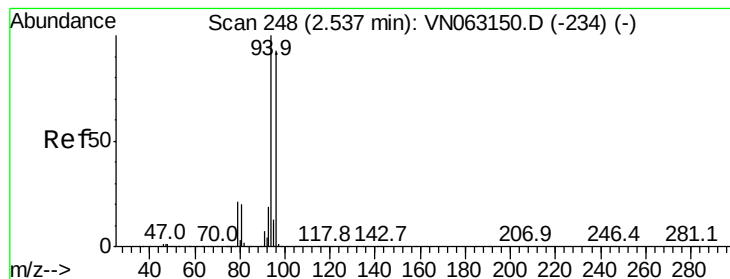
100000

50000

0

Time--> 2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: 51.824 ug/l

RT: 2.53 min Scan# 245

Delta R.T. -0.01 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

Instrument :

MSVOA_N

ClientSampleId :

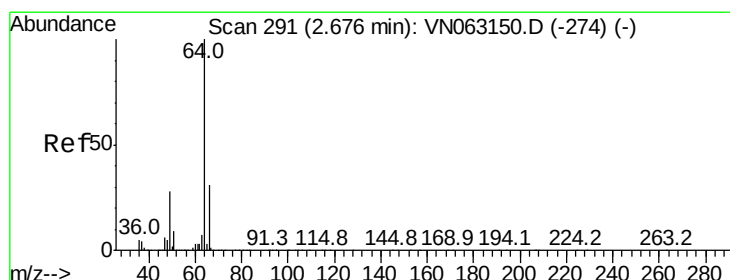
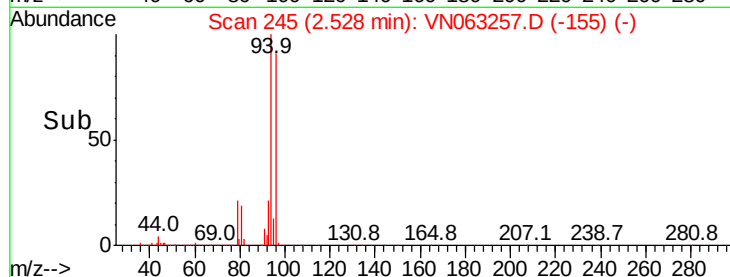
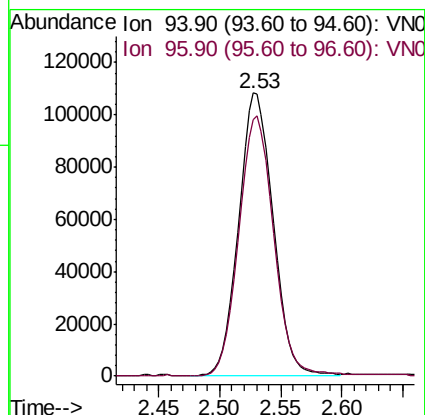
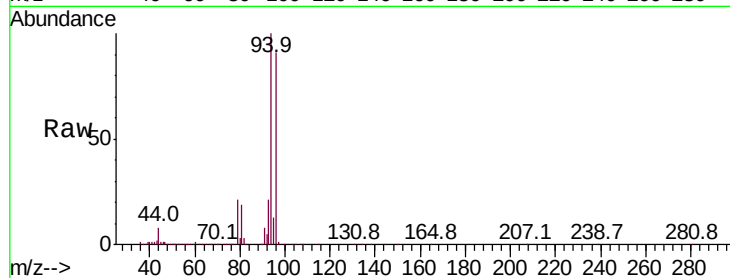
SA-MW131I-20200901MSD

Tot Ion: 94 Resp: 211222

Ion Ratio Lower Upper

94 100

96 90.6 74.4 111.6



#6

Chloroethane

Concen: 54.053 ug/l

RT: 2.67 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN063257.D

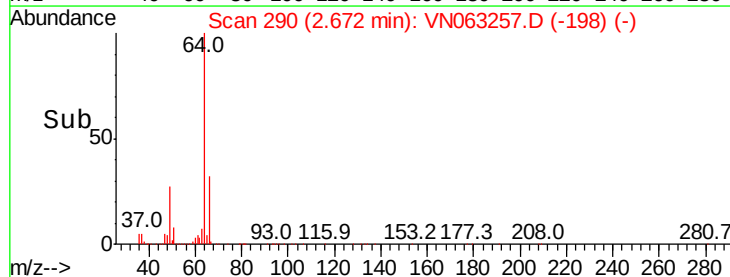
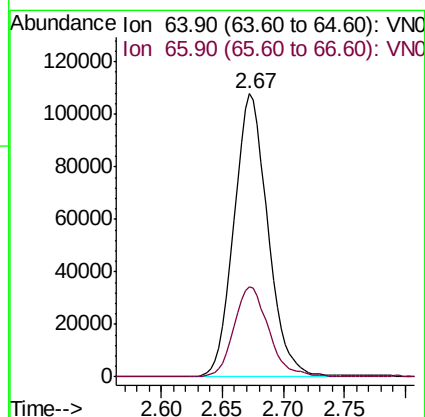
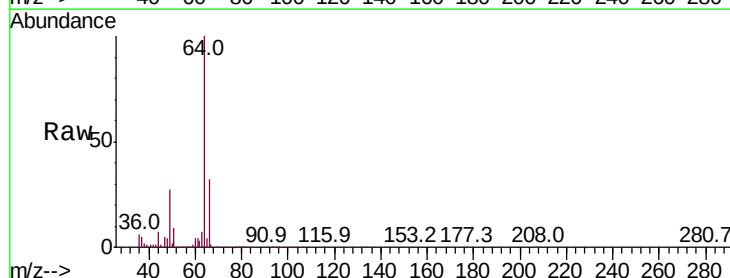
Acq: 4 Sep 2020 19:00

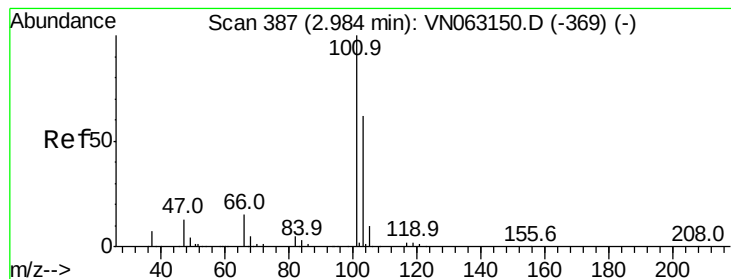
Tgt Ion: 64 Resp: 208093

Ion Ratio Lower Upper

64 100

66 32.0 24.7 37.1



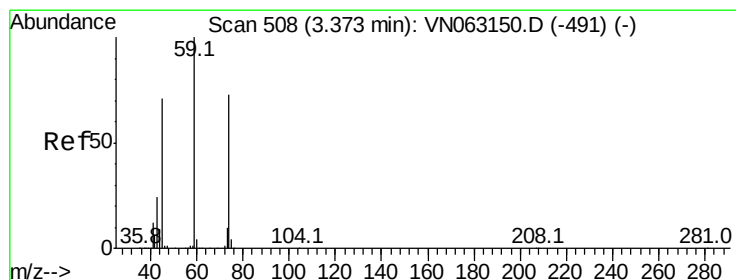
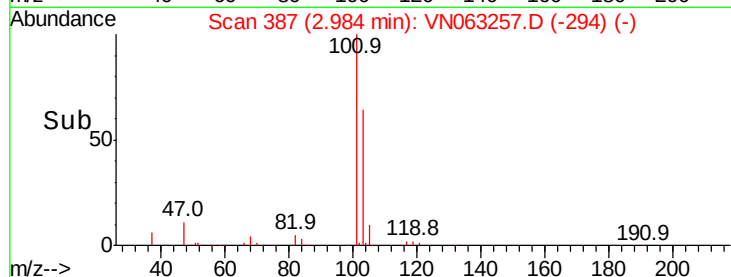
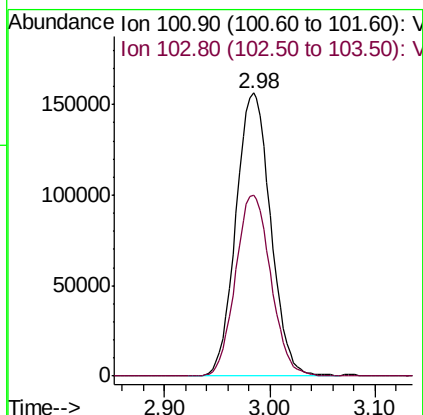
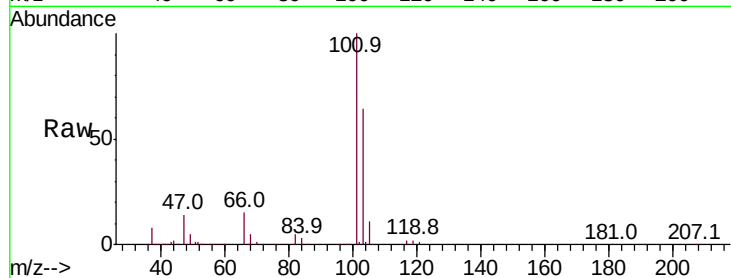


#7

Trichlorofluoromethane
 Concen: 53.833 ug/l
 RT: 2.98 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN063257.D
 Acq: 4 Sep 2020 19:00

Instrument :
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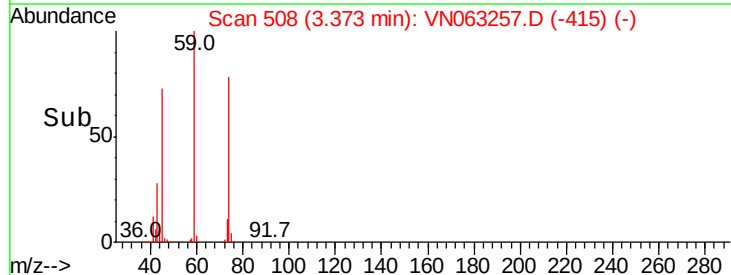
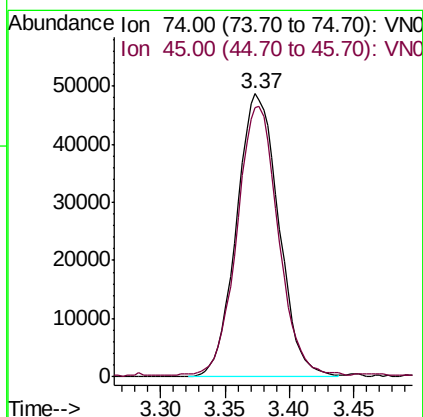
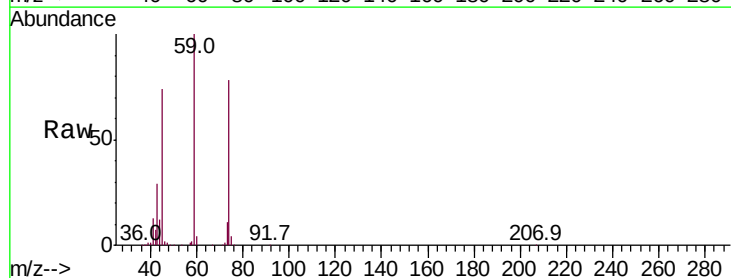
Tot Ion:101 Resp: 357621
 Ion Ratio Lower Upper
 101 100
 103 64.1 49.7 74.5

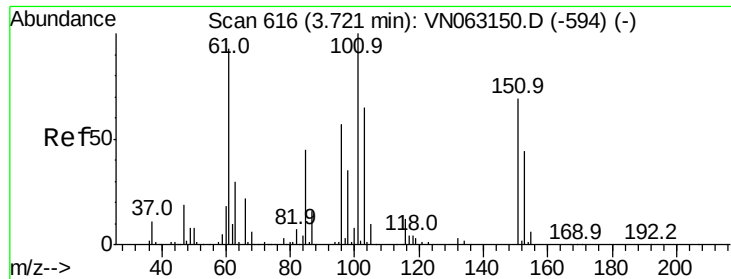


#8

Diethyl Ether
 Concen: 47.823 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VN063257.D
 Acq: 4 Sep 2020 19:00

Tgt Ion: 74 Resp: 110790
 Ion Ratio Lower Upper
 74 100
 45 93.3 49.5 148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.553 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

Instrument :

MSVOA_N

ClientSampleId :

SA-MW131I-20200901MSD

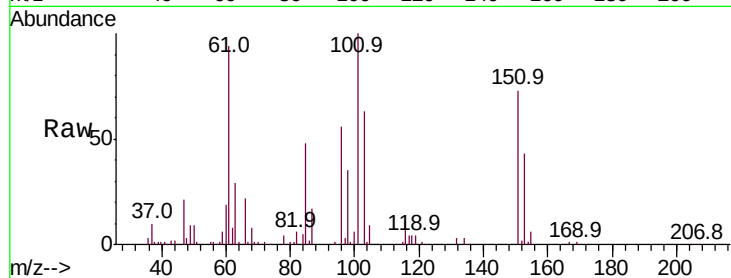
Tot Ion:101 Resp: 163086

Ion Ratio Lower Upper

101 100

85 47.7 37.8 56.8

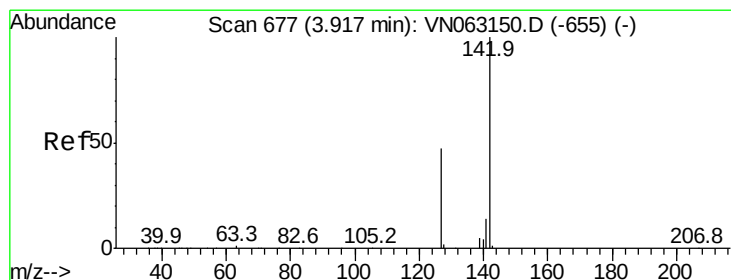
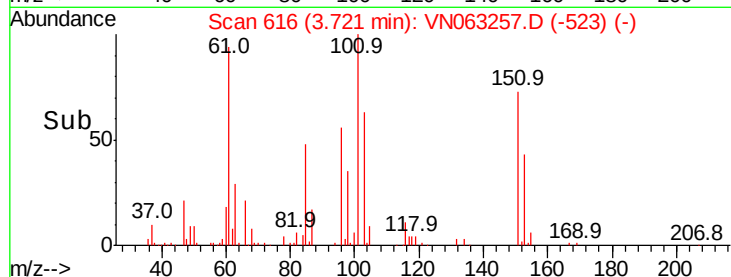
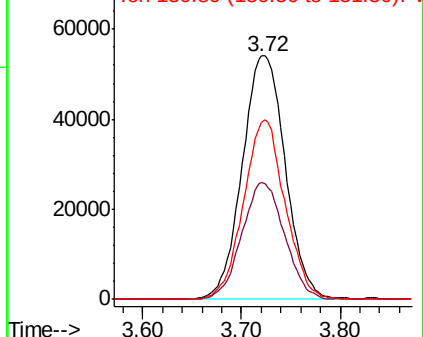
151 70.9 55.0 82.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.286 ug/l

RT: 3.91 min Scan# 675

Delta R.T. -0.01 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

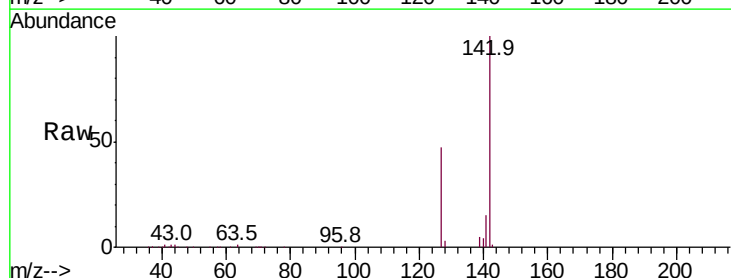
Tgt Ion:142 Resp: 221226

Ion Ratio Lower Upper

142 100

127 46.2 37.6 56.4

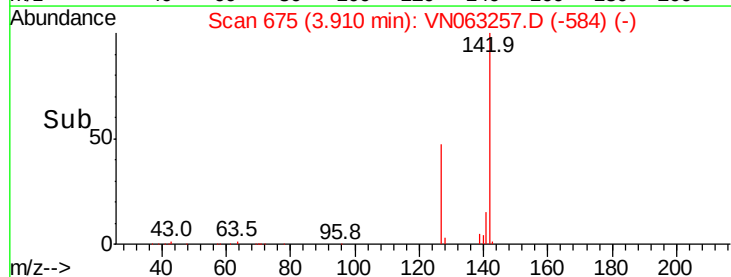
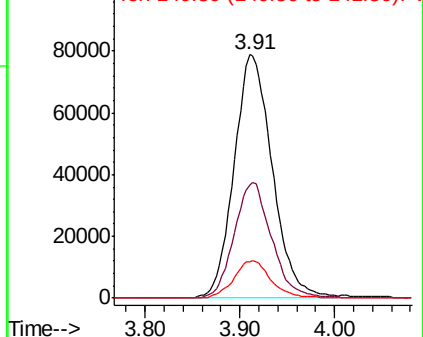
141 14.8 11.3 16.9

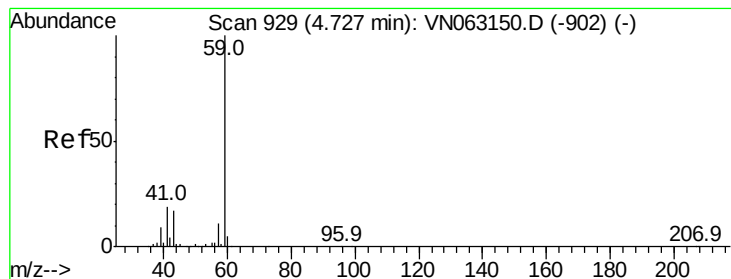


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



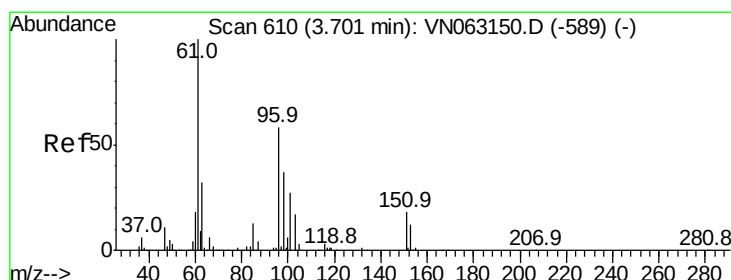
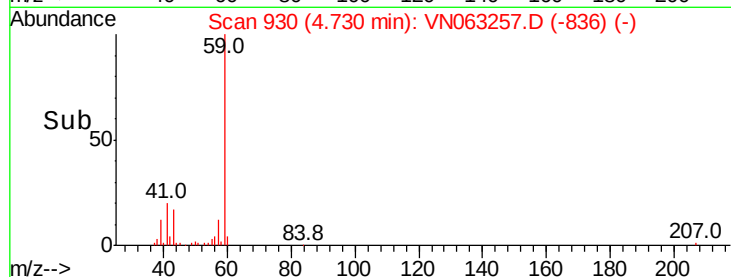
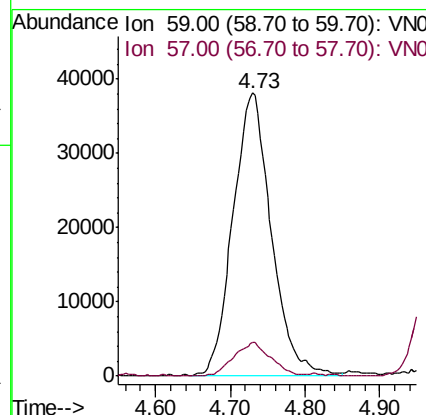
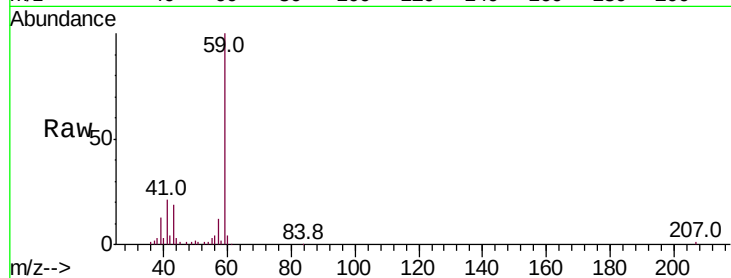


#11

Tert butyl alcohol
 Concen: 222.244 ug/l
 RT: 4.73 min Scan# 930
 Delta R.T. 0.00 min
 Lab File: VN063257.D
 Acq: 4 Sep 2020 19:00

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-MW131I-20200901MSD

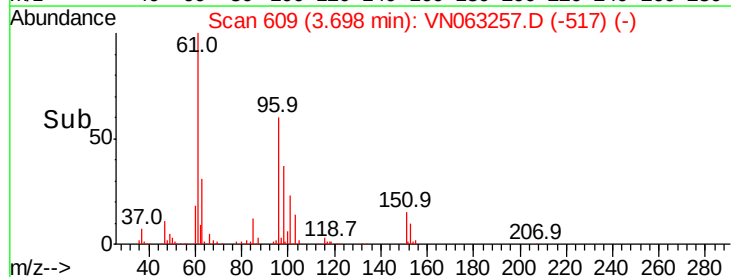
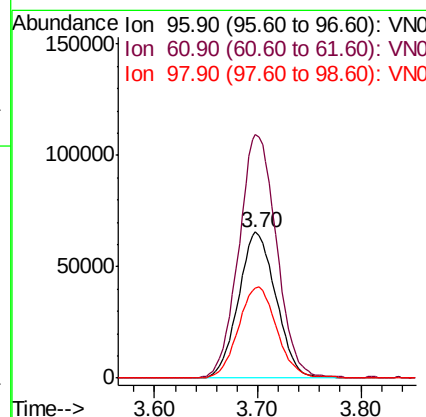
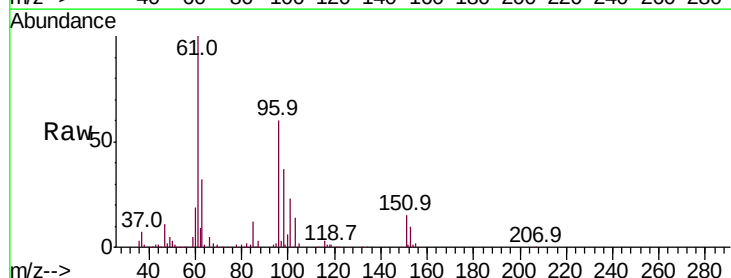
Tot Ion: 59 Resp: 136310
 Ion Ratio Lower Upper
 59 100
 57 11.4 8.4 12.6

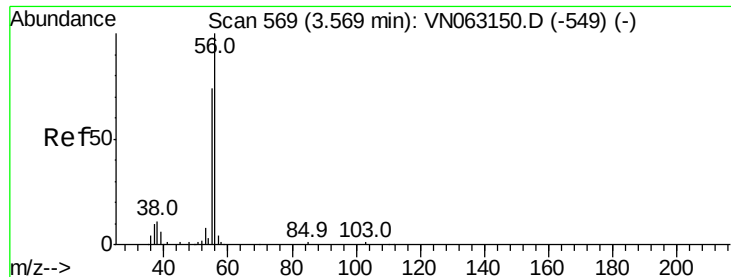


#12

1,1-Dichloroethene
 Concen: 49.544 ug/l
 RT: 3.70 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN063257.D
 Acq: 4 Sep 2020 19:00

Tgt Ion: 96 Resp: 166149
 Ion Ratio Lower Upper
 96 100
 61 167.1 137.4 206.2
 98 62.0 50.5 75.7





#13

Acrolein

Concen: 296.761 ug/l

RT: 3.57 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

Instrument :

MSVOA_N

ClientSampleId :

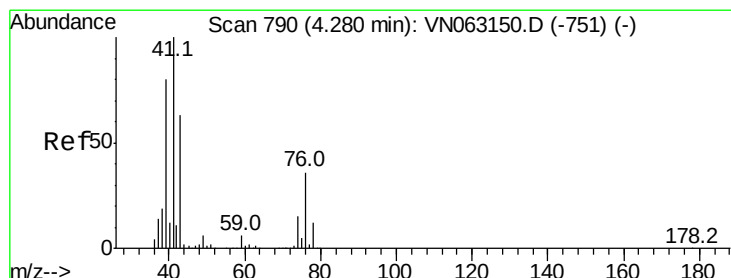
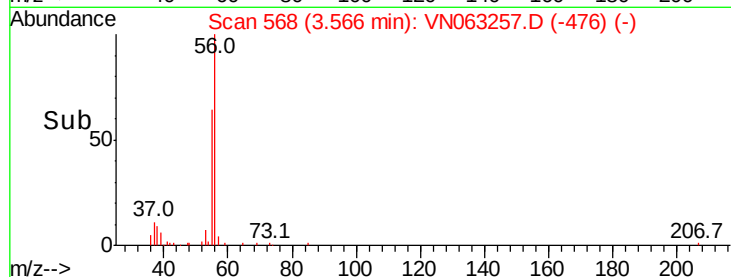
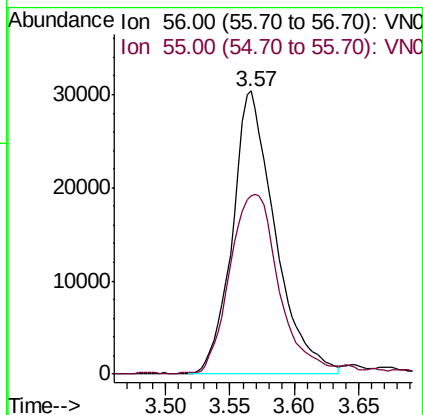
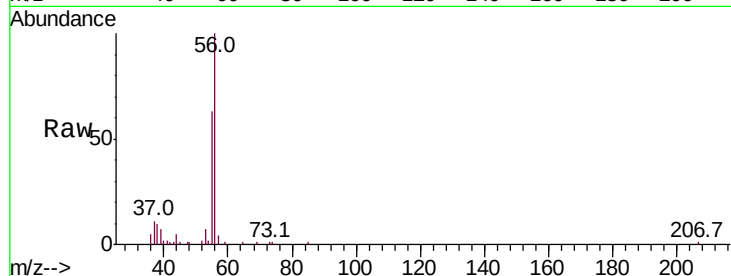
SA-MW131I-20200901MSD

Tot Ion: 56 Resp: 70031

Ion Ratio Lower Upper

56 100

55 73.1 55.4 83.0



#14

Allyl chloride

Concen: 47.870 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

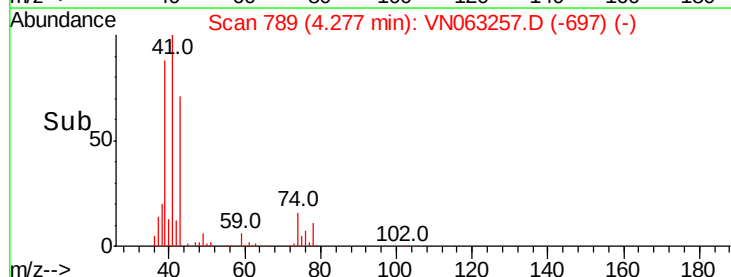
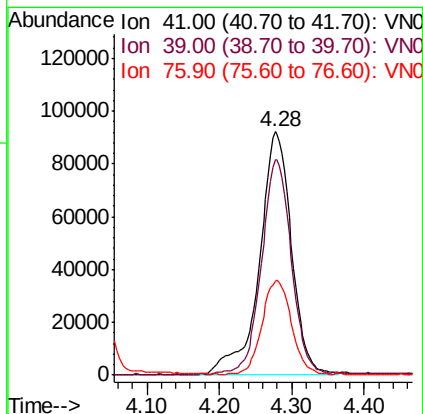
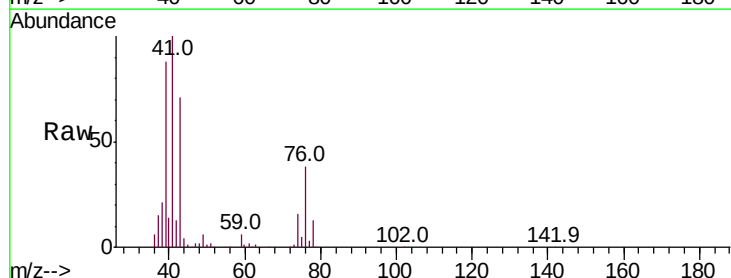
Tgt Ion: 41 Resp: 285109

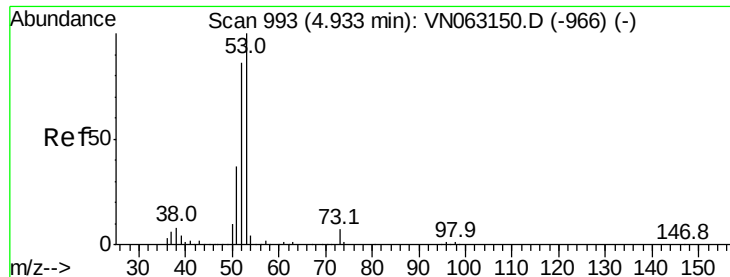
Ion Ratio Lower Upper

41 100

39 81.7 60.2 90.2

76 34.8 27.7 41.5





#15

Acrylonitrile

Concen: 255.409 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

Instrument :

MSVOA_N

ClientSampleId :

SA-MW131I-20200901MSD

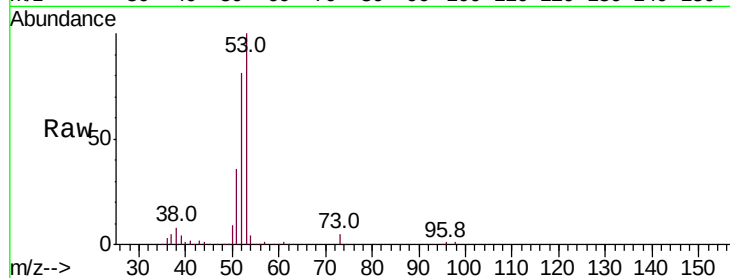
Tot Ion: 53 Resp: 438888

Ion Ratio Lower Upper

53 100

52 81.8 67.2 100.8

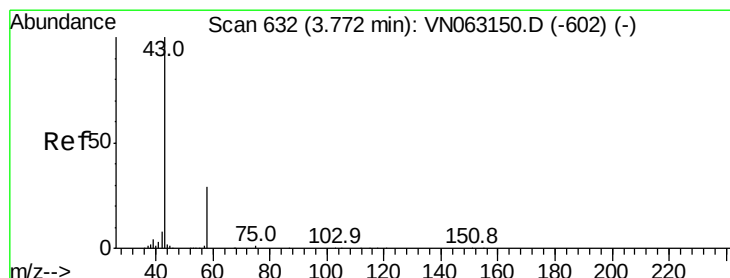
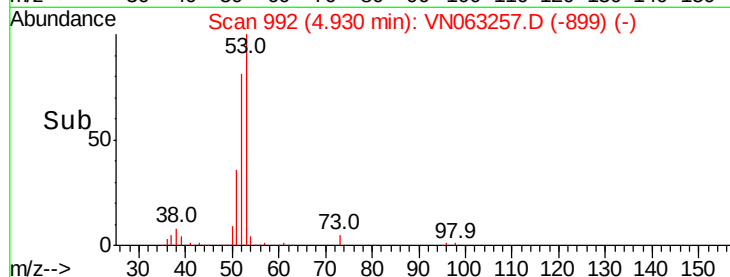
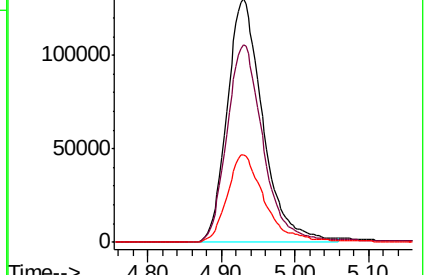
51 37.1 30.2 45.4



Abundance Ion 53.00 (52.70 to 53.70): VN063150.D (-966) (-)

Ion 52.00 (51.70 to 52.70): VN063150.D (-966) (-)

Ion 51.00 (50.70 to 51.70): VN063150.D (-966) (-)



#16

Acetone

Concen: 256.351 ug/l

RT: 3.77 min Scan# 632

Delta R.T. 0.00 min

Lab File: VN063257.D

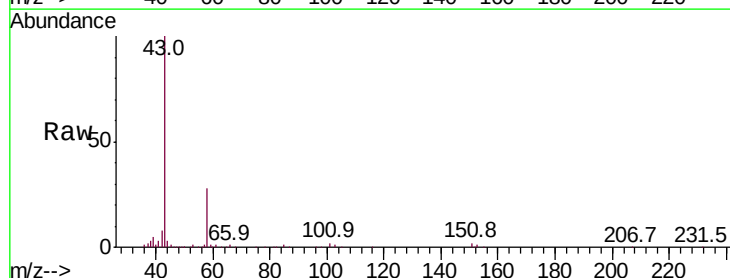
Acq: 4 Sep 2020 19:00

Tgt Ion: 43 Resp: 364121

Ion Ratio Lower Upper

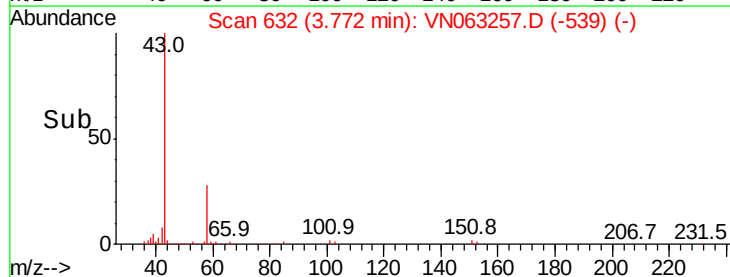
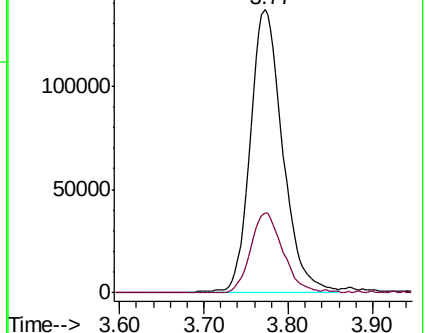
43 100

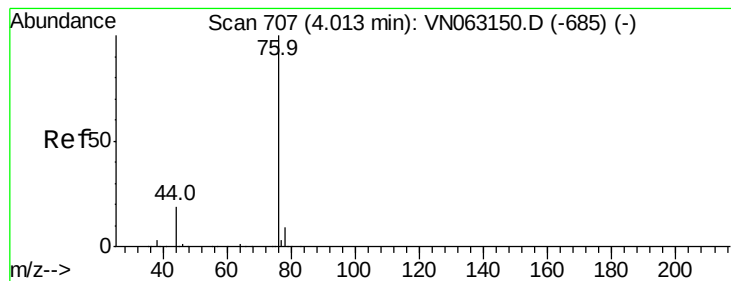
58 28.1 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VN063150.D (-602) (-)

Ion 58.00 (57.70 to 58.70): VN063150.D (-602) (-)





#17

Carbon Disulfide

Concen: 45.100 ug/l

RT: 4.01 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

Instrument :

MSVOA_N

ClientSampleId :

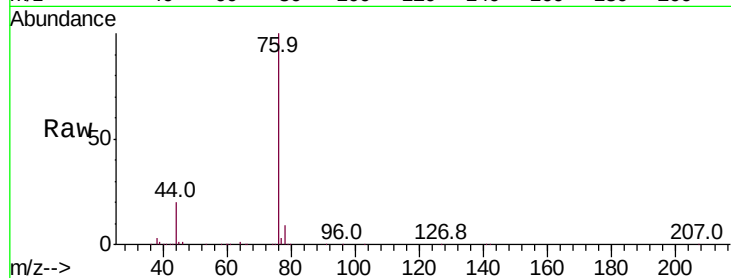
SA-MW131I-20200901MSD

Tot Ion: 76 Resp: 450174

Ion Ratio Lower Upper

76 100

78 8.5 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VN063150.D (-685) (-)

Ion 77.90 (77.60 to 78.60): VN063150.D (-685) (-)

4.01

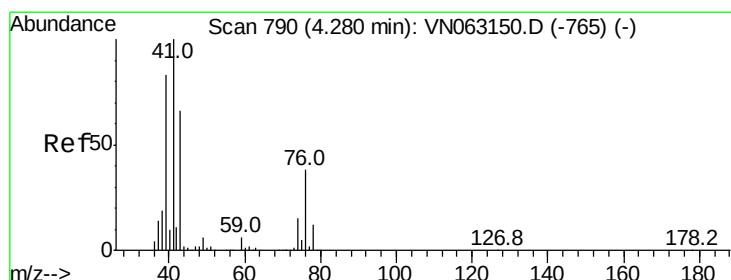
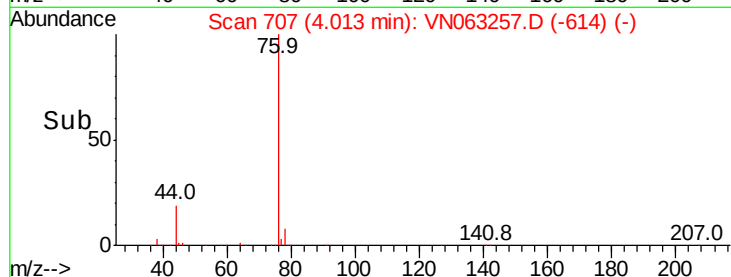
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 51.046 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN063257.D

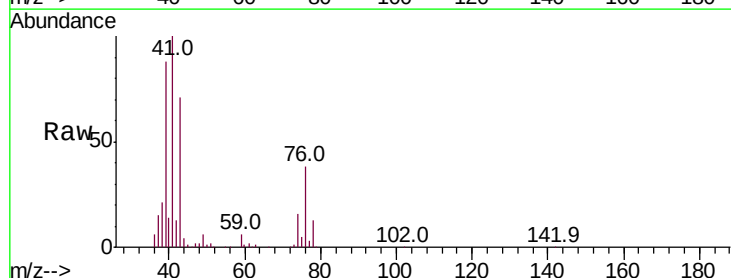
Acq: 4 Sep 2020 19:00

Tgt Ion: 43 Resp: 185909

Ion Ratio Lower Upper

43 100

74 23.2 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VN063150.D (-765) (-)

Ion 74.00 (73.70 to 74.70): VN063150.D (-765) (-)

4.28

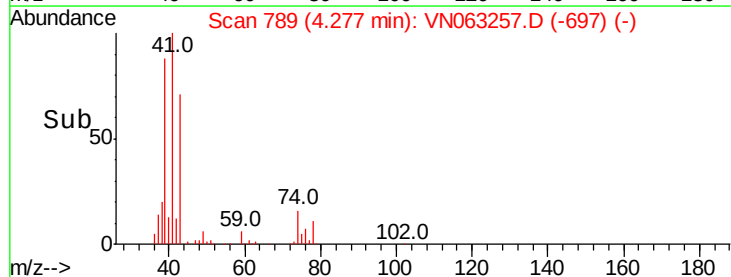
60000

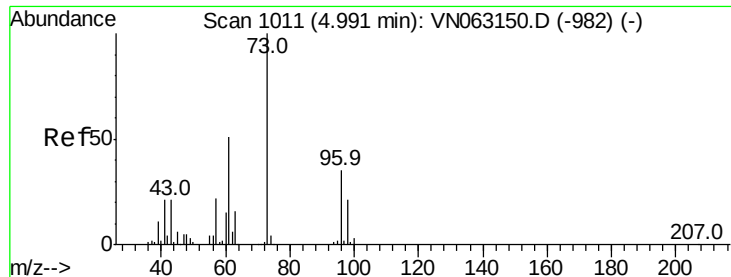
40000

20000

0

Time-->

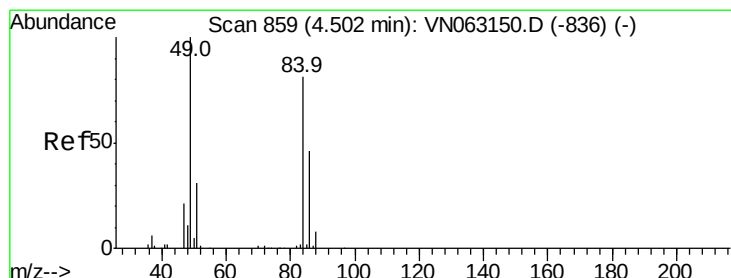
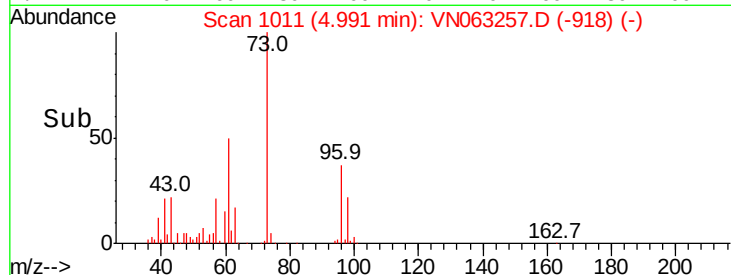
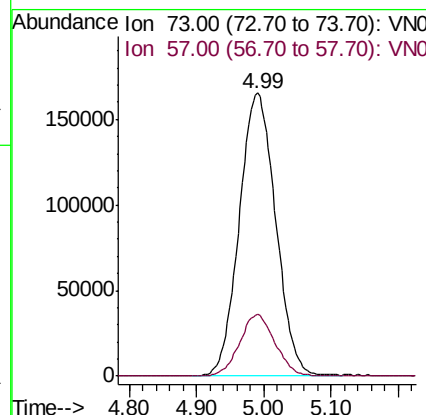
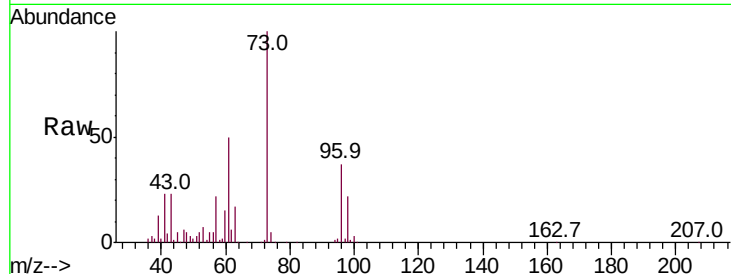




#19
Methvl tert-butvl Ether
Concen: 49.985 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063257.D
Acq: 4 Sep 2020 19:00

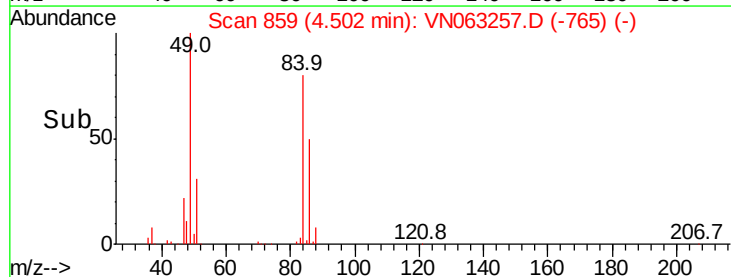
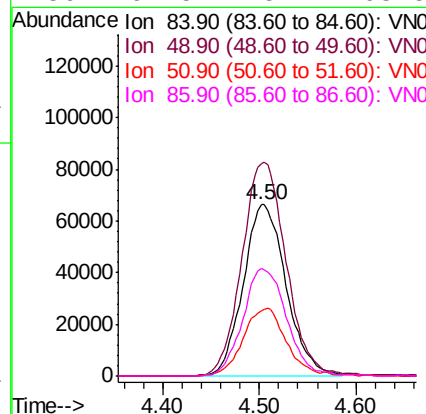
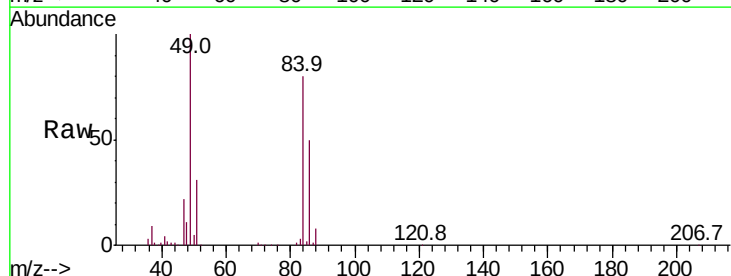
Instrument :
MSVOA_N
ClientSampleId :
SA-MW131I-20200901MSD

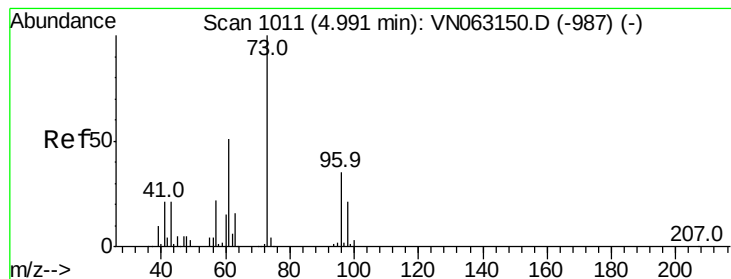
Tot Ion: 73 Resp: 621842
Ion Ratio Lower Upper
73 100
57 21.8 17.6 26.4



#20
Methylene Chloride
Concen: 51.223 ug/l
RT: 4.50 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN063257.D
Acq: 4 Sep 2020 19:00

Tgt Ion: 84 Resp: 204534
Ion Ratio Lower Upper
84 100
49 124.2 98.4 147.6
51 37.8 30.4 45.6
86 62.5 45.7 68.5





#21

trans-1,2-Dichloroethene

Concen: 52.014 ug/l

RT: 4.99 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

Instrument :

MSVOA_N

ClientSampleId :

SA-MW131I-20200901MSD

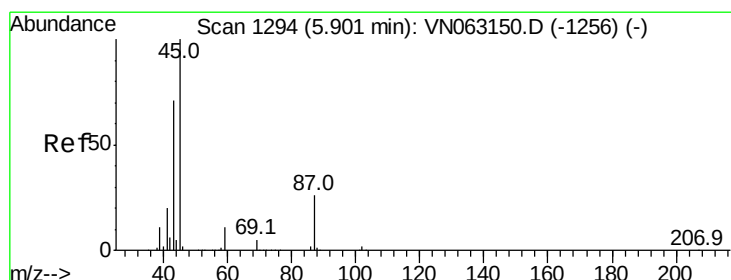
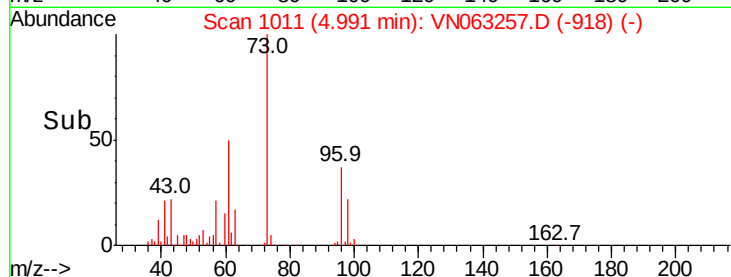
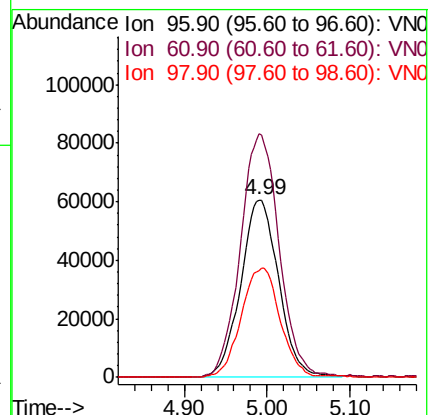
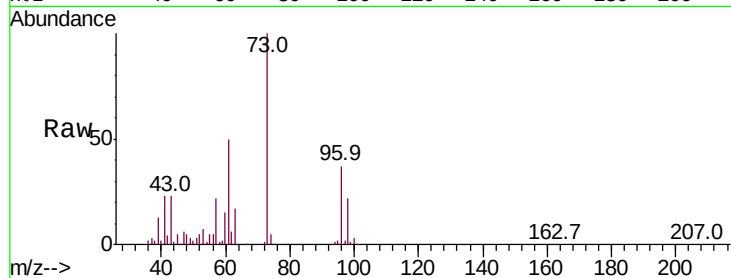
Tot Ion: 96 Resp: 192713

Ion Ratio Lower Upper

96 100

61 137.2 116.2 174.4

98 59.8 48.0 72.0



#22

Diisopropyl ether

Concen: 50.171 ug/l

RT: 5.90 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

Tgt Ion: 45 Resp: 669626

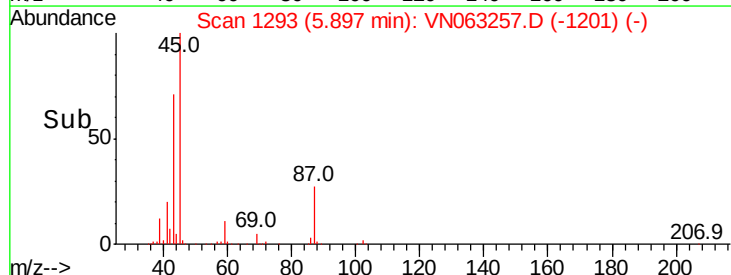
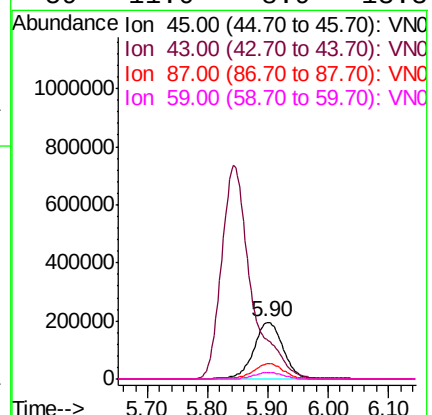
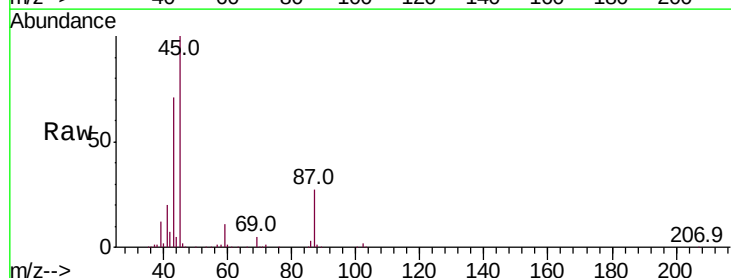
Ion Ratio Lower Upper

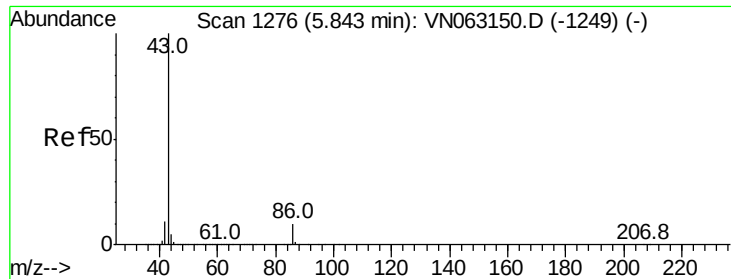
45 100

43 70.4 56.8 85.2

87 26.8 21.1 31.7

59 11.0 8.9 13.3





#23

Vinyl Acetate

Concen: 235.425 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

Instrument :

MSVOA_N

ClientSampleId :

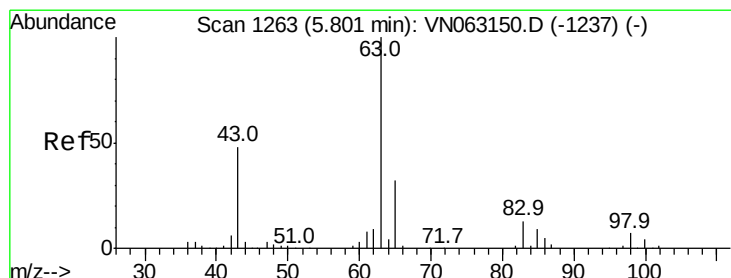
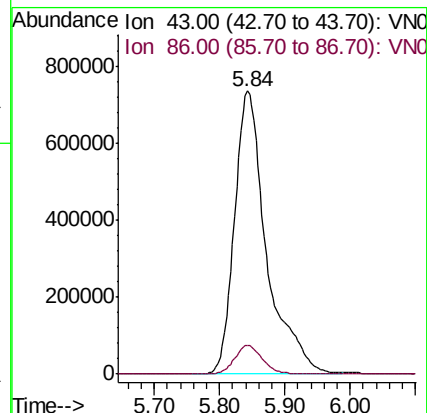
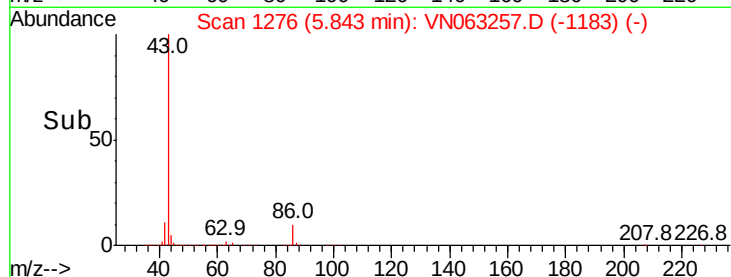
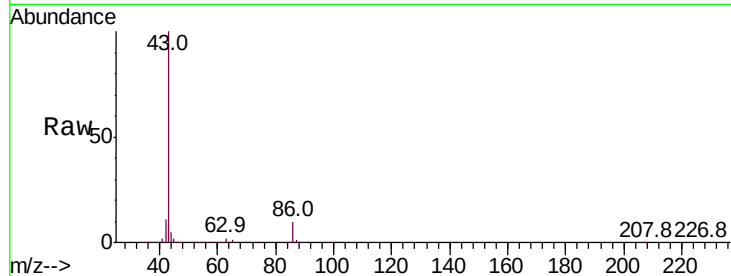
SA-MW131I-20200901MSD

Tot Ion: 43 Resp: 2507173

Ion Ratio Lower Upper

43 100

86 10.2 8.3 12.5



#24

1,1-Dichloroethane

Concen: 50.470 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

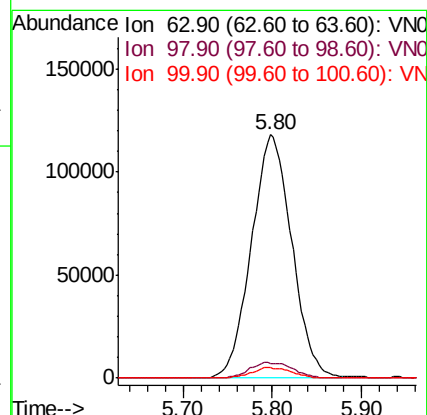
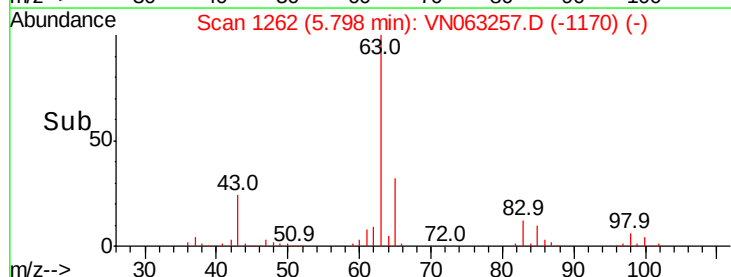
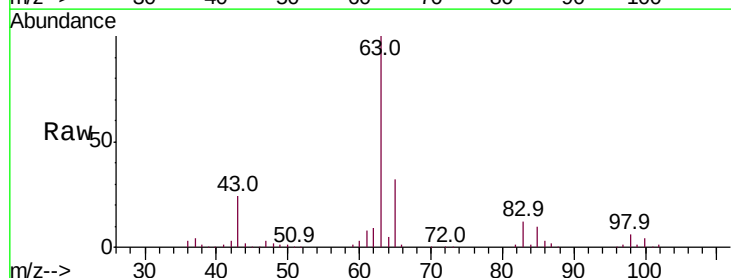
Tgt Ion: 63 Resp: 371349

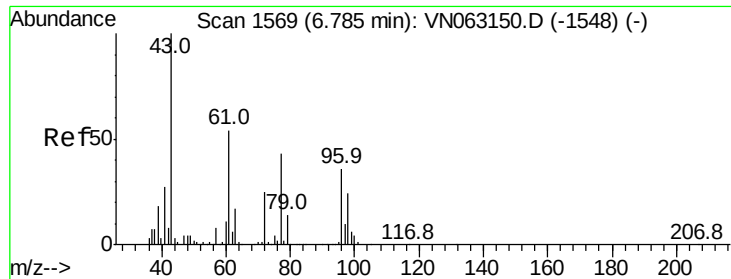
Ion Ratio Lower Upper

63 100

98 6.1 3.4 10.1

100 4.1 2.3 6.8

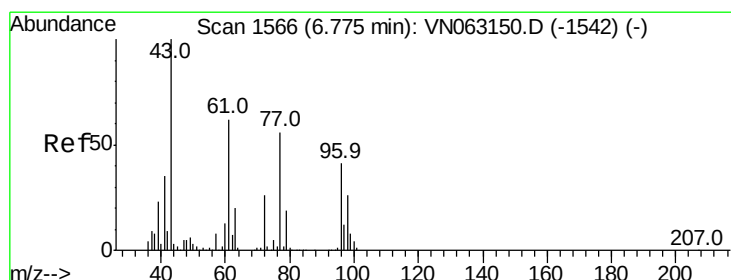
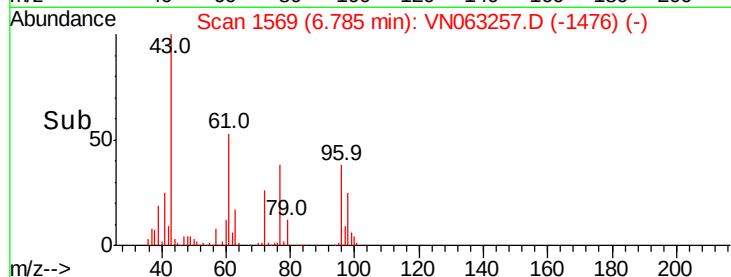
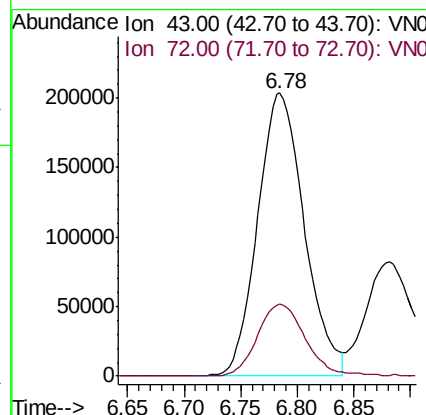
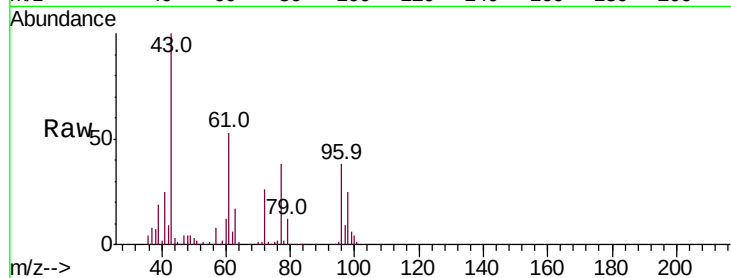




#25
 2-Butanone
 Concen: 263.749 ug/l
 RT: 6.78 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VN063257.D
 Acq: 4 Sep 2020 19:00

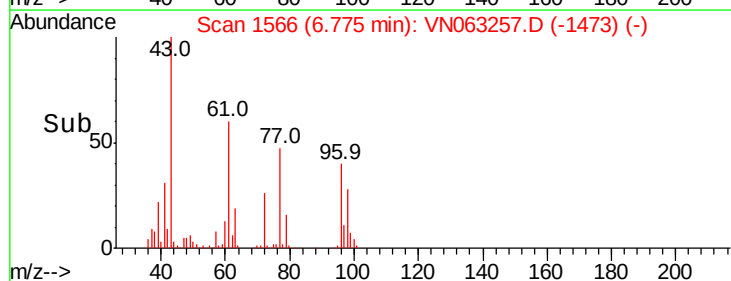
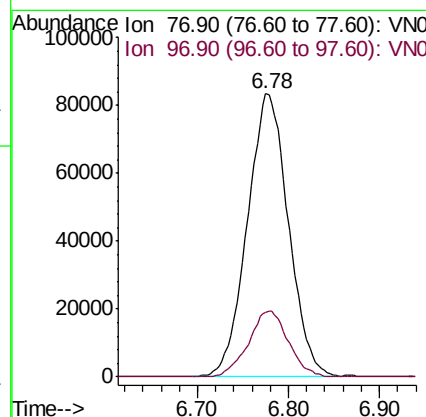
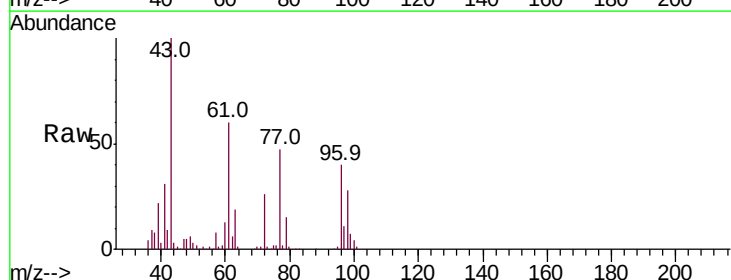
Instrument :
 MSVOA_N
 ClientSampleId :
 SA-MW131I-20200901MSD

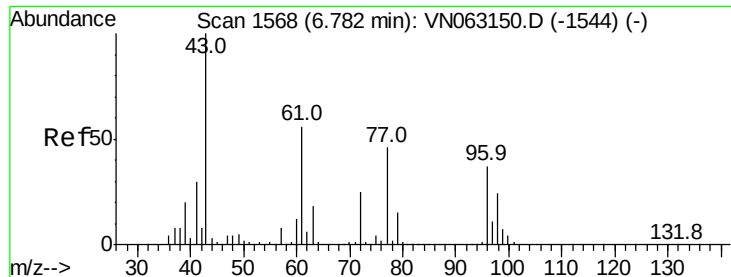
Tot Ion: 43 Resp: 580075
 Ion Ratio Lower Upper
 43 100
 72 25.6 20.2 30.4



#26
 2,2-Dichloropropane
 Concen: 39.211 ug/l
 RT: 6.78 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN063257.D
 Acq: 4 Sep 2020 19:00

Tgt Ion: 77 Resp: 261397
 Ion Ratio Lower Upper
 77 100
 97 22.7 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 50.311 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

Instrument :

MSVOA_N

ClientSampleId :

SA-MW131I-20200901MSD

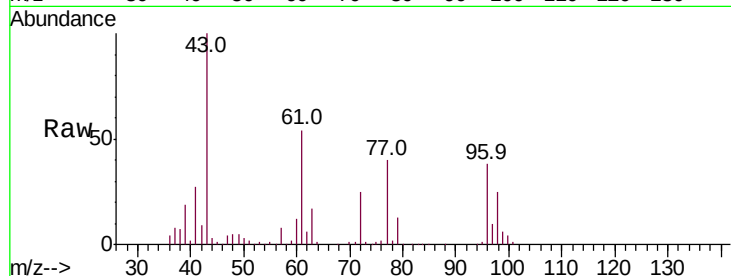
Tot Ion: 96 Resp: 226569

Ion Ratio Lower Upper

96 100

61 146.7 0.0 303.2

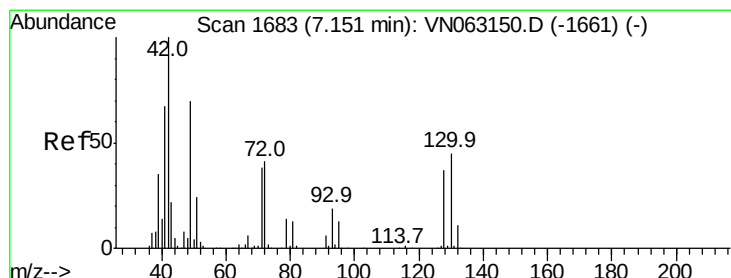
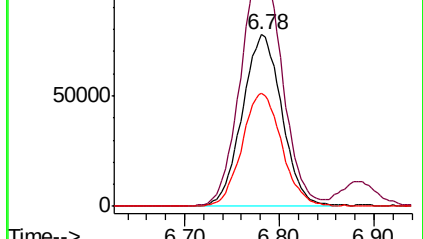
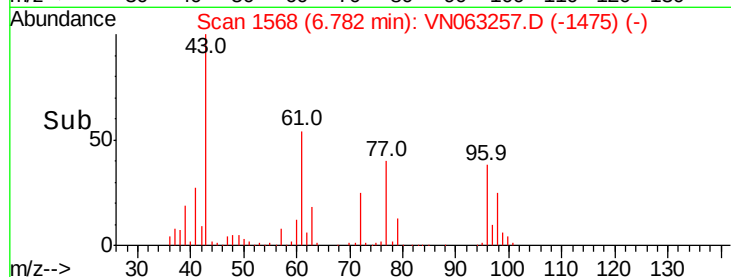
98 66.1 0.0 129.0



Abundance Ion 95.90 (95.60 to 96.60): VN063150.D (-1544) (-)

Ion 60.90 (60.60 to 61.60): VN063150.D (-1544) (-)

Ion 97.90 (97.60 to 98.60): VN063150.D (-1544) (-)



#28

Bromochloromethane

Concen: 47.390 ug/l

RT: 7.15 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

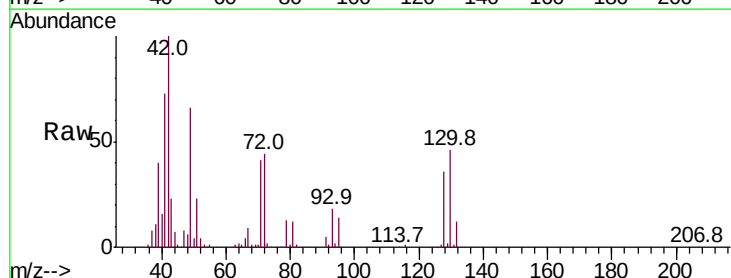
Tgt Ion: 49 Resp: 182170

Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.0

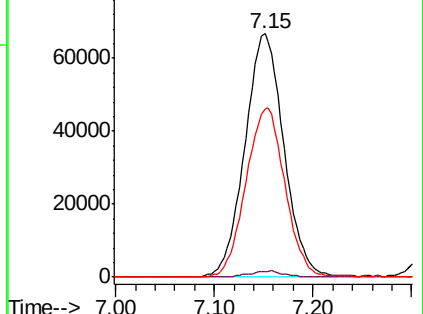
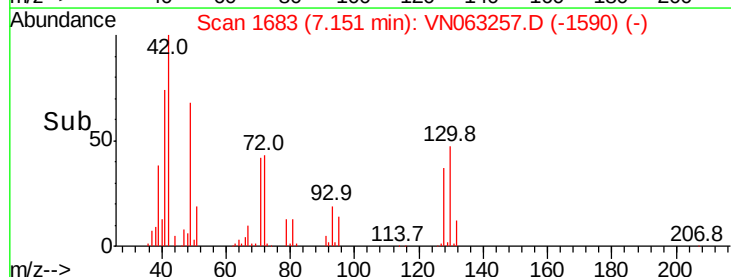
130 69.3 54.4 81.6

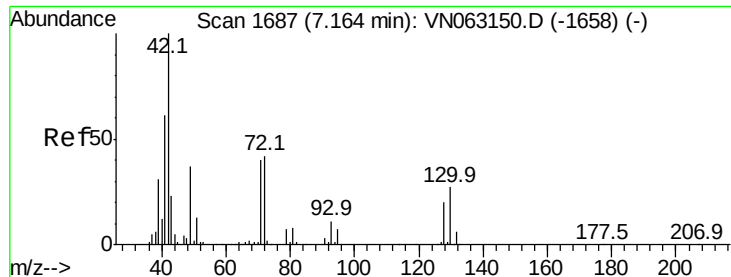


Abundance Ion 48.90 (48.60 to 49.60): VN063150.D (-1661) (-)

Ion 128.80 (128.50 to 129.50): VN063150.D (-1661) (-)

Ion 129.80 (129.50 to 130.50): VN063150.D (-1661) (-)





#29

Tetrahydrofuran

Concen: 260.638 ug/l

RT: 7.16 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

Instrument :

MSVOA_N

ClientSampleId :

SA-MW131I-20200901MSD

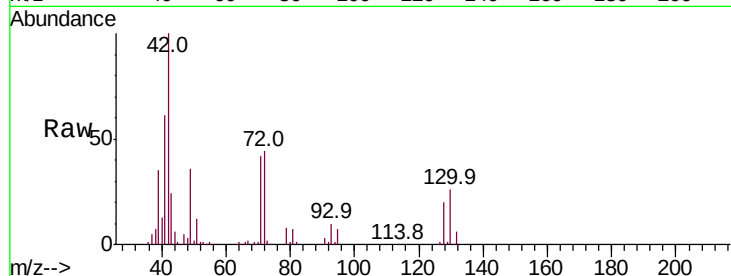
Tot Ion: 42 Resp: 396365

Ion Ratio Lower Upper

42 100

72 43.0 33.9 50.9

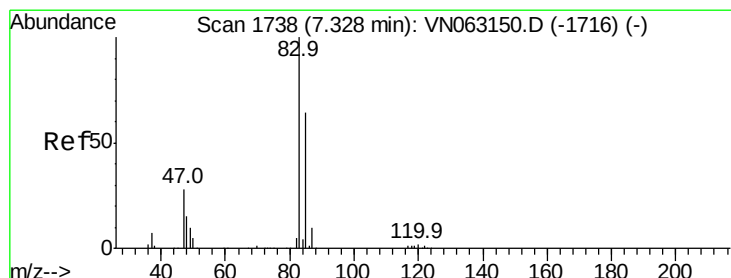
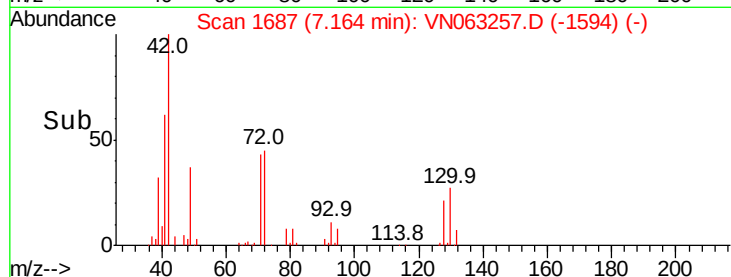
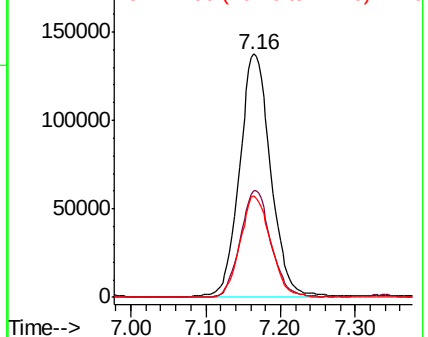
71 40.9 31.9 47.9



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 50.839 ug/l

RT: 7.33 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VN063257.D

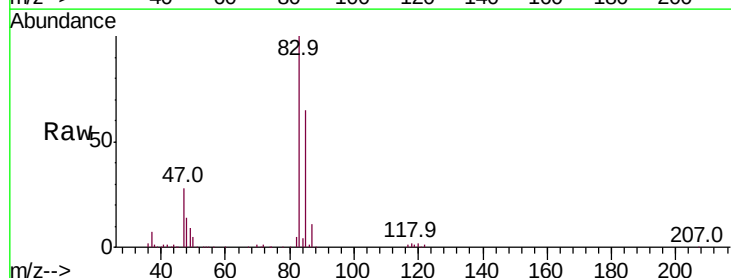
Acq: 4 Sep 2020 19:00

Tgt Ion: 83 Resp: 391356

Ion Ratio Lower Upper

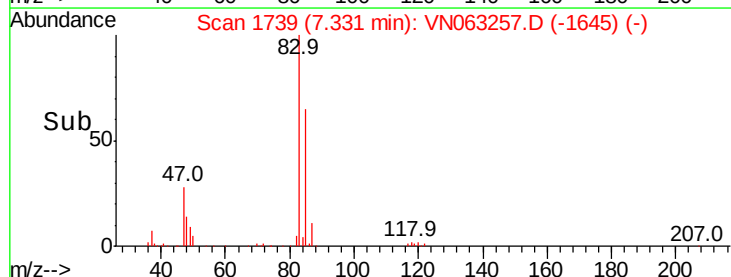
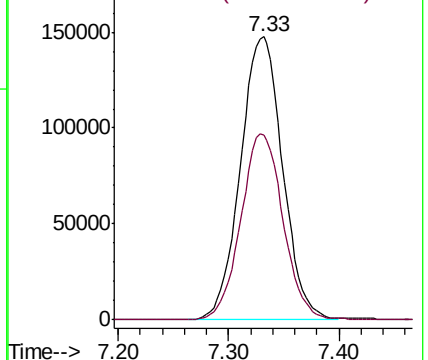
83 100

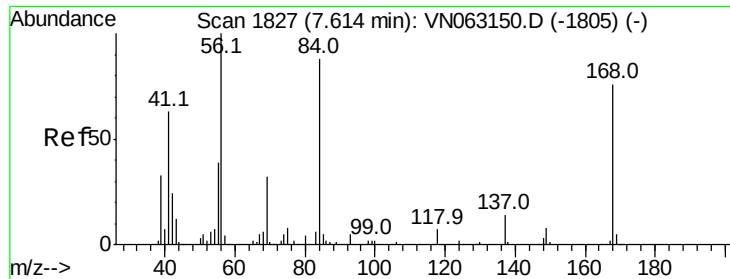
85 65.2 51.0 76.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

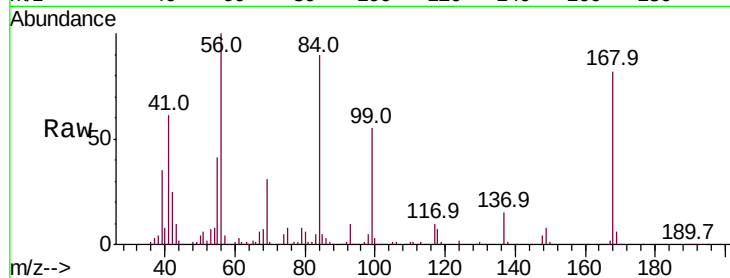




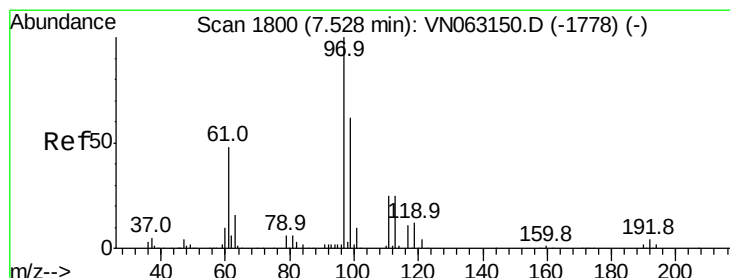
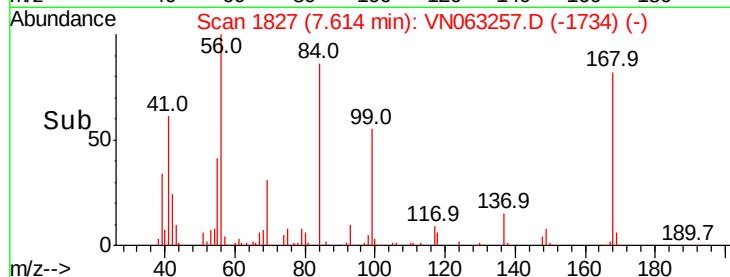
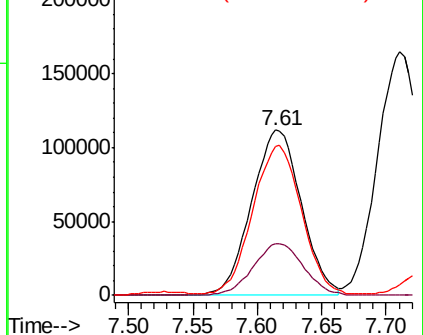
#31
Cyclohexane
Concen: 46.124 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN063257.D
Acq: 4 Sep 2020 19:00

Instrument :
MSVOA_N
ClientSampleId :
SA-MW131I-20200901MSD

Tot Ion: 56 Resp: 299948
Ion Ratio Lower Upper
56 100
69 31.1 25.4 38.0
84 89.1 70.2 105.4

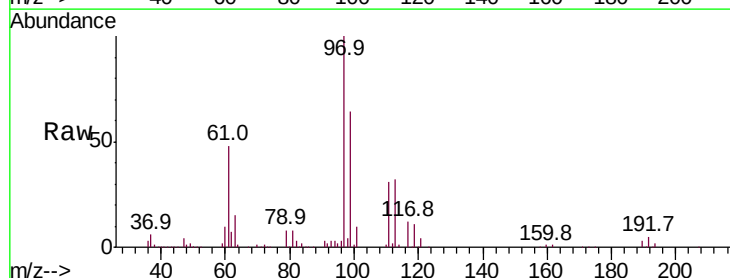


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

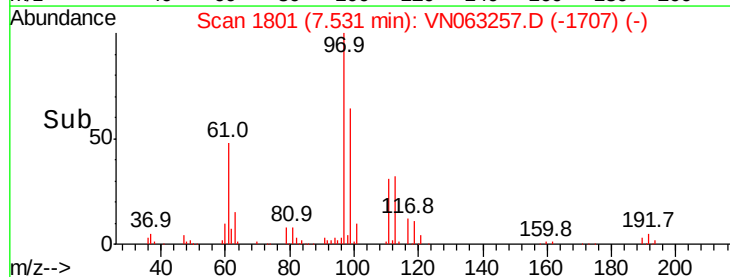
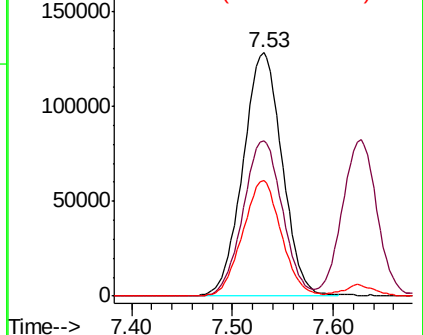


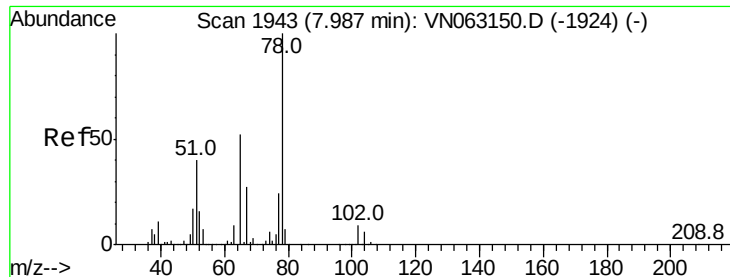
#32
1,1,1-Trichloroethane
Concen: 52.139 ug/l
RT: 7.53 min Scan# 1801
Delta R.T. 0.00 min
Lab File: VN063257.D
Acq: 4 Sep 2020 19:00

Tgt Ion: 97 Resp: 345859
Ion Ratio Lower Upper
97 100
99 64.1 50.8 76.2
61 46.8 37.4 56.2



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 52.865 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

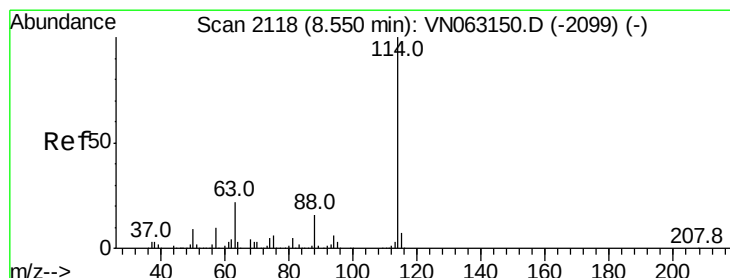
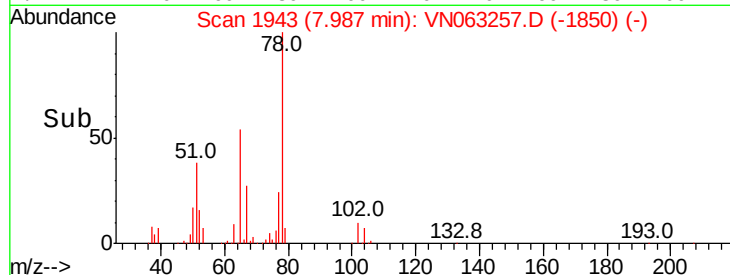
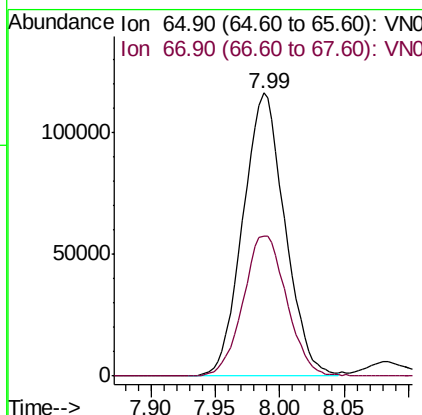
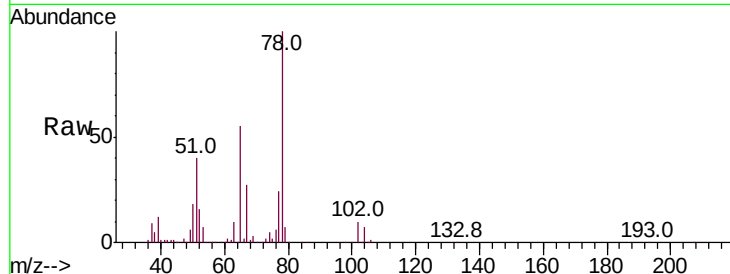
Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

Instrument :
MSVOA_N
ClientSampleId :
SA-MW131I-20200901MSD

Tot Ion: 65 Resp: 264147

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

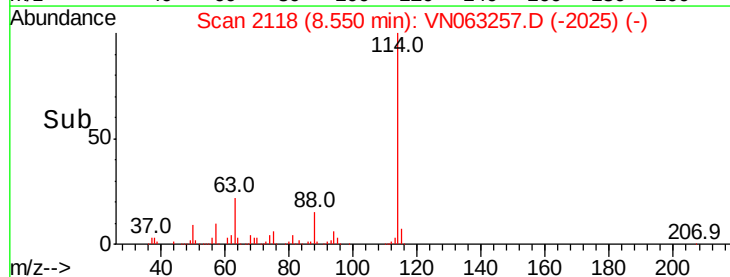
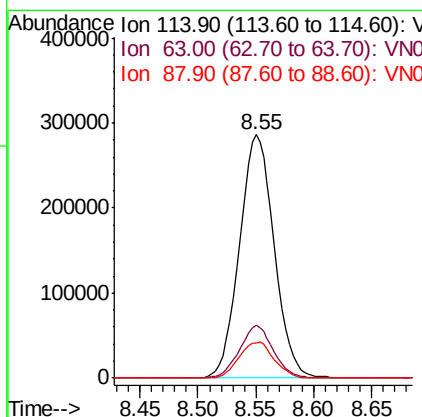
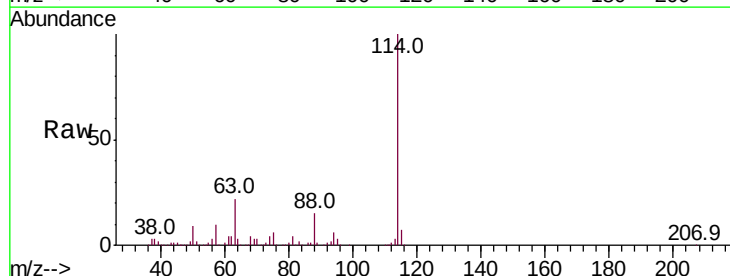
Delta R.T. 0.00 min

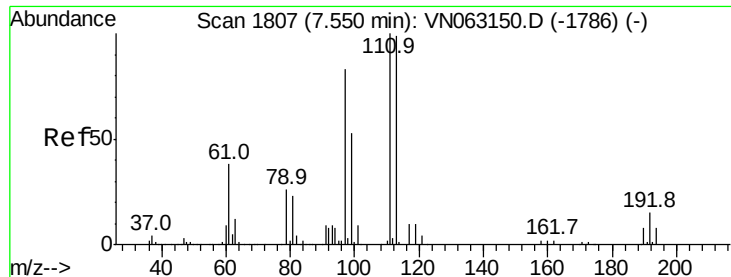
Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

Tgt Ion: 114 Resp: 595766

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	43.0
88	14.6	0.0	31.6

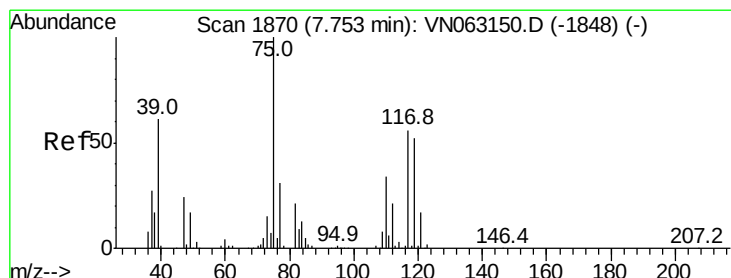
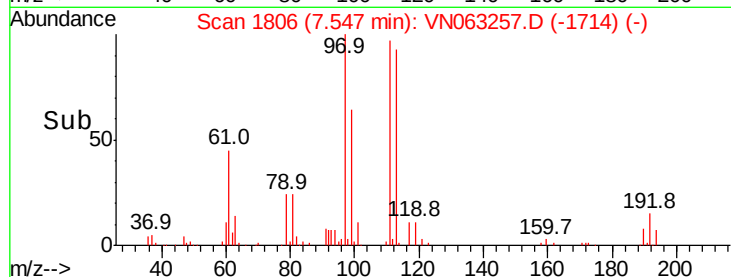
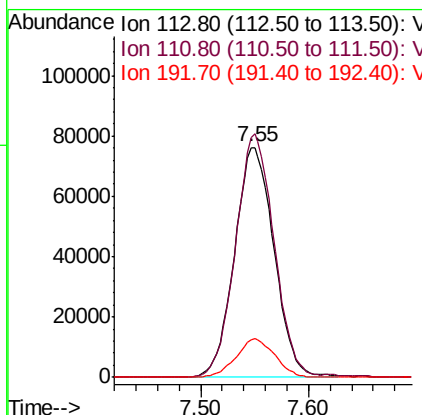
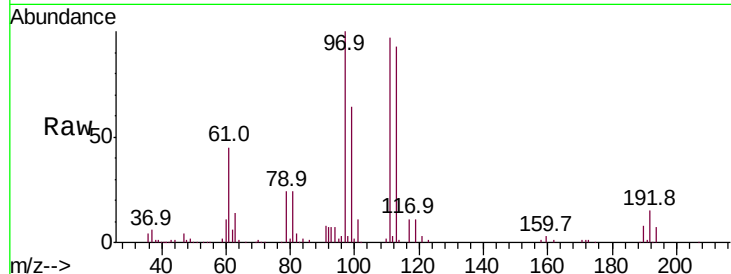




#35
 Dibromofluoromethane
 Concen: 50.876 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN063257.D
 Acq: 4 Sep 2020 19:00

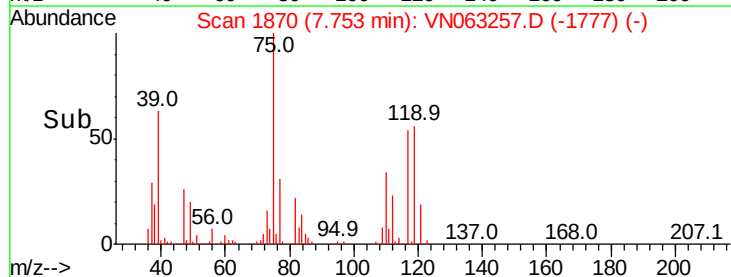
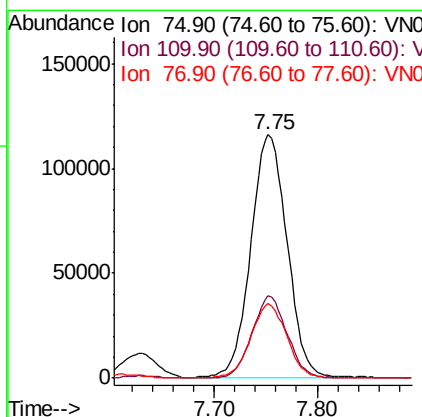
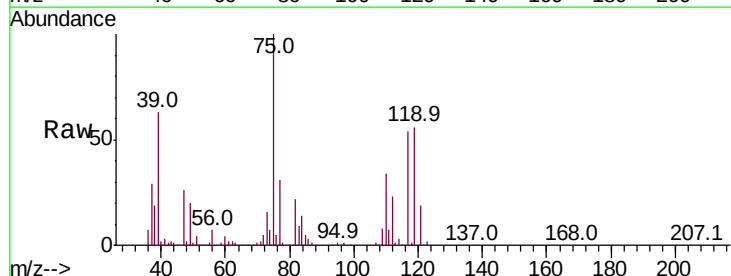
Instrument :
 MSVOA_N
 ClientSampleId :
 SA-MW131I-20200901MSD

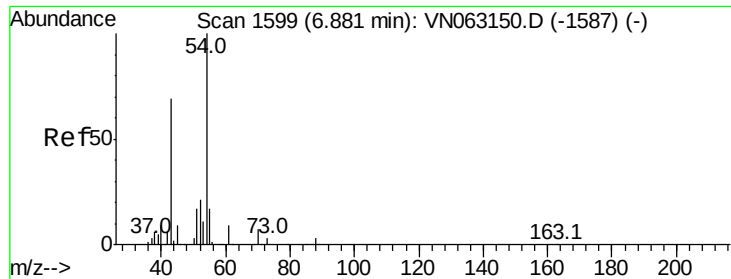
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	80.7	121.1
192	16.3	12.6	19.0



#36
 1,1-Dichloropropene
 Concen: 49.233 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN063257.D
 Acq: 4 Sep 2020 19:00

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.0	16.6	49.8
77	30.8	25.4	38.2

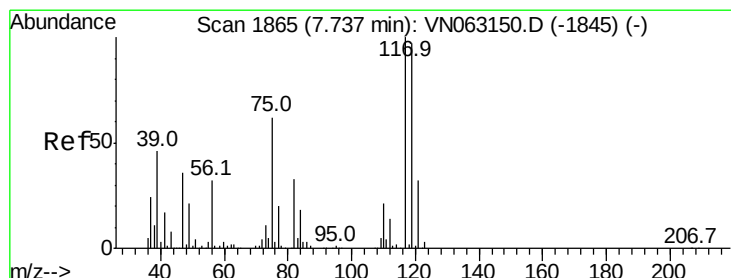
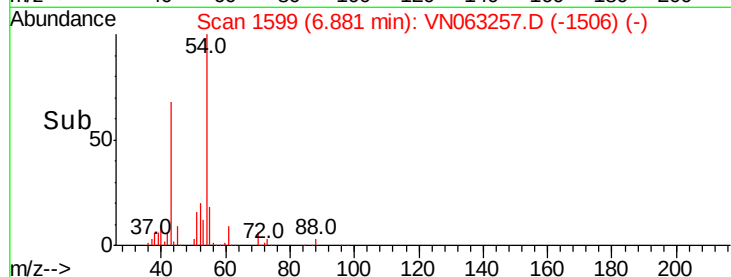
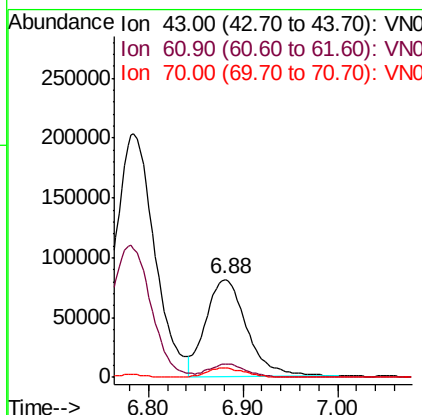
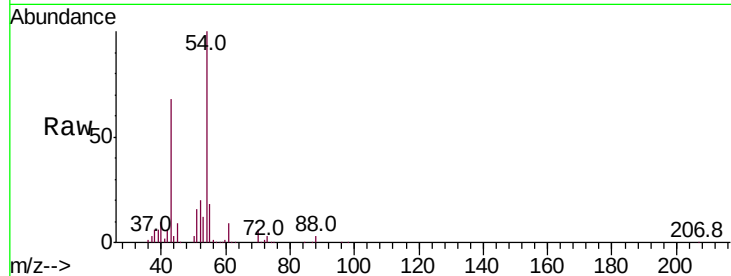




#37
Ethyl Acetate
Concen: 45.042 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN063257.D
Acq: 4 Sep 2020 19:00

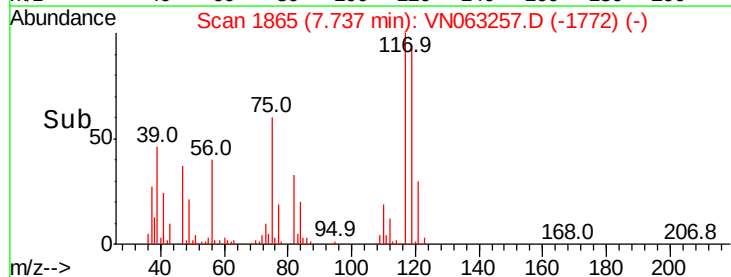
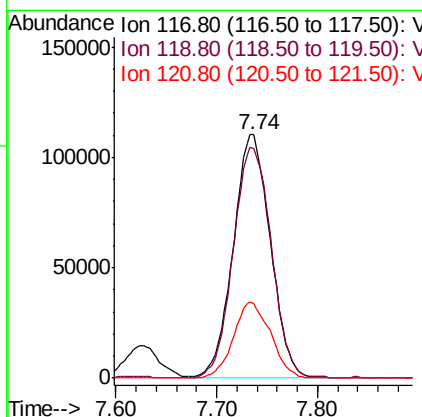
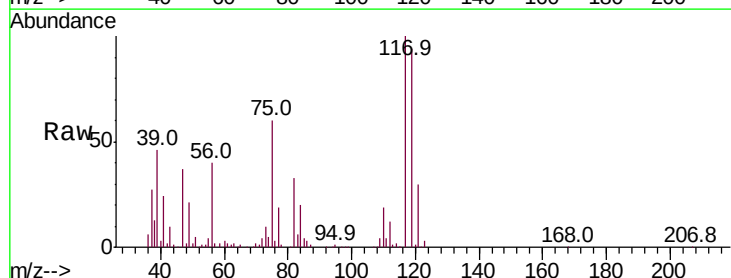
Instrument :
MSVOA_N
ClientSampleId :
SA-MW131I-20200901MSD

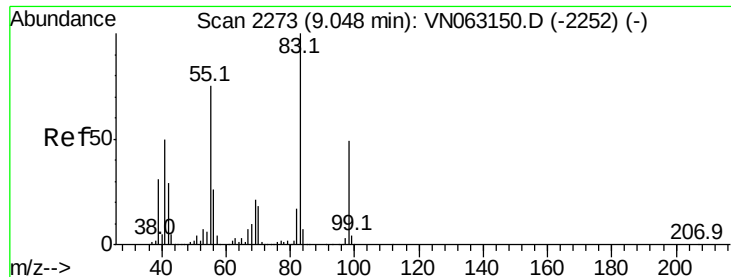
Tot Ion: 43 Resp: 243387
Ion Ratio Lower Upper
43 100
61 12.3 10.2 15.4
70 8.9 3.0 4.6#



#38
Carbon Tetrachloride
Concen: 48.471 ug/l
RT: 7.74 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN063257.D
Acq: 4 Sep 2020 19:00

Tgt Ion: 117 Resp: 281535
Ion Ratio Lower Upper
117 100
119 94.4 77.2 115.8
121 30.6 25.6 38.4

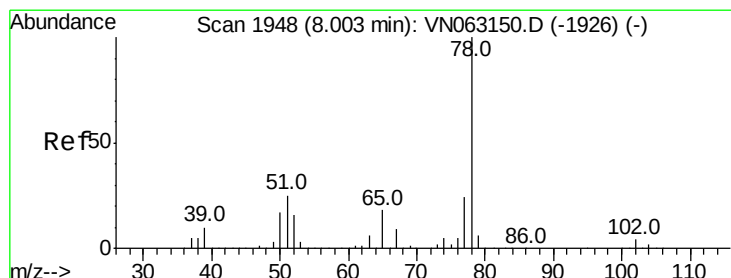
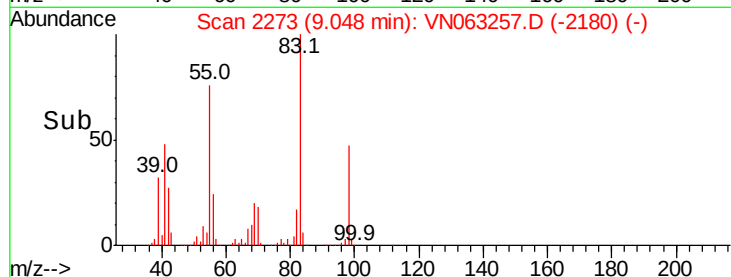
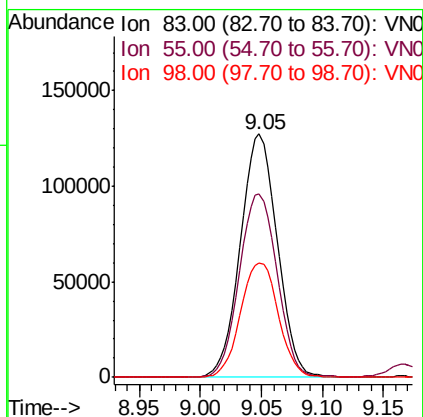
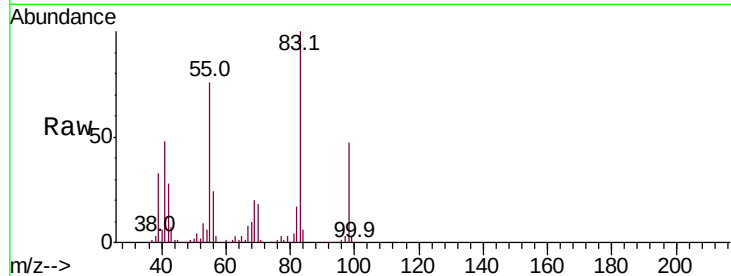




#39
Methylvlcyclohexane
Concen: 41.437 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN063257.D
Acq: 4 Sep 2020 19:00

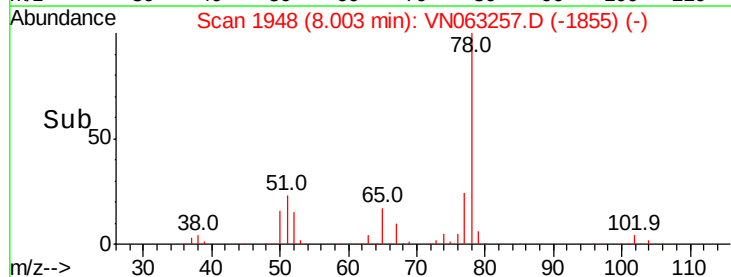
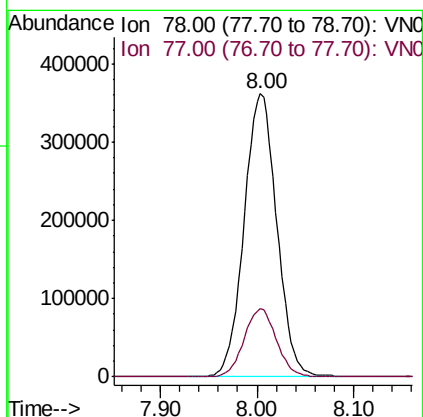
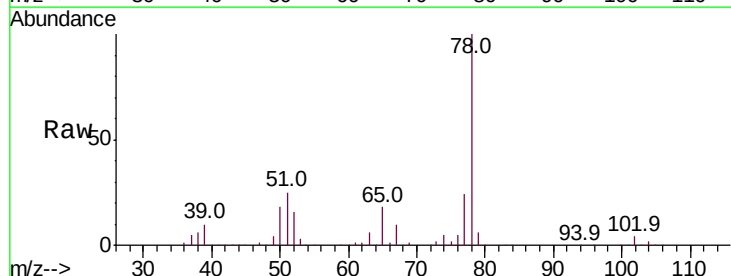
Instrument :
MSVOA_N
ClientSampleId :
SA-MW131I-20200901MSD

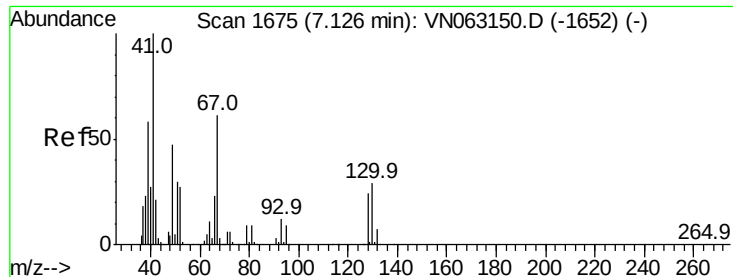
Tot Ion	83	Resp	266620
Ion Ratio	Lower	Upper	
83	100		
55	75.4	60.3	90.5
98	47.0	38.9	58.3



#40
Benzene
Concen: 50.414 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063257.D
Acq: 4 Sep 2020 19:00

Tgt Ion	78	Resp	848507
Ion Ratio	Lower	Upper	
78	100		
77	23.9	19.3	28.9

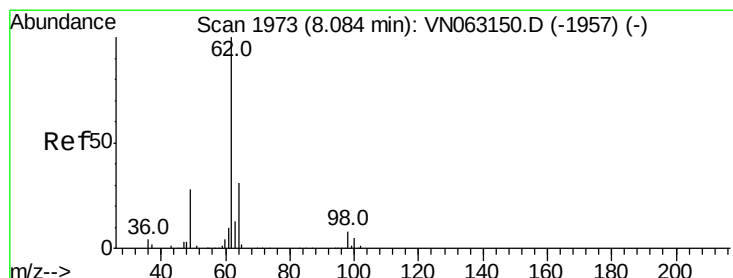
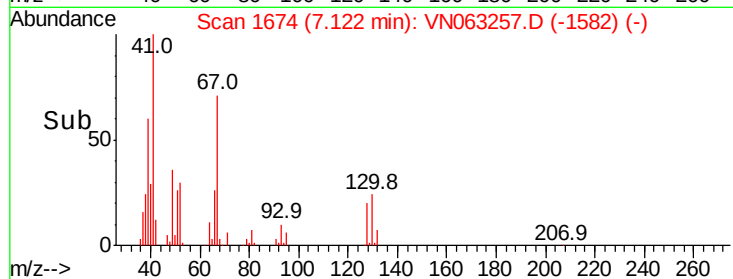
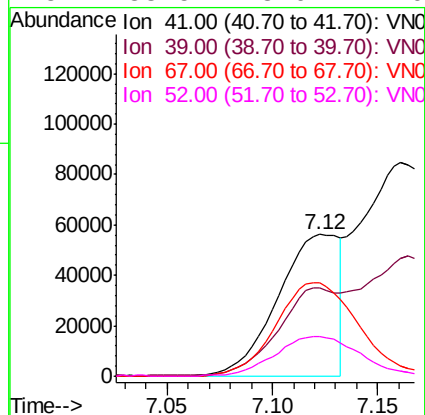
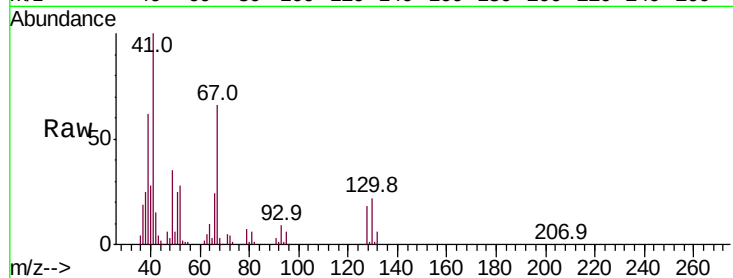




#41
Methacrylonitrile
Concen: 47.216 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VN063257.D
Acq: 4 Sep 2020 19:00

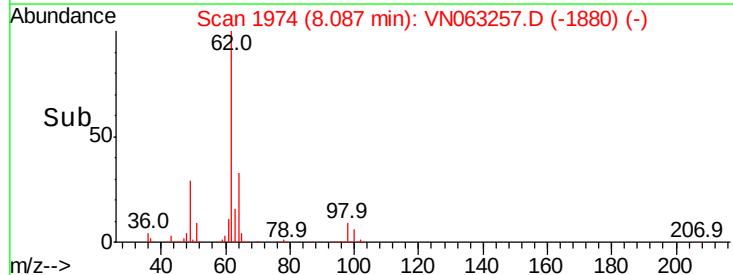
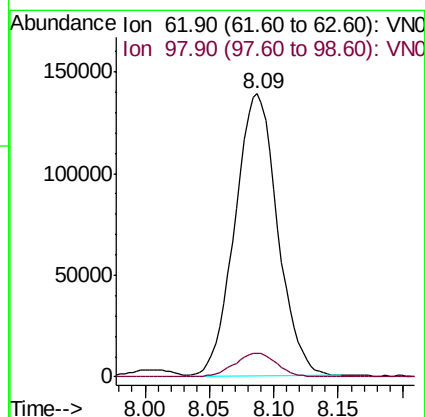
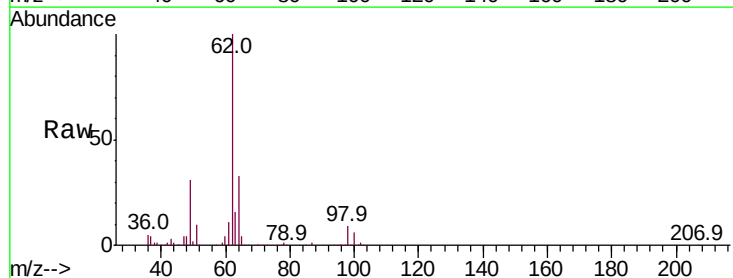
Instrument :
MSVOA_N
ClientSampleId :
SA-MW131I-20200901MSD

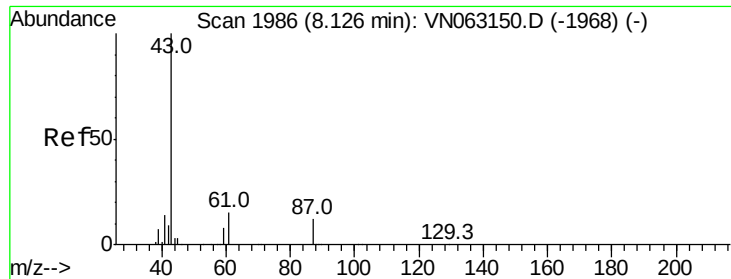
Tot Ion:	41	Resp:	113924
Ion	Ratio	Lower	Upper
41	100		
39	54.4	46.6	70.0
67	89.6	62.6	94.0
52	38.5	28.0	42.0



#42
1,2-Dichloroethane
Concen: 50.686 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN063257.D
Acq: 4 Sep 2020 19:00

Tgt Ion:	62	Resp:	318662
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.2





#43

Isopropyl Acetate

Concen: 47.955 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

Instrument :

MSVOA_N

ClientSampleId :

SA-MW131I-20200901MSD

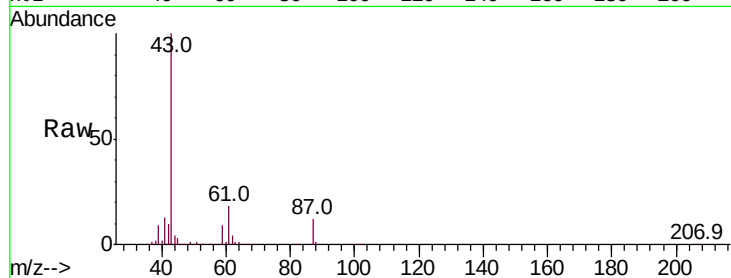
Tot Ion: 43 Resp: 447929

Ion Ratio Lower Upper

43 100

61 18.5 20.2 30.4#

87 12.1 9.8 14.6

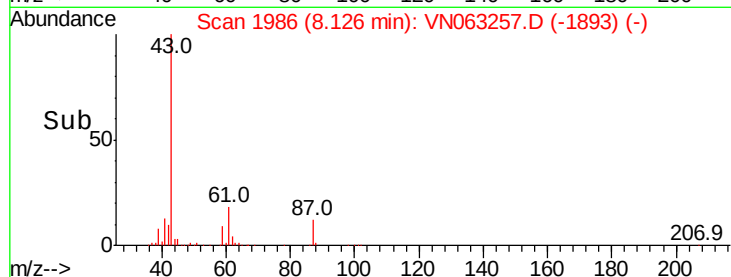


Abundance Ion 43.00 (42.70 to 43.70): VN063150.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN063150.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN063150.D (-1968) (-)

Time-->

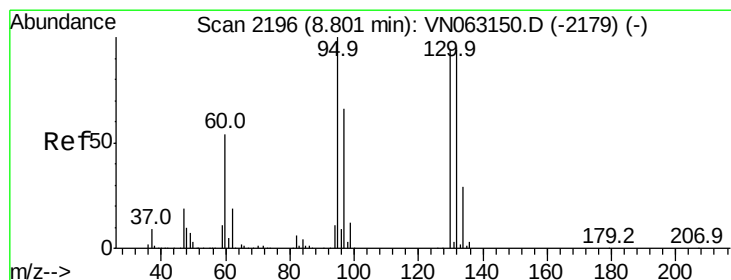


Abundance Ion 43.00 (42.70 to 43.70): VN063257.D (-1893) (-)

Ion 61.00 (60.70 to 61.70): VN063257.D (-1893) (-)

Ion 87.00 (86.70 to 87.70): VN063257.D (-1893) (-)

Time-->



#44

Trichloroethene

Concen: 52.440 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN063257.D

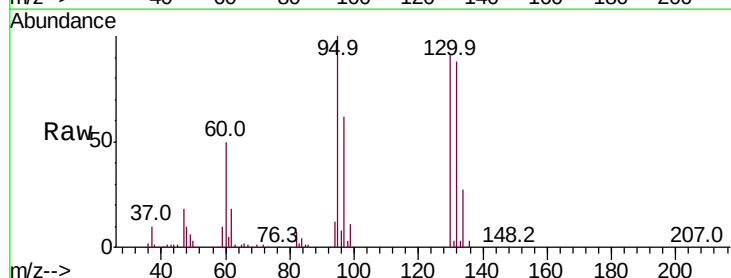
Acq: 4 Sep 2020 19:00

Tgt Ion:130 Resp: 214081

Ion Ratio Lower Upper

130 100

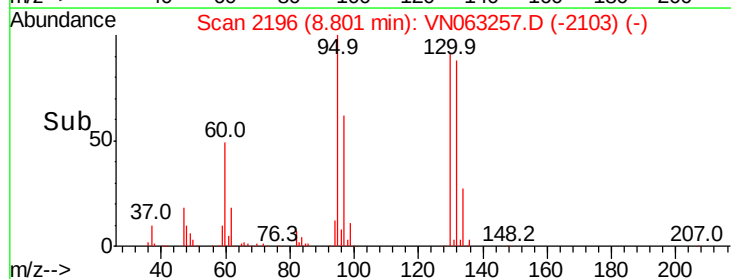
95 110.2 0.0 212.0



Abundance Ion 129.80 (129.50 to 130.50): VN063150.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN063150.D (-2179) (-)

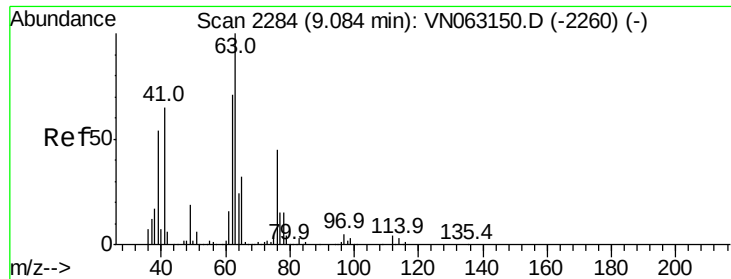
Time-->



Abundance Ion 129.80 (129.50 to 130.50): VN063257.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN063257.D (-2103) (-)

Time-->



#45

1,2-Dichloropropane

Concen: 49.796 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

Instrument :

MSVOA_N

ClientSampleId :

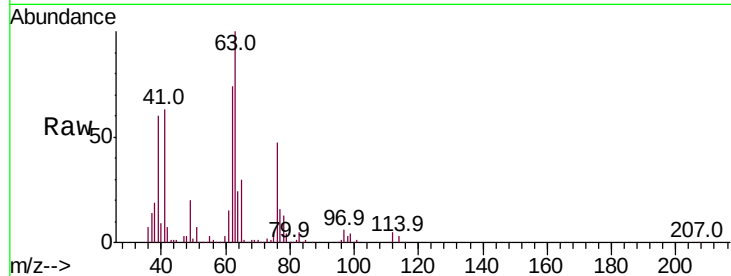
SA-MW131I-20200901MSD

Tot Ion: 63 Resp: 221899

Ion Ratio Lower Upper

63 100

65 29.9 25.4 38.0



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO

9.08

120000

100000

80000

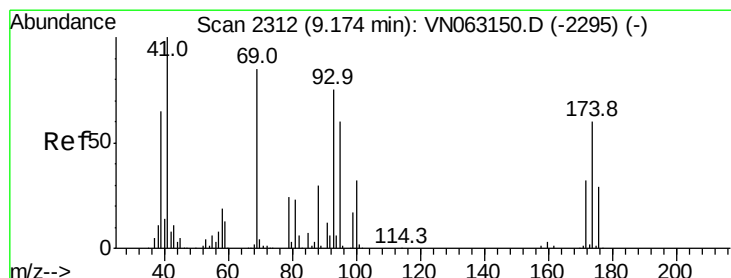
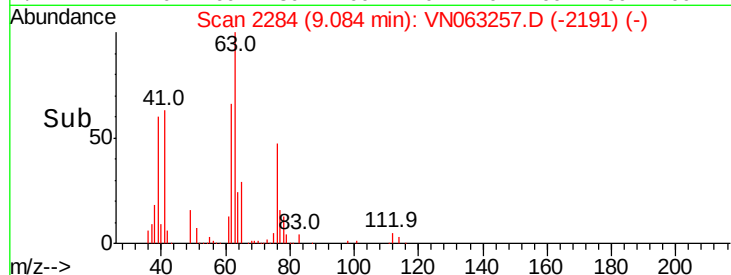
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 51.984 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

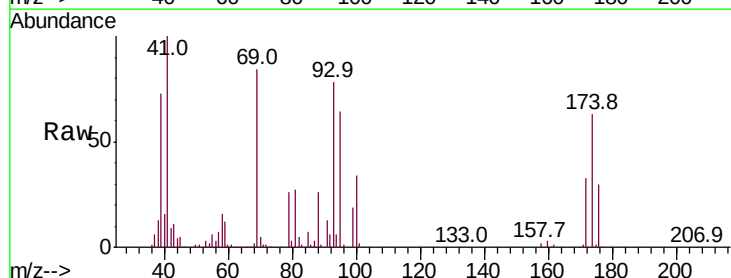
Tgt Ion: 93 Resp: 153515

Ion Ratio Lower Upper

93 100

95 82.3 65.2 97.8

174 83.2 64.6 97.0



Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO

100000

80000

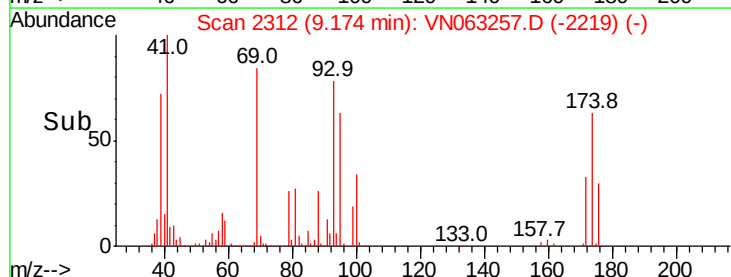
60000

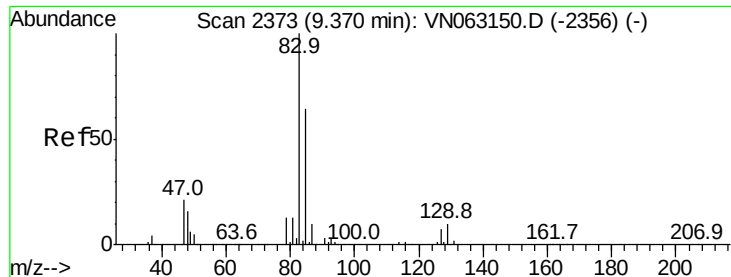
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 50.222 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

Instrument :

MSVOA_N

ClientSampleId :

SA-MW131I-20200901MSD

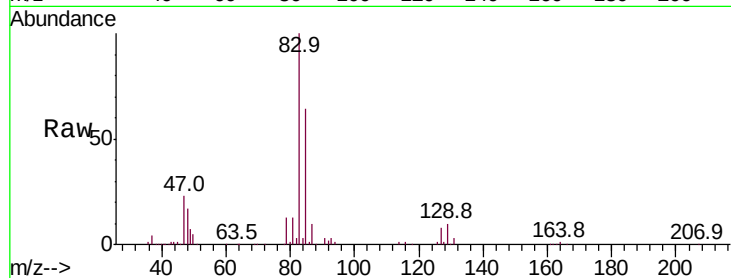
Tot Ion: 83 Resp: 317899

Ion Ratio Lower Upper

83 100

85 64.0 51.0 76.6

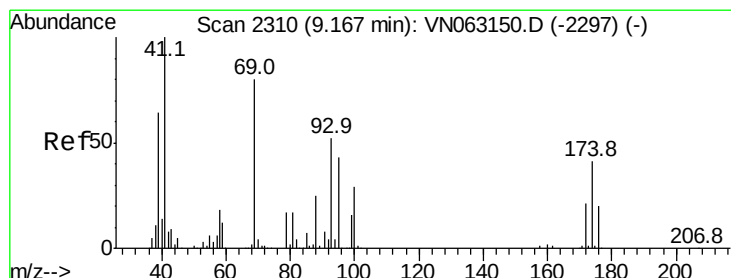
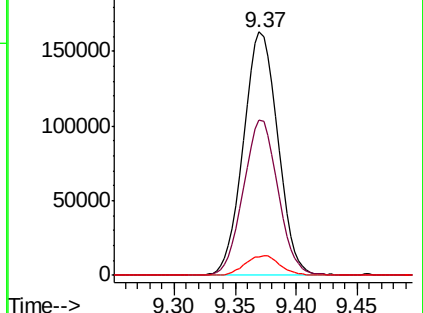
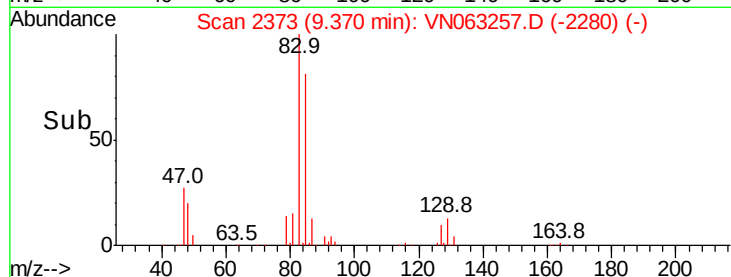
127 7.8 5.7 8.5



Abundance Ion 82.90 (82.60 to 83.60): VN063150.D (-2356) (-)

Ion 84.90 (84.60 to 85.60): VN063150.D (-2356) (-)

Ion 126.80 (126.50 to 127.50): VN063150.D (-2356) (-)



#48

Methyl methacrylate

Concen: 50.254 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

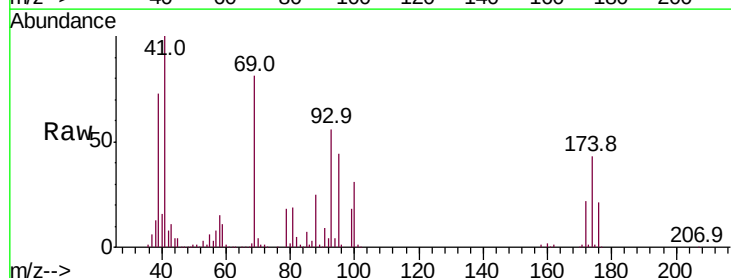
Tgt Ion: 41 Resp: 211605

Ion Ratio Lower Upper

41 100

69 84.3 65.9 98.9

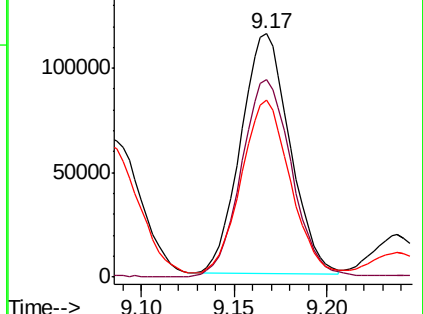
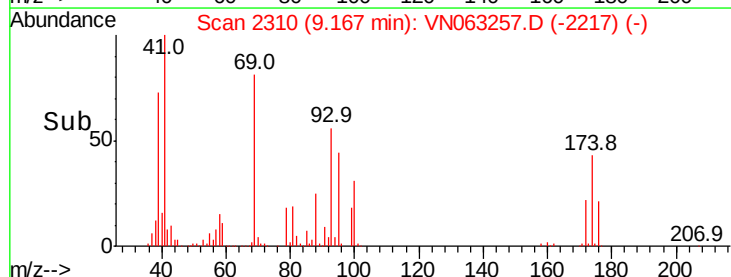
39 74.0 52.0 78.0

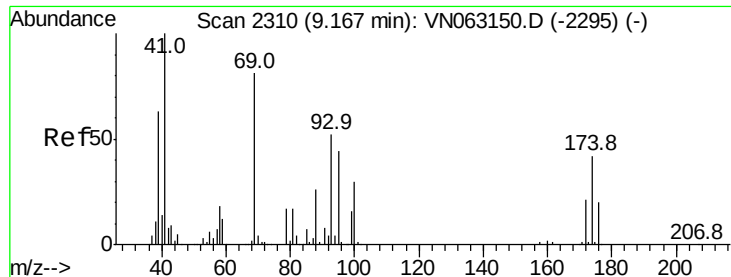


Abundance Ion 41.00 (40.70 to 41.70): VN063150.D (-2297) (-)

Ion 69.00 (68.70 to 69.70): VN063150.D (-2297) (-)

Ion 39.00 (38.70 to 39.70): VN063150.D (-2297) (-)





#49

1,4-Dioxane

Concen: 903.320 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

Instrument :

MSVOA_N

ClientSampleId :

SA-MW131I-20200901MSD

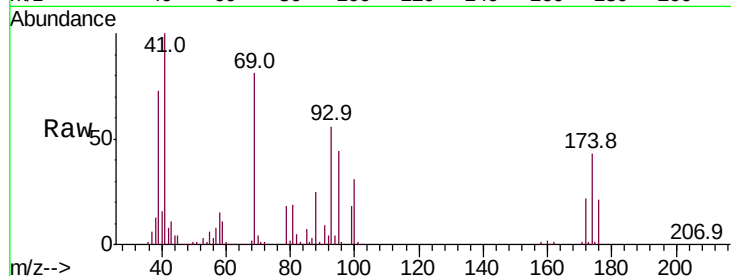
Tot Ion: 88 Resp: 58831

Ion Ratio Lower Upper

88 100

43 37.2 28.6 42.8

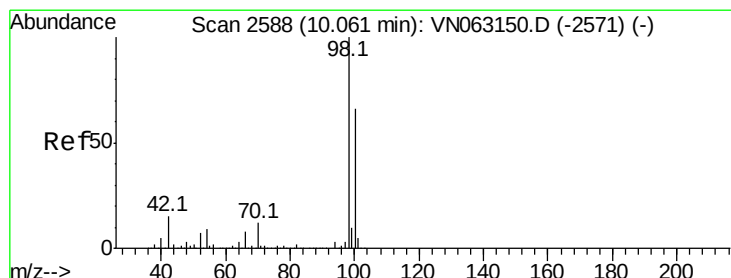
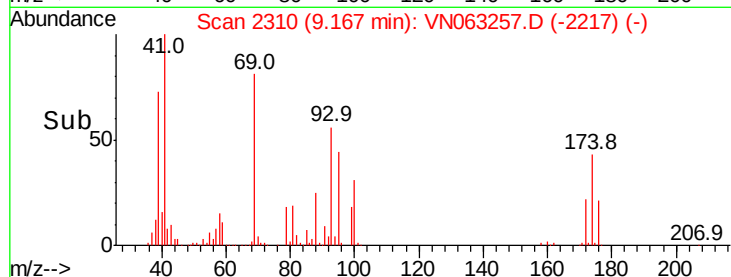
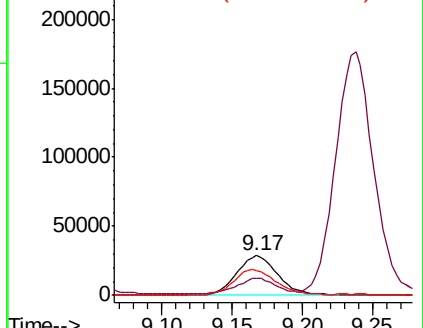
58 67.2 53.2 79.8



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 50.674 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063257.D

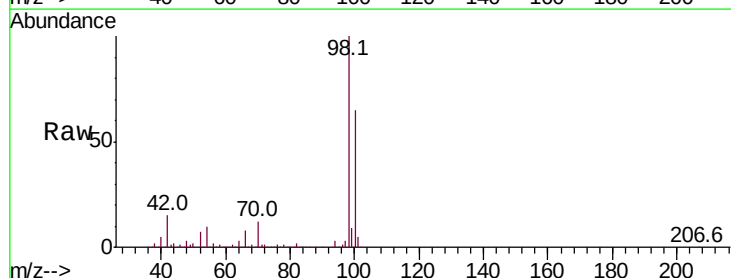
Acq: 4 Sep 2020 19:00

Tgt Ion: 98 Resp: 745495

Ion Ratio Lower Upper

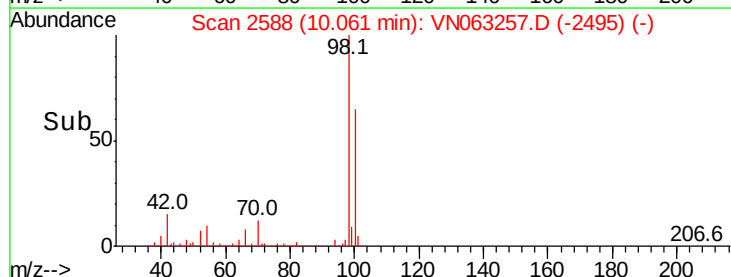
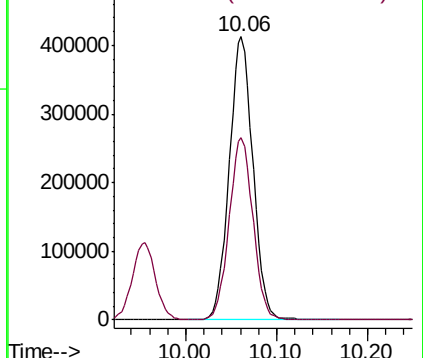
98 100

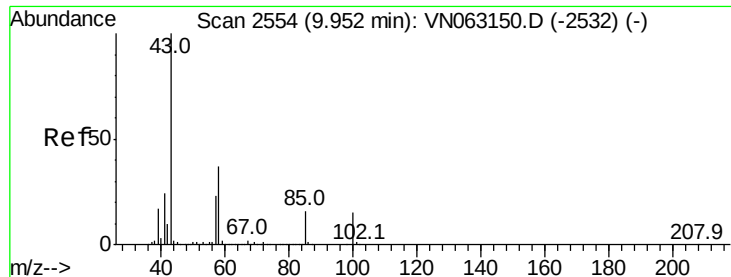
100 64.7 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

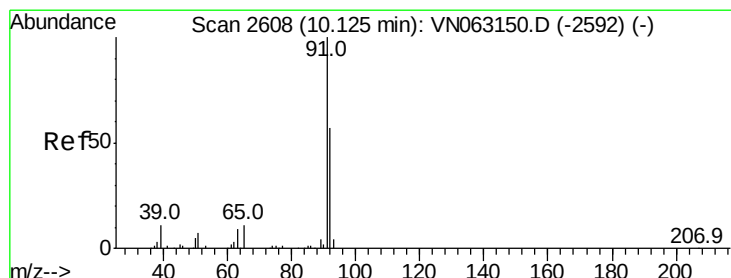
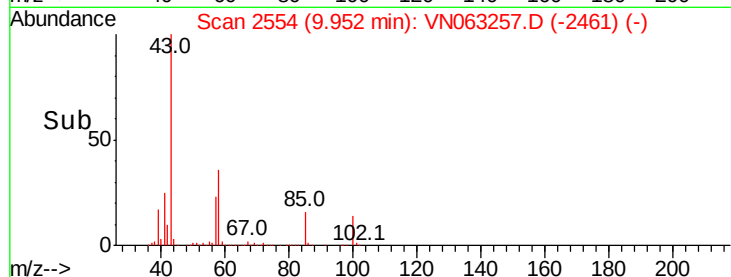
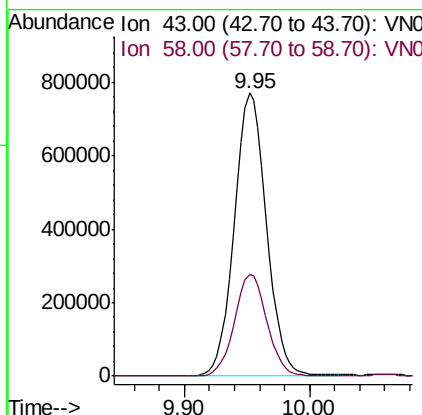
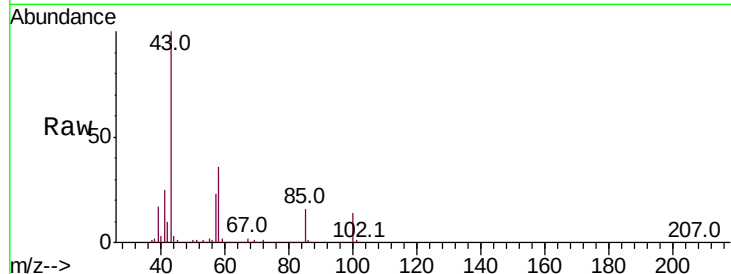




#51
 4-Methyl-2-Pentanone
 Concen: 269.623 ug/l
 RT: 9.95 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN063257.D
 Acq: 4 Sep 2020 19:00

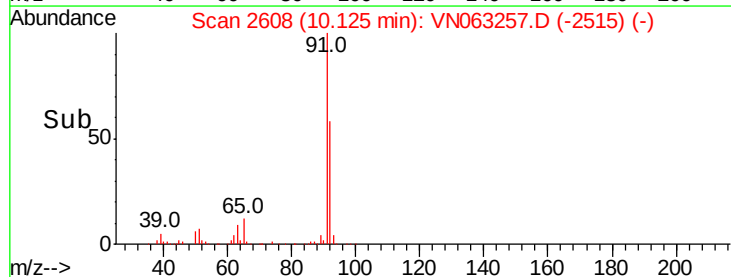
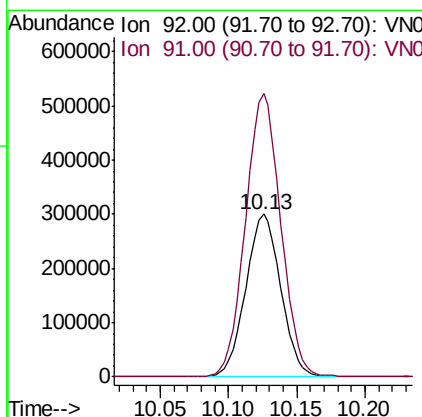
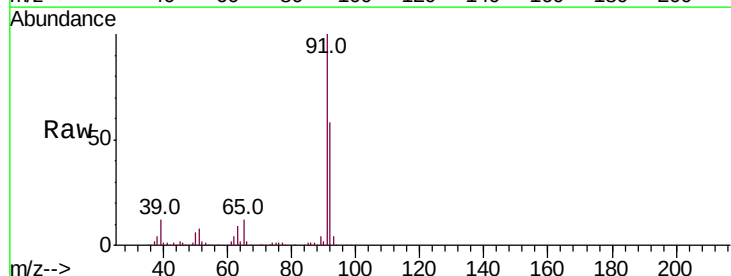
Instrument :
 MSVOA_N
 ClientSampleId :
 SA-MW131I-20200901MSD

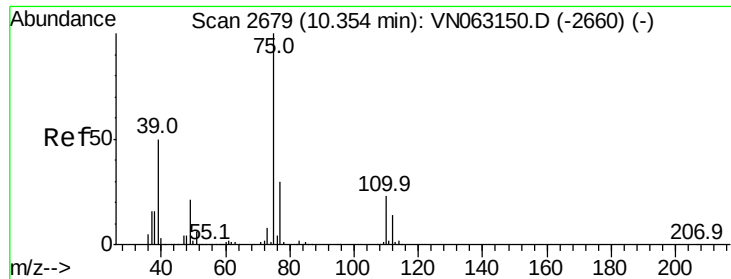
Tot Ion: 43 Resp: 1368529
 Ion Ratio Lower Upper
 43 100
 58 36.3 29.2 43.8



#52
 Toluene
 Concen: 51.114 ug/l
 RT: 10.13 min Scan# 2608
 Delta R.T. 0.00 min
 Lab File: VN063257.D
 Acq: 4 Sep 2020 19:00

Tgt Ion: 92 Resp: 535907
 Ion Ratio Lower Upper
 92 100
 91 175.7 141.2 211.8





#53

t-1,3-Dichloropropene

Concen: 48.128 ug/l

RT: 10.35 min Scan# 2679

Delta R.T. 0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

Instrument :

MSVOA_N

ClientSampleId :

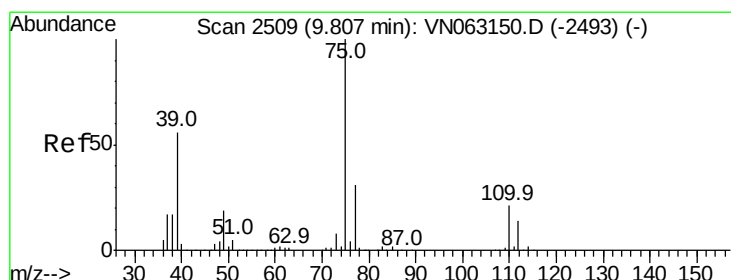
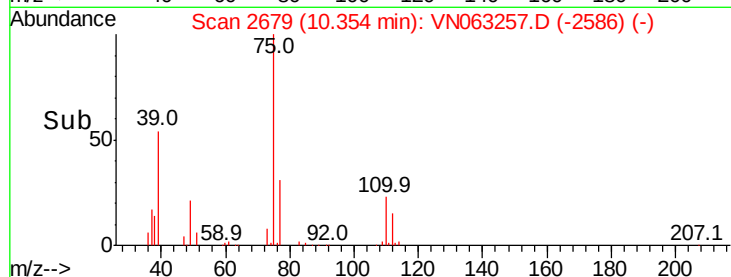
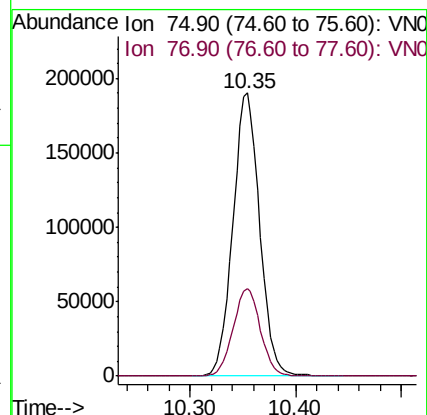
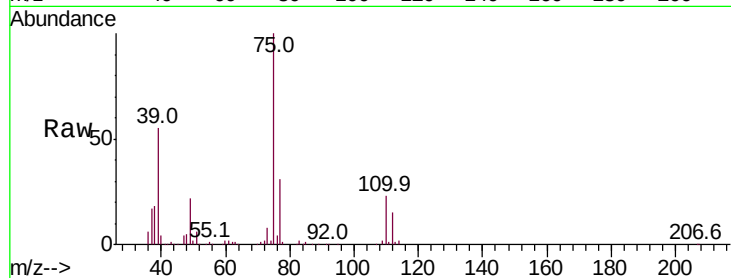
SA-MW131I-20200901MSD

Tot Ion: 75 Resp: 333235

Ion Ratio Lower Upper

75 100

77 31.0 24.2 36.2



#54

cis-1,3-Dichloropropene

Concen: 48.014 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

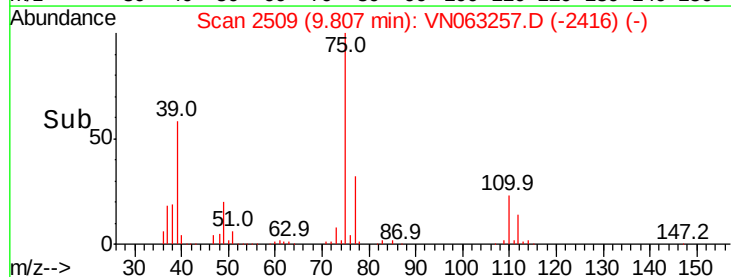
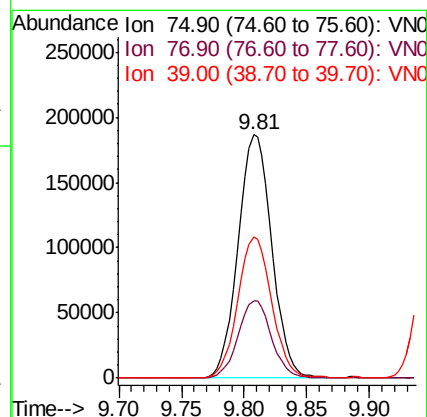
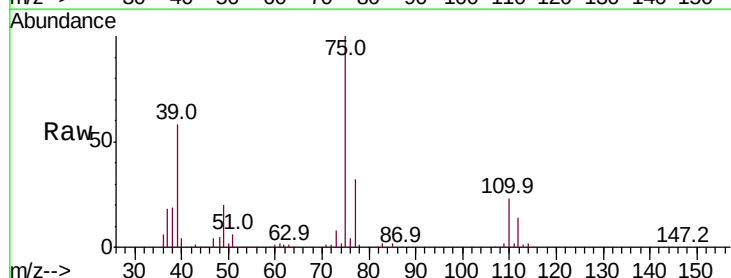
Tgt Ion: 75 Resp: 348961

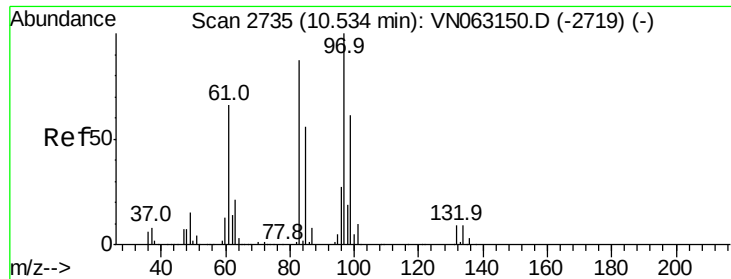
Ion Ratio Lower Upper

75 100

77 31.9 24.8 37.2

39 57.5 45.0 67.6

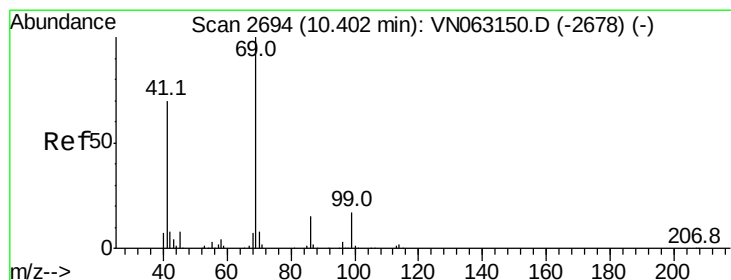
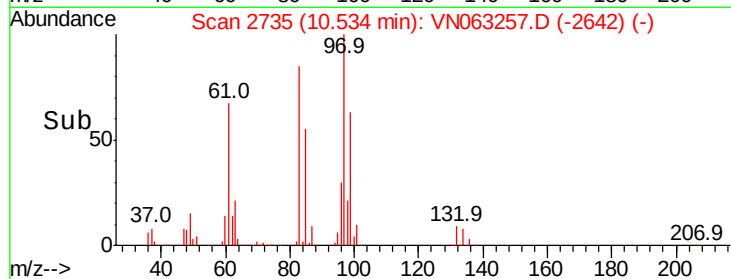
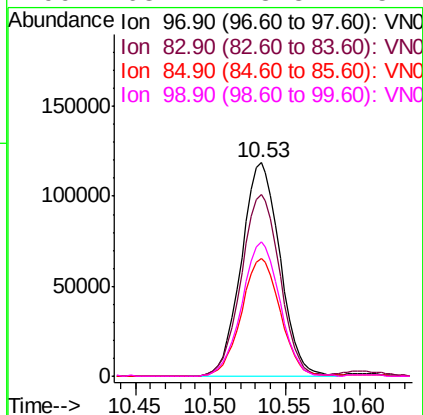
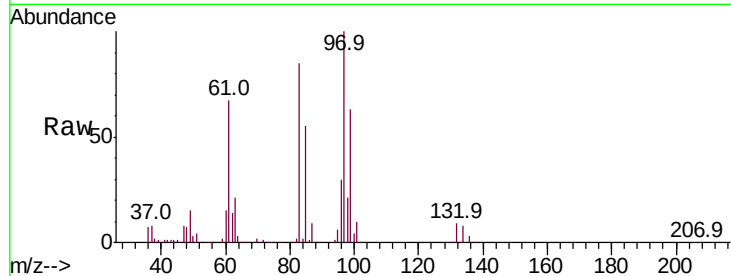




#55
 1,1,2-Trichloroethane
 Concen: 53.093 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN063257.D
 Acq: 4 Sep 2020 19:00

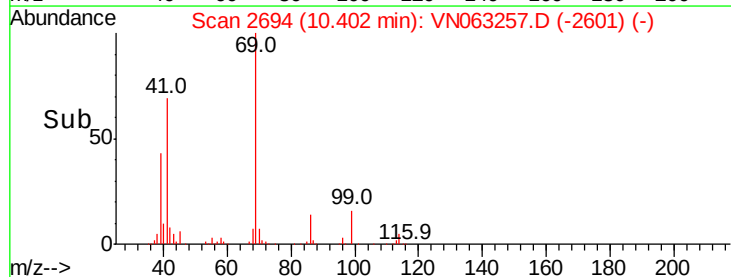
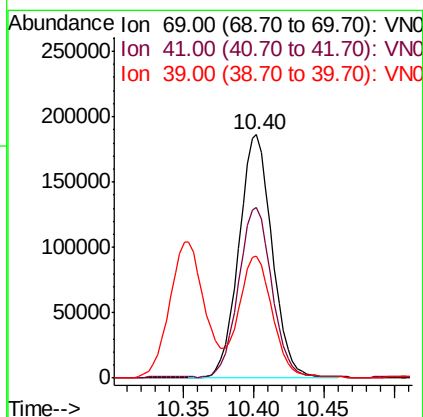
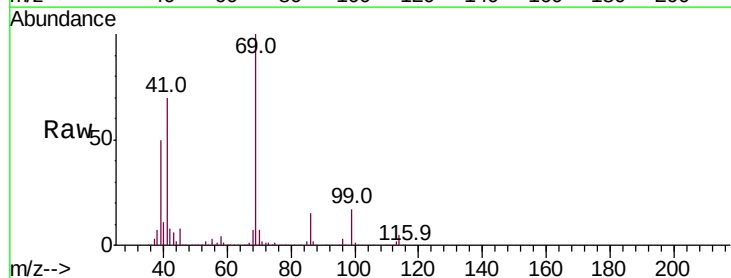
Instrument :
 MSVOA_N
 ClientSampleId :
 SA-MW131I-20200901MSD

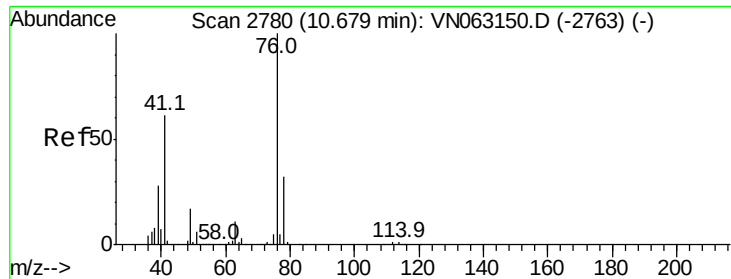
Tot Ion:	97	Resp:	213180
Ion	Ratio	Lower	Upper
97	100		
83	85.4	69.8	104.8
85	55.4	44.9	67.3
99	63.1	48.8	73.2



#56
 Ethyl methacrylate
 Concen: 50.630 ug/l
 RT: 10.40 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VN063257.D
 Acq: 4 Sep 2020 19:00

Tgt Ion:	69	Resp:	309376
Ion	Ratio	Lower	Upper
69	100		
41	69.7	55.5	83.3
39	49.3	38.2	57.2





#57

1,3-Dichloropropane

Concen: 50.417 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

Instrument :

MSVOA_N

ClientSampleId :

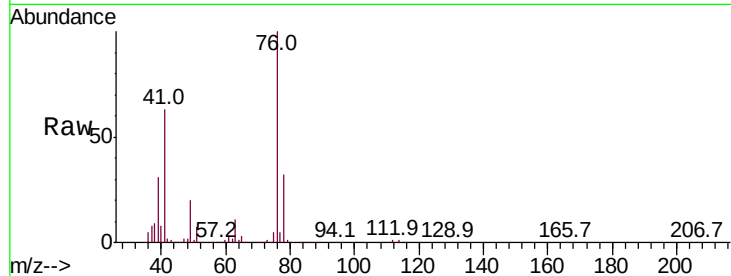
SA-MW131I-20200901MSD

Tot Ion: 76 Resp: 360632

Ion Ratio Lower Upper

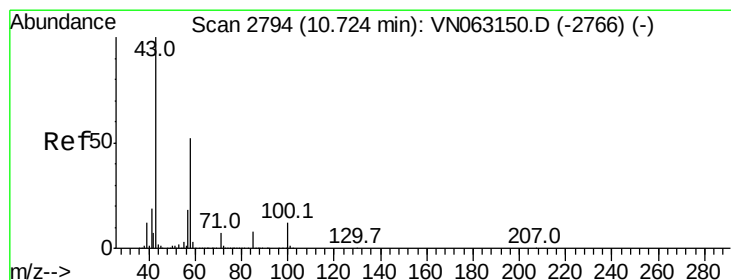
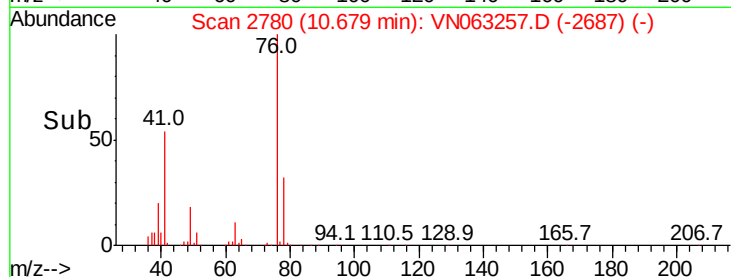
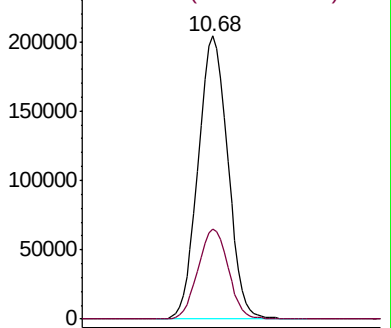
76 100

78 32.5 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#59

2-Hexanone

Concen: 278.430 ug/l

RT: 10.72 min Scan# 2794

Delta R.T. 0.00 min

Lab File: VN063257.D

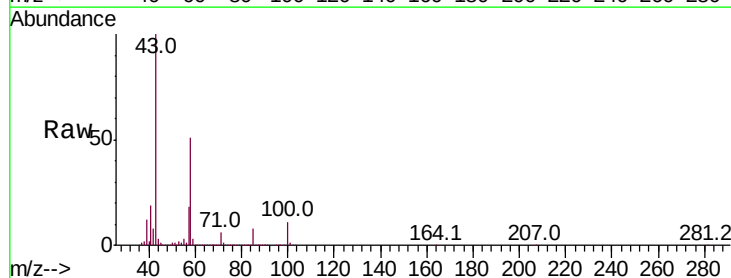
Acq: 4 Sep 2020 19:00

Tgt Ion: 43 Resp: 993198

Ion Ratio Lower Upper

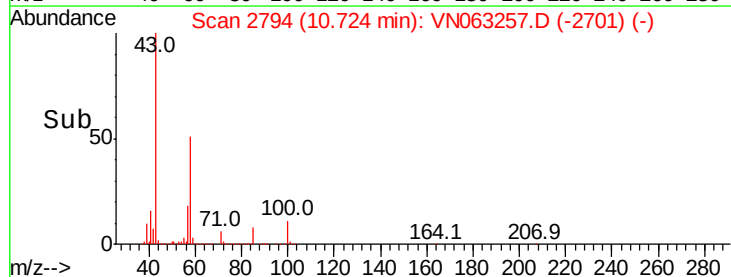
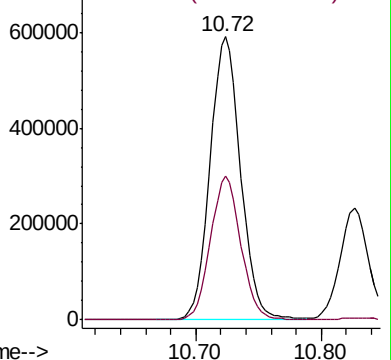
43 100

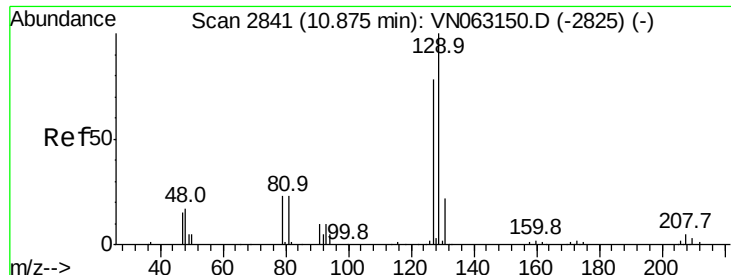
58 51.0 25.9 77.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

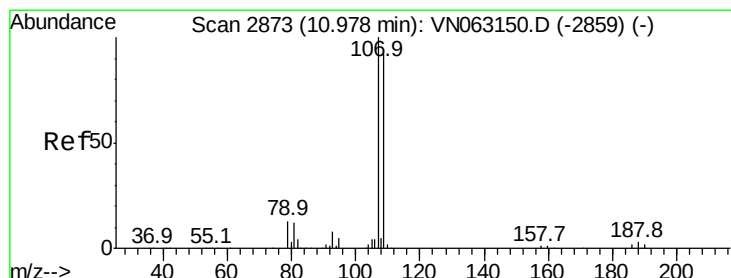
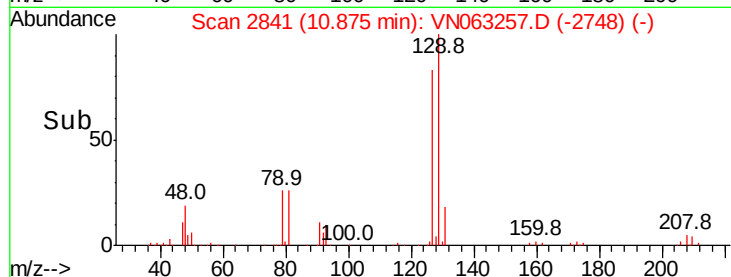
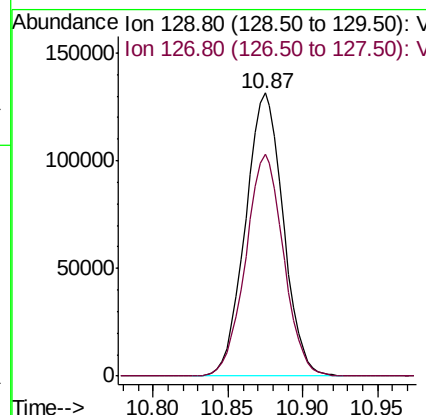
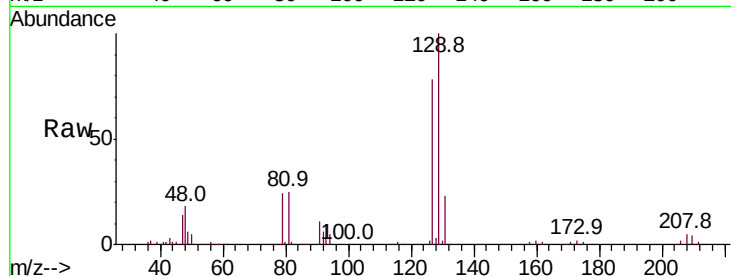




#60
Dibromochloromethane
Concen: 52.149 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN063257.D
Acq: 4 Sep 2020 19:00

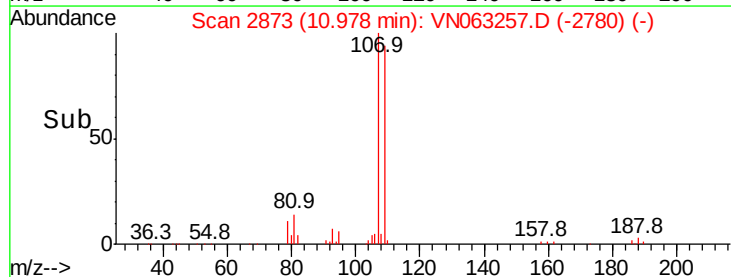
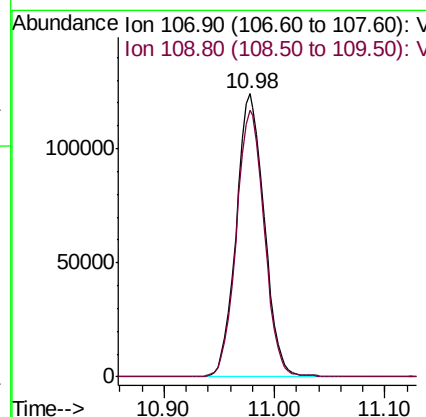
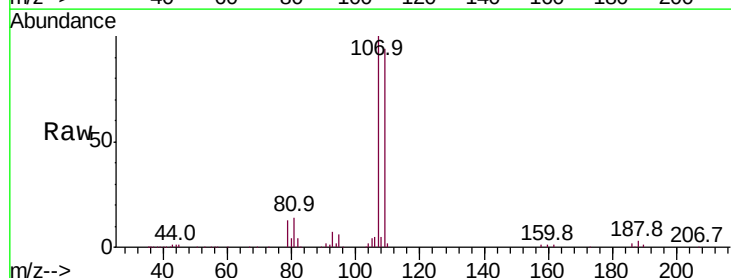
Instrument :
MSVOA_N
ClientSampleId :
SA-MW131I-20200901MSD

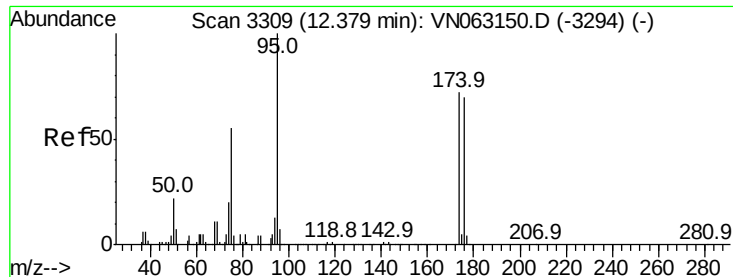
Tot Ion:129 Resp: 231494
Ion Ratio Lower Upper
129 100
127 78.7 39.0 117.0



#61
1,2-Dibromoethane
Concen: 52.415 ug/l
RT: 10.98 min Scan# 2873
Delta R.T. 0.00 min
Lab File: VN063257.D
Acq: 4 Sep 2020 19:00

Tgt Ion:107 Resp: 218779
Ion Ratio Lower Upper
107 100
109 93.8 73.4 110.0





#62

4-Bromofluorobenzene

Concen: 51.993 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

Instrument :

MSVOA_N

ClientSampleId :

SA-MW131I-20200901MSD

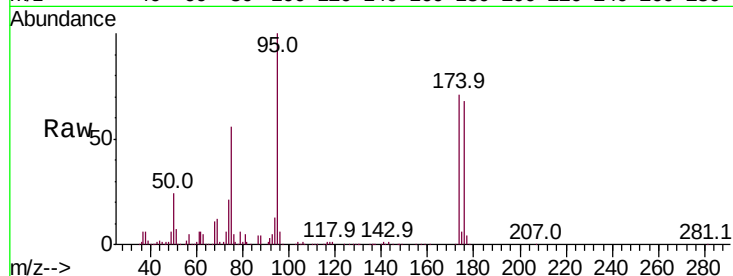
Tot Ion: 95 Resp: 267561

Ion Ratio Lower Upper

95 100

174 72.2 0.0 143.8

176 69.9 0.0 138.4



Abundance Ion 94.90 (94.60 to 95.60): VN063150.D (-3294) (-)

Ion 173.80 (173.50 to 174.50): VN063150.D (-3294) (-)

Ion 175.80 (175.50 to 176.50): VN063150.D (-3294) (-)

12.38

150000

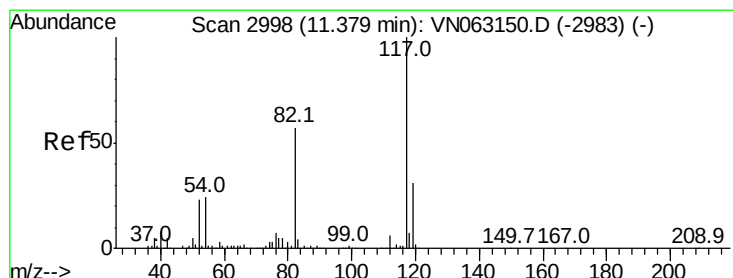
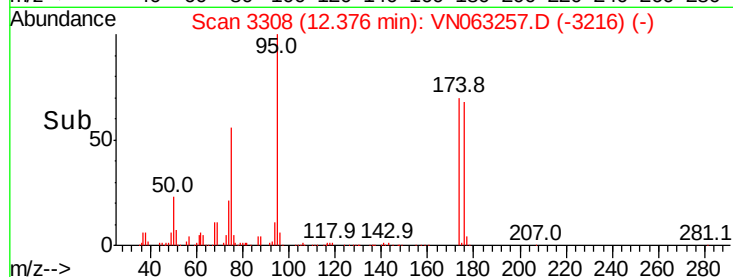
100000

50000

0

Time-->

12.30 12.35 12.40 12.45



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2999

Delta R.T. 0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

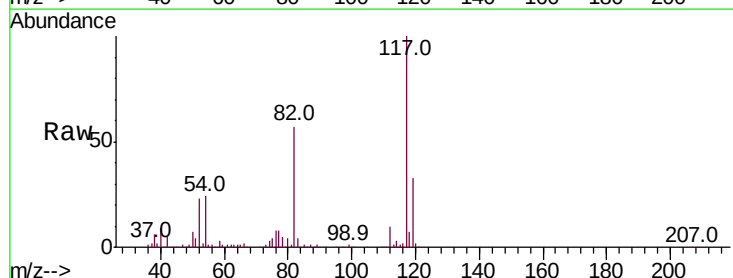
Tgt Ion: 117 Resp: 553117

Ion Ratio Lower Upper

117 100

82 57.2 45.4 68.0

119 33.1 24.6 37.0



Abundance Ion 116.90 (116.60 to 117.60): VN063150.D (-2983) (-)

Ion 82.00 (81.70 to 82.70): VN063150.D (-2983) (-)

Ion 118.90 (118.60 to 119.60): VN063150.D (-2983) (-)

11.38

400000

300000

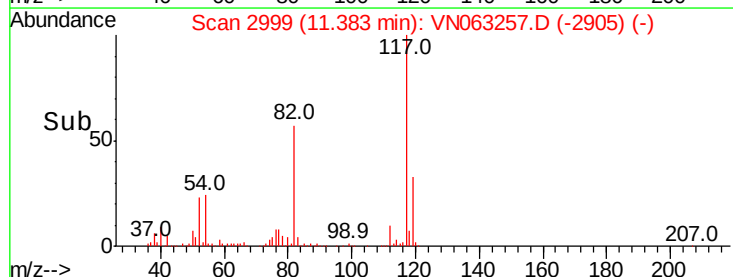
200000

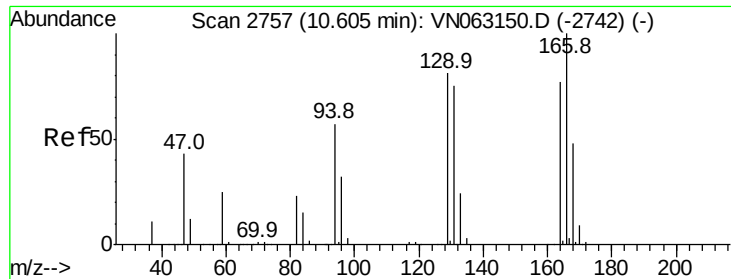
100000

0

Time-->

11.30 11.40





#64

Tetrachloroethene

Concen: 53.167 ug/l

RT: 10.60 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

Instrument :

MSVOA_N

ClientSampleId :

SA-MW131I-20200901MSD

Tot Ion:164 Resp: 211176

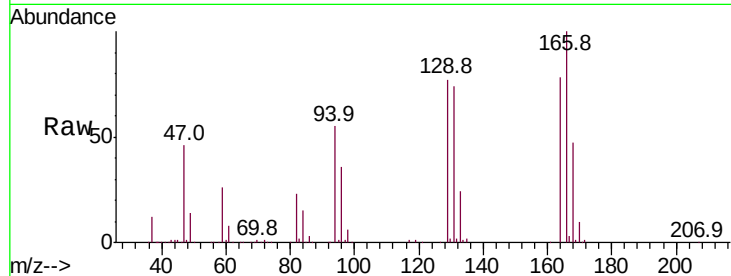
Ion Ratio Lower Upper

164 100

166 127.6 103.4 155.2

129 98.5 83.4 125.0

131 94.5 77.8 116.8

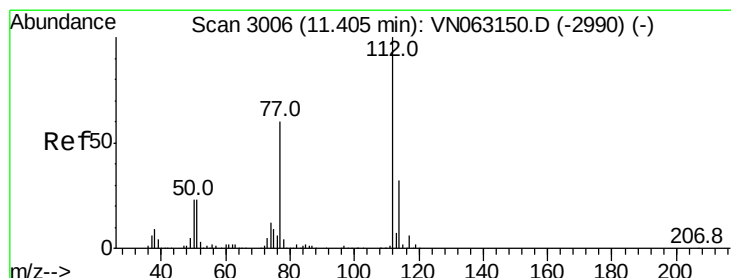
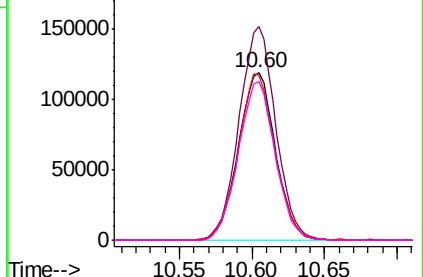
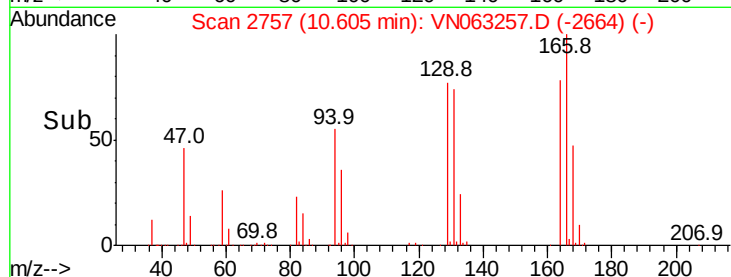


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 50.831 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VN063257.D

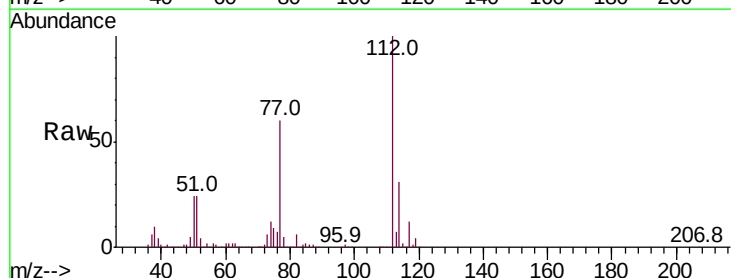
Acq: 4 Sep 2020 19:00

Tgt Ion:112 Resp: 566277

Ion Ratio Lower Upper

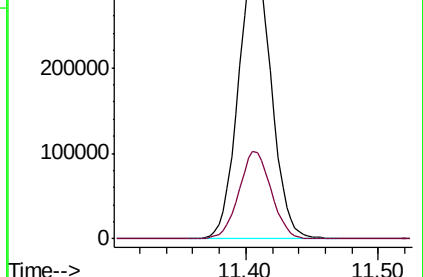
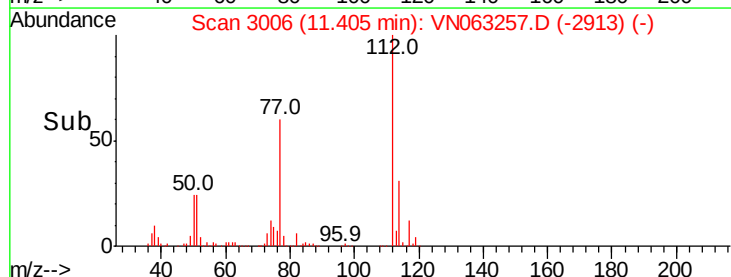
112 100

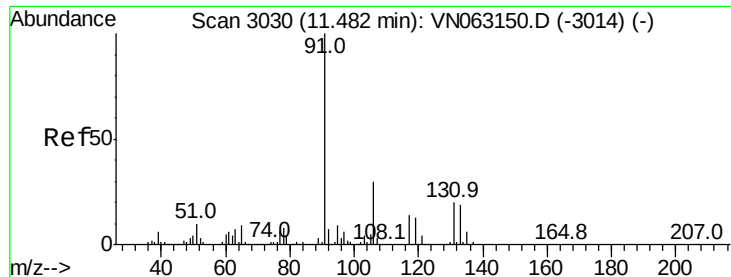
114 31.0 25.2 37.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 50.919 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

Instrument :

MSVOA_N

ClientSampleId :

SA-MW131I-20200901MSD

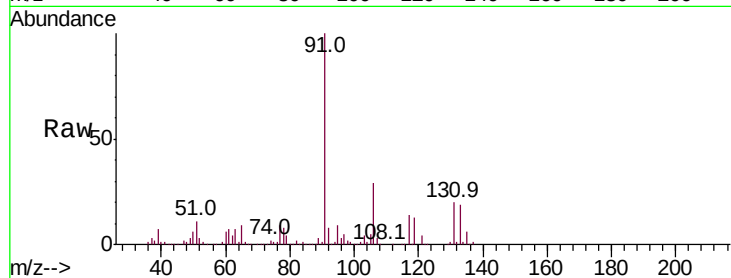
Tot Ion:131 Resp: 210612

Ion Ratio Lower Upper

131 100

133 95.8 47.3 142.0

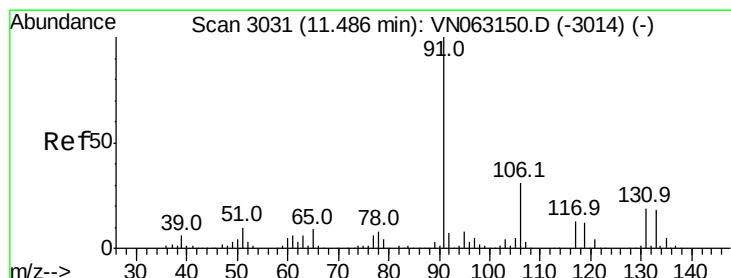
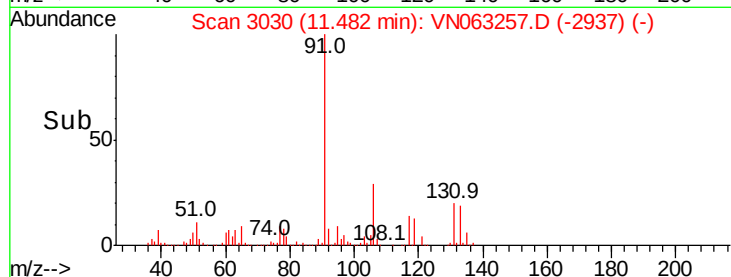
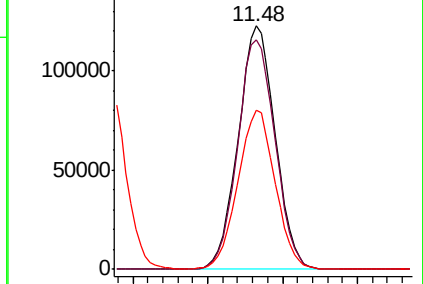
119 66.0 32.4 97.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 52.001 ug/l

RT: 11.49 min Scan# 3031

Delta R.T. 0.00 min

Lab File: VN063257.D

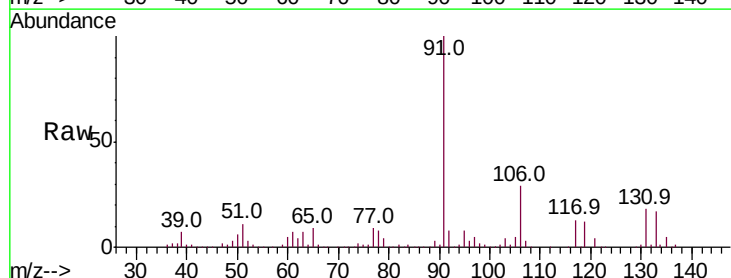
Acq: 4 Sep 2020 19:00

Tgt Ion: 91 Resp: 1056843

Ion Ratio Lower Upper

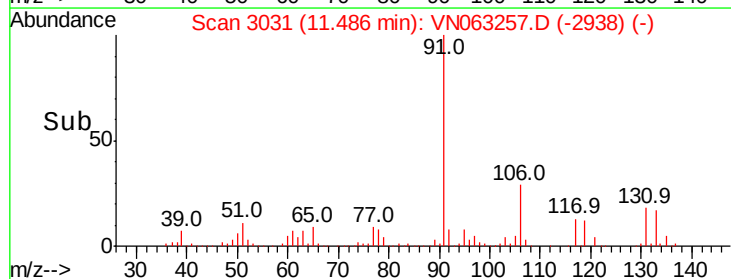
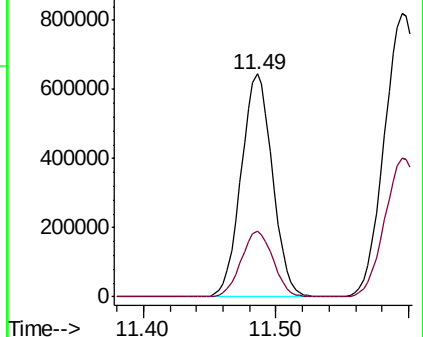
91 100

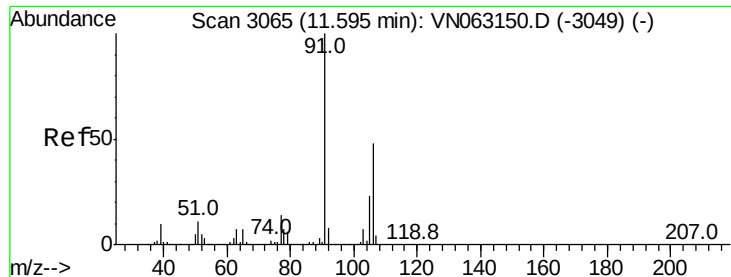
106 29.3 24.4 36.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 103.558 ug/l

RT: 11.59 min Scan# 3065

Delta R.T. 0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

Instrument :

MSVOA_N

ClientSampleId :

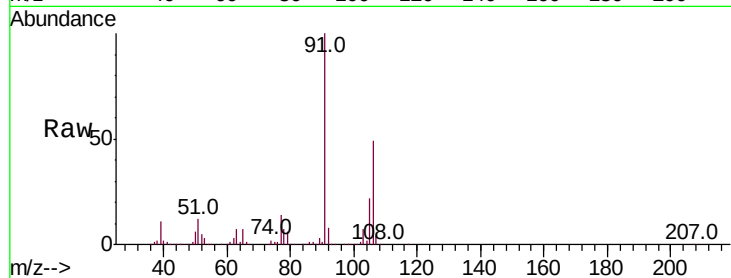
SA-MW131I-20200901MSD

Tot Ion:106 Resp: 779494

Ion Ratio Lower Upper

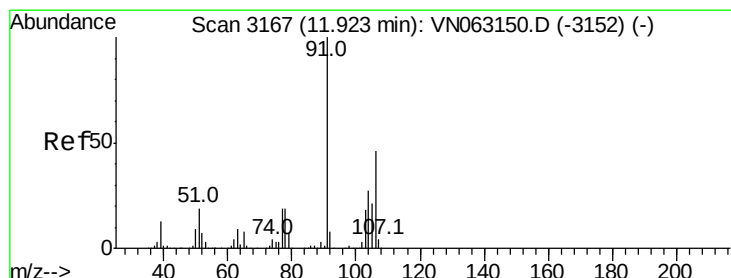
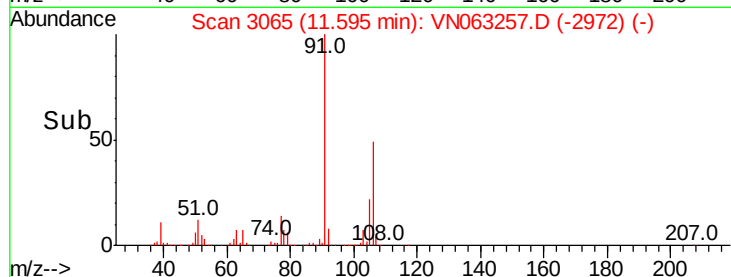
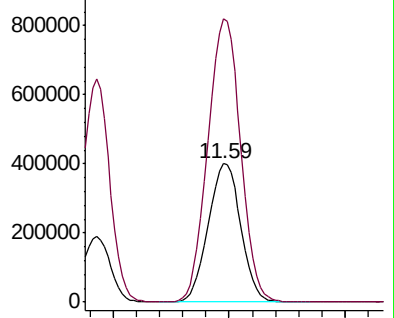
106 100

91 205.6 166.7 250.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#69

o-Xylene

Concen: 51.050 ug/l

RT: 11.92 min Scan# 3167

Delta R.T. 0.00 min

Lab File: VN063257.D

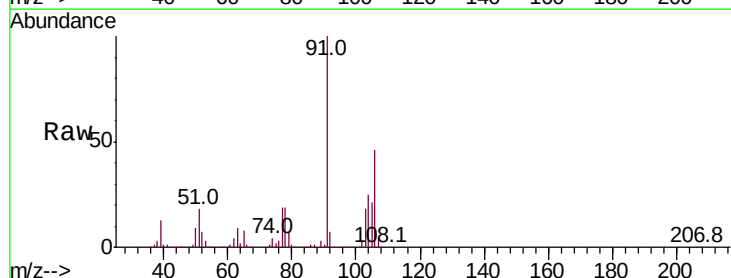
Acq: 4 Sep 2020 19:00

Tgt Ion:106 Resp: 371214

Ion Ratio Lower Upper

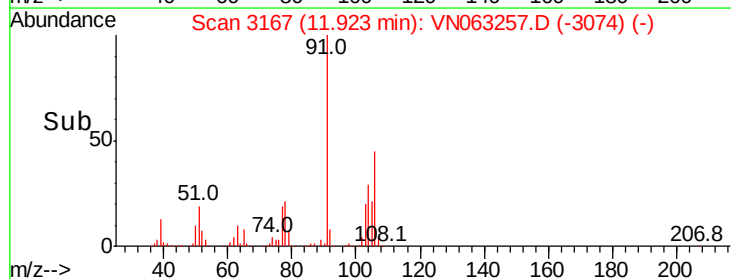
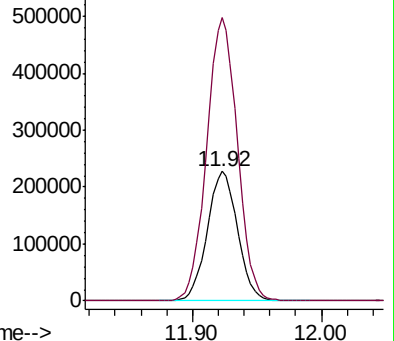
106 100

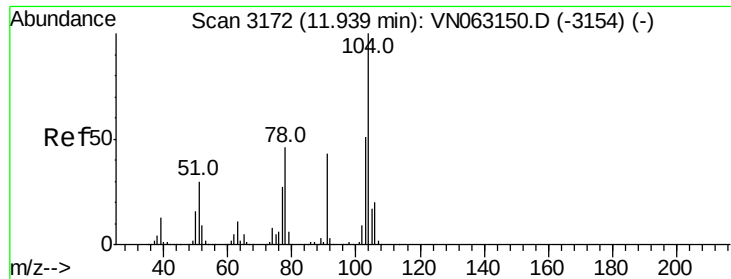
91 221.8 108.6 325.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

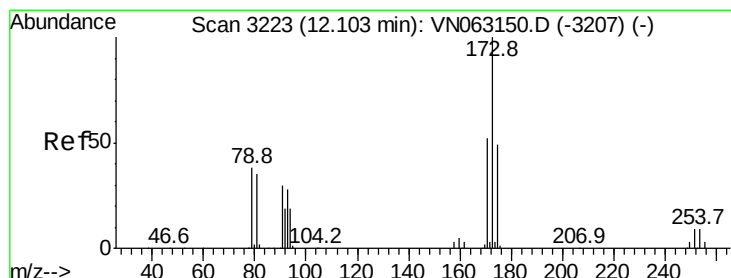
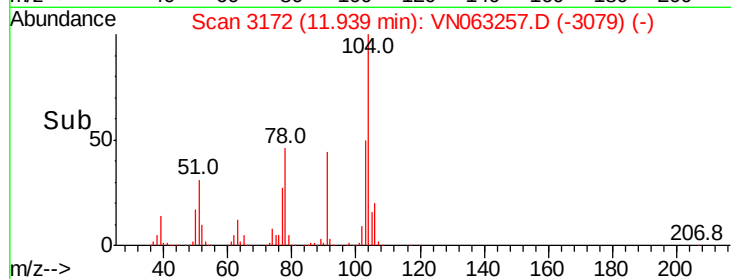
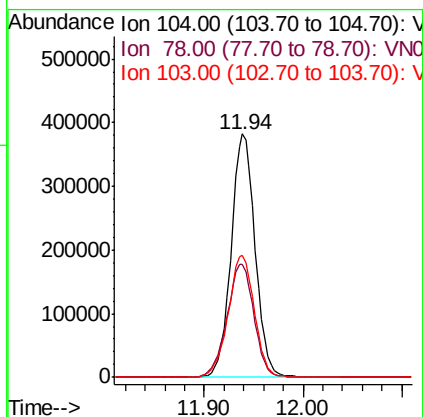
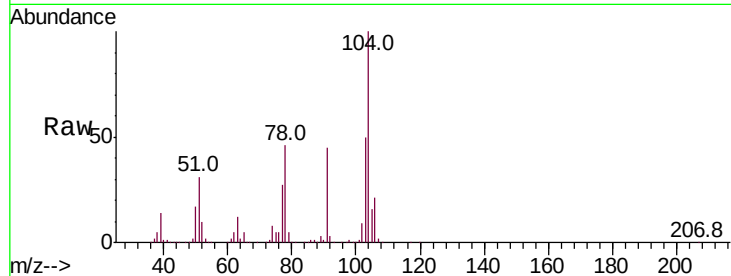




#70
Stvrene
Concen: 51.785 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN063257.D
Acq: 4 Sep 2020 19:00

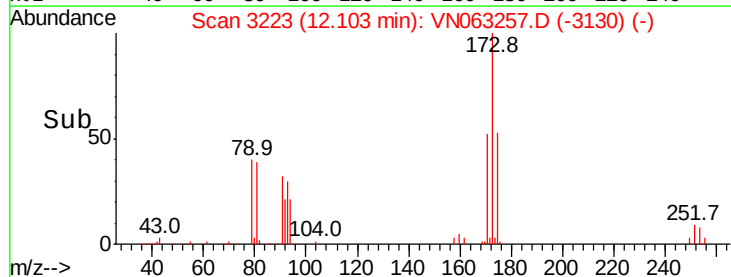
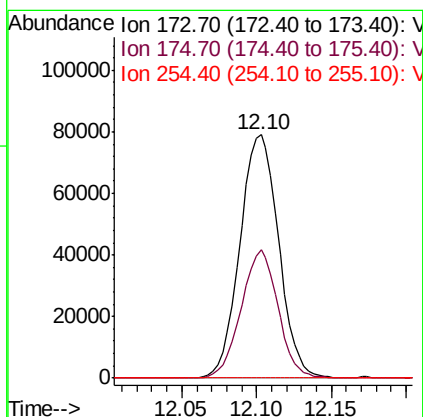
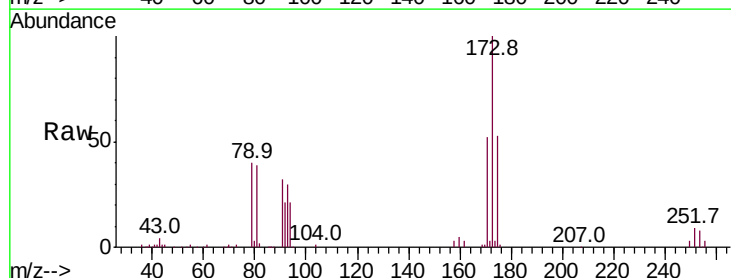
Instrument :
MSVOA_N
ClientSampleId :
SA-MW131I-20200901MSD

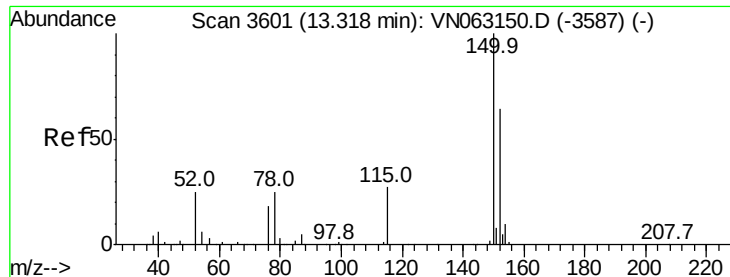
Tot Ion:104 Resp: 647144
Ion Ratio Lower Upper
104 100
78 52.5 41.0 61.6
103 55.0 43.8 65.8



#71
Bromoform
Concen: 50.698 ug/l
RT: 12.10 min Scan# 3223
Delta R.T. 0.00 min
Lab File: VN063257.D
Acq: 4 Sep 2020 19:00

Tgt Ion:173 Resp: 142309
Ion Ratio Lower Upper
173 100
175 50.1 24.6 73.8
254 0.1 0.0 0.0#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

Instrument :

MSVOA_N

ClientSampleId :

SA-MW131I-20200901MSD

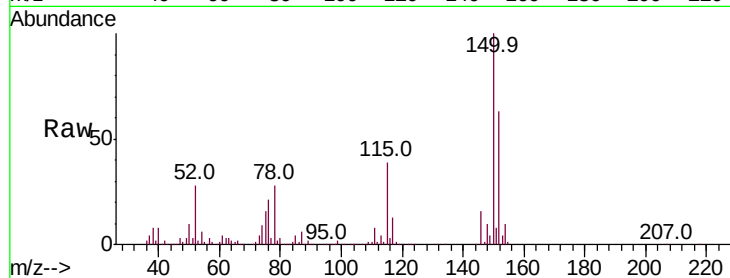
Tot Ion:152 Resp: 255998

Ion Ratio Lower Upper

152 100

115 62.9 32.0 96.2

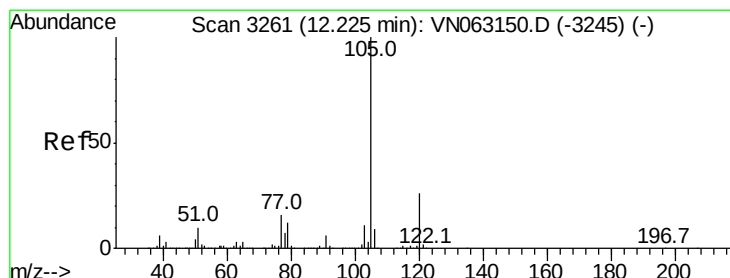
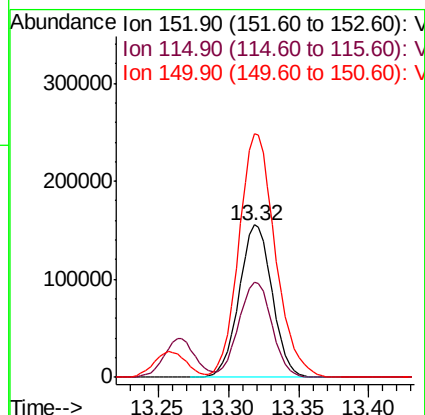
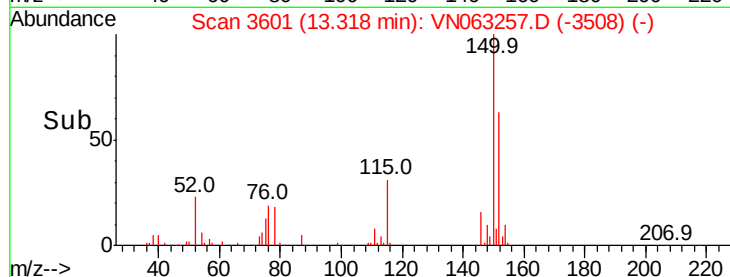
150 174.6 0.0 353.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 50.834 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN063257.D

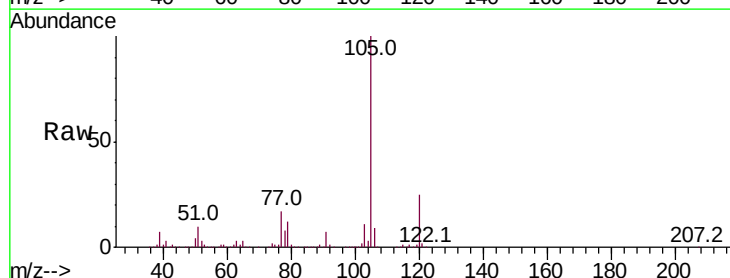
Acq: 4 Sep 2020 19:00

Tgt Ion:105 Resp: 998110

Ion Ratio Lower Upper

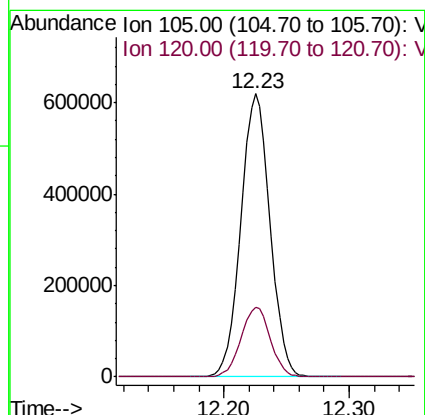
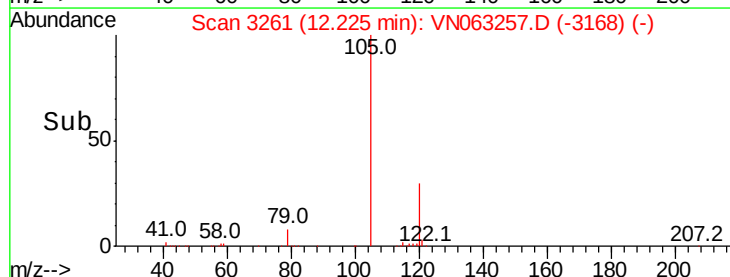
105 100

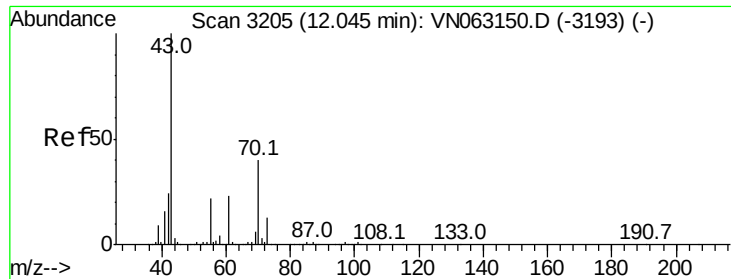
120 24.8 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

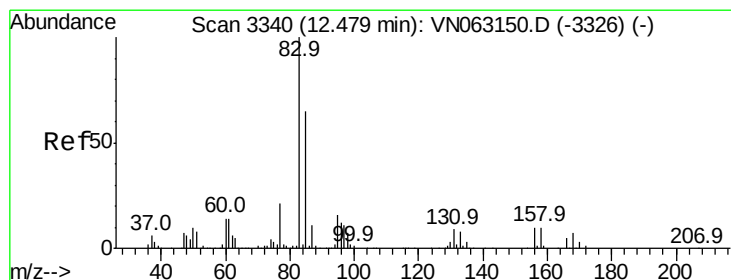
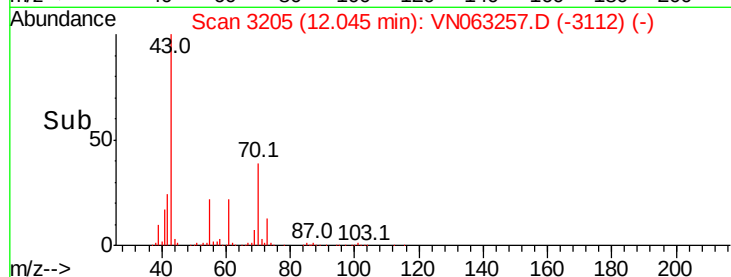
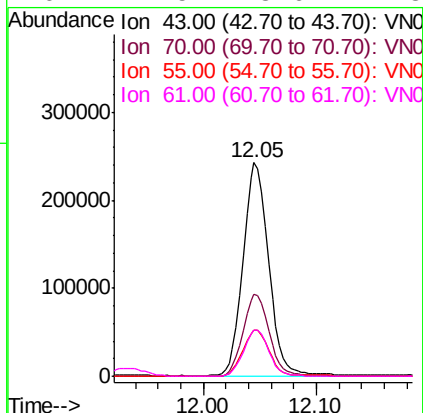
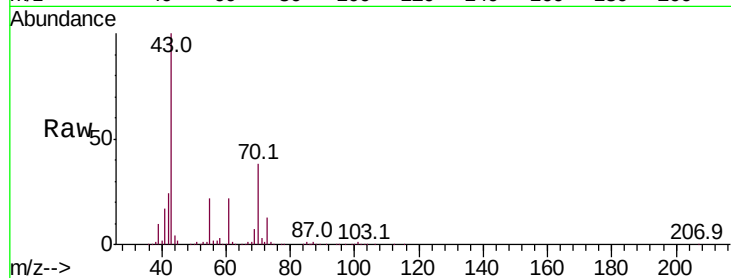




#74
N-amyl acetate
Concen: 47.074 ug/l
RT: 12.05 min Scan# 3205
Delta R.T. 0.00 min
Lab File: VN063257.D
Acq: 4 Sep 2020 19:00

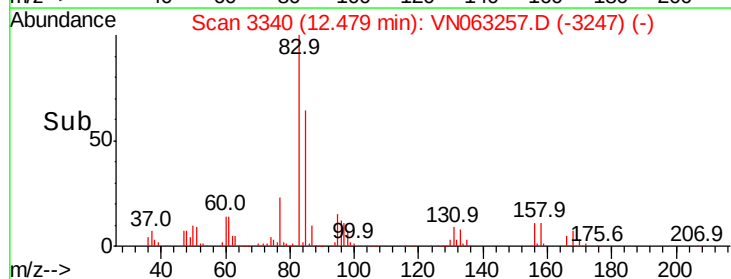
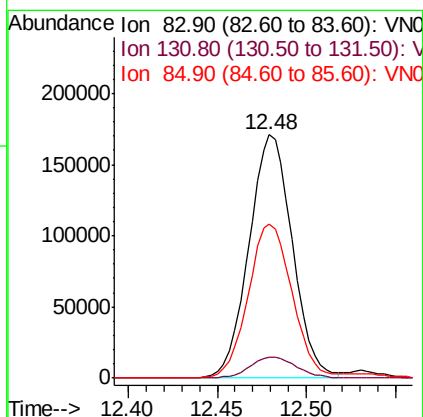
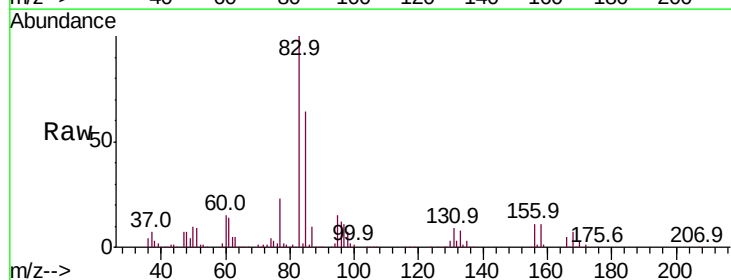
Instrument :
MSVOA_N
ClientSampleId :
SA-MW131I-20200901MSD

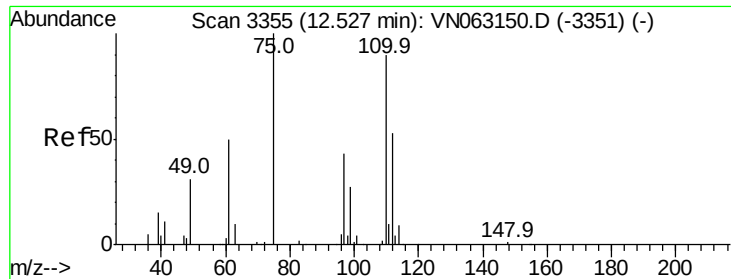
Tot Ion:	43	Resp:	382850
Ion	Ratio	Lower	Upper
43	100		
70	39.5	32.1	48.1
55	22.6	17.4	26.0
61	21.5	18.6	27.8



#75
1,1,2,2-Tetrachloroethane
Concen: 51.212 ug/l
RT: 12.48 min Scan# 3340
Delta R.T. 0.00 min
Lab File: VN063257.D
Acq: 4 Sep 2020 19:00

Tgt Ion:	83	Resp:	289901
Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.7	14.0
85	66.0	32.7	98.1

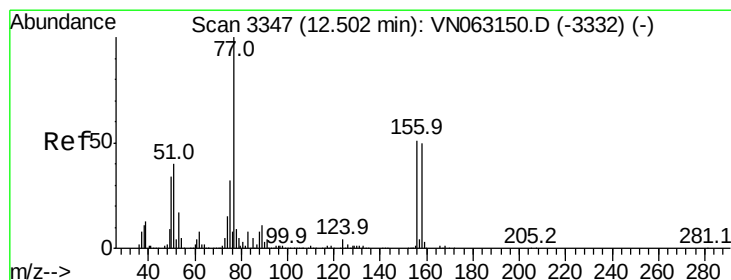
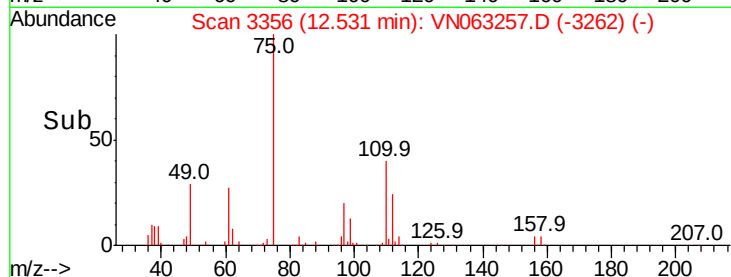
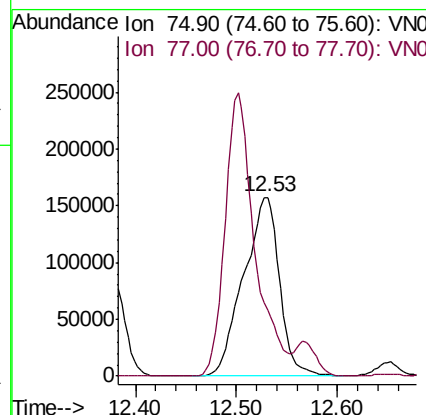
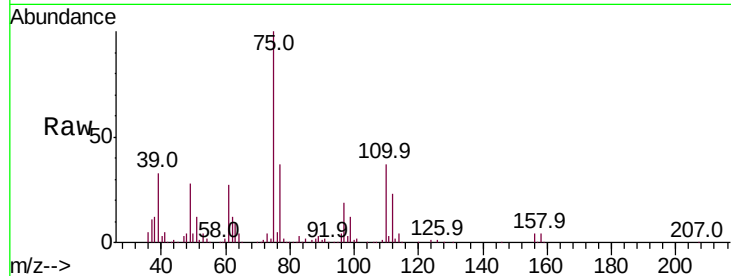




#76
 1,2,3-Trichloropropane
 Concen: 76.945 ug/l
 RT: 12.53 min Scan# 3356
 Delta R.T. 0.00 min
 Lab File: VN063257.D
 Acq: 4 Sep 2020 19:00

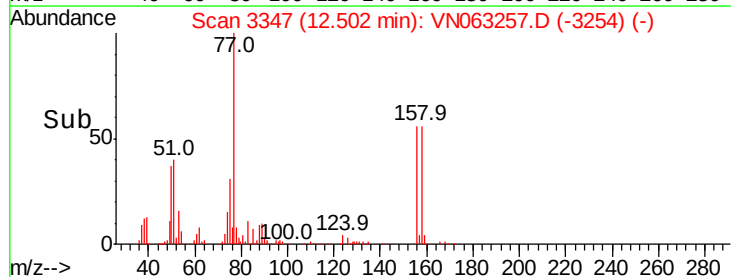
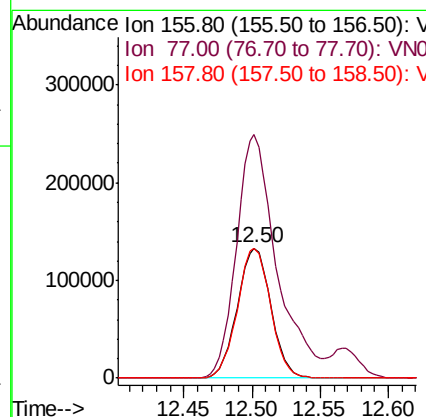
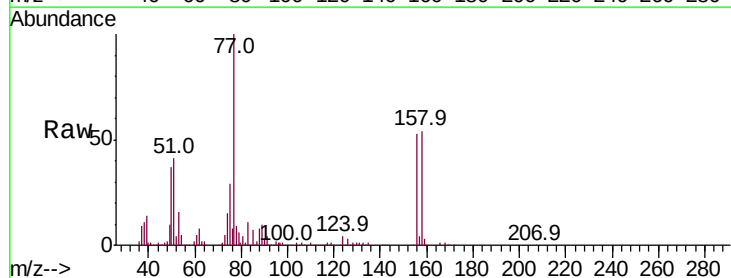
Instrument :
 MSVOA_N
 ClientSampleId :
 SA-MW131I-20200901MSD

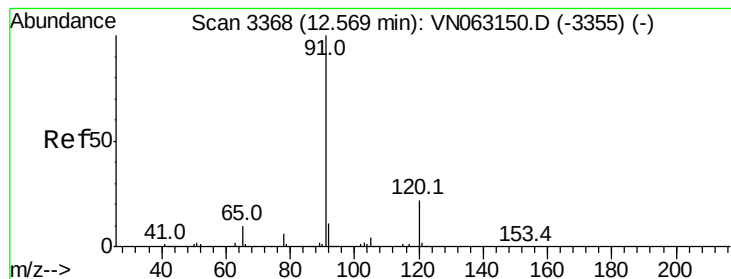
Tot Ion: 75 Resp: 387018
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



#77
 Bromobenzene
 Concen: 51.357 ug/l
 RT: 12.50 min Scan# 3347
 Delta R.T. 0.00 min
 Lab File: VN063257.D
 Acq: 4 Sep 2020 19:00

Tgt Ion: 156 Resp: 228054
 Ion Ratio Lower Upper
 156 100
 77 225.6 116.1 348.3
 158 98.9 48.8 146.4





#78

n-propylbenzene

Concen: 50.788 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

Instrument :

MSVOA_N

ClientSampleId :

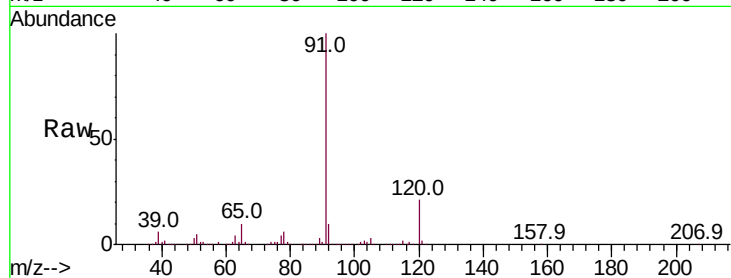
SA-MW131I-20200901MSD

Tot Ion: 91 Resp: 1153942

Ion Ratio Lower Upper

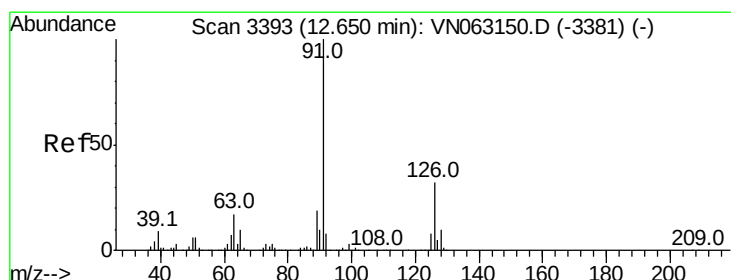
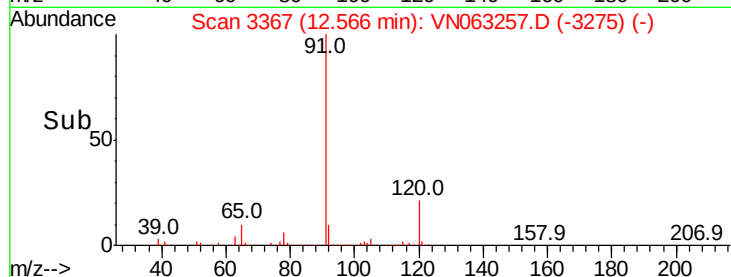
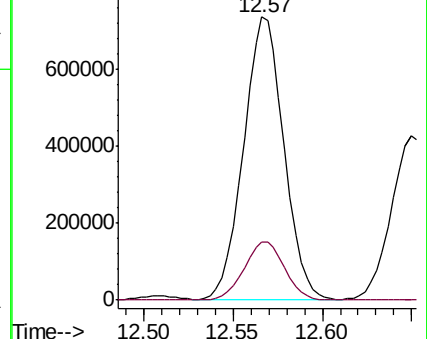
91 100

120 20.9 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 50.675 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN063257.D

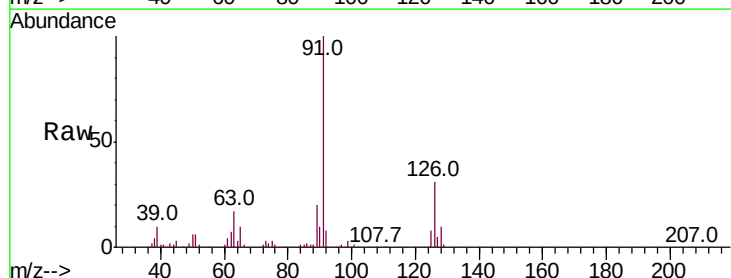
Acq: 4 Sep 2020 19:00

Tgt Ion: 91 Resp: 689607

Ion Ratio Lower Upper

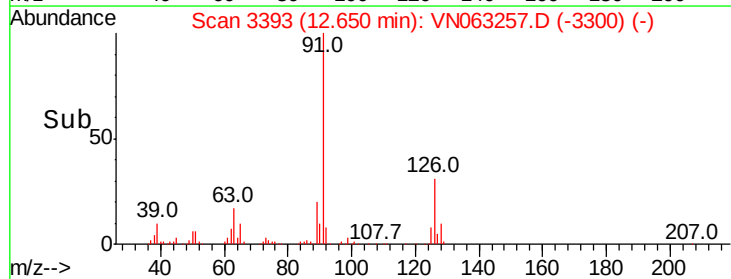
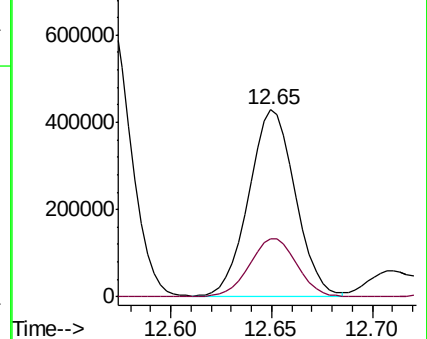
91 100

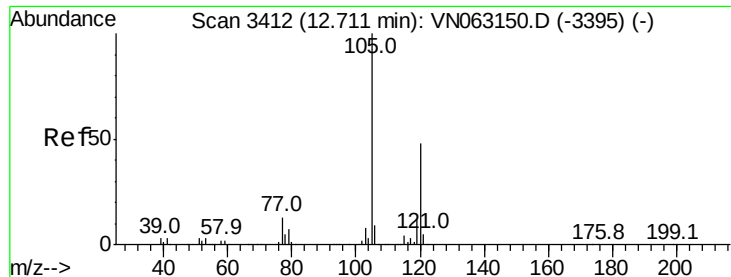
126 32.1 16.1 48.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 50.194 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

Instrument :

MSVOA_N

ClientSampleId :

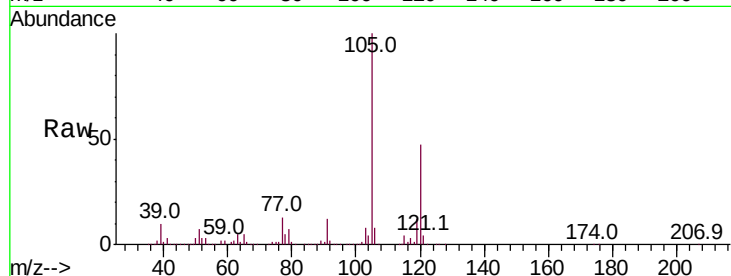
SA-MW131I-20200901MSD

Tot Ion:105 Resp: 820336

Ion Ratio Lower Upper

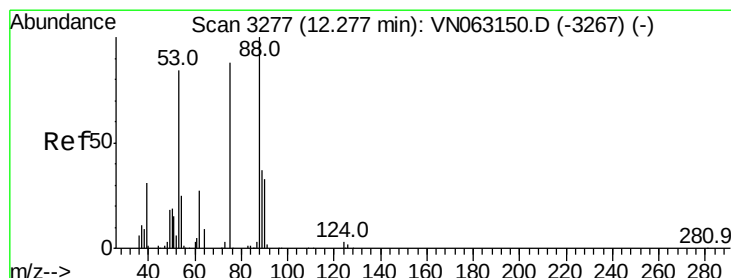
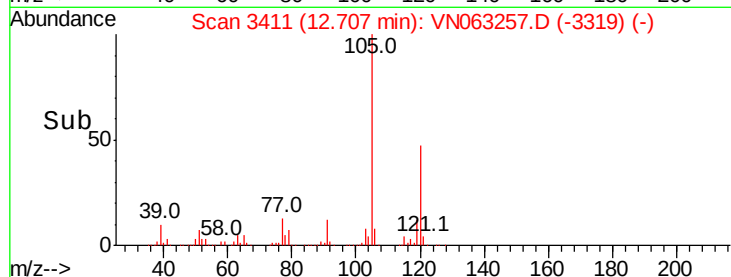
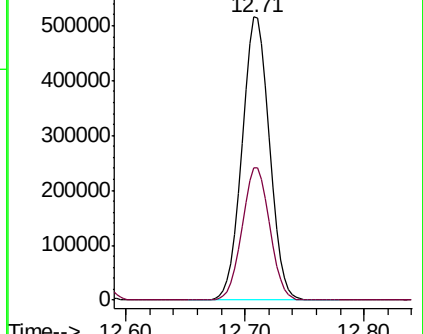
105 100

120 47.1 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 43.892 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

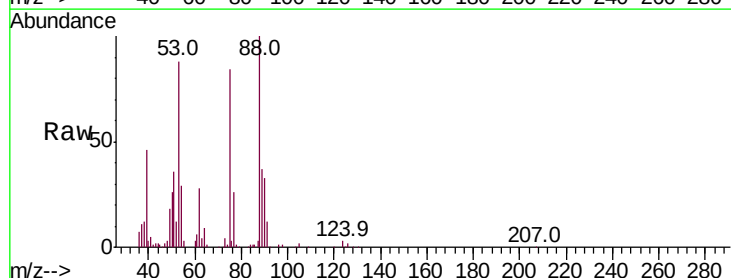
Tgt Ion: 75 Resp: 91340

Ion Ratio Lower Upper

75 100

53 104.5 78.7 118.1

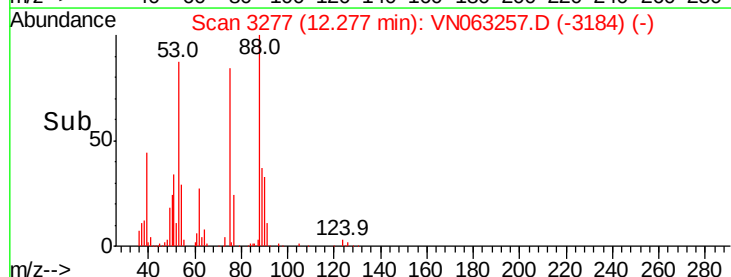
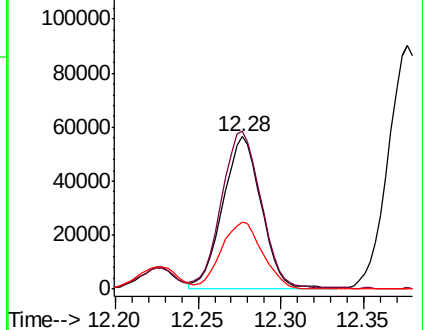
89 46.3 35.3 52.9

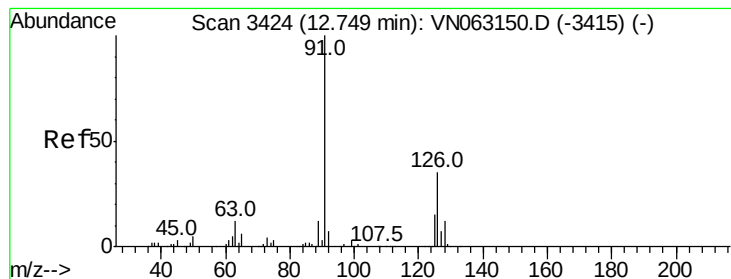


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 53.00 (52.70 to 53.70): V

Ion 88.90 (88.60 to 89.60): V





#82

4-Chlorotoluene

Concen: 50.907 ug/l

RT: 12.75 min Scan# 3424

Delta R.T. 0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

Instrument :

MSVOA_N

ClientSampleId :

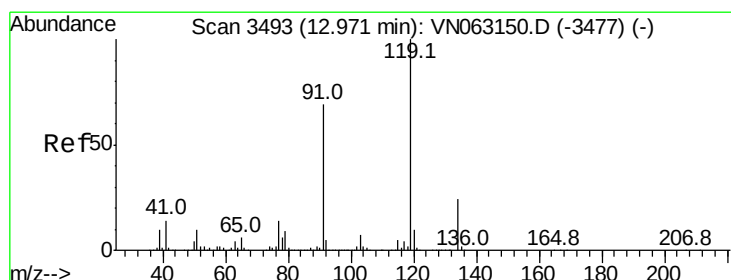
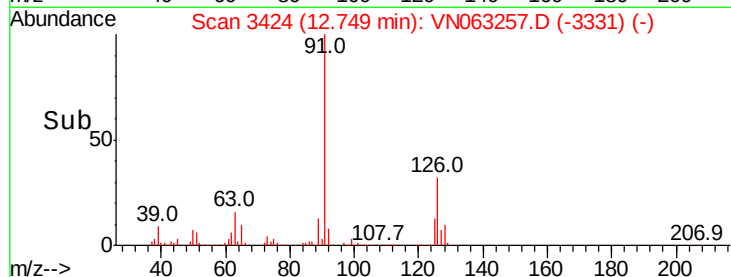
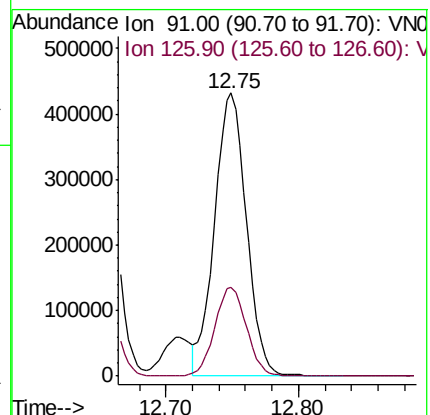
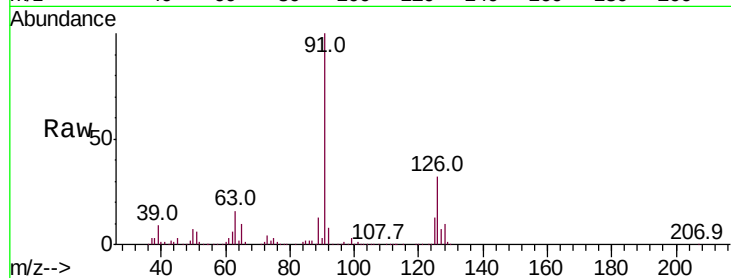
SA-MW131I-20200901MSD

Tot Ion: 91 Resp: 718483

Ion Ratio Lower Upper

91 100

126 31.5 16.2 48.5



#83

tert-Butylbenzene

Concen: 48.055 ug/l

RT: 12.97 min Scan# 3493

Delta R.T. 0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

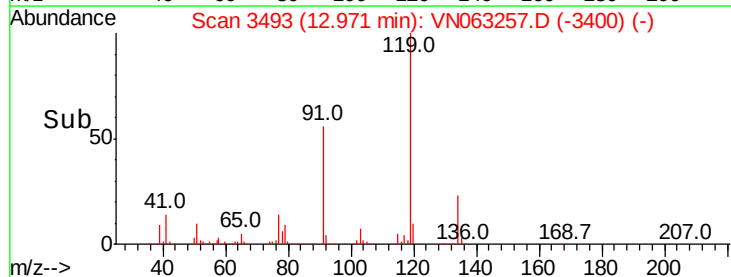
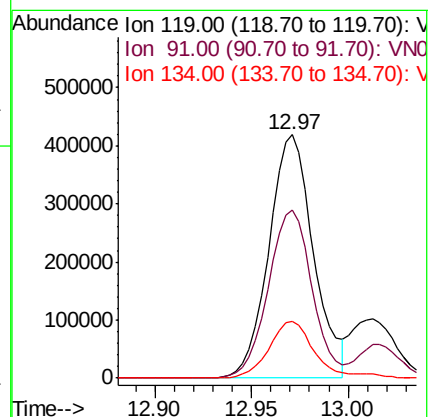
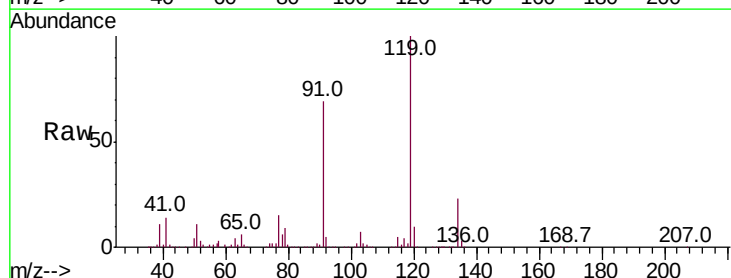
Tgt Ion: 119 Resp: 673560

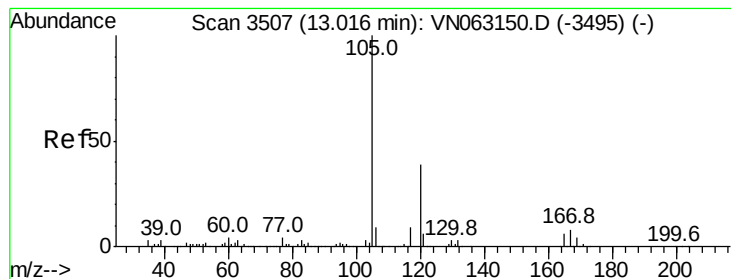
Ion Ratio Lower Upper

119 100

91 67.7 33.7 101.0

134 23.2 12.0 36.0





#84

1,2,4-Trimethylbenzene

Concen: 50.823 ug/l

RT: 13.02 min Scan# 3507

Delta R.T. 0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

Instrument :

MSVOA_N

ClientSampleId :

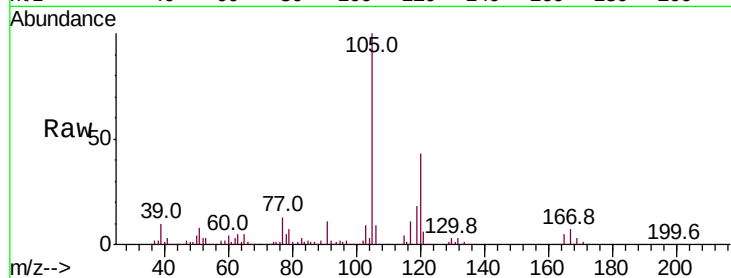
SA-MW131I-20200901MSD

Tot Ion:105 Resp: 837231

Ion Ratio Lower Upper

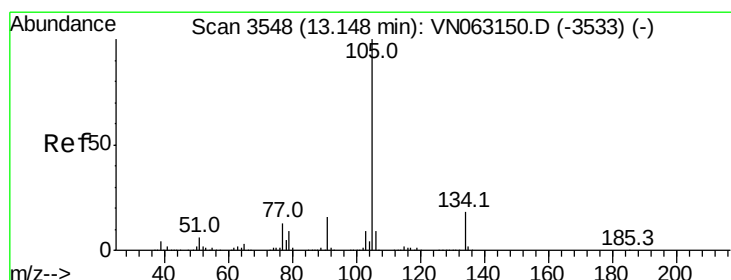
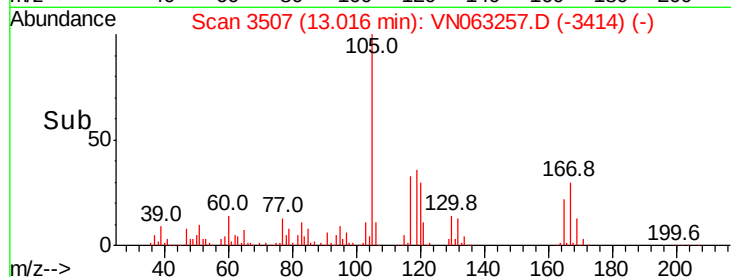
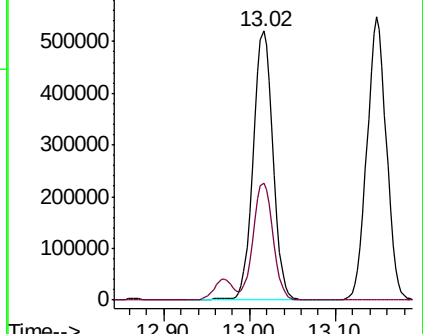
105 100

120 43.4 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 47.433 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN063257.D

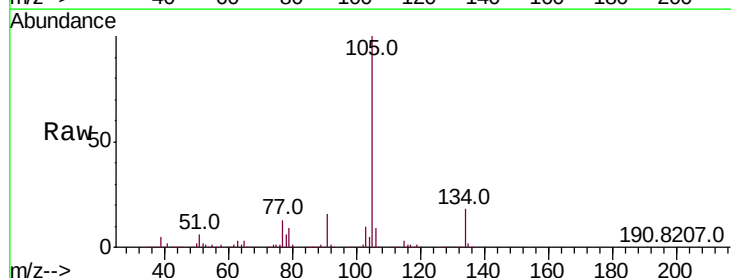
Acq: 4 Sep 2020 19:00

Tgt Ion:105 Resp: 866468

Ion Ratio Lower Upper

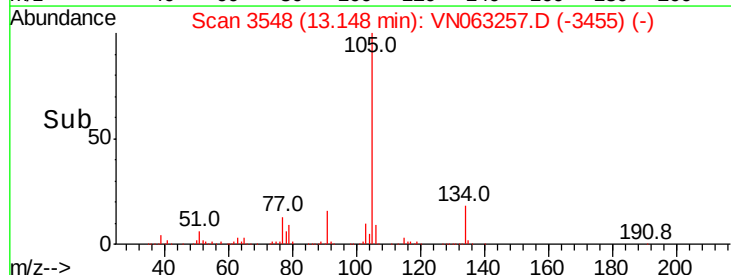
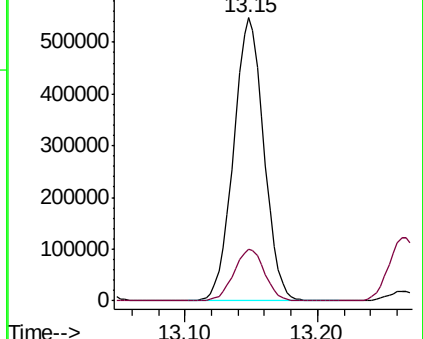
105 100

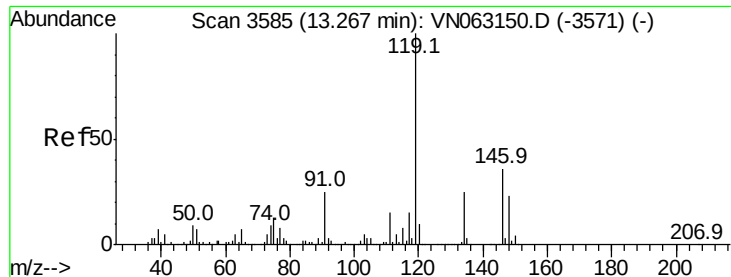
134 18.5 9.4 28.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

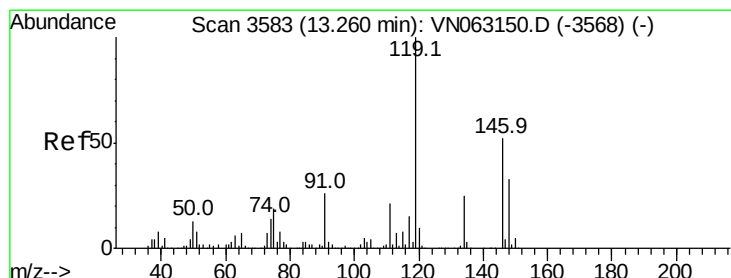
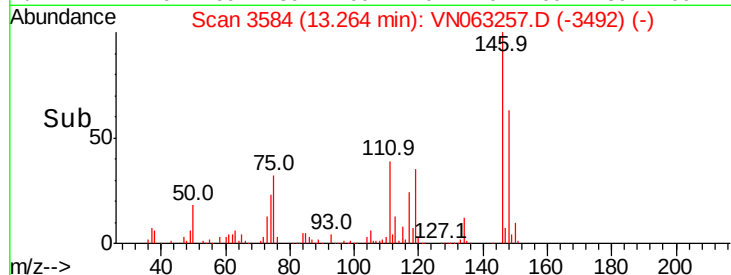
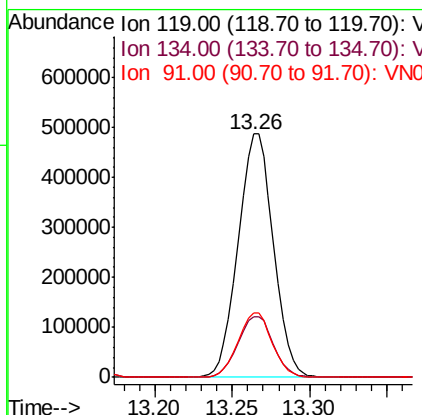
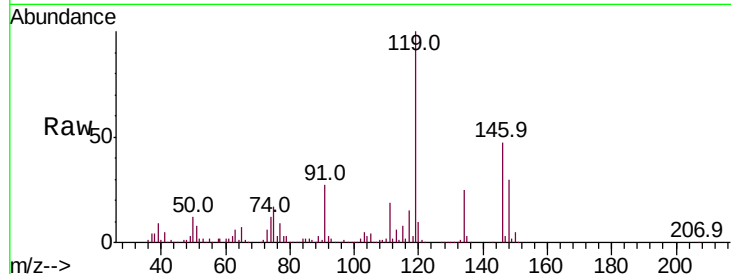




#86
 p-Isopropyltoluene
 Concen: 47.488 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. -0.00 min
 Lab File: VN063257.D
 Acq: 4 Sep 2020 19:00

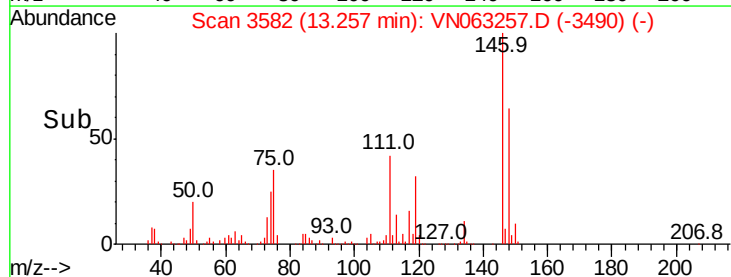
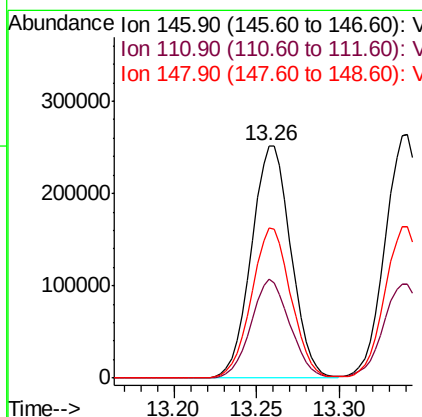
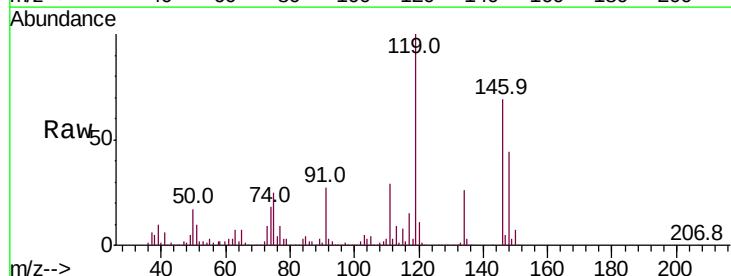
Instrument :
 MSVOA_N
 ClientSampleId :
 SA-MW131I-20200901MSD

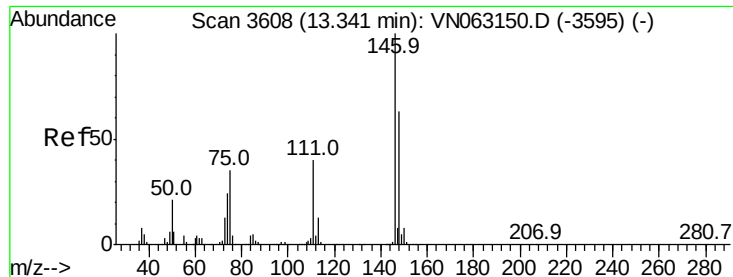
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.3	12.4	37.4
91	25.5	12.2	36.6



#87
 1,3-Dichlorobenzene
 Concen: 51.147 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN063257.D
 Acq: 4 Sep 2020 19:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.3	63.7
148	64.4	31.9	95.9





#88

1,4-Dichlorobenzene

Concen: 50.653 ug/l

RT: 13.34 min Scan# 3608

Delta R.T. 0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

Instrument :

MSVOA_N

ClientSampleId :

SA-MW131I-20200901MSD

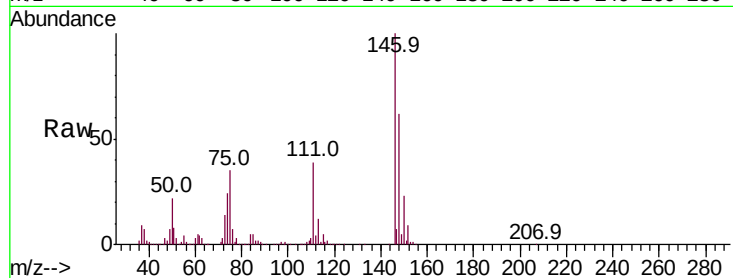
Tot Ion:146 Resp: 427854

Ion Ratio Lower Upper

146 100

111 40.4 20.5 61.5

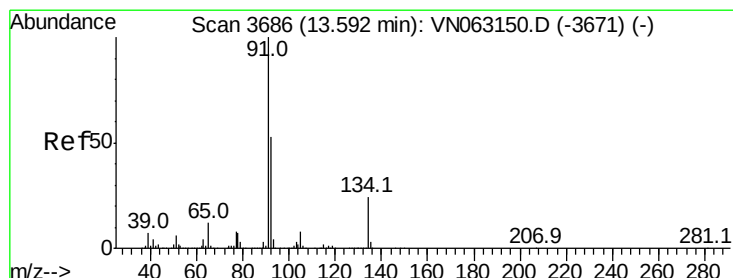
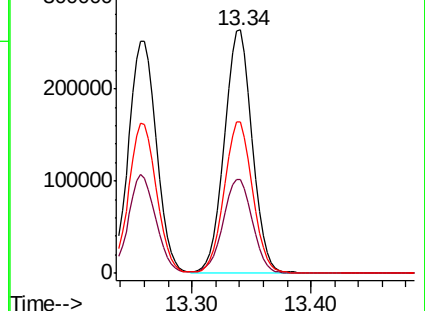
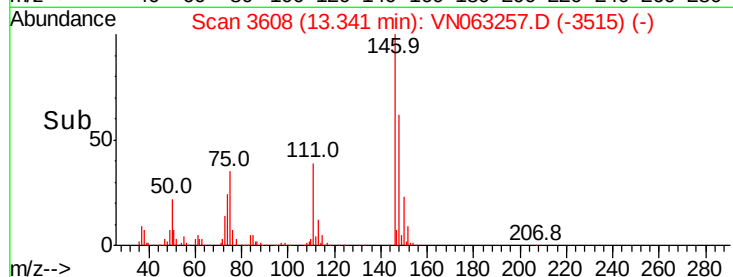
148 63.2 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 44.704 ug/l

RT: 13.59 min Scan# 3686

Delta R.T. 0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

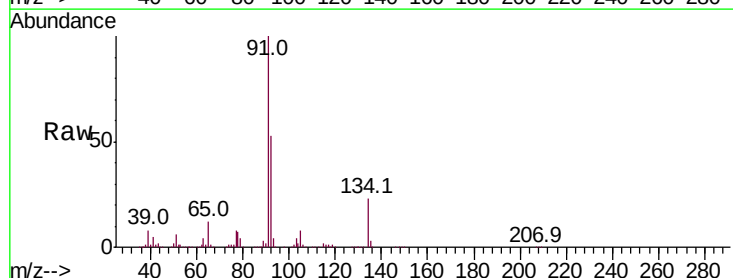
Tgt Ion: 91 Resp: 669787

Ion Ratio Lower Upper

91 100

92 52.9 26.3 78.8

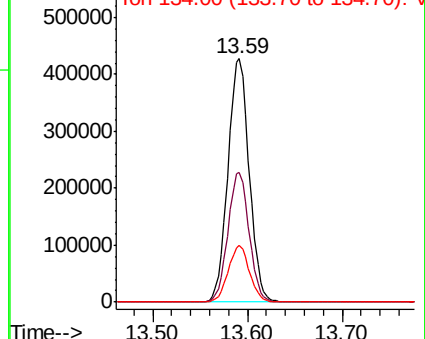
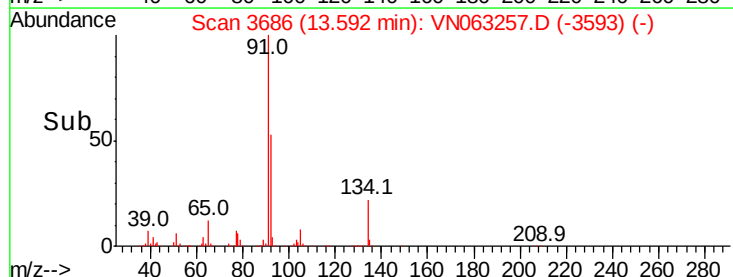
134 23.2 12.0 36.0

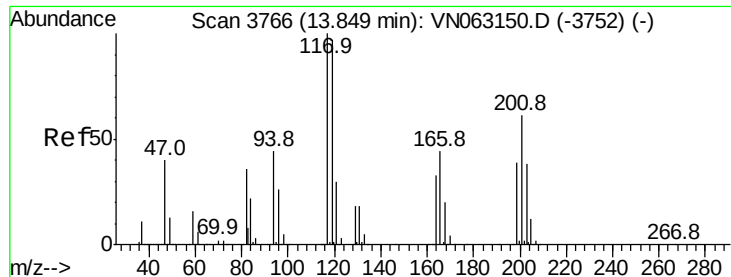


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 45.265 ug/l

RT: 13.85 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

Instrument :

MSVOA_N

ClientSampleId :

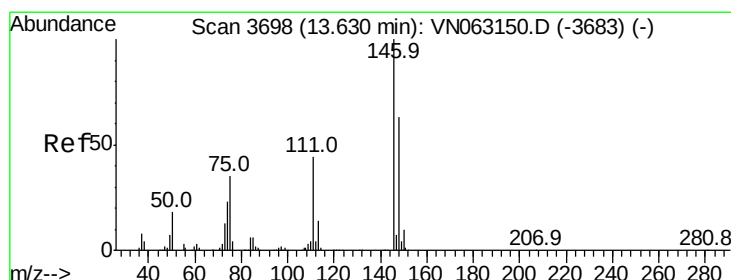
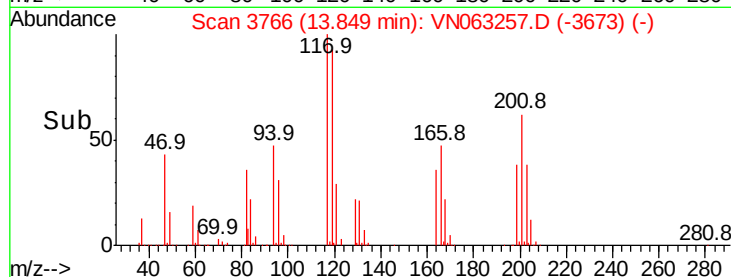
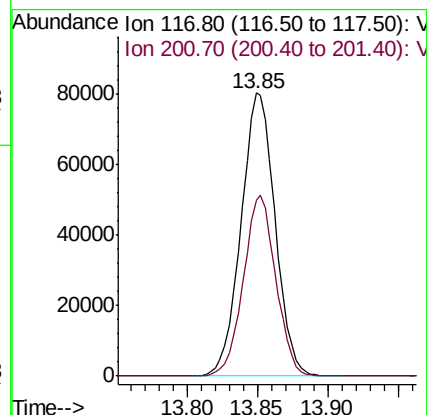
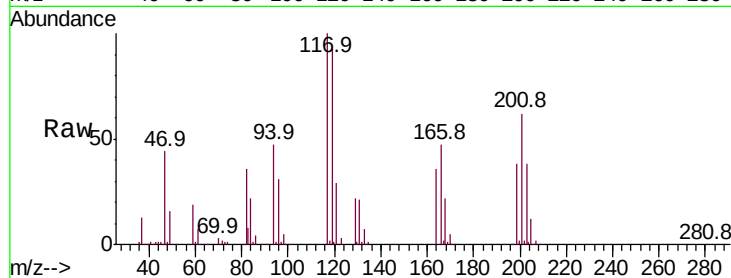
SA-MW131I-20200901MSD

Tot Ion:117 Resp: 135894

Ion Ratio Lower Upper

117 100

201 60.8 30.6 92.0



#91

1,2-Dichlorobenzene

Concen: 54.027 ug/l

RT: 13.63 min Scan# 3698

Delta R.T. 0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

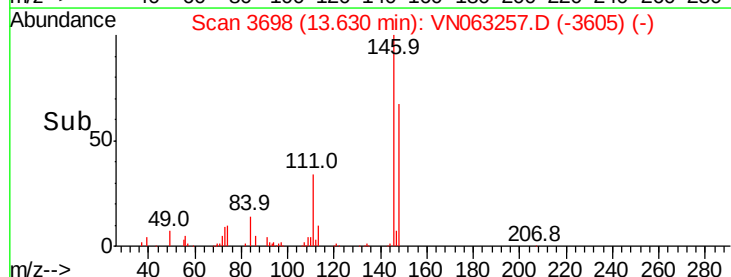
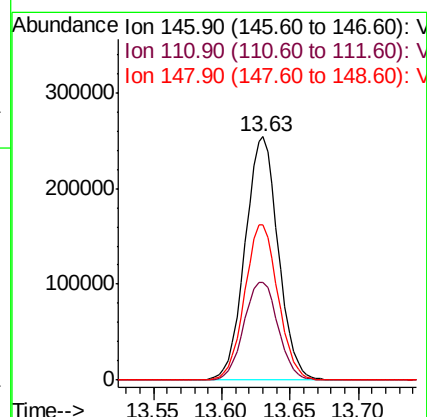
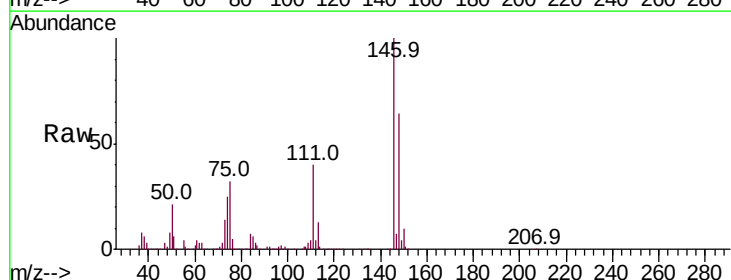
Tgt Ion:146 Resp: 427692

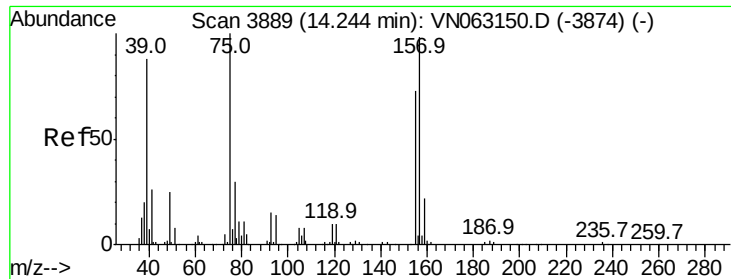
Ion Ratio Lower Upper

146 100

111 41.7 22.0 66.0

148 64.3 31.6 95.0





#92

1,2-Dibromo-3-Chloropropane

Concen: 49.539 ug/l

RT: 14.24 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

Instrument :

MSVOA_N

ClientSampleId :

SA-MW131I-20200901MSD

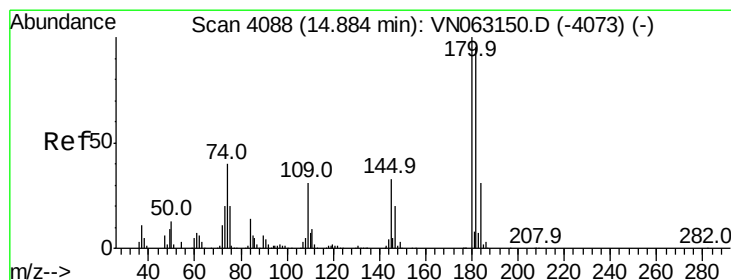
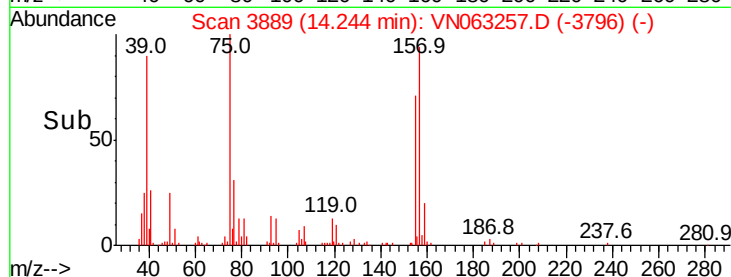
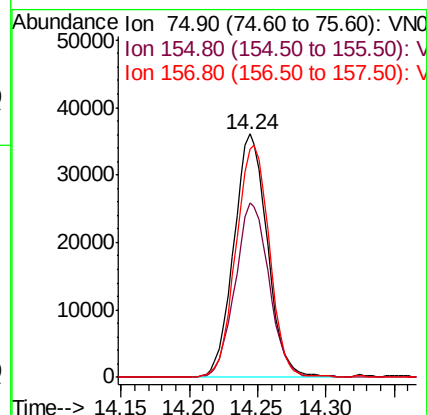
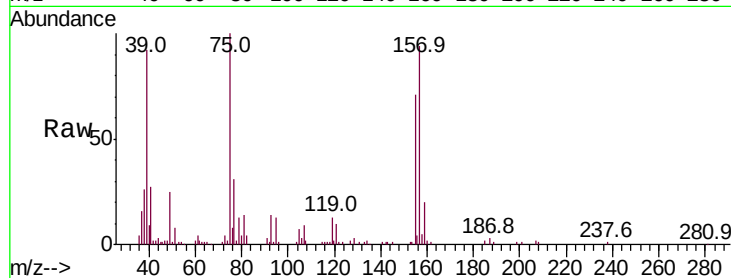
Tot Ion: 75 Resp: 61653

Ion Ratio Lower Upper

75 100

155 72.6 36.1 108.5

157 94.8 48.4 145.0



#93

1,2,4-Trichlorobenzene

Concen: 47.300 ug/l

RT: 14.88 min Scan# 4088

Delta R.T. 0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

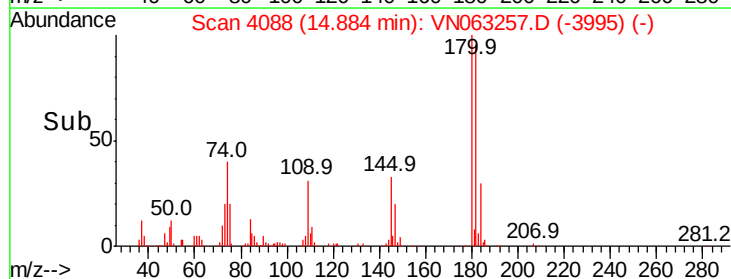
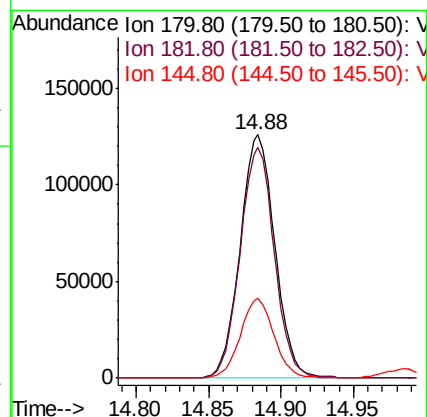
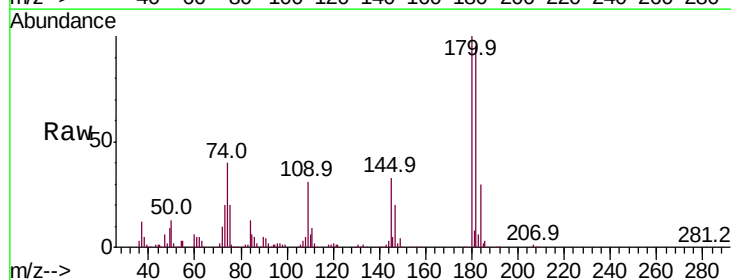
Tgt Ion: 180 Resp: 209194

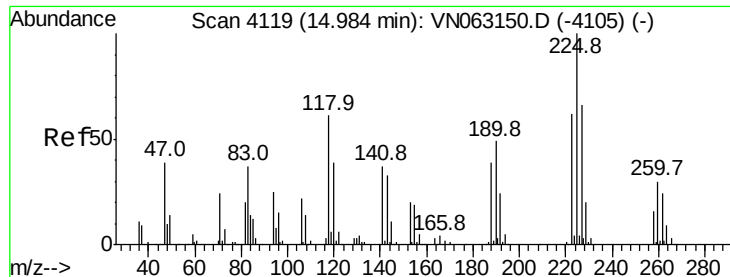
Ion Ratio Lower Upper

180 100

182 93.7 47.5 142.5

145 31.8 16.6 49.8





#94

Hexachlorobutadiene

Concen: 41.482 ug/l

RT: 14.98 min Scan# 4119

Delta R.T. 0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

Instrument :

MSVOA_N

ClientSampleId :

SA-MW131I-20200901MSD

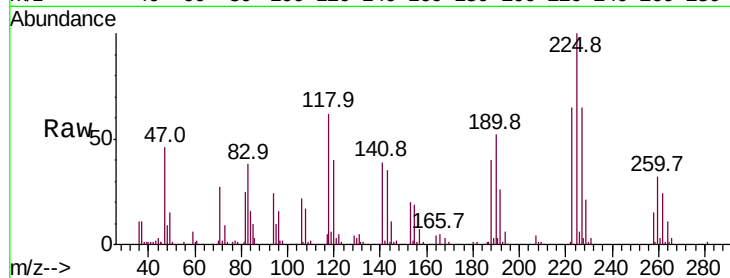
Tot Ion:225 Resp: 68536

Ion Ratio Lower Upper

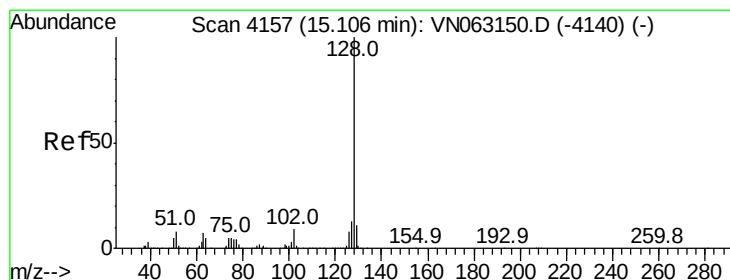
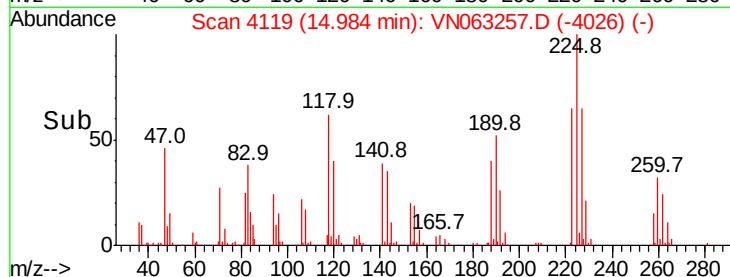
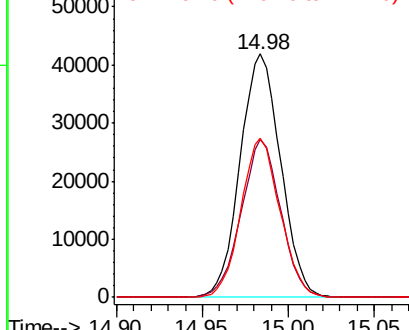
225 100

223 63.3 30.9 92.7

227 62.9 32.9 98.7



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 49.470 ug/l

RT: 15.11 min Scan# 4157

Delta R.T. 0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

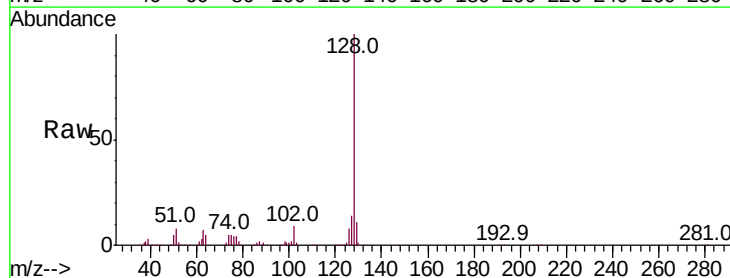
Tgt Ion:128 Resp: 729954

Ion Ratio Lower Upper

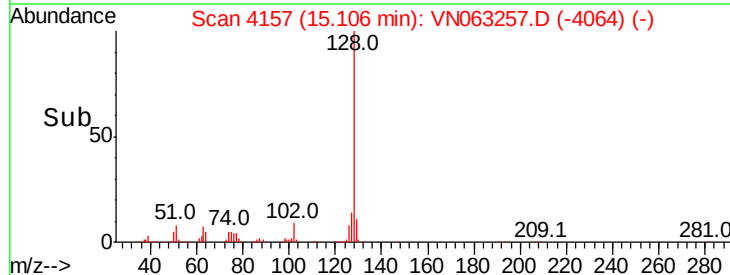
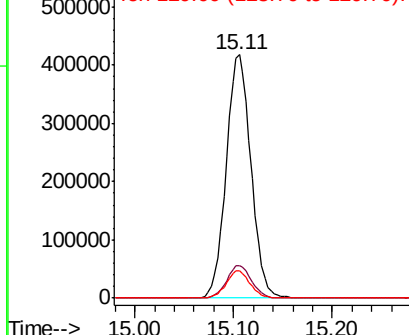
128 100

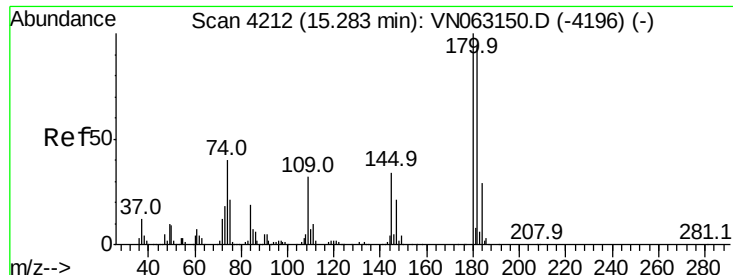
127 13.3 10.5 15.7

129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96

1,2,3-Trichlorobenzene

Concen: 47.100 ug/l

RT: 15.29 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

Instrument :

MSVOA_N

ClientSampleId :

SA-MW131I-20200901MSD

Tot Ion:180 Resp: 202947

Ion Ratio Lower Upper

180 100

182 95.4 47.5 142.5

145 35.4 17.3 52.0

