

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091720\
 Data File : VN063409.D
 Acq On : 17 Sep 2020 11:01
 Operator : JC/MD
 Sample : VN0917MBL01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917MBL01

Quant Time: Sep 18 02:47:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	263310	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	487534	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	473978	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	199956	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	215025	47.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.94%	
35) Dibromofluoromethane	7.55	113	158008	46.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.64%	
50) Toluene-d8	10.06	98	626382	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	
62) 4-Bromofluorobenzene	12.38	95	241779	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	

Target Compounds

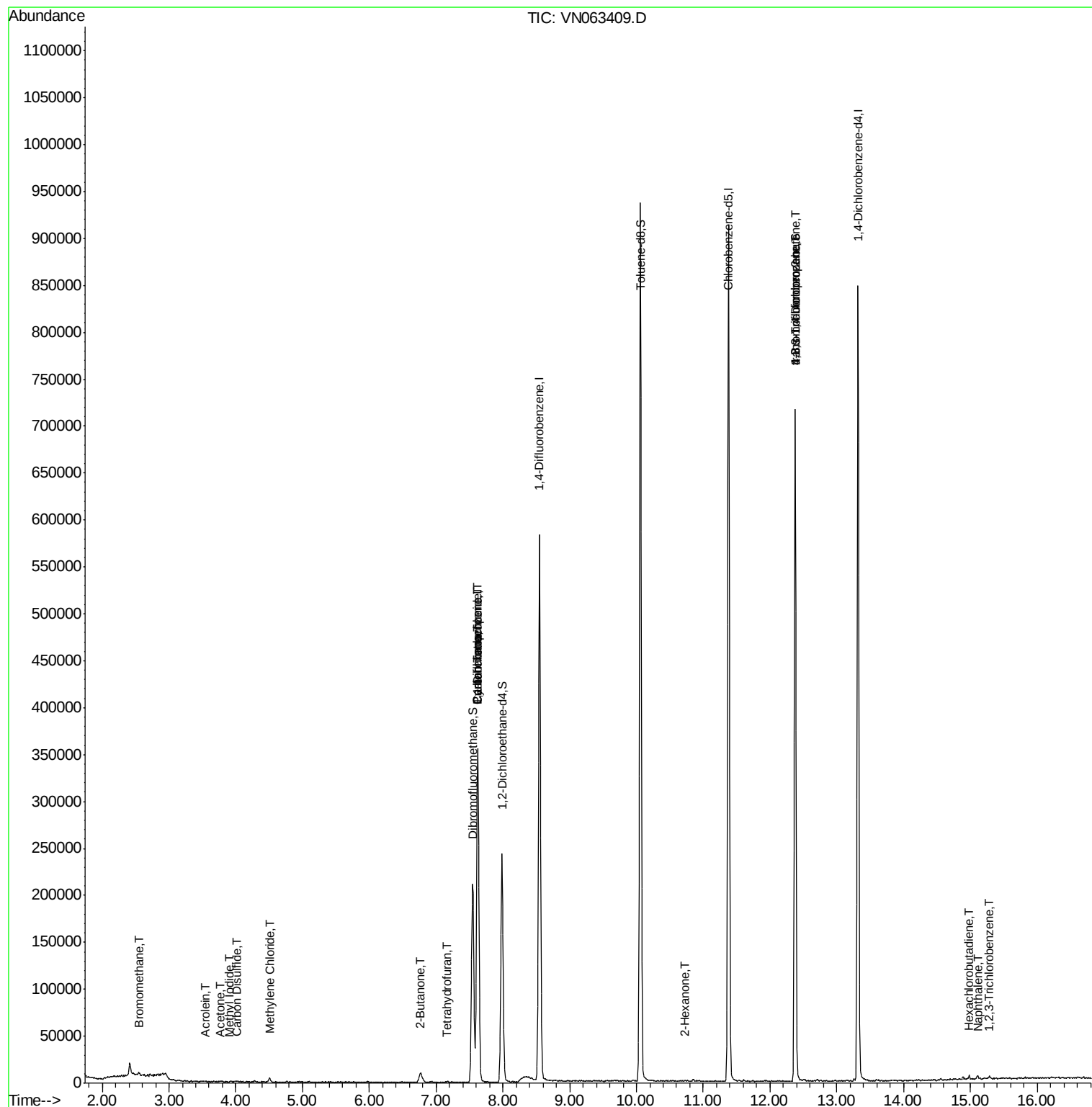
						Qvalue
5) Bromomethane	2.54	94	438	0.211	ug/l	92
10) Methyl Iodide	3.91	142	1161	0.304	ug/l #	76
13) Acrolein	3.55	56	102	0.443	ug/l #	74
16) Acetone	3.77	43	289	0.201	ug/l #	47
17) Carbon Disulfide	4.02	76	2116	0.245	ug/l #	75
20) Methylene Chloride	4.50	84	1219	0.334	ug/l #	92
25) 2-Butanone	6.76	43	863	0.390	ug/l #	51
29) Tetrahydrofuran	7.17	42	368	0.243	ug/l #	36
31) Cyclohexane	7.63	56	7710	1.245	ug/l #	29
36) 1,1-Dichloropropene	7.62	75	23974	4.616	ug/l #	52
38) Carbon Tetrachloride	7.62	117	29774	5.616	ug/l #	17
59) 2-Hexanone	10.73	43	862	0.233	ug/l	70
76) 1,2,3-Trichloropropane	12.38	75	134656	27.208	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	134656	74.593	ug/l #	7
94) Hexachlorobutadiene	14.99	225	354	0.221	ug/l	76
95) Naphthalene	15.11	128	3650	0.286	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.28	180	919	0.246	ug/l	95

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 16 13:05:20 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN063409.D

Acq: 17 Sep 2020 11:01

Instrument :

MSVOA_N

ClientSampleId :

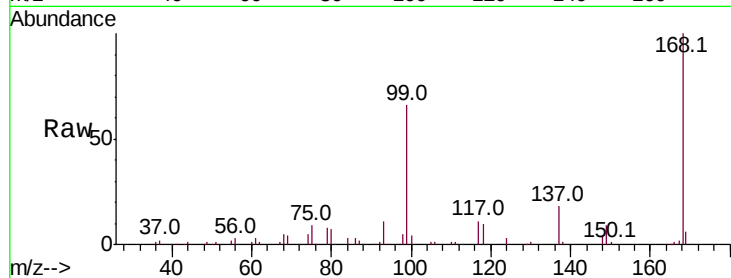
VN0917MBL01

Tot Ion:168 Resp: 263310

Ion Ratio Lower Upper

168 100

99 66.0 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

120000

100000

80000

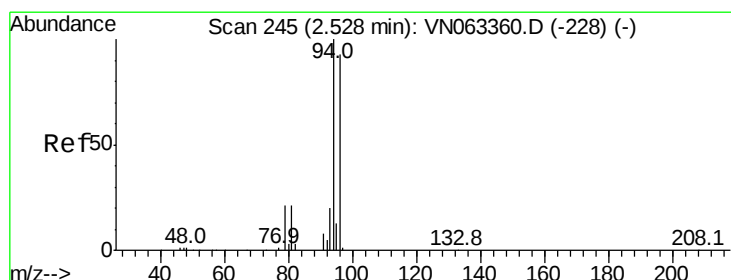
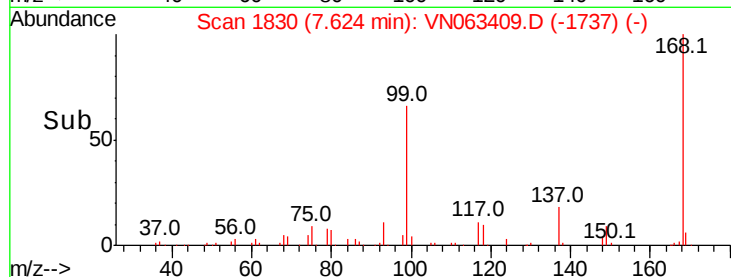
60000

40000

20000

0

Time--> 7.50 7.55 7.60 7.65 7.70



#5

Bromomethane

Concen: 0.211 ug/l

RT: 2.54 min Scan# 250

Delta R.T. 0.02 min

Lab File: VN063409.D

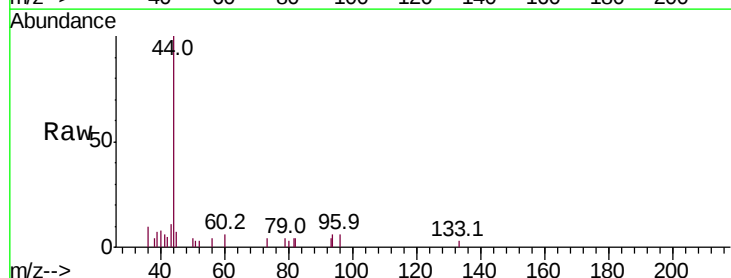
Acq: 17 Sep 2020 11:01

Tgt Ion: 94 Resp: 438

Ion Ratio Lower Upper

94 100

96 100.3 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): V

Ion 95.90 (95.60 to 96.60): VN

2.54

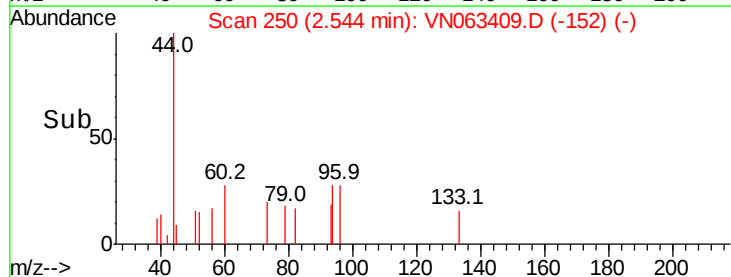
300

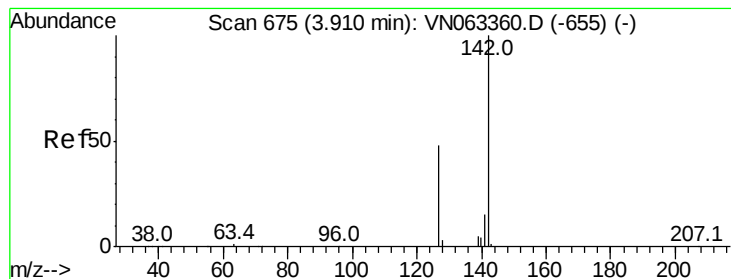
200

100

0

Time--> 2.52 2.54 2.56





#10

Methvl Iodide

Concen: 0.304 ug/l

RT: 3.91 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN063409.D

Acq: 17 Sep 2020 11:01

Instrument :

MSVOA_N

ClientSampleId :

VN0917MBL01

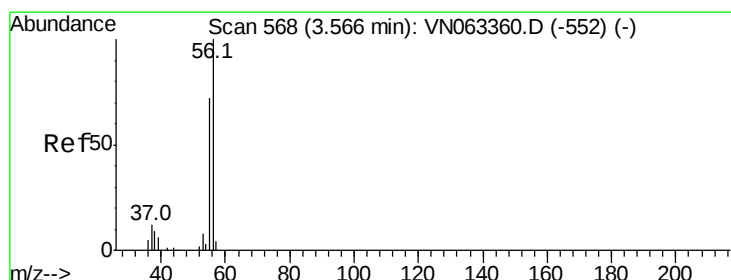
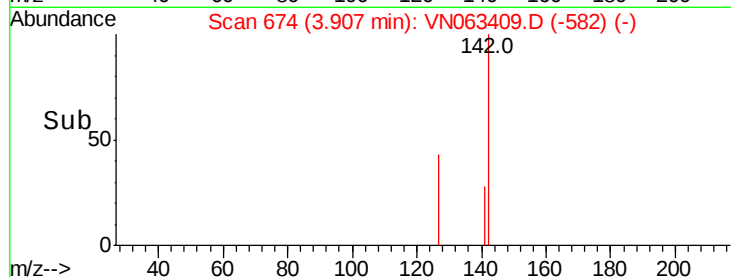
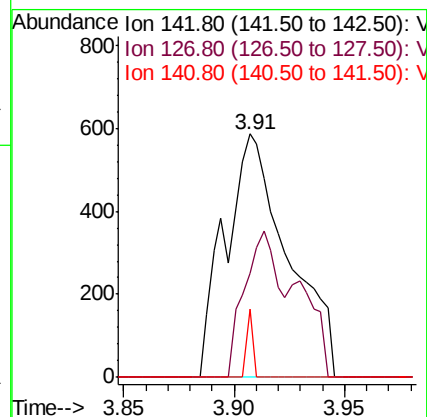
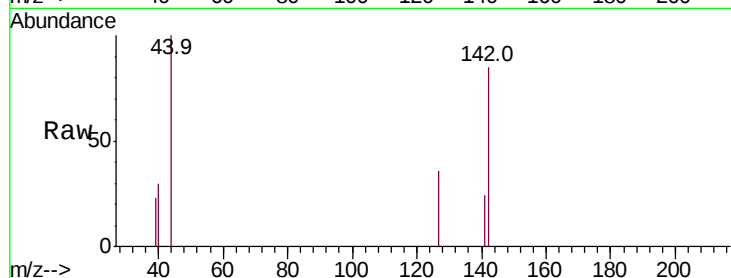
Tot Ion:142 Resp: 1161

Ion Ratio Lower Upper

142 100

127 33.2 39.0 58.6#

141 2.7 11.6 17.4#



#13

Acrolein

Concen: 0.443 ug/l

RT: 3.55 min Scan# 564

Delta R.T. -0.01 min

Lab File: VN063409.D

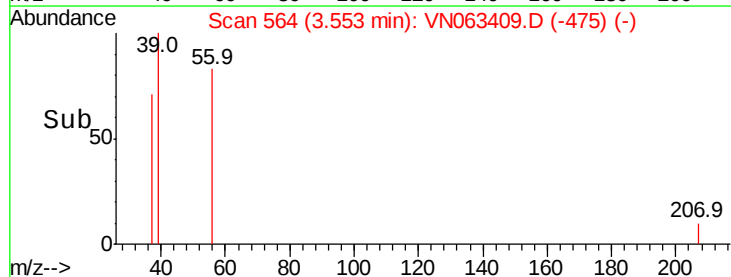
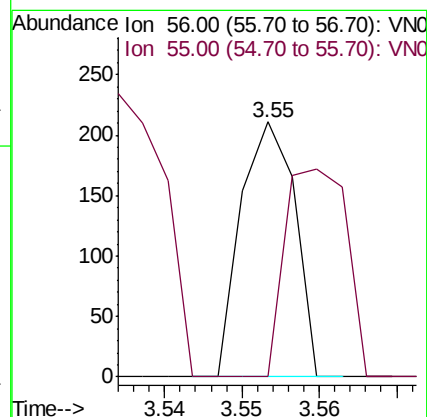
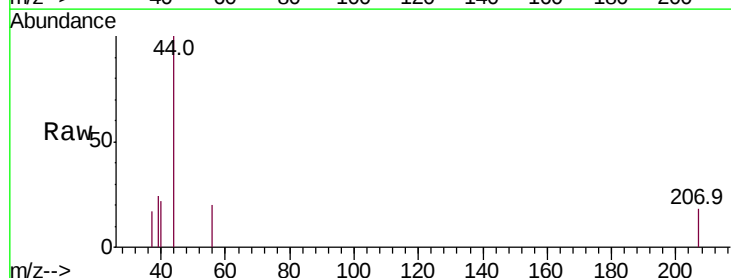
Acq: 17 Sep 2020 11:01

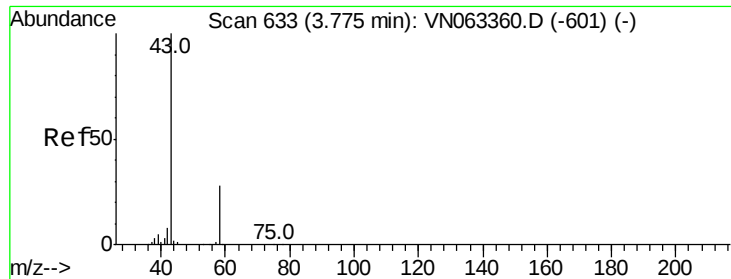
Tgt Ion: 56 Resp: 102

Ion Ratio Lower Upper

56 100

55 94.1 58.2 87.2#

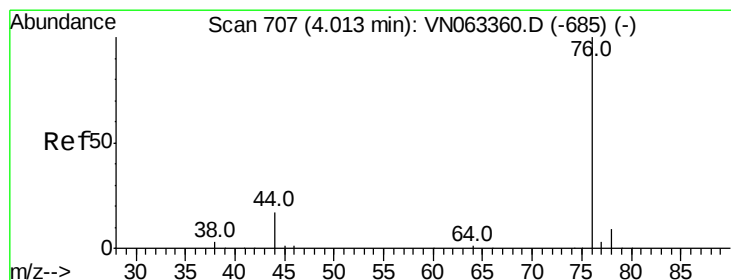
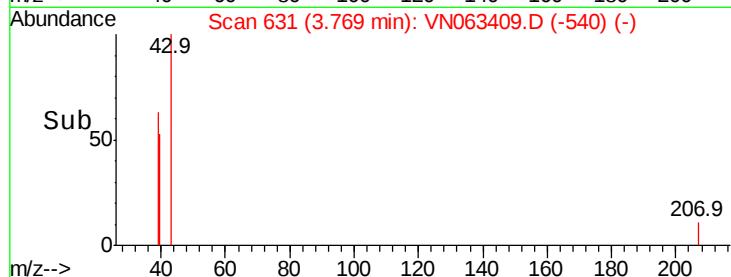
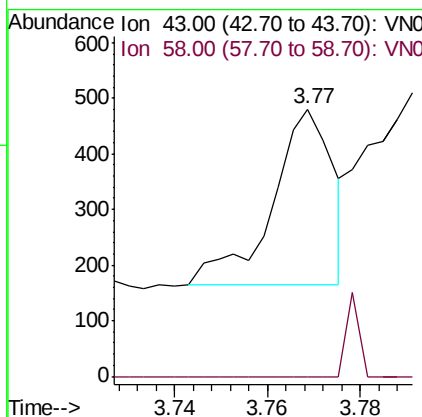
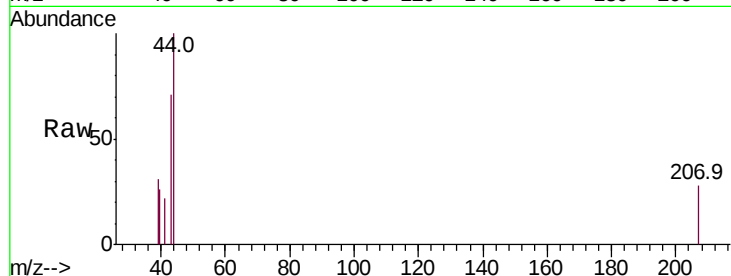




#16
Acetone
Concen: 0.201 ug/l
RT: 3.77 min Scan# 631
Delta R.T. -0.01 min
Lab File: VN063409.D
Acq: 17 Sep 2020 11:01

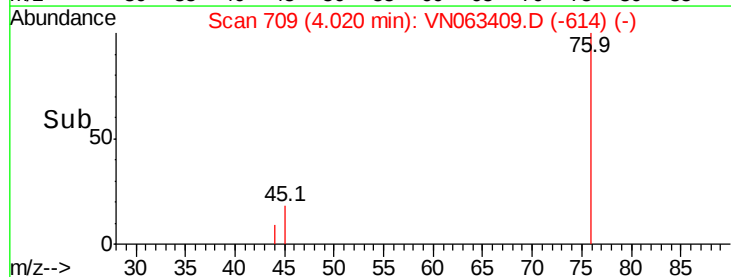
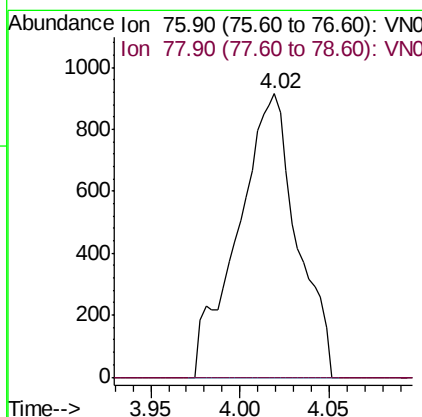
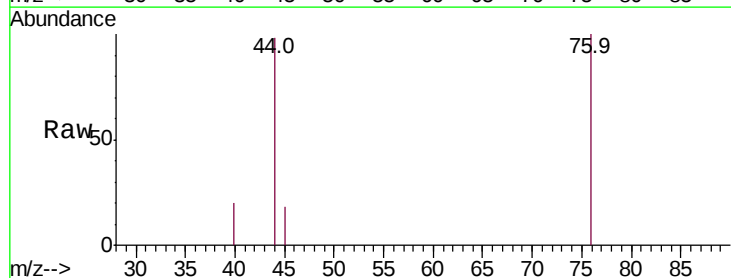
Instrument :
MSVOA_N
ClientSampled :
VN0917MBL01

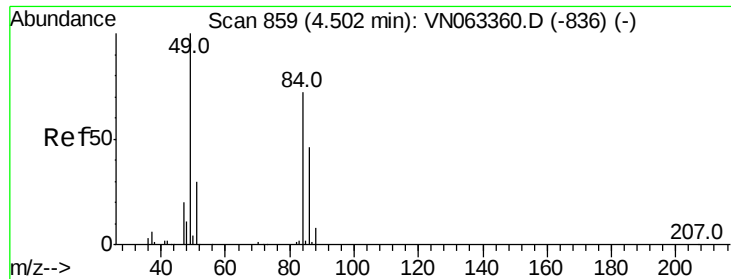
Tot Ion: 43 Resp: 289
Ion Ratio Lower Upper
43 100
58 0.0 22.3 33.5#



#17
Carbon Disulfide
Concen: 0.245 ug/l
RT: 4.02 min Scan# 709
Delta R.T. 0.01 min
Lab File: VN063409.D
Acq: 17 Sep 2020 11:01

Tgt Ion: 76 Resp: 2116
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#





#20

Methvlene Chloride

Concen: 0.334 ug/l

RT: 4.50 min Scan# 859

Delta R.T. -0.00 min

Lab File: VN063409.D

Acq: 17 Sep 2020 11:01

Instrument :

MSVOA_N

ClientSampleId :

VN0917MBL01

Tot Ion: 84 Resp: 1219

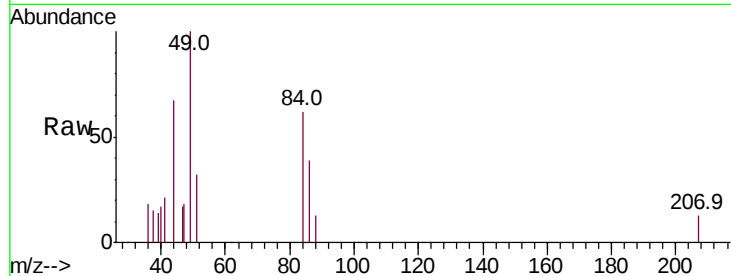
Ion Ratio Lower Upper

84 100

49 128.2 110.7 166.1

51 51.3 32.9 49.3#

86 62.2 51.1 76.7

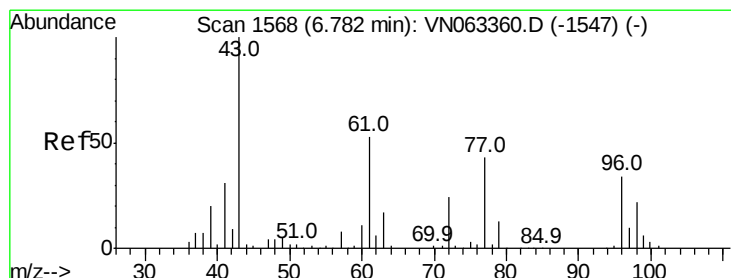
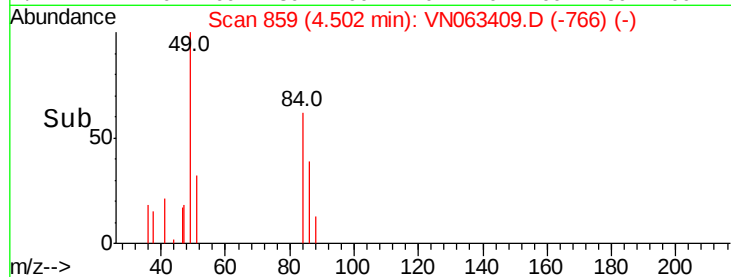
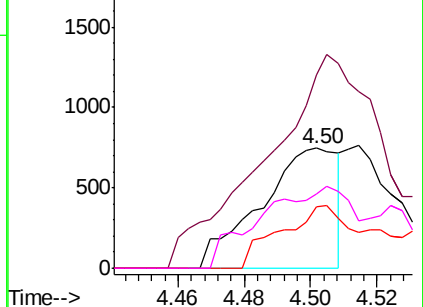


Abundance Ion 83.90 (83.60 to 84.60): VNC

Ion 48.90 (48.60 to 49.60): VNC

Ion 50.90 (50.60 to 51.60): VNC

Ion 85.90 (85.60 to 86.60): VNC



#25

2-Butanone

Concen: 0.390 ug/l

RT: 6.76 min Scan# 1562

Delta R.T. -0.02 min

Lab File: VN063409.D

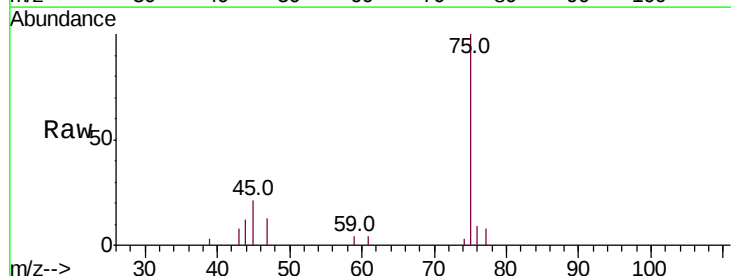
Acq: 17 Sep 2020 11:01

Tgt Ion: 43 Resp: 863

Ion Ratio Lower Upper

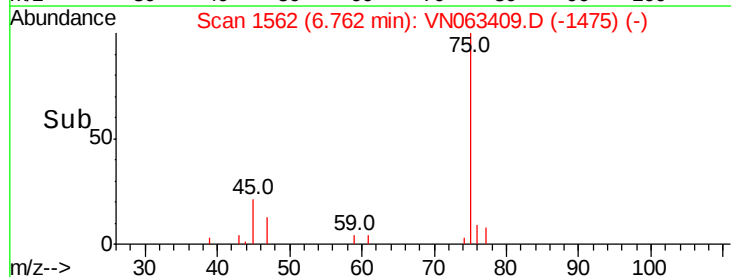
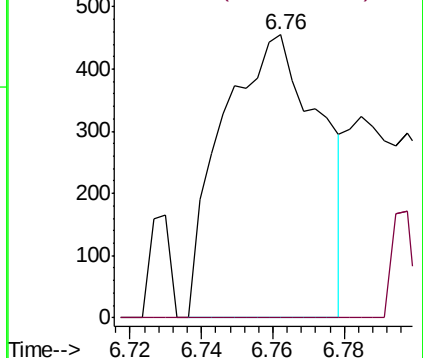
43 100

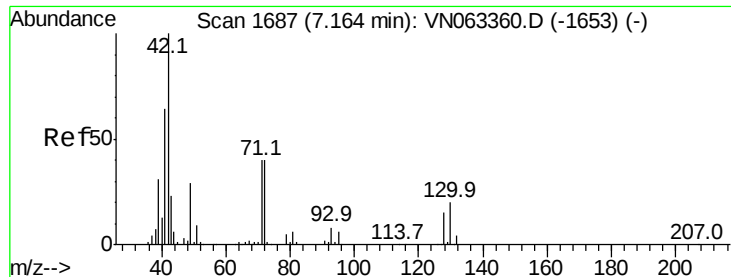
72 0.0 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 72.00 (71.70 to 72.70): VNC





#29

Tetrahydrofuran

Concen: 0.243 ug/l

RT: 7.17 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VN063409.D

Acq: 17 Sep 2020 11:01

Instrument :

MSVOA_N

ClientSampleId :

VN0917MBL01

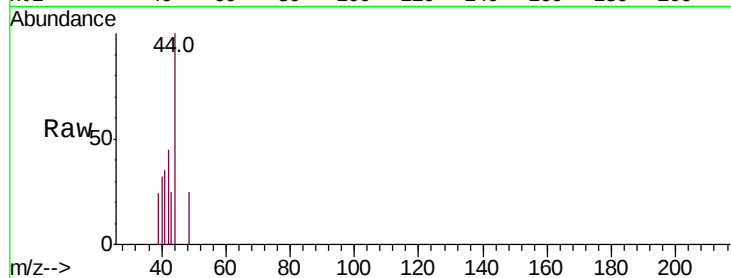
Tot Ion: 42 Resp: 368

Ion Ratio Lower Upper

42 100

72 0.0 32.1 48.1#

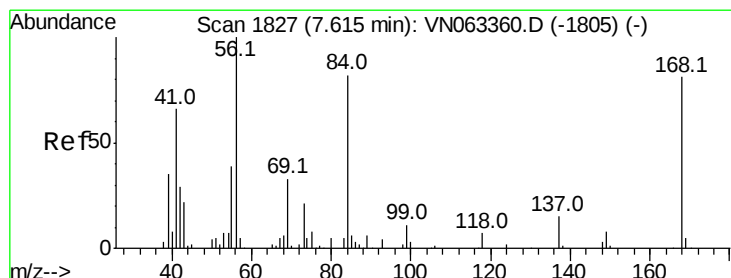
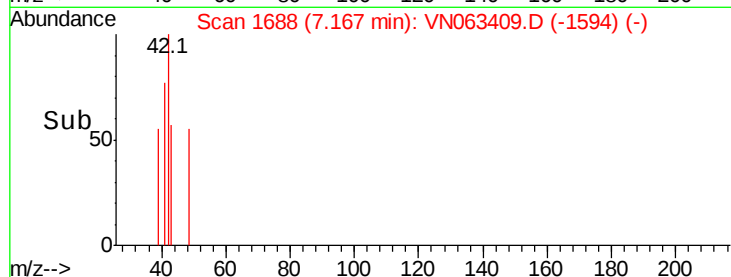
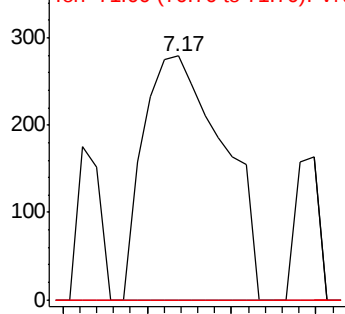
71 0.0 31.2 46.8#



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



#31

Cyclohexane

Concen: 1.245 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN063409.D

Acq: 17 Sep 2020 11:01

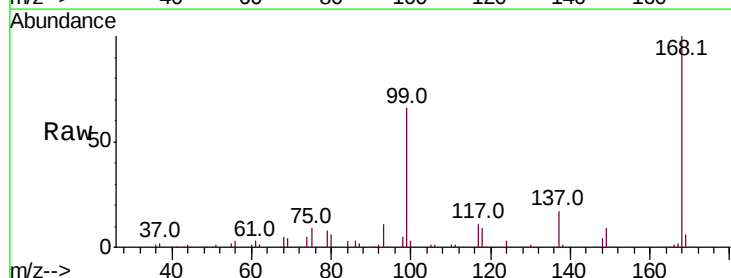
Tgt Ion: 56 Resp: 7710

Ion Ratio Lower Upper

56 100

69 156.5 26.1 39.1#

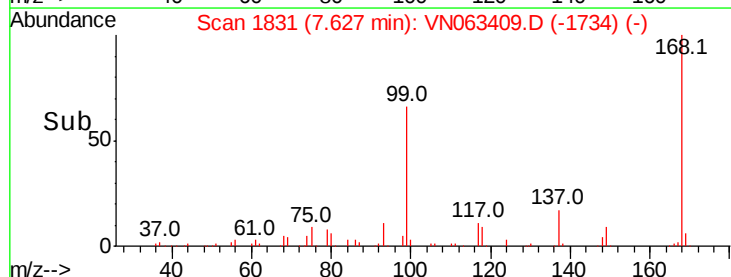
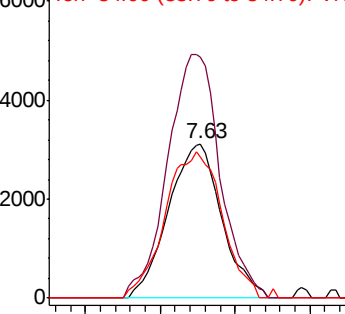
84 91.7 65.4 98.2

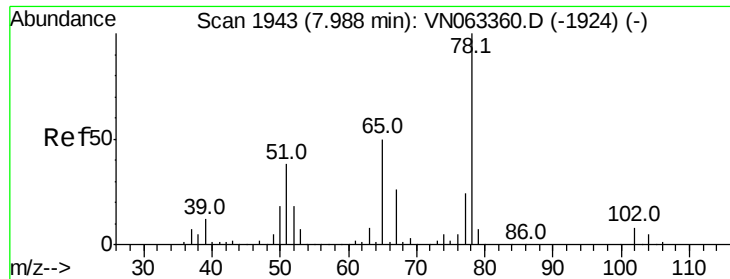


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





#33

1,2-Dichloroethane-d4

Concen: 47.973 ug/l

RT: 7.98 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN063409.D

Acq: 17 Sep 2020 11:01

Instrument :

MSVOA_N

ClientSampled :

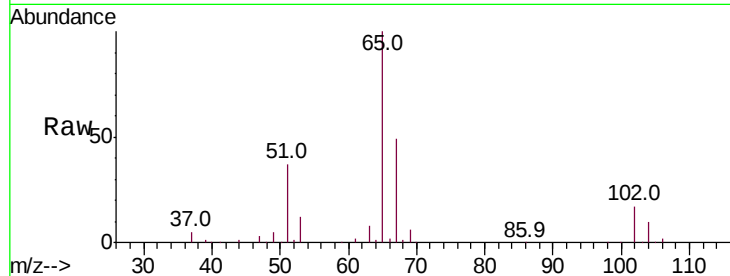
VN0917MBL01

Tot Ion: 65 Resp: 215025

Ion Ratio Lower Upper

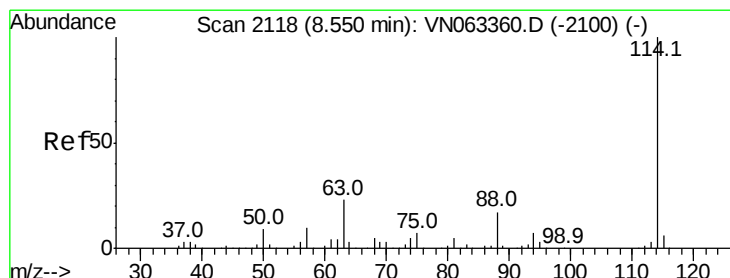
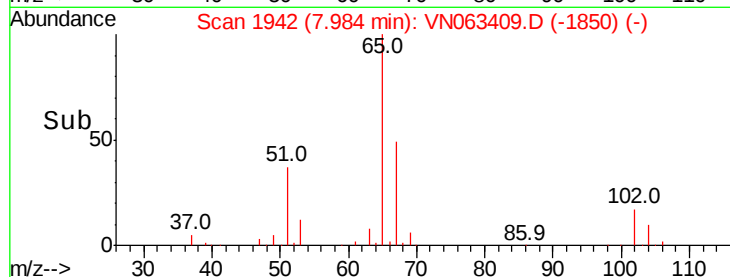
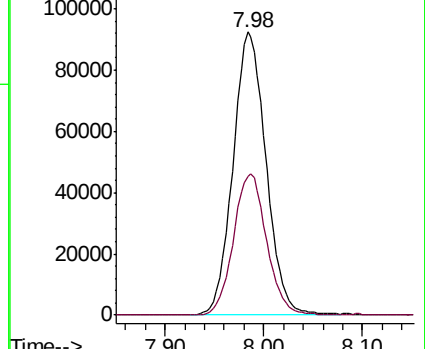
65 100

67 50.1 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN063409.D

Acq: 17 Sep 2020 11:01

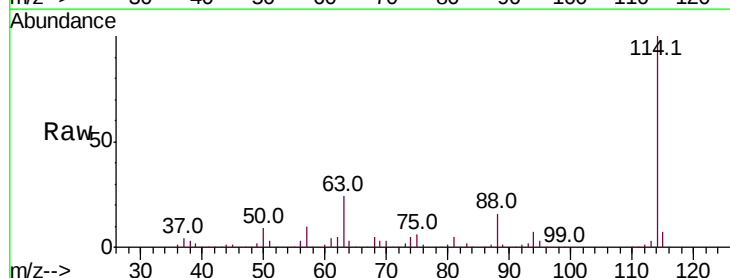
Tgt Ion: 114 Resp: 487534

Ion Ratio Lower Upper

114 100

63 23.7 0.0 46.4

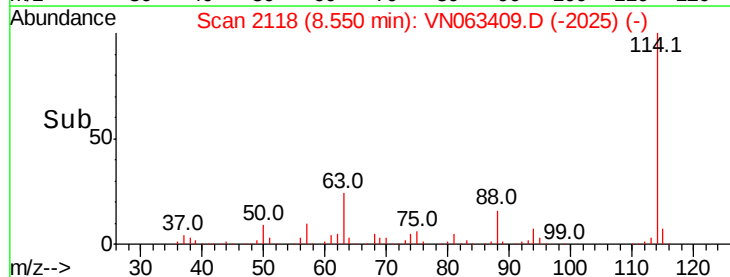
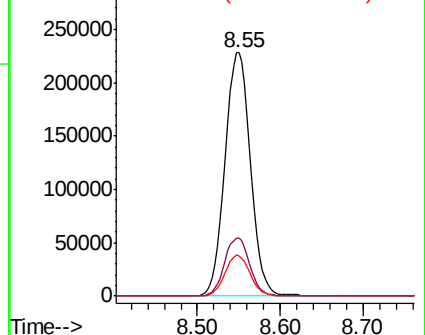
88 16.5 0.0 33.2

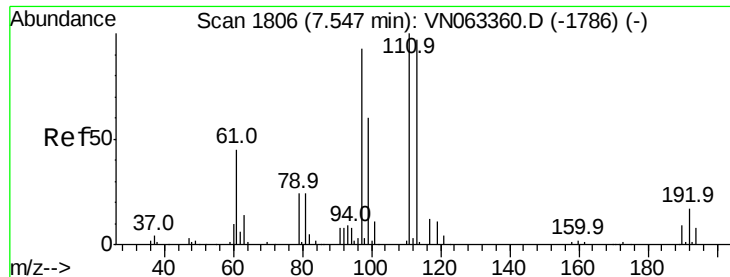


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

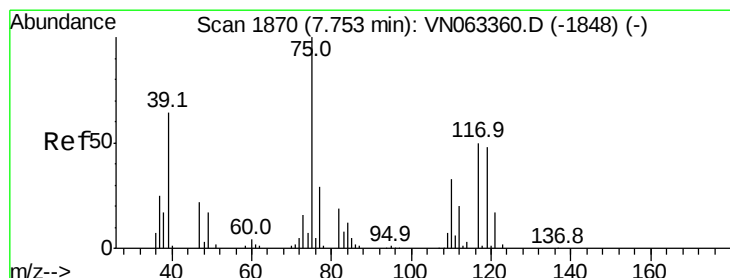
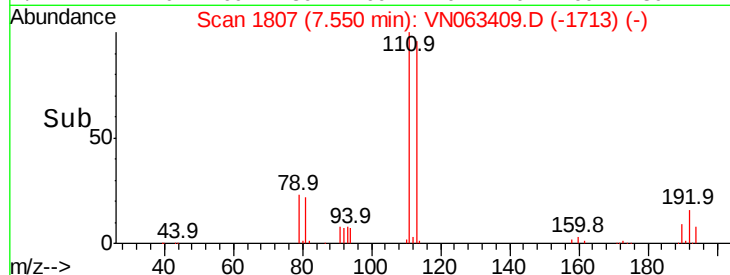
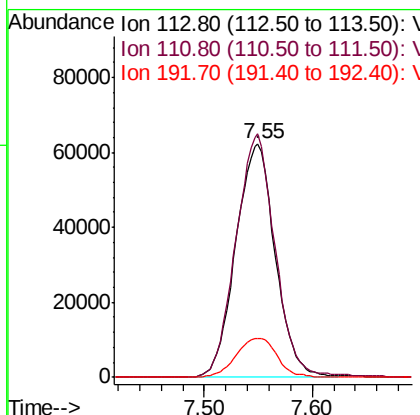
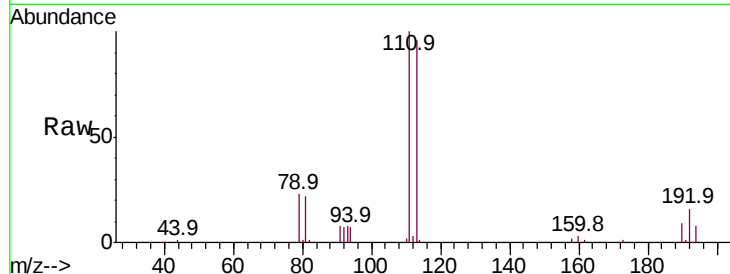




#35
 Dibromofluoromethane
 Concen: 46.816 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063409.D
 Acq: 17 Sep 2020 11:01

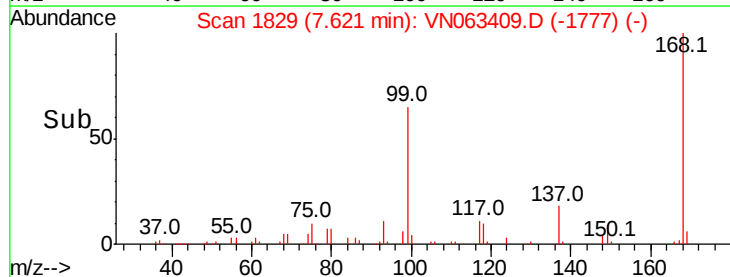
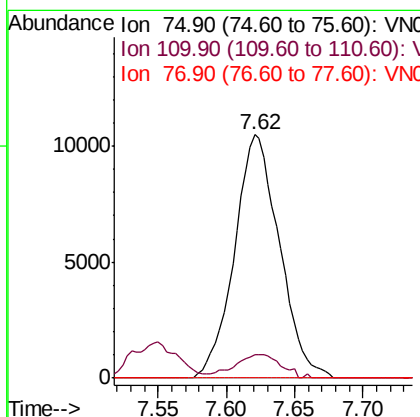
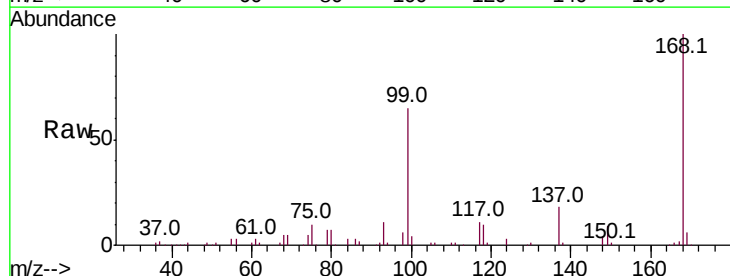
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917MBL01

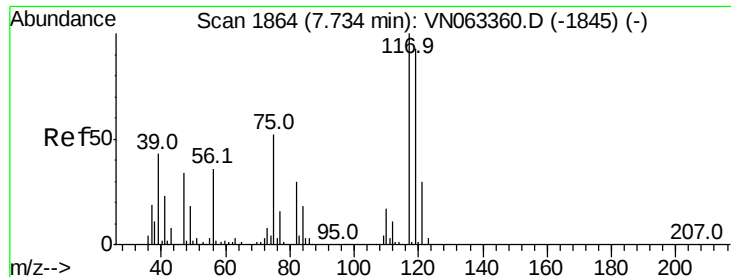
Tot Ion:113 Resp: 158008
 Ion Ratio Lower Upper
 113 100
 111 104.1 82.9 124.3
 192 17.3 13.9 20.9



#36
 1,1-Dichloropropene
 Concen: 4.616 ug/l
 RT: 7.62 min Scan# 1829
 Delta R.T. -0.13 min
 Lab File: VN063409.D
 Acq: 17 Sep 2020 11:01

Tgt Ion: 75 Resp: 23974
 Ion Ratio Lower Upper
 75 100
 110 9.8 16.5 49.5#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 5.616 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN063409.D

Acq: 17 Sep 2020 11:01

Instrument :

MSVOA_N

ClientSampleId :

VN0917MBL01

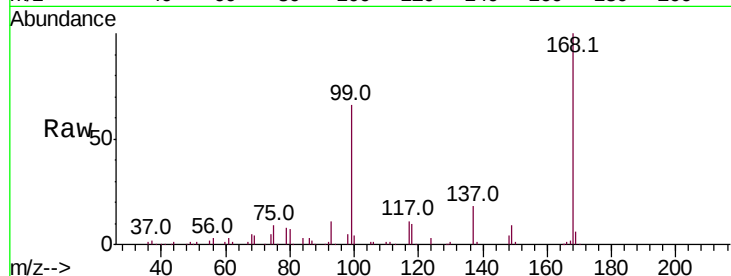
Tot Ion:117 Resp: 29774

Ion Ratio Lower Upper

117 100

119 4.5 74.5 111.7#

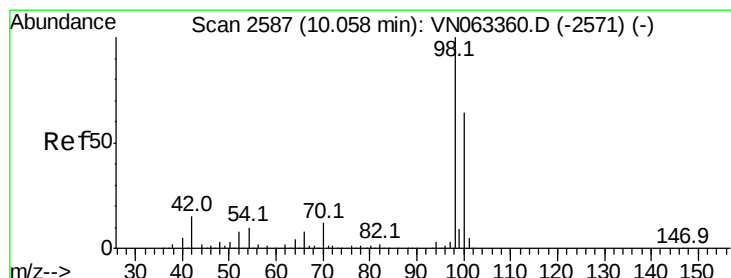
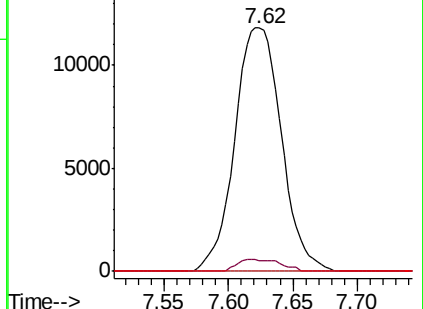
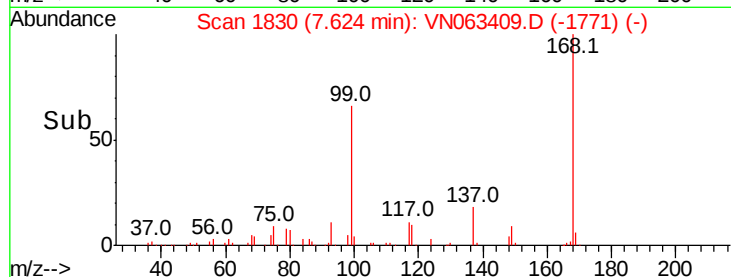
121 0.0 24.1 36.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 49.356 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN063409.D

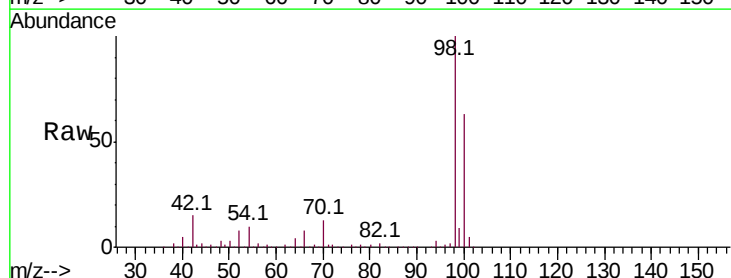
Acq: 17 Sep 2020 11:01

Tgt Ion: 98 Resp: 626382

Ion Ratio Lower Upper

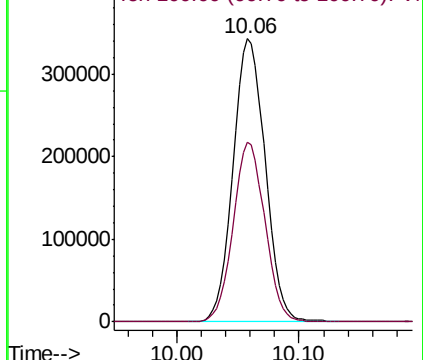
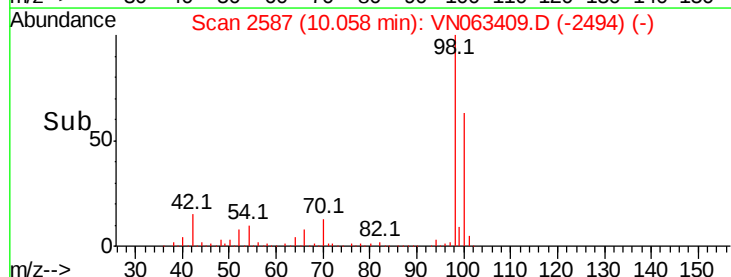
98 100

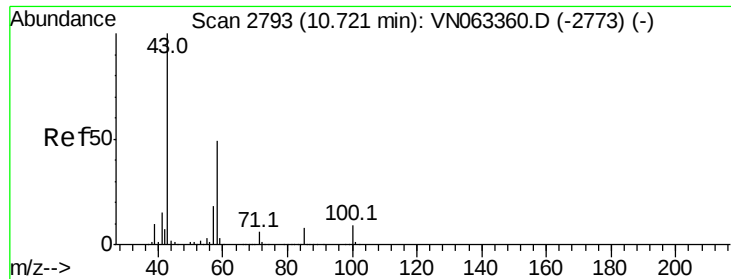
100 62.8 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

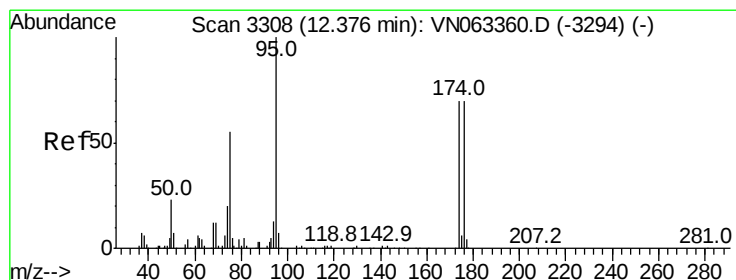
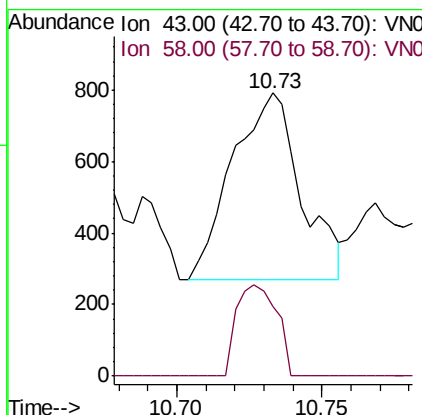
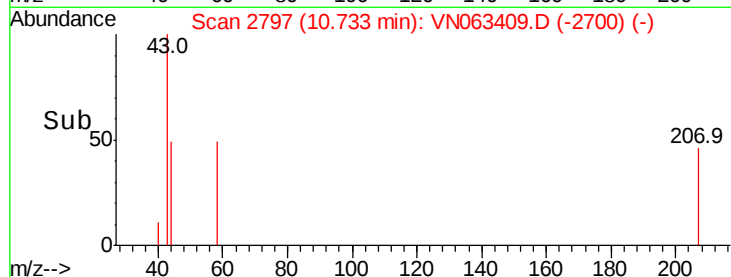
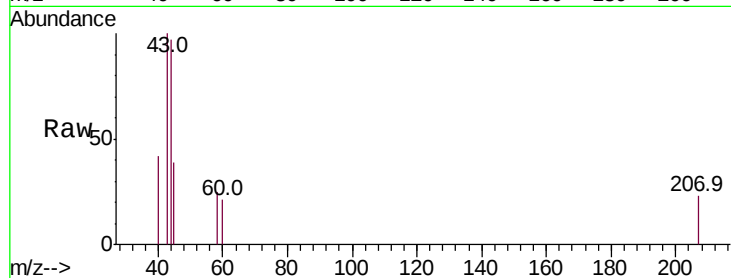




#59
2-Hexanone
Concen: 0.233 ug/l
RT: 10.73 min Scan# 2797
Delta R.T. 0.01 min
Lab File: VN063409.D
Acq: 17 Sep 2020 11:01

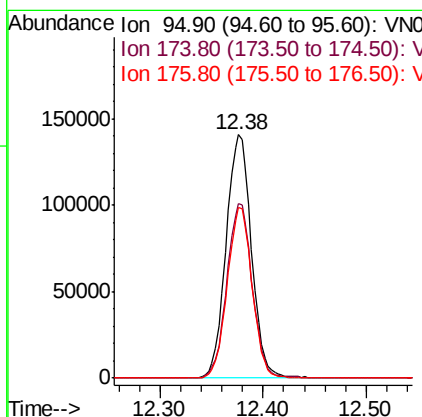
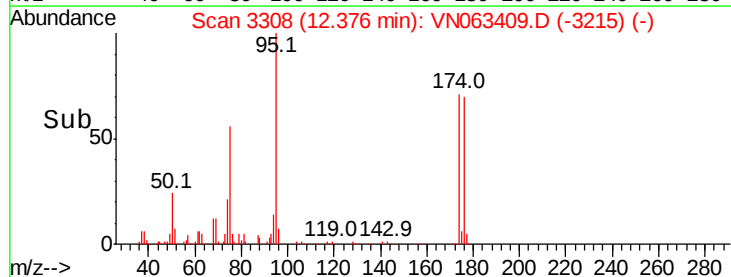
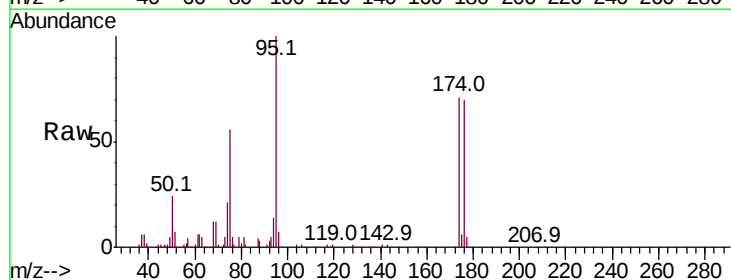
Instrument :
MSVOA_N
ClientSampled :
VN0917MBL01

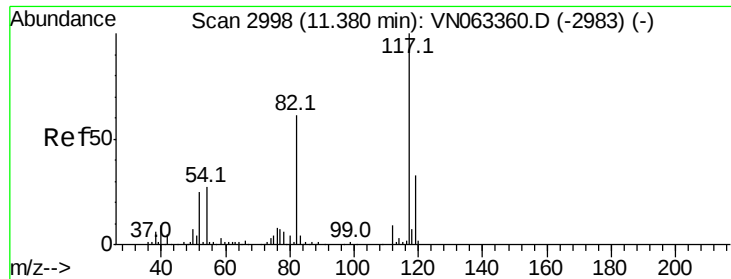
Tot Ion: 43 Resp: 862
Ion Ratio Lower Upper
43 100
58 28.7 24.7 74.1



#62
4-Bromofluorobenzene
Concen: 51.970 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN063409.D
Acq: 17 Sep 2020 11:01

Tgt Ion: 95 Resp: 241779
Ion Ratio Lower Upper
95 100
174 71.4 0.0 140.8
176 68.7 0.0 137.6

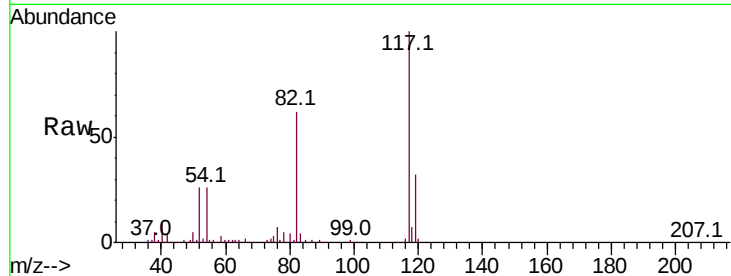




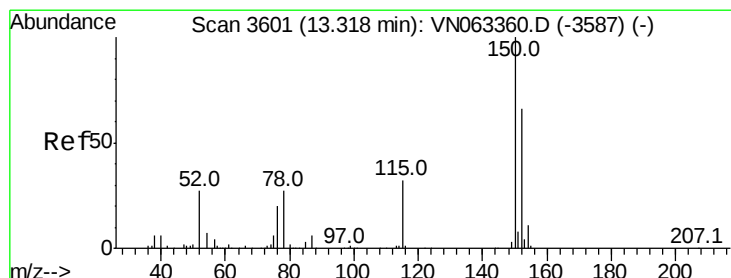
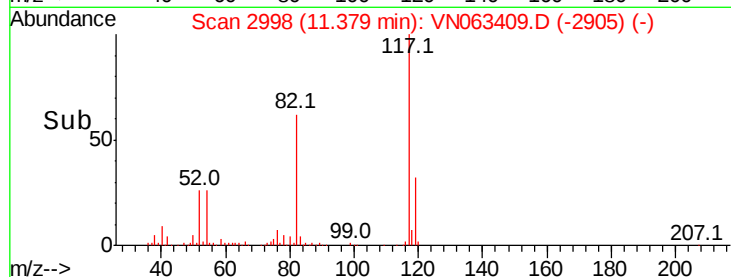
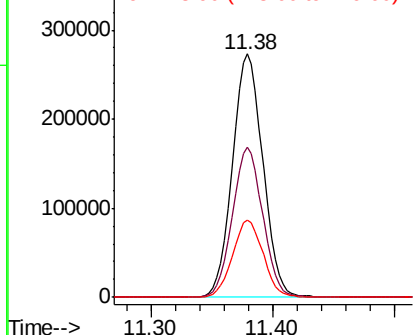
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063409.D
Acq: 17 Sep 2020 11:01

Instrument :
MSVOA_N
ClientSampleId :
VN0917MBL01

Tot Ion:117 Resp: 473978
Ion Ratio Lower Upper
117 100
82 61.8 49.2 73.8
119 31.8 26.2 39.4

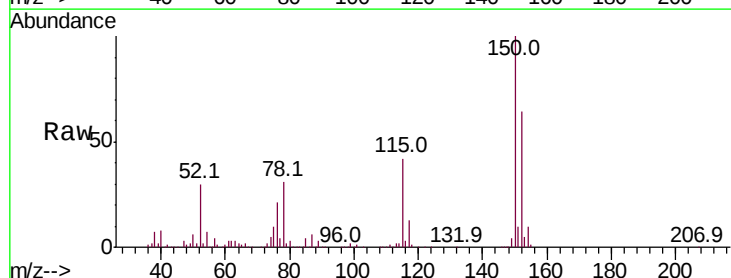


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

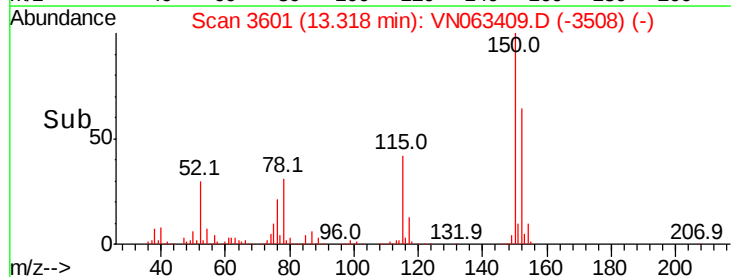
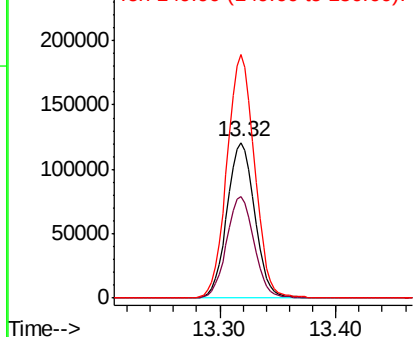


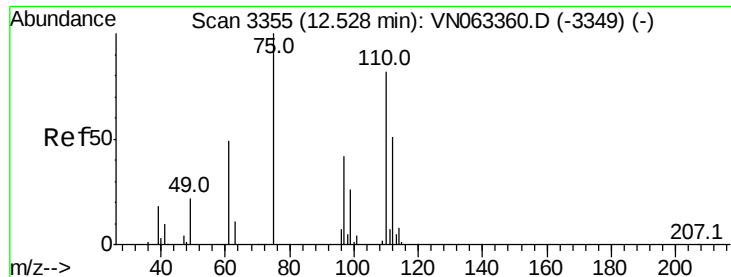
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. -0.00 min
Lab File: VN063409.D
Acq: 17 Sep 2020 11:01

Tgt Ion:152 Resp: 199956
Ion Ratio Lower Upper
152 100
115 64.8 32.2 96.6
150 156.2 0.0 343.4



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





#76

1,2,3-Trichloropropane

Concen: 27.208 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063409.D

Acq: 17 Sep 2020 11:01

Instrument :

MSVOA_N

ClientSampleId :

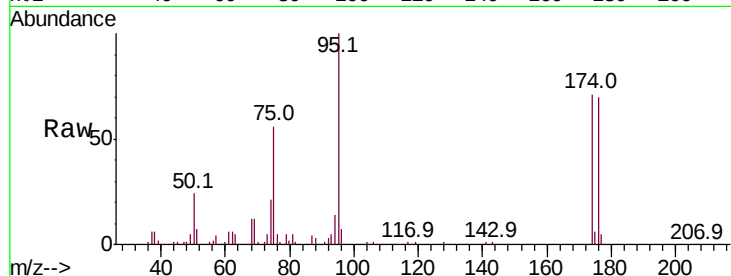
VN0917MBL01

Tot Ion: 75 Resp: 134656

Ion Ratio Lower Upper

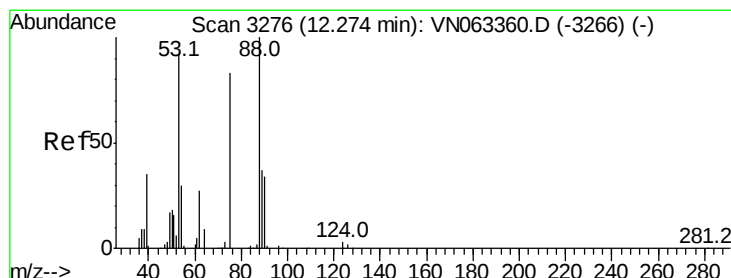
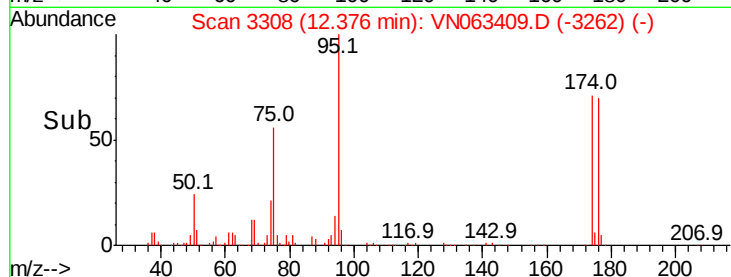
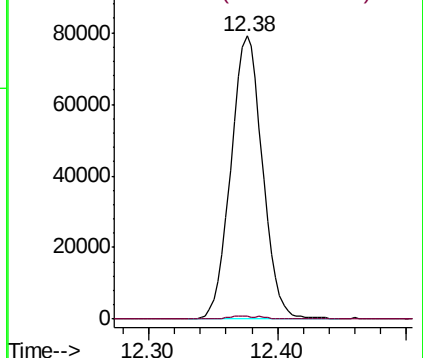
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 74.593 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063409.D

Acq: 17 Sep 2020 11:01

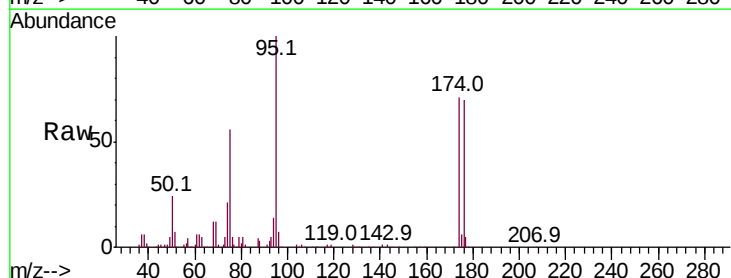
Tgt Ion: 75 Resp: 134656

Ion Ratio Lower Upper

75 100

53 0.0 85.7 128.5#

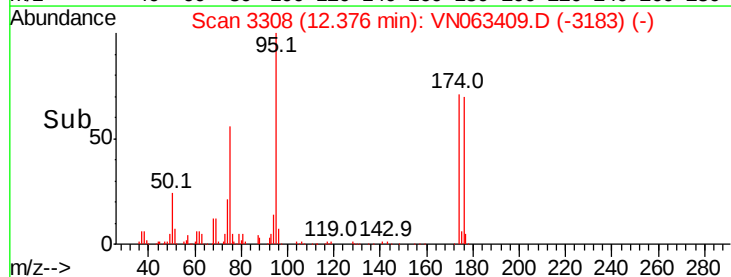
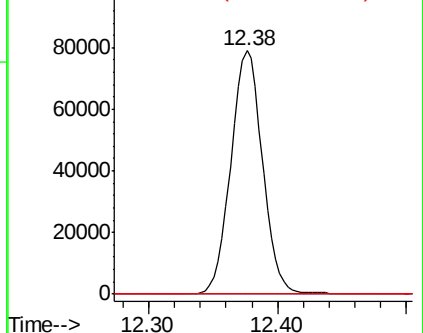
89 0.0 38.0 57.0#

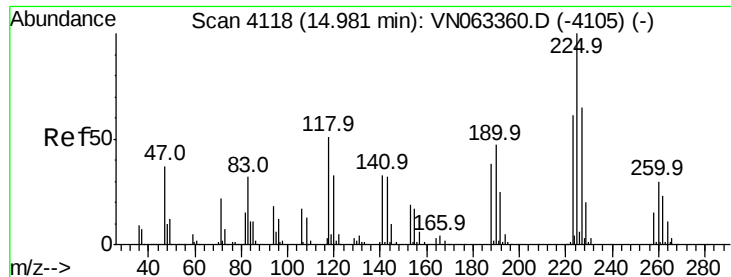


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#94

Hexachlorobutadiene

Concen: 0.221 ug/l

RT: 14.99 min Scan# 4121

Delta R.T. 0.01 min

Lab File: VN063409.D

Acq: 17 Sep 2020 11:01

Instrument :

MSVOA_N

ClientSampled :

VN0917MBL01

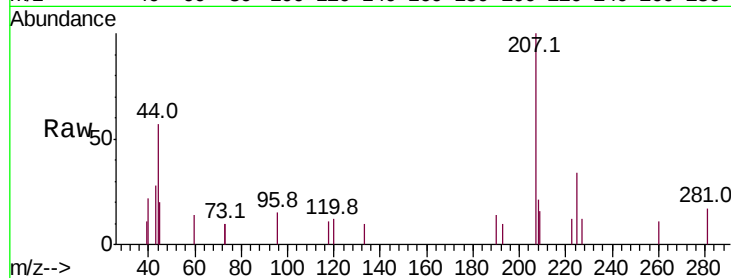
Tot Ion:225 Resp: 354

Ion Ratio Lower Upper

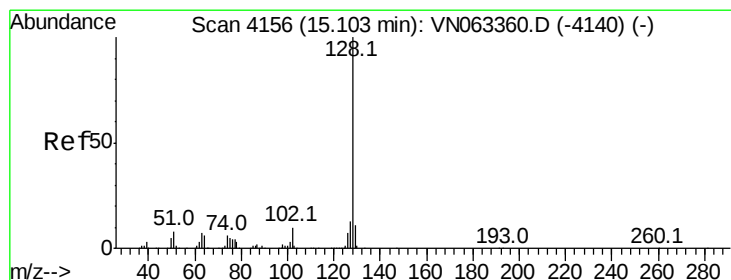
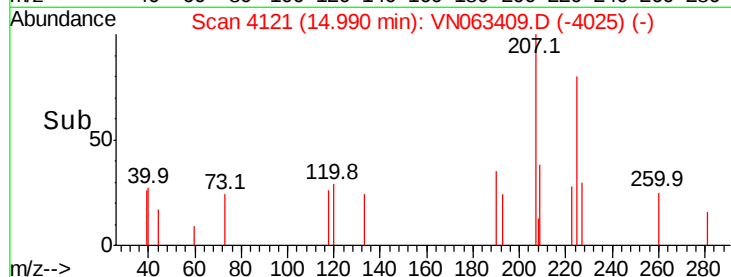
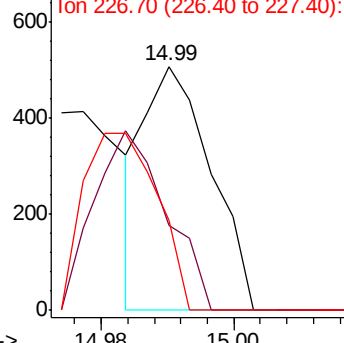
225 100

223 79.9 30.6 91.6

227 80.8 31.2 93.6



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: 0.286 ug/l

RT: 15.11 min Scan# 4157

Delta R.T. 0.00 min

Lab File: VN063409.D

Acq: 17 Sep 2020 11:01

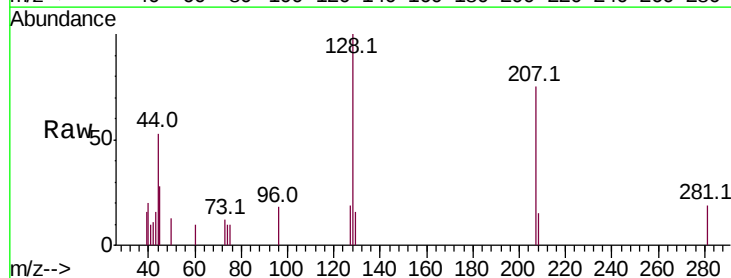
Tgt Ion:128 Resp: 3650

Ion Ratio Lower Upper

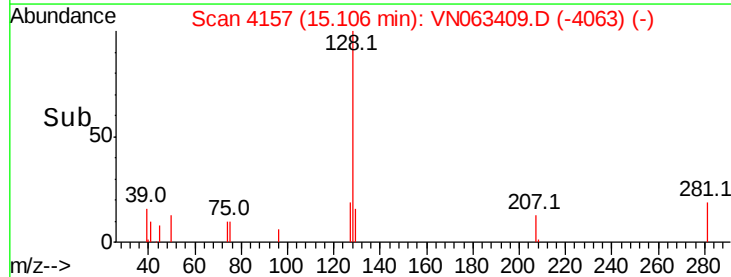
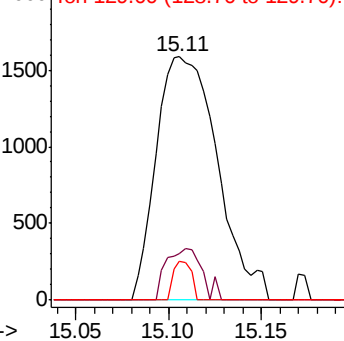
128 100

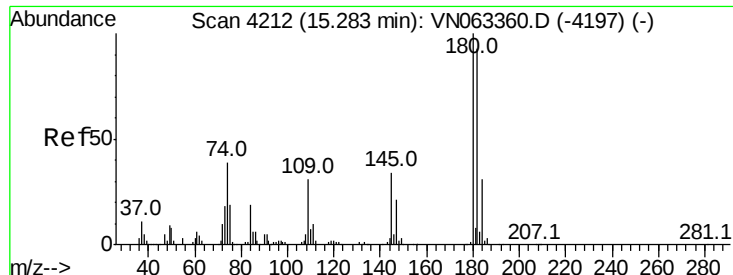
127 12.3 10.6 15.8

129 4.7 8.8 13.2#



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

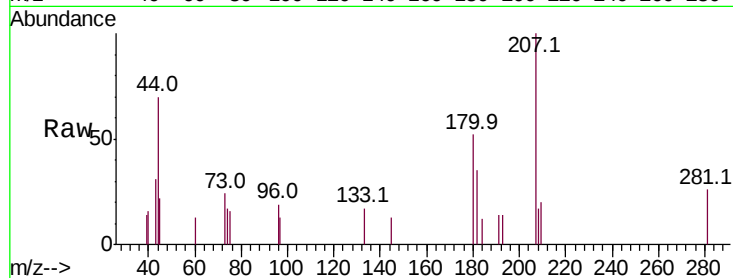




#96
 1,2,3-Trichlorobenzene
 Concen: 0.246 ug/l
 RT: 15.28 min Scan# 4212
 Delta R.T. -0.00 min
 Lab File: VN063409.D
 Acq: 17 Sep 2020 11:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917MBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	88.7	46.7	140.1
145	30.0	16.8	50.3



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

