

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100120\
 Data File : VN063791.D
 Acq On : 2 Oct 2020 00:08
 Operator : JC/MD
 Sample : VN1001WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001WBL02

Quant Time: Oct 02 03:50:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	209947	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	384294	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	389599	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	161178	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	179194	51.66	ug/l	0.00
Spiked Amount			Recovery	=	103.32%	
35) Dibromofluoromethane	7.55	113	128241	48.09	ug/l	0.00
Spiked Amount			Recovery	=	96.18%	
50) Toluene-d8	10.06	98	488938	48.37	ug/l	0.00
Spiked Amount			Recovery	=	96.74%	
62) 4-Bromofluorobenzene	12.38	95	191977	50.52	ug/l	0.00
Spiked Amount			Recovery	=	101.04%	

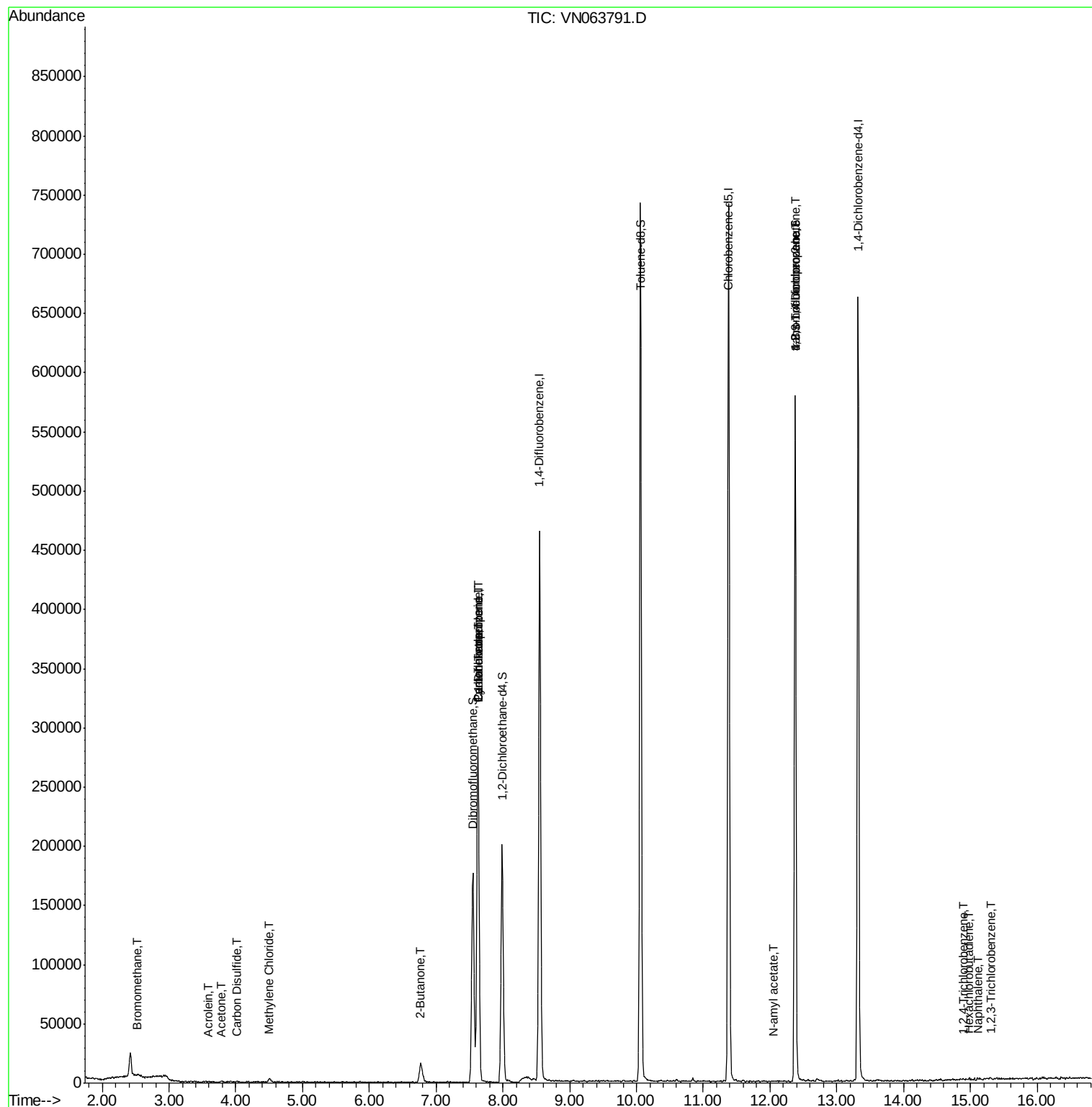
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.54	94	424	0.258	ug/l #	66
13) Acrolein	3.58	56	154	0.655	ug/l #	14
16) Acetone	3.77	43	412	0.386	ug/l #	47
17) Carbon Disulfide	4.01	76	1402	0.943	ug/l #	76
20) Methylene Chloride	4.50	84	1952	0.895	ug/l #	55
25) 2-Butanone	6.76	43	325	0.215	ug/l #	51
31) Cyclohexane	7.62	56	6387	1.586	ug/l #	33
36) 1,1-Dichloropropene	7.63	75	19056	4.895	ug/l #	50
38) Carbon Tetrachloride	7.62	117	23152	5.303	ug/l #	14
74) N-amyl acetate	12.04	43	95	2.233	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	107775	30.334	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	107775	87.365	ug/l #	6
93) 1,2,4-Trichlorobenzene	14.88	180	154	1.789	ug/l #	27
94) Hexachlorobutadiene	14.99	225	225	0.227	ug/l	89
95) Naphthalene	15.11	128	1138	2.050	ug/l #	84
96) 1,2,3-Trichlorobenzene	15.29	180	303	1.676	ug/l #	68

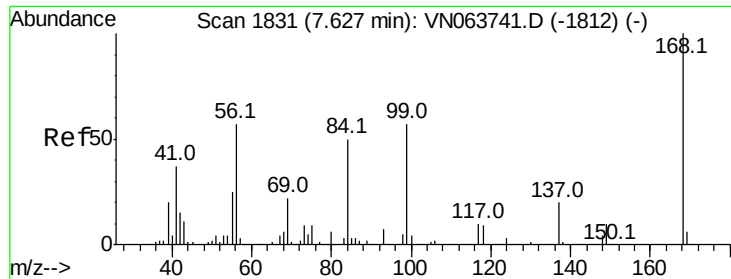
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN100120\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063791.D

Acq: 2 Oct 2020 00:08

Instrument :

MSVOA_N

ClientSampleId :

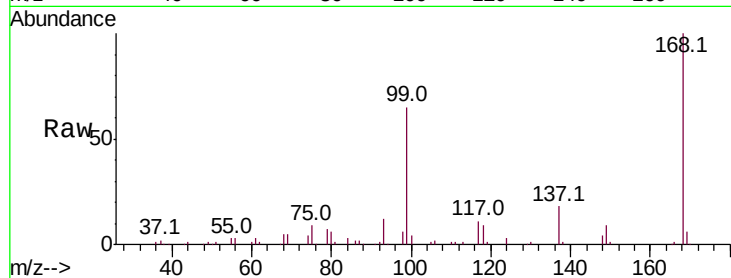
VN1001WBL02

Tot Ion:168 Resp: 209947

Ion Ratio Lower Upper

168 100

99 65.0 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

100000

80000

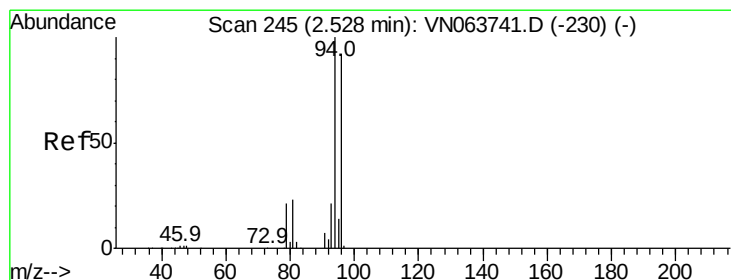
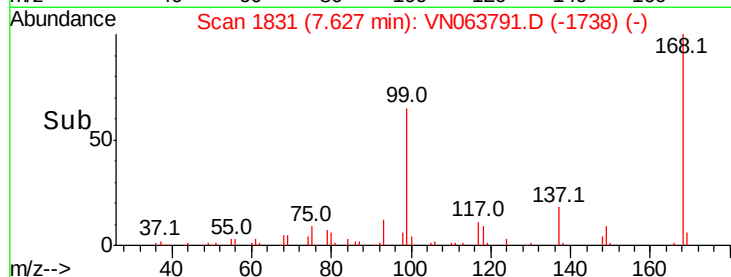
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#5

Bromomethane

Concen: 0.258 ug/l

RT: 2.54 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN063791.D

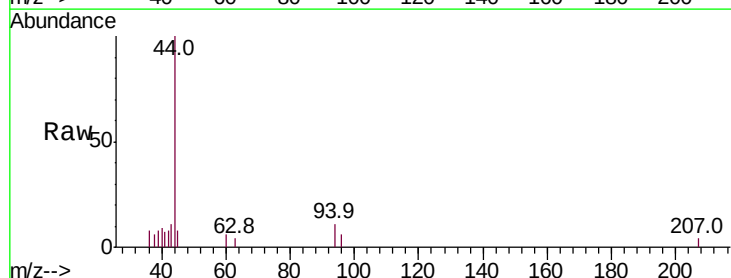
Acq: 2 Oct 2020 00:08

Tgt Ion: 94 Resp: 424

Ion Ratio Lower Upper

94 100

96 59.0 73.3 109.9#



Abundance Ion 93.90 (93.60 to 94.60): VN

Ion 95.90 (95.60 to 96.60): VN

2.54

400

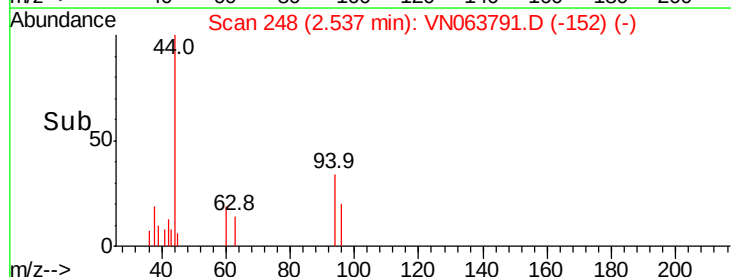
300

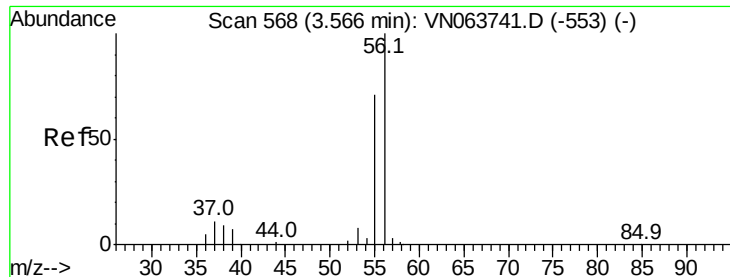
200

100

0

Time--> 2.52 2.54 2.56





#13

Acrolein

Concen: 0.655 ug/l

RT: 3.58 min Scan# 573

Delta R.T. 0.02 min

Lab File: VN063791.D

Acq: 2 Oct 2020 00:08

Instrument :

MSVOA_N

ClientSampleId :

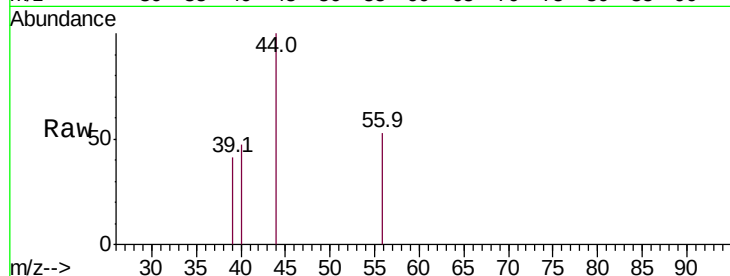
VN1001WBL02

Tot Ion: 56 Resp: 154

Ion Ratio Lower Upper

56 100

55 0.0 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VN063791.D (-553) (-)

Ion 55.00 (54.70 to 55.70): VN063791.D (-553) (-)

3.58

250

200

150

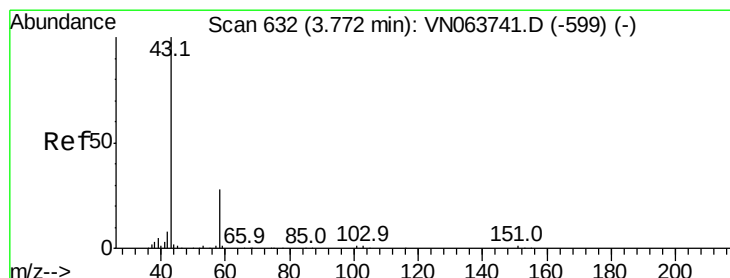
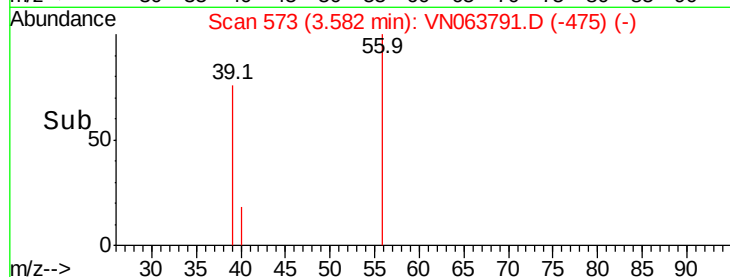
100

50

0

Time-->

3.56 3.57 3.58 3.59 3.60



#16

Acetone

Concen: 0.386 ug/l

RT: 3.77 min Scan# 632

Delta R.T. 0.00 min

Lab File: VN063791.D

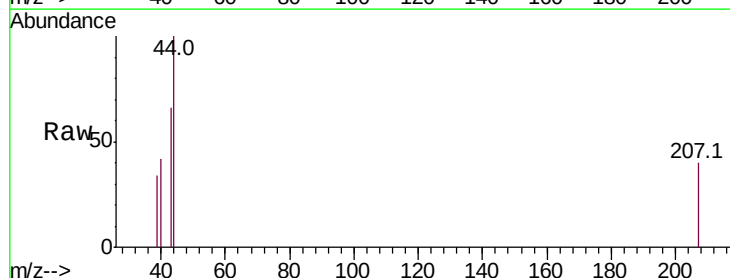
Acq: 2 Oct 2020 00:08

Tgt Ion: 43 Resp: 412

Ion Ratio Lower Upper

43 100

58 0.0 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VN063791.D (-599) (-)

Ion 58.00 (57.70 to 58.70): VN063791.D (-599) (-)

3.77

300

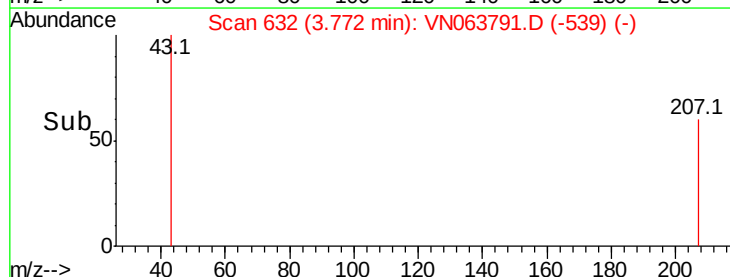
200

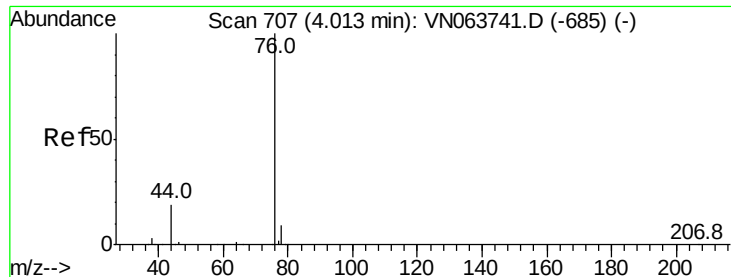
100

0

Time-->

3.74 3.76 3.78





#17

Carbon Disulfide

Concen: 0.943 ug/l

RT: 4.01 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN063791.D

Acq: 2 Oct 2020 00:08

Instrument :

MSVOA_N

ClientSampleId :

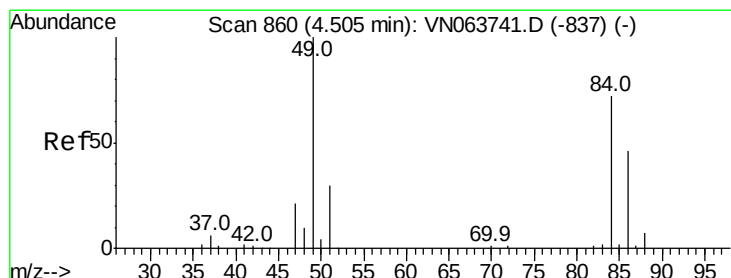
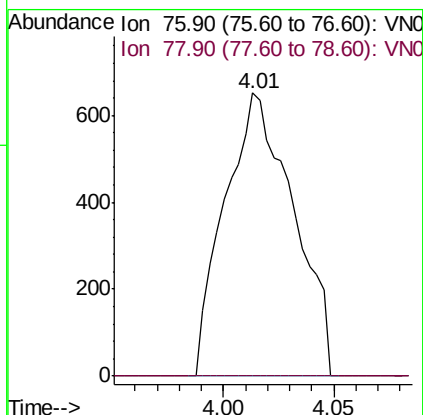
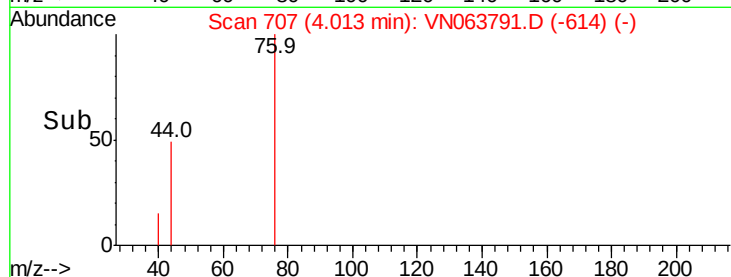
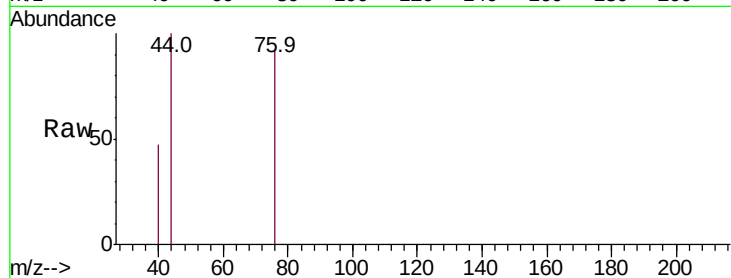
VN1001WBL02

Tot Ion: 76 Resp: 1402

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.4#



#20

Methylene Chloride

Concen: 0.895 ug/l

RT: 4.50 min Scan# 859

Delta R.T. -0.00 min

Lab File: VN063791.D

Acq: 2 Oct 2020 00:08

Tgt Ion: 84 Resp: 1952

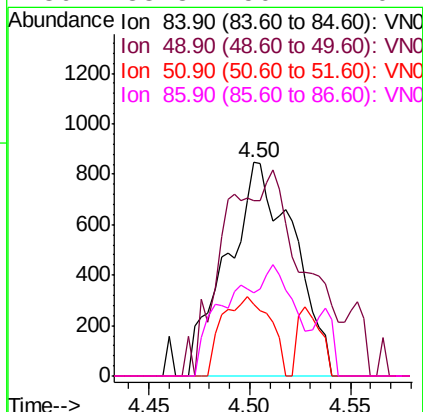
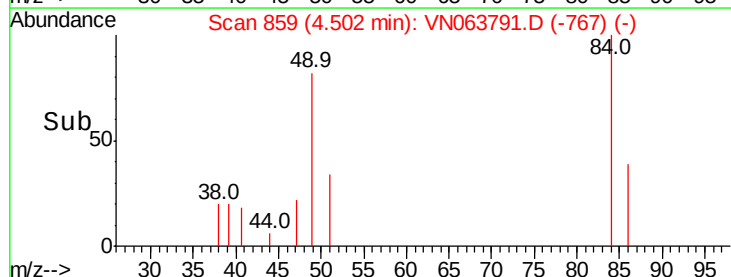
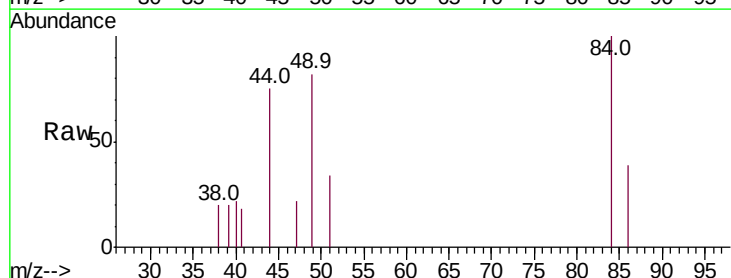
Ion Ratio Lower Upper

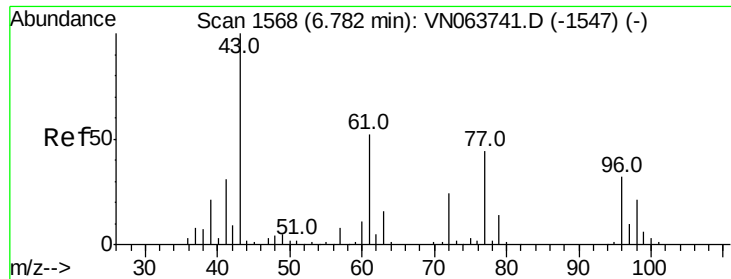
84 100

49 63.5 110.4 165.6#

51 33.9 33.3 49.9

86 38.8 50.7 76.1#

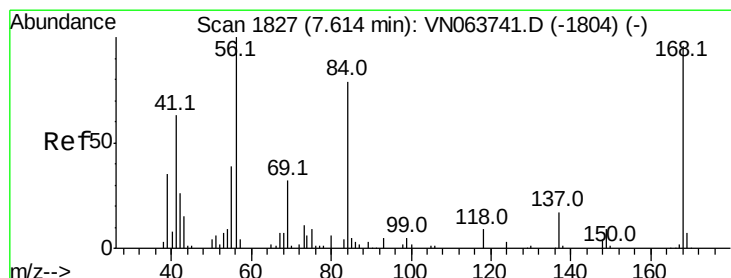
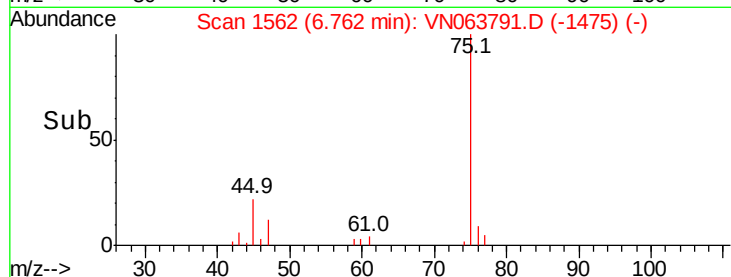
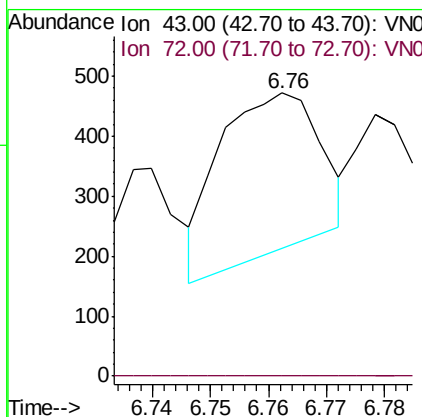
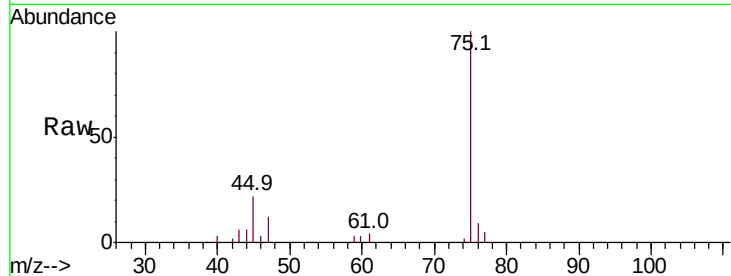




#25
2-Butanone
Concen: 0.215 ug/l
RT: 6.76 min Scan# 1562
Delta R.T. -0.02 min
Lab File: VN063791.D
Acq: 2 Oct 2020 00:08

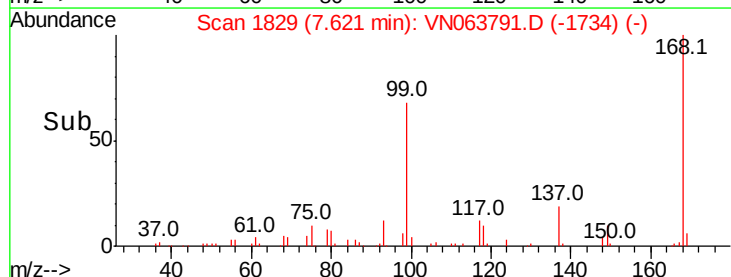
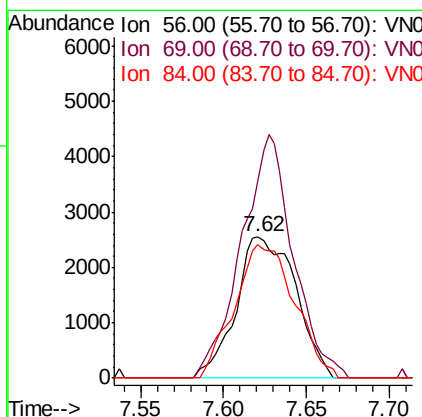
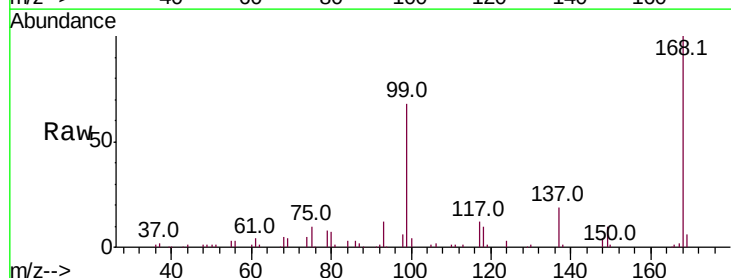
Instrument :
MSVOA_N
ClientSampleId :
VN1001WBL02

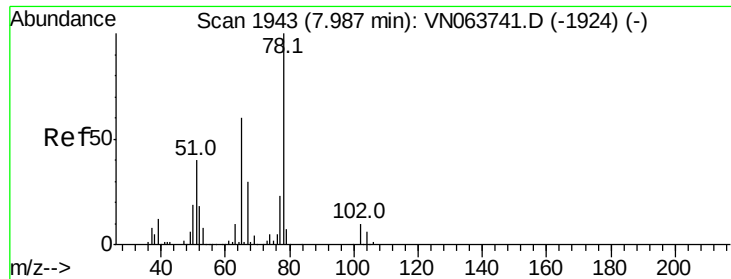
Tot Ion: 43 Resp: 325
Ion Ratio Lower Upper
43 100
72 0.0 19.3 28.9#



#31
Cyclohexane
Concen: 1.586 ug/l
RT: 7.62 min Scan# 1829
Delta R.T. 0.01 min
Lab File: VN063791.D
Acq: 2 Oct 2020 00:08

Tgt Ion: 56 Resp: 6387
Ion Ratio Lower Upper
56 100
69 138.1 25.4 38.2#
84 94.4 63.3 94.9





#33

1,2-Dichloroethane-d4

Concen: 51.664 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

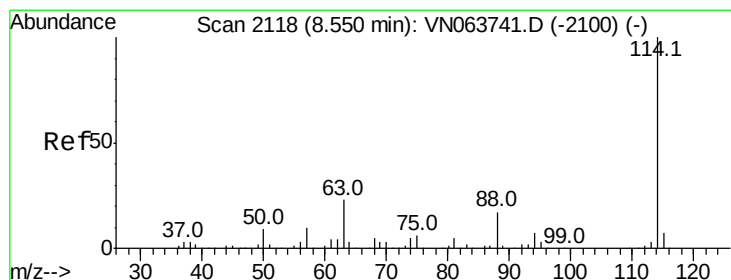
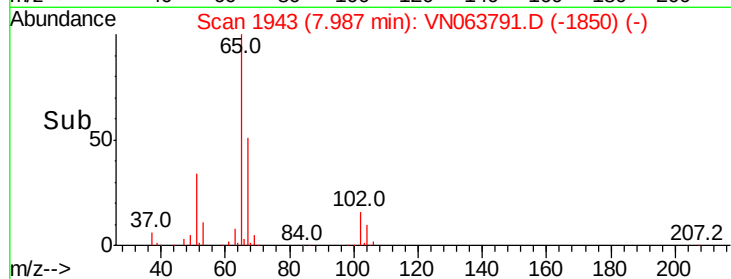
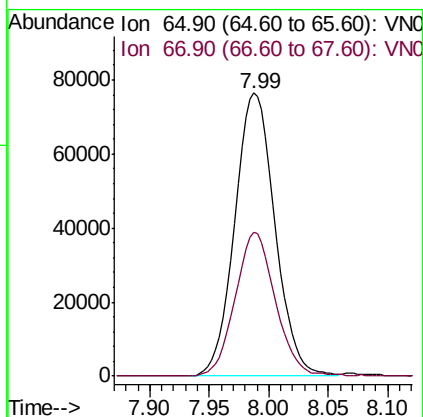
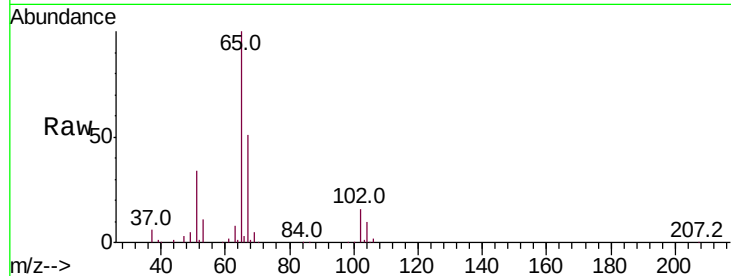
Lab File: VN063791.D

Acq: 2 Oct 2020 00:08

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBL02

Tot Ion: 65 Resp: 179194

Ion	Ratio	Lower	Upper
65	100		
67	50.7	0.0	99.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

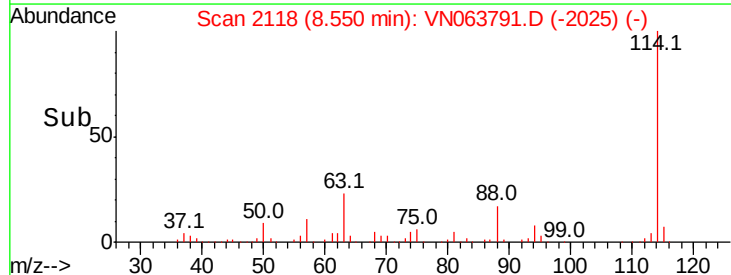
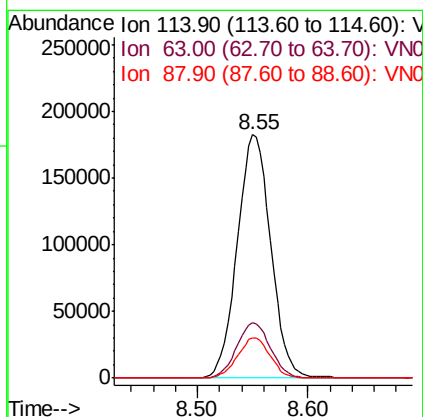
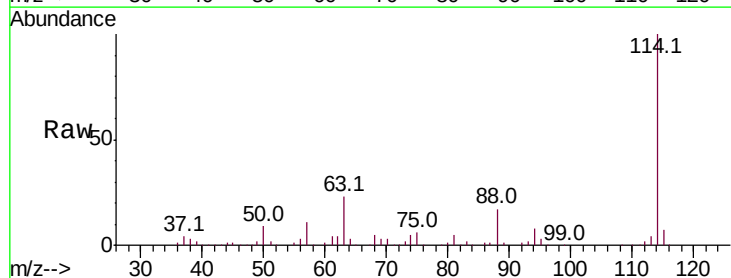
Delta R.T. 0.00 min

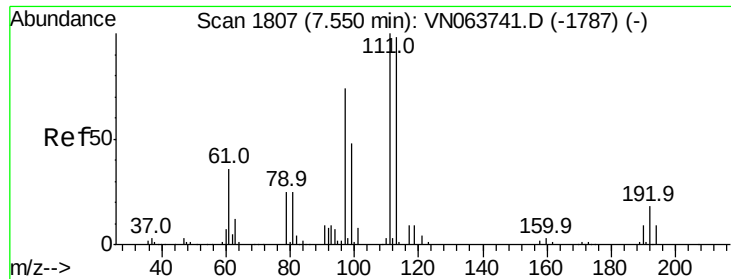
Lab File: VN063791.D

Acq: 2 Oct 2020 00:08

Tgt Ion: 114 Resp: 384294

Ion	Ratio	Lower	Upper
114	100		
63	22.6	0.0	45.0
88	16.6	0.0	34.0

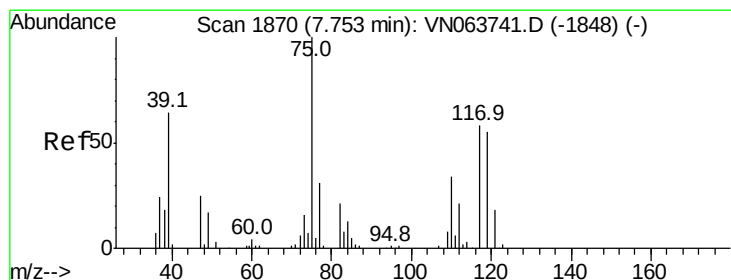
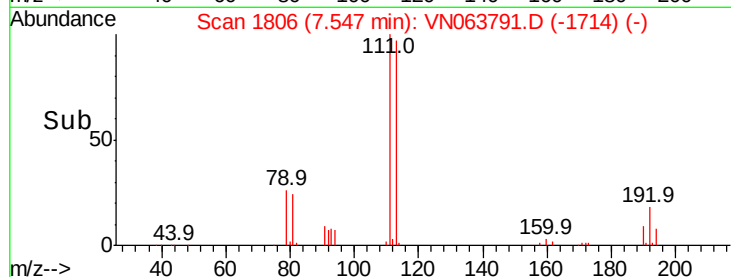
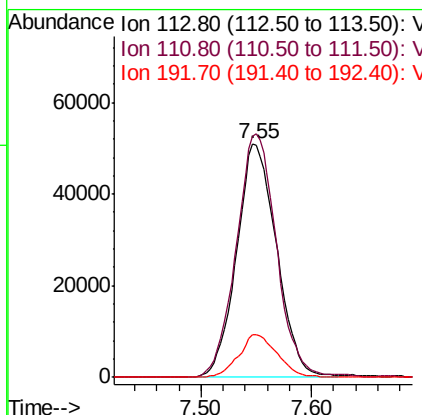
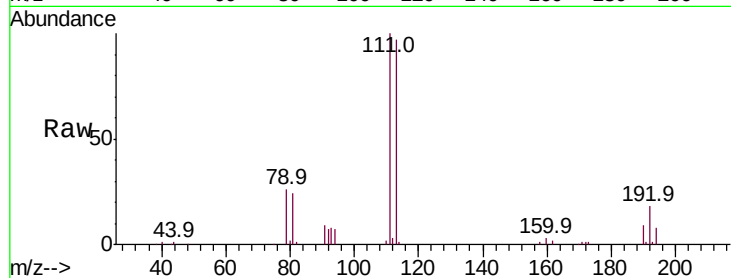




#35
 Dibromofluoromethane
 Concen: 48.093 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN063791.D
 Acq: 2 Oct 2020 00:08

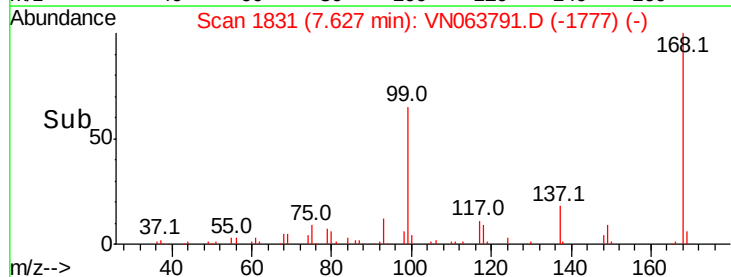
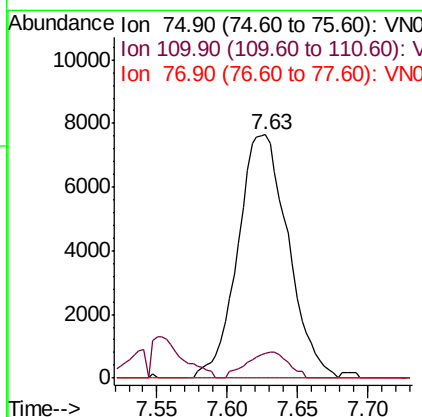
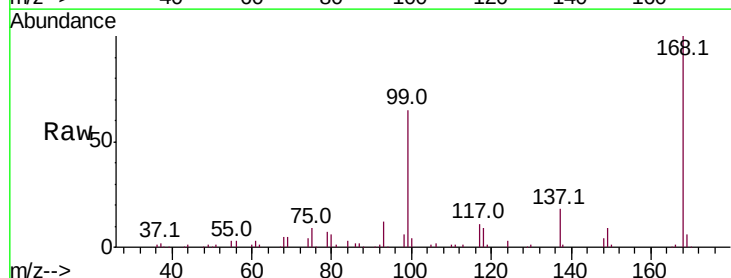
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 ClientSampleId :
 VN1001WBL02

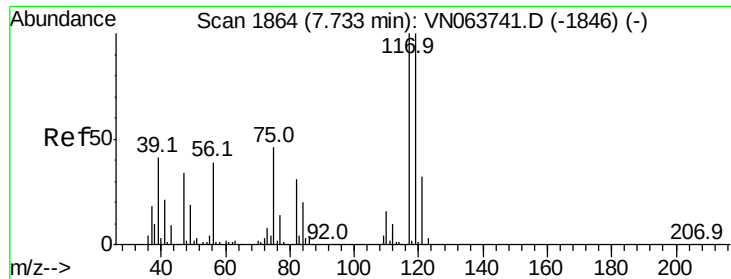
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.2	81.8	122.8
192	17.5	14.2	21.2



#36
 1,1-Dichloropropene
 Concen: 4.895 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN063791.D
 Acq: 2 Oct 2020 00:08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	16.9	50.6#
77	0.0	24.5	36.7#

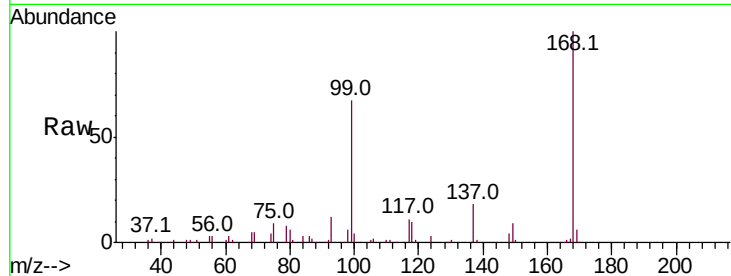




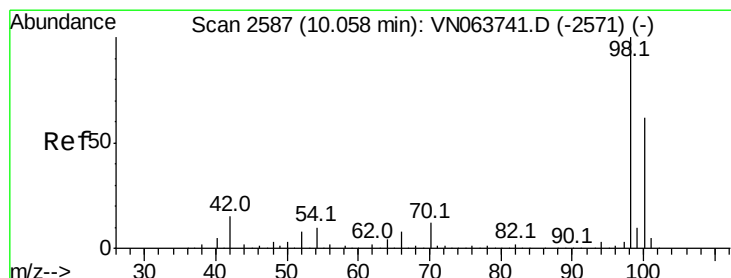
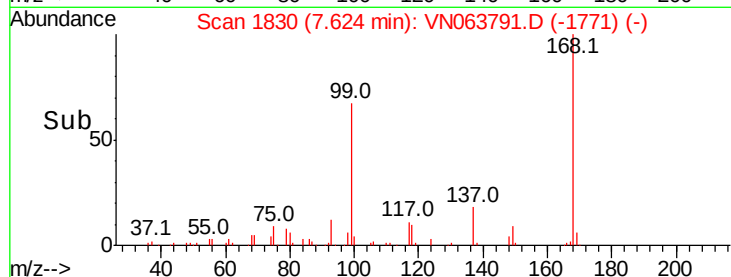
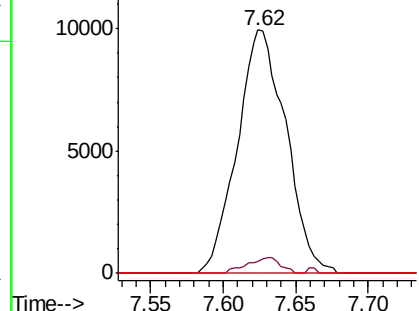
#38
Carbon Tetrachloride
Concen: 5.303 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. -0.11 min
Lab File: VN063791.D
Acq: 2 Oct 2020 00:08

Instrument :
MSVOA_N
ClientSampled :
VN1001WBL02

Tot Ion:117 Resp: 23152
Ion Ratio Lower Upper
117 100
119 4.8 80.1 120.1#
121 0.0 25.7 38.5#

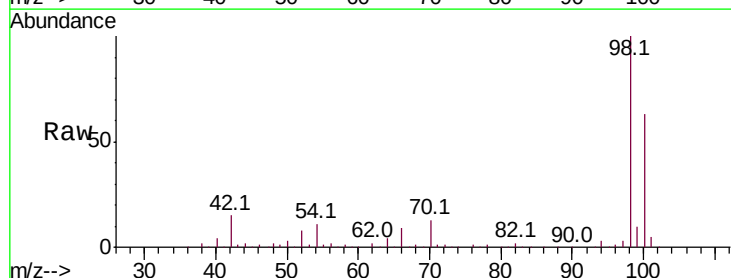


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

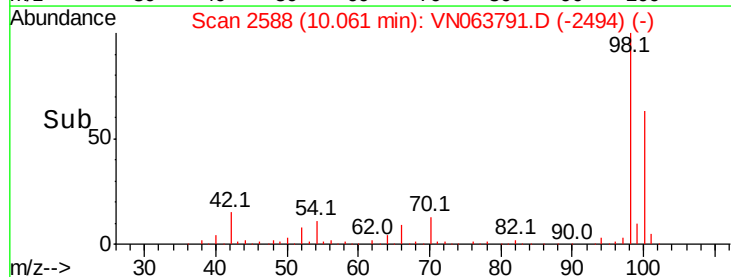
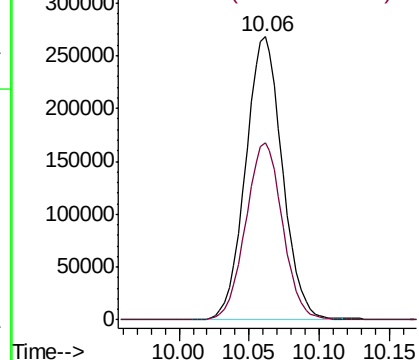


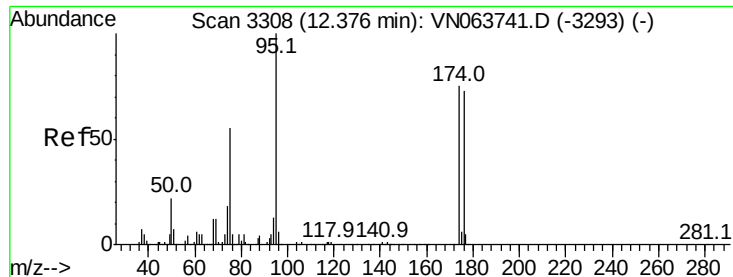
#50
Toluene-d8
Concen: 48.369 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063791.D
Acq: 2 Oct 2020 00:08

Tgt Ion: 98 Resp: 488938
Ion Ratio Lower Upper
98 100
100 62.7 49.8 74.6



Abundance Ion 98.00 (97.70 to 98.70): VN
Ion 100.00 (99.70 to 100.70): VN

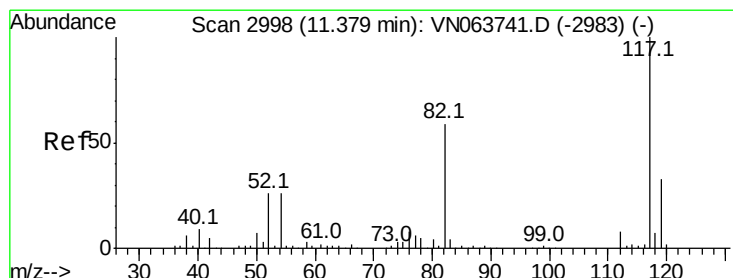
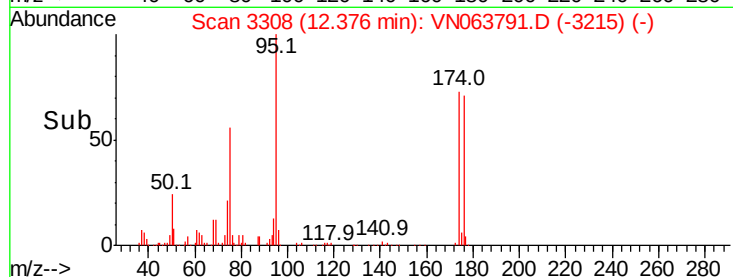
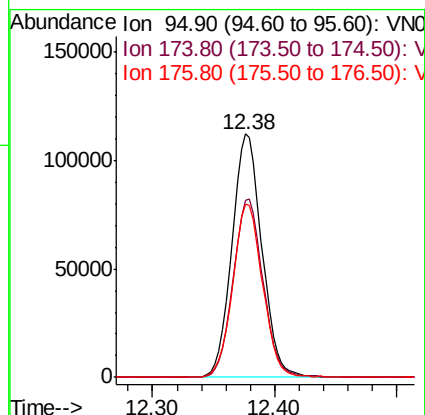
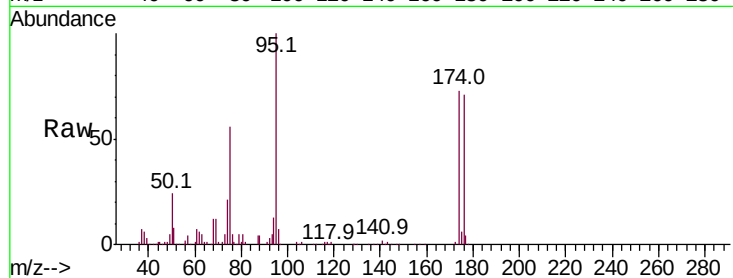




#62
4-Bromofluorobenzene
Concen: 50.522 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN063791.D
Acq: 2 Oct 2020 00:08

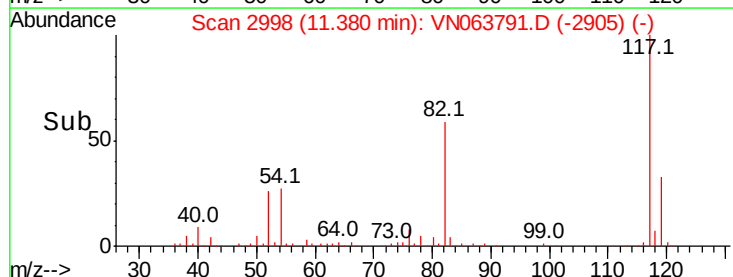
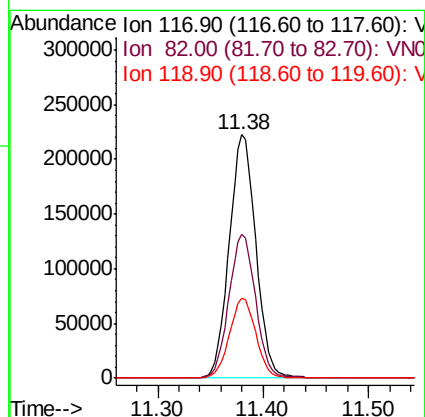
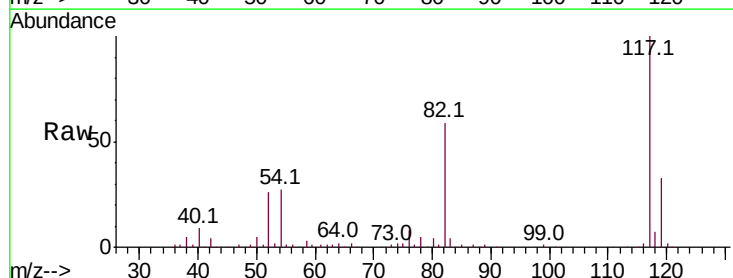
Instrument :
MSVOA_N
ClientSampleId :
VN1001WBL02

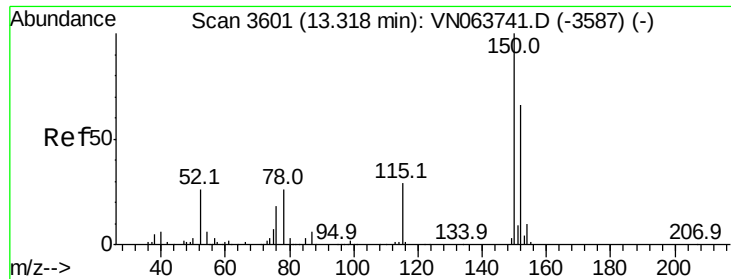
Tot Ion: 95 Resp: 191977
Ion Ratio Lower Upper
95 100
174 73.2 0.0 150.6
176 70.8 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063791.D
Acq: 2 Oct 2020 00:08

Tgt Ion: 117 Resp: 389599
Ion Ratio Lower Upper
117 100
82 58.9 47.4 71.2
119 32.9 26.4 39.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN063791.D

Acq: 2 Oct 2020 00:08

Instrument :

MSVOA_N

ClientSampleId :

VN1001WBL02

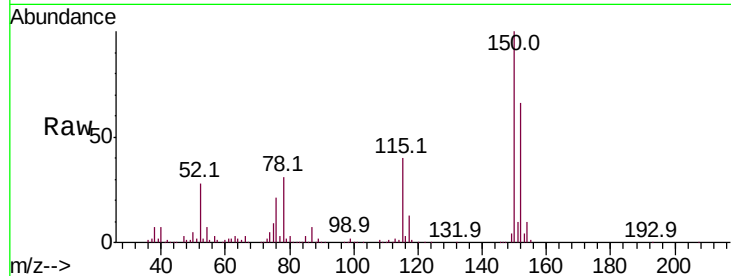
Tot Ion:152 Resp: 161178

Ion Ratio Lower Upper

152 100

115 62.0 31.3 93.8

150 157.6 0.0 341.8



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

200000

150000

100000

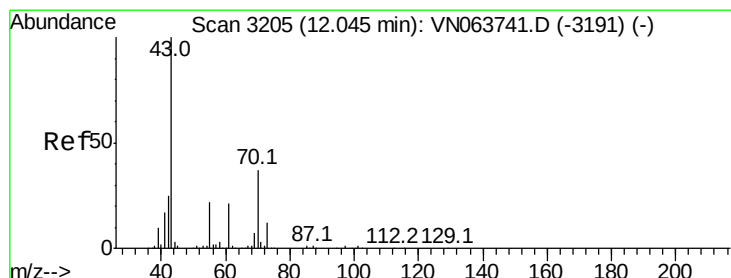
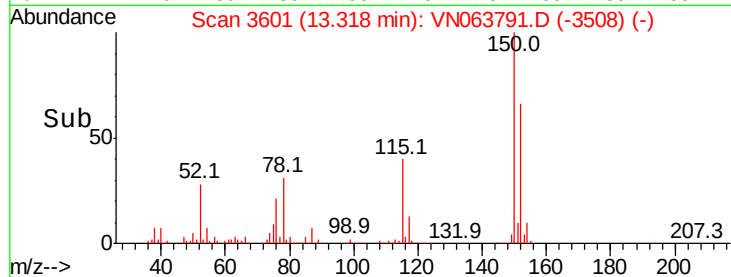
50000

0

13.32

13.30 13.35 13.40

Time-->



#74

N-amil acetate

Concen: 2.233 ug/l

RT: 12.04 min Scan# 3203

Delta R.T. -0.01 min

Lab File: VN063791.D

Acq: 2 Oct 2020 00:08

Tgt Ion: 43 Resp: 95

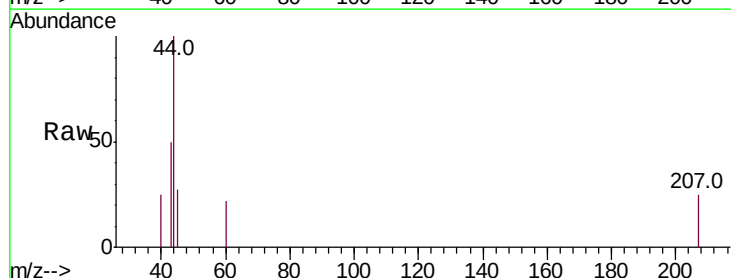
Ion Ratio Lower Upper

43 100

70 0.0 29.8 44.8#

55 0.0 17.9 26.9#

61 0.0 17.0 25.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

500

400

300

200

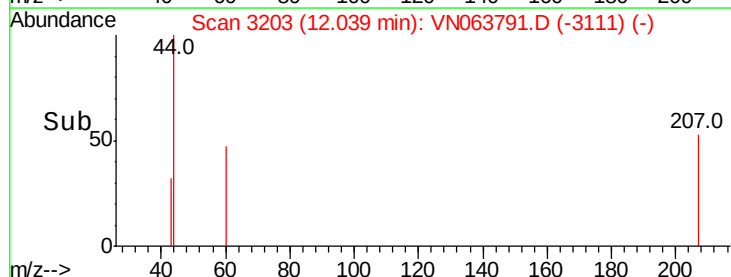
100

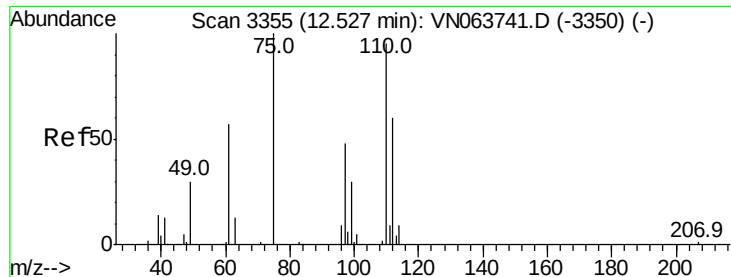
0

12.04

12.02 12.04

Time-->





#76

1,2,3-Trichloropropane

Concen: 30.334 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063791.D

Acq: 2 Oct 2020 00:08

Instrument :

MSVOA_N

ClientSampled :

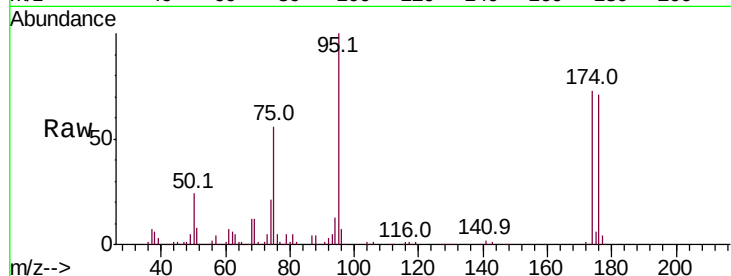
VN1001WBL02

Tot Ion: 75 Resp: 107775

Ion Ratio Lower Upper

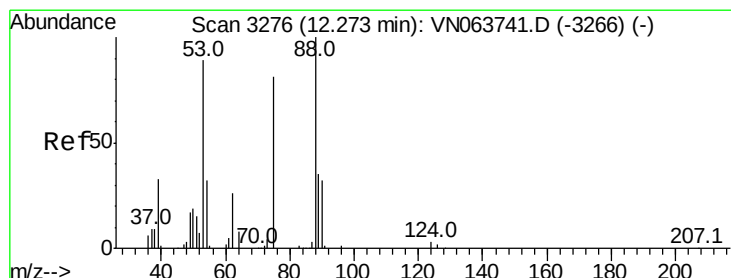
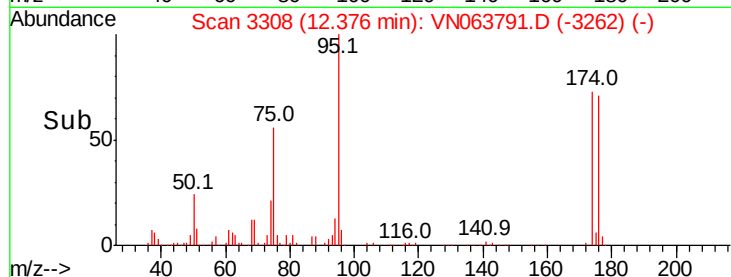
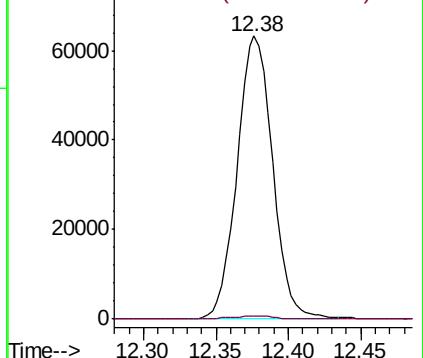
75 100

77 1.3 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: 87.365 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063791.D

Acq: 2 Oct 2020 00:08

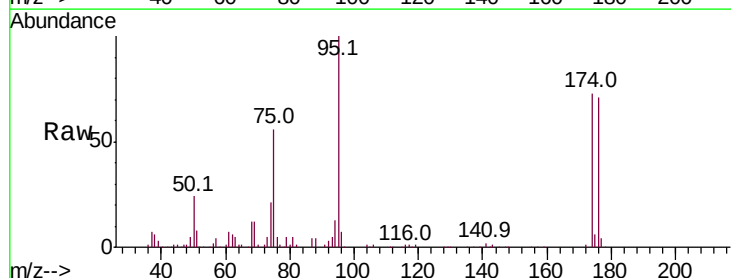
Tgt Ion: 75 Resp: 107775

Ion Ratio Lower Upper

75 100

53 0.1 88.2 132.2#

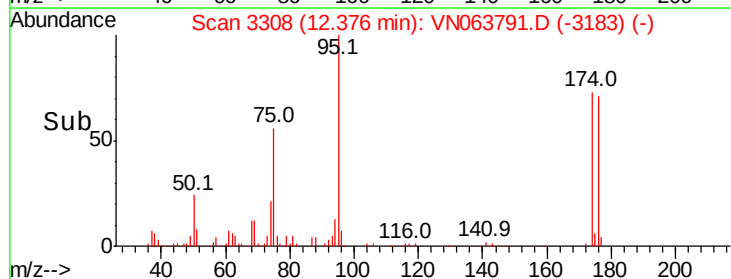
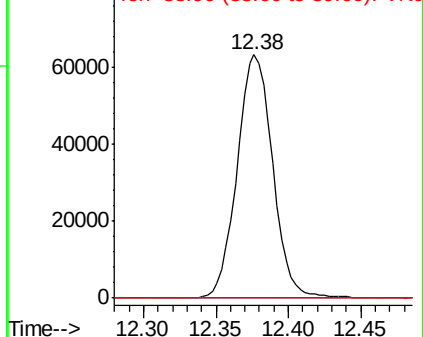
89 0.0 36.0 54.0#

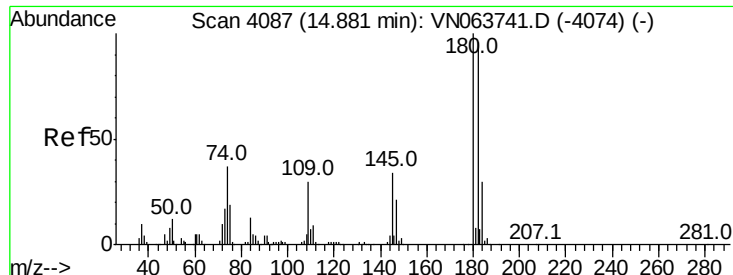


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

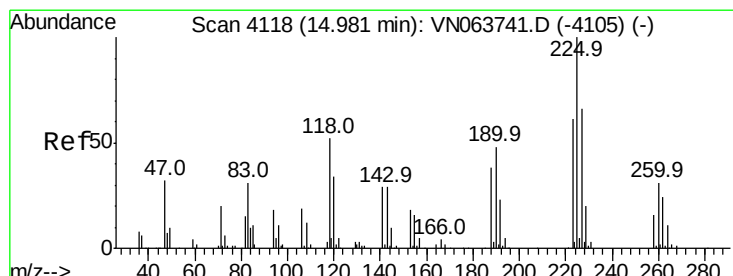
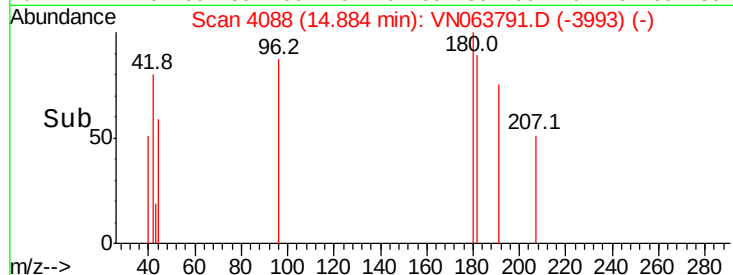
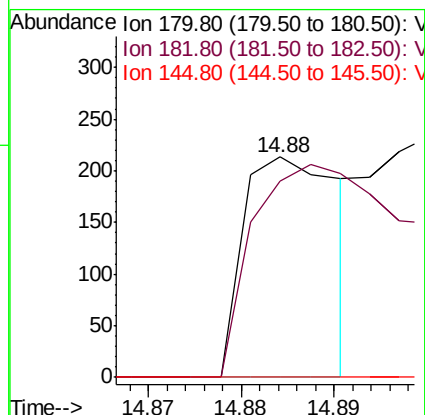
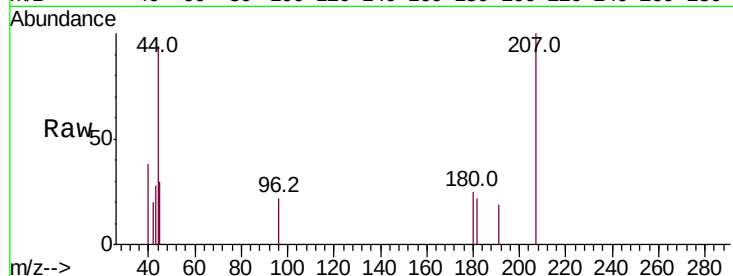




#93
 1,2,4-Trichlorobenzene
 Concen: 1.789 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN063791.D
 Acq: 2 Oct 2020 00:08

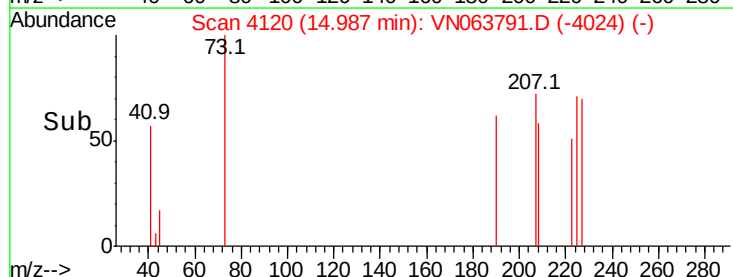
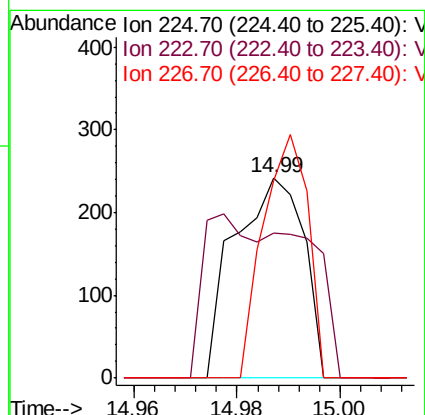
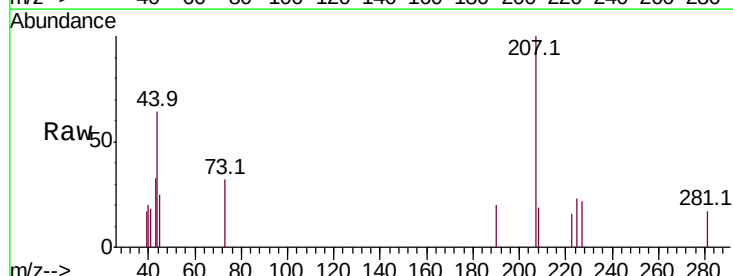
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001WBL02

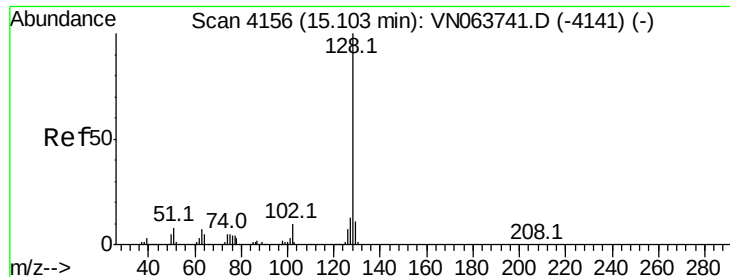
Tot Ion:180 Resp: 154
 Ion Ratio Lower Upper
 180 100
 182 172.7 48.2 144.6#
 145 0.0 17.1 51.2#



#94
 Hexachlorobutadiene
 Concen: 0.227 ug/l
 RT: 14.99 min Scan# 4120
 Delta R.T. 0.01 min
 Lab File: VN063791.D
 Acq: 2 Oct 2020 00:08

Tgt Ion:225 Resp: 225
 Ion Ratio Lower Upper
 225 100
 223 62.2 30.3 91.0
 227 78.2 31.9 95.5





#95

Naphthalene

Concen: 2.050 ug/l

RT: 15.11 min Scan# 4159

Delta R.T. 0.01 min

Lab File: VN063791.D

Acq: 2 Oct 2020 00:08

Instrument :

MSVOA_N

ClientSampleId :

VN1001WBL02

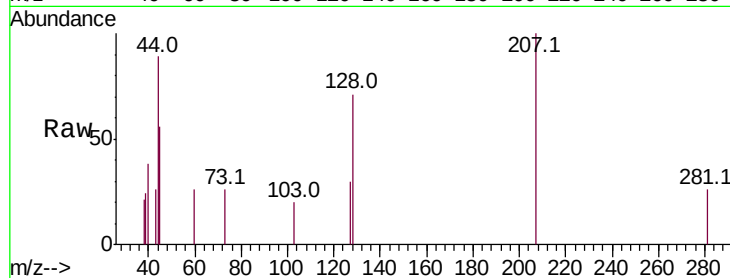
Tot Ion:128 Resp: 1138

Ion Ratio Lower Upper

128 100

127 10.6 10.5 15.7

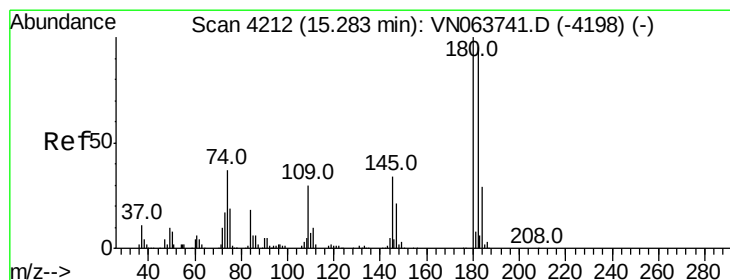
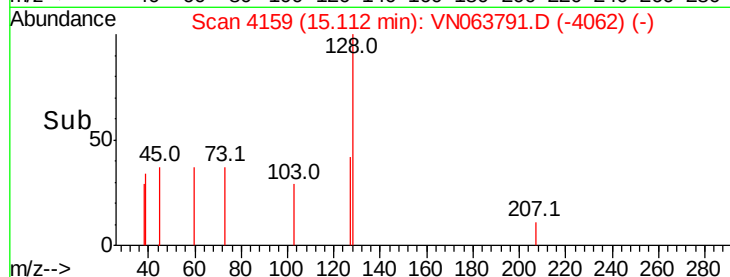
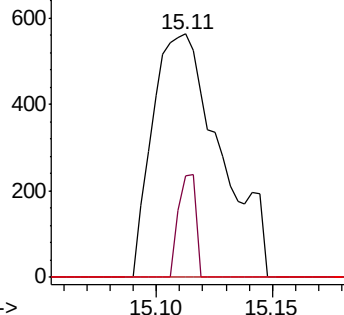
129 0.0 8.7 13.1#



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: 1.676 ug/l

RT: 15.29 min Scan# 4215

Delta R.T. 0.01 min

Lab File: VN063791.D

Acq: 2 Oct 2020 00:08

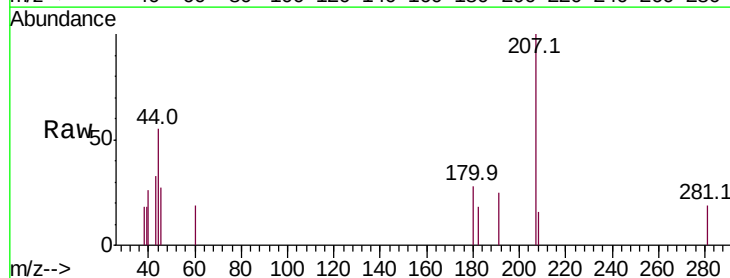
Tgt Ion:180 Resp: 303

Ion Ratio Lower Upper

180 100

182 116.8 47.9 143.6

145 0.0 17.2 51.5#



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

