

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN093020\
 Data File : VN063745.D
 Acq On : 30 Sep 2020 13:27
 Operator : JC/MD
 Sample : VN0930MBL01
 Misc : 5.00µ/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0930MBL01

Quant Time: Oct 01 02:12:47 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	7.62	168	242180	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	435464	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	428666	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	183202	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	197072	49.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.52%	
35) Dibromofluoromethane	7.55	113	143233	47.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.80%	
50) Toluene-d8	10.06	98	550575	48.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.14%	
62) 4-Bromofluorobenzene	12.38	95	212012	49.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.48%	

Target Compounds

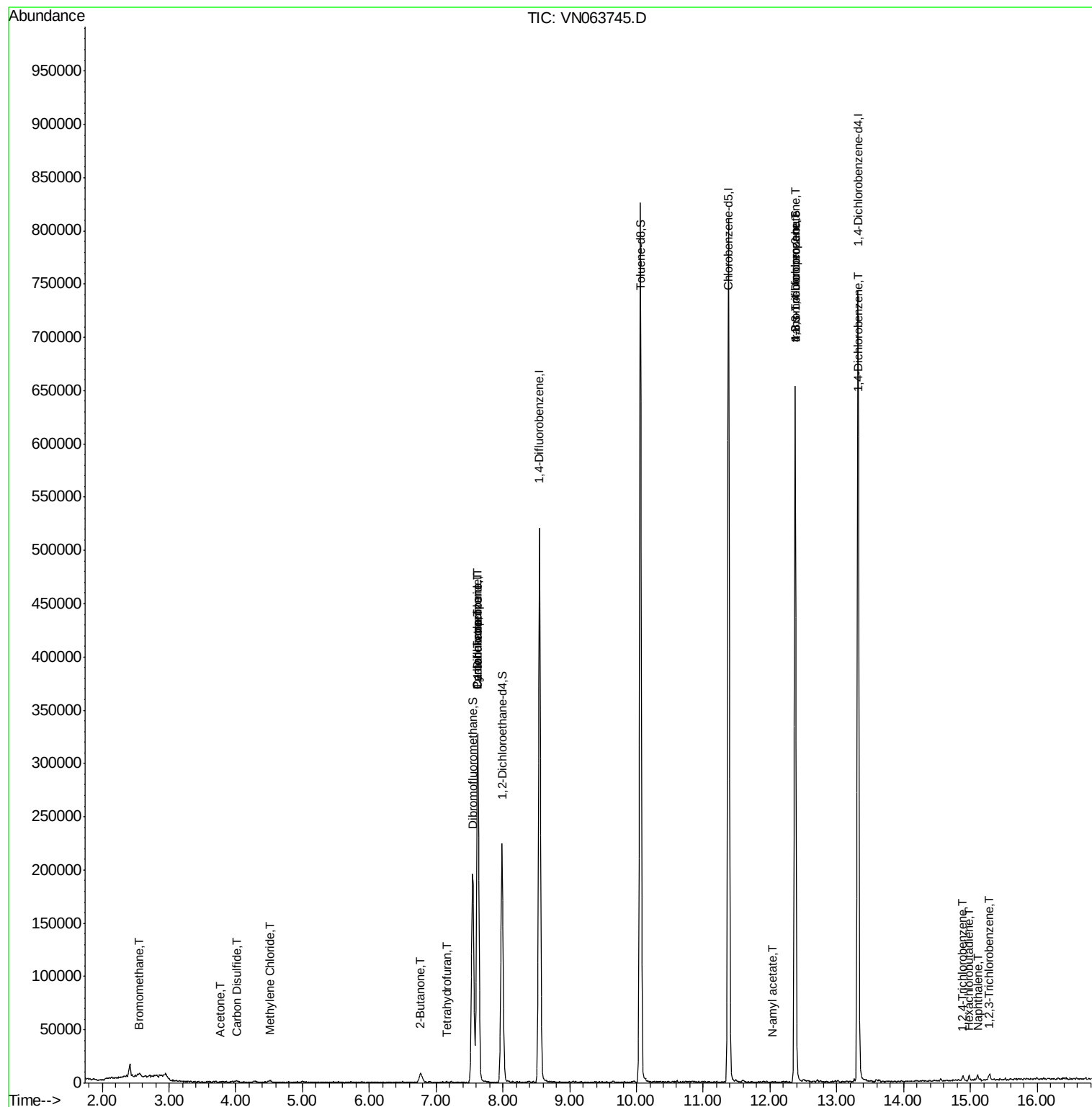
					Qvalue	
5) Bromomethane	2.55	94	901	0.476	ug/l	82
16) Acetone	3.77	43	580	0.471	ug/l #	53
17) Carbon Disulfide	4.01	76	1516	0.927	ug/l #	76
20) Methylene Chloride	4.51	84	588	0.306	ug/l #	27
25) 2-Butanone	6.77	43	438	0.251	ug/l #	51
29) Tetrahydrofuran	7.16	42	267	0.228	ug/l #	36
31) Cyclohexane	7.62	56	6640	1.430	ug/l #	26
36) 1,1-Dichloropropene	7.62	75	22866	5.183	ug/l #	50
38) Carbon Tetrachloride	7.63	117	26242	5.305	ug/l #	14
74) N-amyl acetate	12.04	43	221	2.250	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	123375	30.550	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	123375	87.988	ug/l #	6
88) 1,4-Dichlorobenzene	13.33	146	1318	0.213	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.88	180	1375	2.152	ug/l #	55
94) Hexachlorobutadiene	14.98	225	847	0.598	ug/l	81
95) Naphthalene	15.11	128	5464	2.456	ug/l #	86
96) 1,2,3-Trichlorobenzene	15.29	180	2173	2.247	ug/l	95

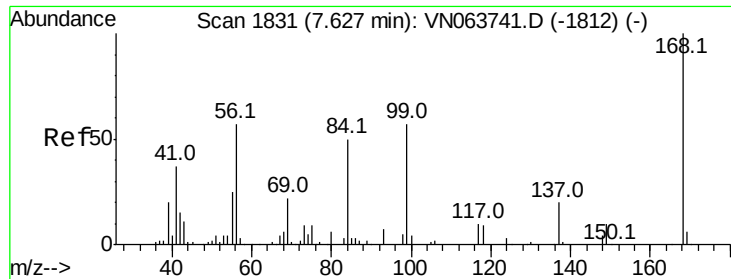
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN093020\
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ALS Vial : 11 Sample Multiplier: 1

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Quant Title : SW846 8260
QLast Update : Thu Oct 01 01:46:38 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: VN063745.D

Acq: 30 Sep 2020 13:27

Instrument :

MSVOA_N

ClientSampleId :

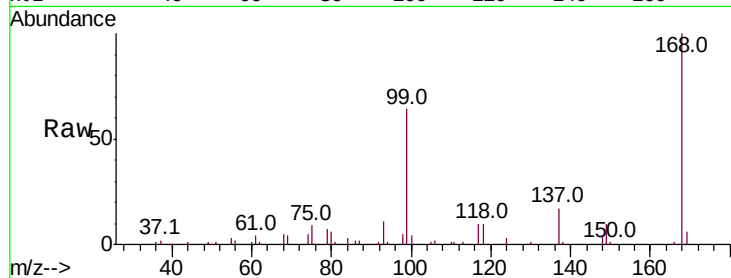
VN0930MBL01

Tot Ion:168 Resp: 242180

Ion Ratio Lower Upper

168 100

99 64.4 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

120000

100000

80000

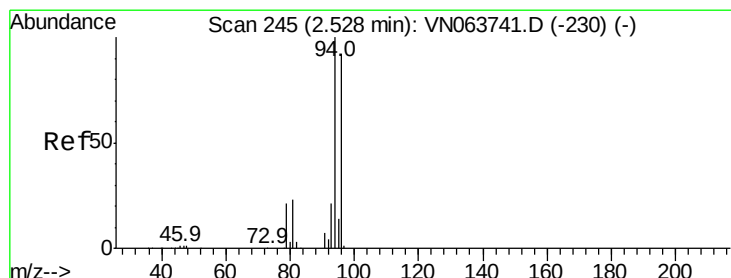
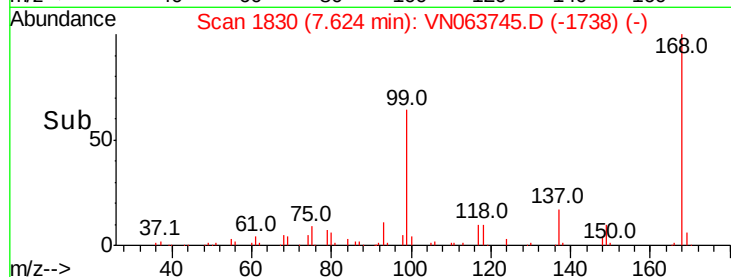
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#5

Bromomethane

Concen: 0.476 ug/l

RT: 2.55 min Scan# 251

Delta R.T. 0.02 min

Lab File: VN063745.D

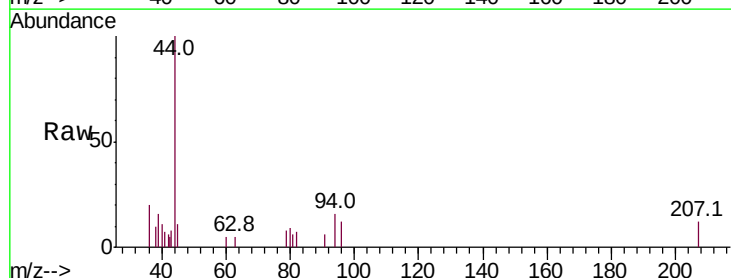
Acq: 30 Sep 2020 13:27

Tgt Ion: 94 Resp: 901

Ion Ratio Lower Upper

94 100

96 74.3 73.3 109.9



Abundance Ion 93.90 (93.60 to 94.60): VN

Ion 95.90 (95.60 to 96.60): VN

2.55

500

400

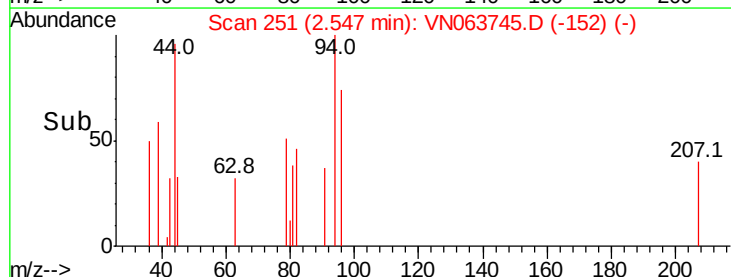
300

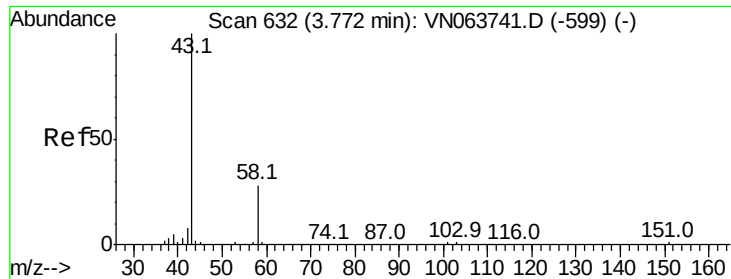
200

100

0

Time--> 2.50 2.55 2.60





#16

Acetone

Concen: 0.471 ug/l

RT: 3.77 min Scan# 632

Delta R.T. 0.00 min

Lab File: VN063745.D

Acq: 30 Sep 2020 13:27

Instrument :

MSVOA_N

ClientSampleId :

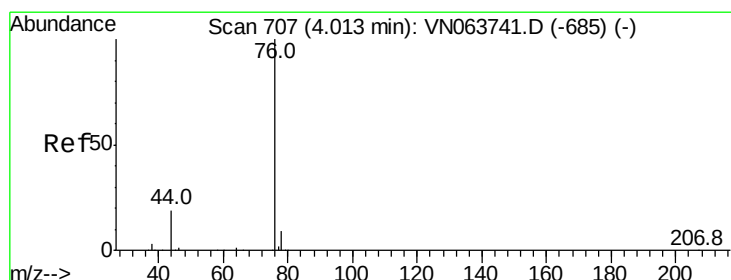
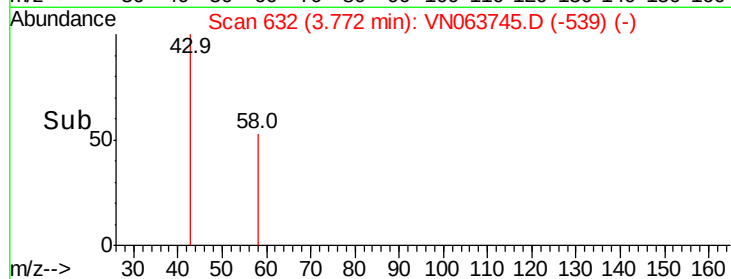
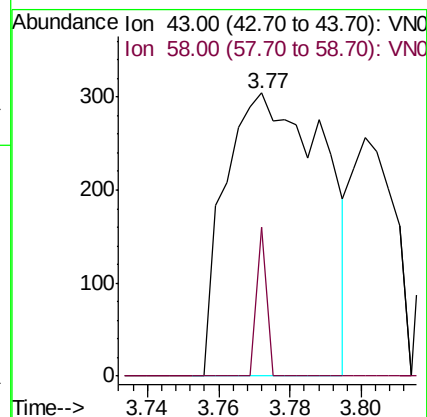
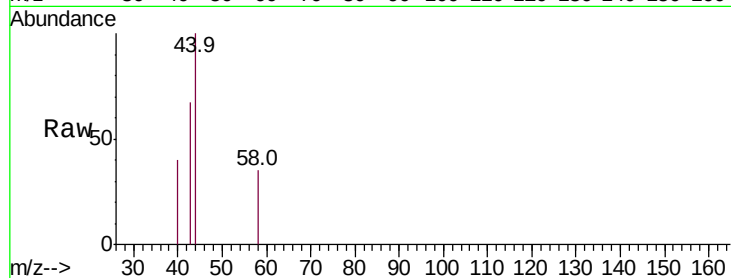
VN0930MBL01

Tot Ion: 43 Resp: 580

Ion Ratio Lower Upper

43 100

58 52.6 22.3 33.5#



#17

Carbon Disulfide

Concen: 0.927 ug/l

RT: 4.01 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN063745.D

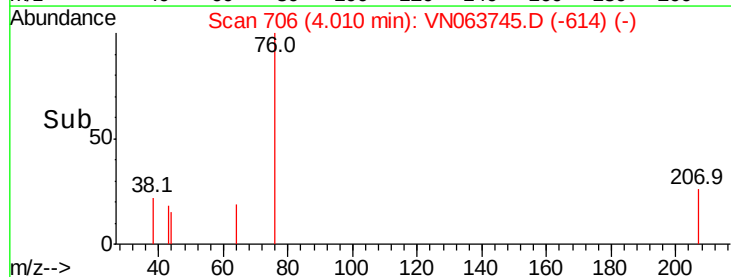
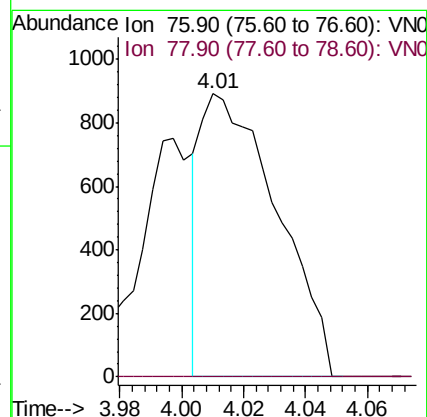
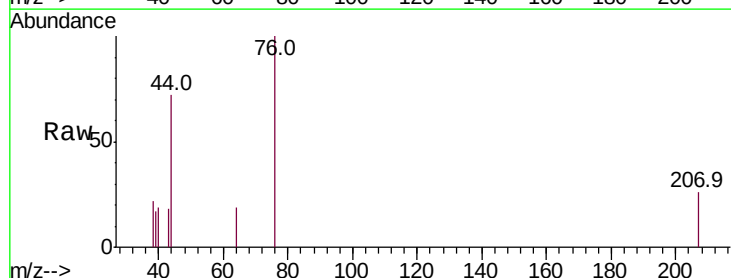
Acq: 30 Sep 2020 13:27

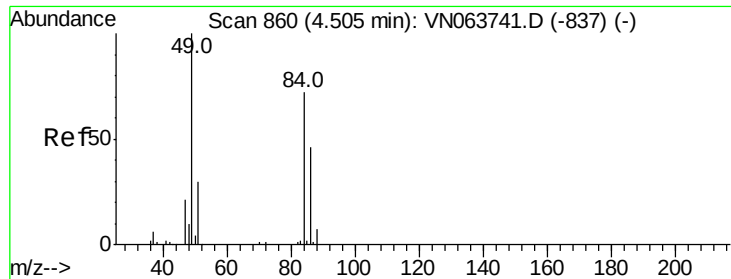
Tgt Ion: 76 Resp: 1516

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.4#

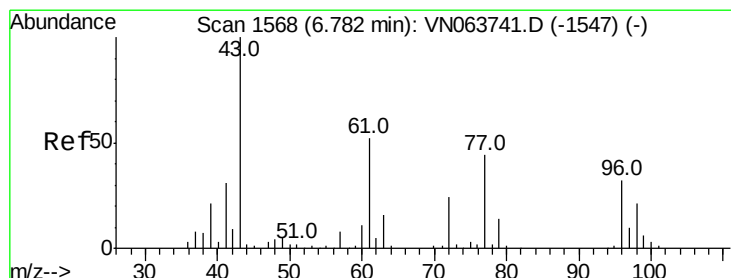
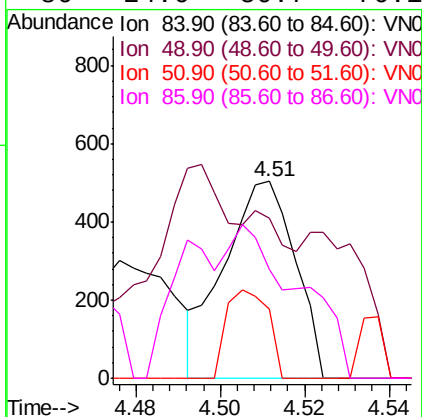
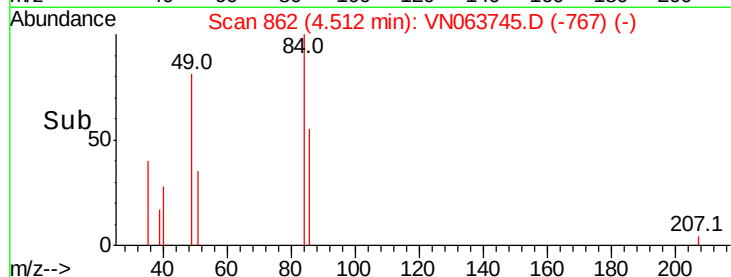
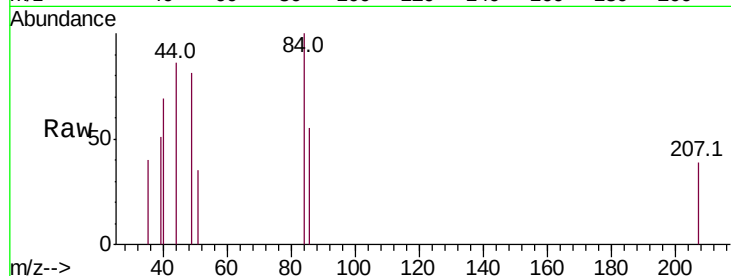




#20
Methvlene Chloride
Concen: 0.306 ug/l
RT: 4.51 min Scan# 862
Delta R.T. 0.01 min
Lab File: VN063745.D
Acq: 30 Sep 2020 13:27

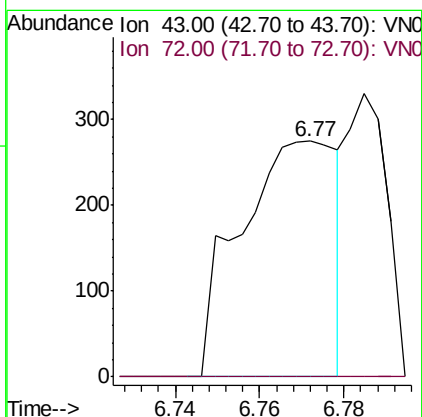
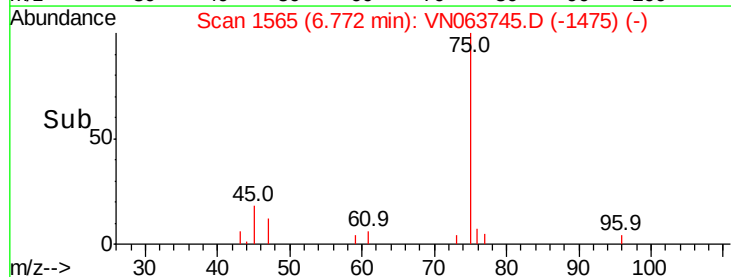
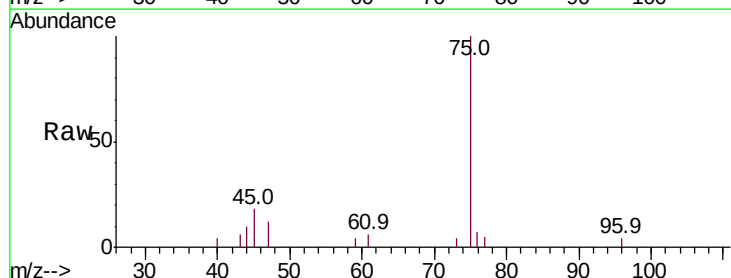
Instrument :
MSVOA_N
ClientSampled :
VN0930MBL01

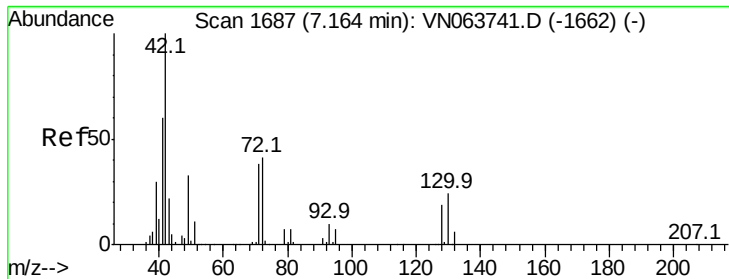
Tot Ion: 84 Resp: 588
Ion Ratio Lower Upper
84 100
49 15.3 110.4 165.6#
51 34.9 33.3 49.9
86 24.6 50.7 76.1#



#25
2-Butanone
Concen: 0.251 ug/l
RT: 6.77 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VN063745.D
Acq: 30 Sep 2020 13:27

Tgt Ion: 43 Resp: 438
Ion Ratio Lower Upper
43 100
72 0.0 19.3 28.9#





#29

Tetrahydrofuran

Concen: 0.228 ug/l

RT: 7.16 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VN063745.D

Acq: 30 Sep 2020 13:27

Instrument :

MSVOA_N

ClientSampleId :

VN0930MBL01

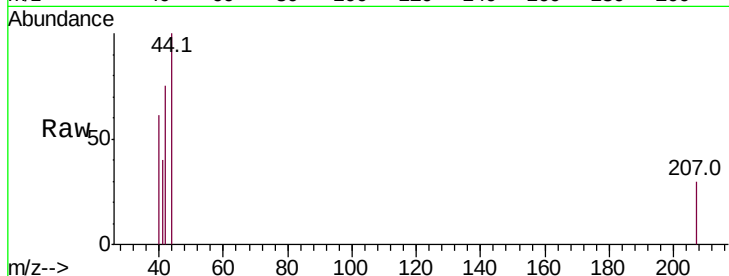
Tot Ion: 42 Resp: 267

Ion Ratio Lower Upper

42 100

72 0.0 32.8 49.2#

71 0.0 30.6 45.8#

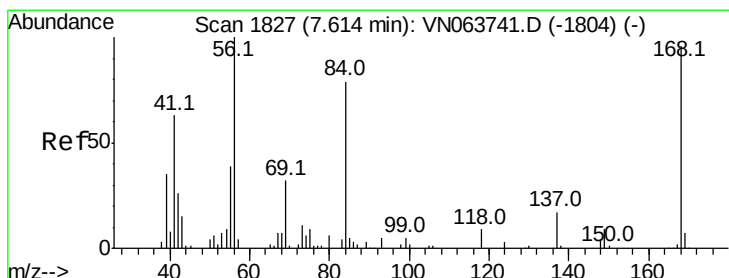
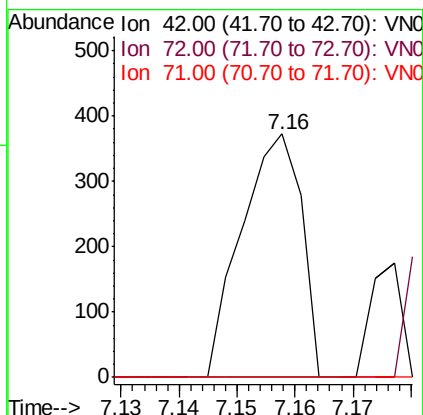
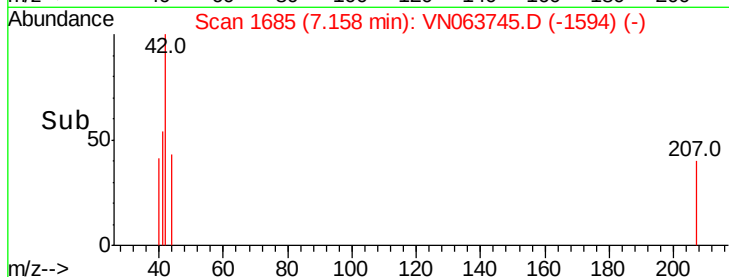


Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

Time--> 7.13 7.14 7.15 7.16 7.17



#31

Cyclohexane

Concen: 1.430 ug/l

RT: 7.62 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN063745.D

Acq: 30 Sep 2020 13:27

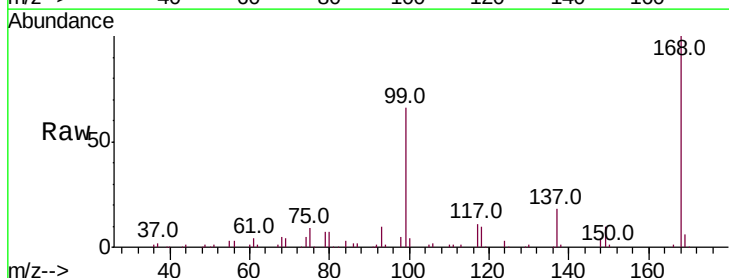
Tgt Ion: 56 Resp: 6640

Ion Ratio Lower Upper

56 100

69 141.5 25.4 38.2#

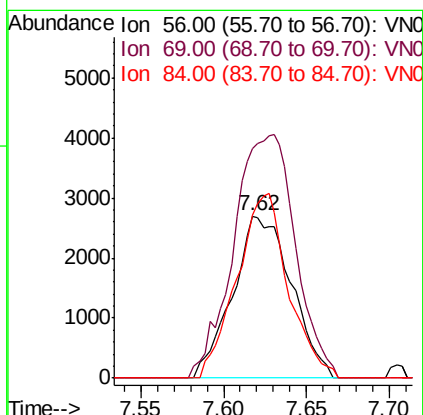
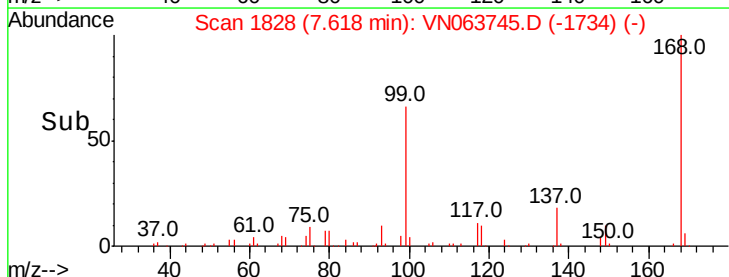
84 100.6 63.3 94.9#

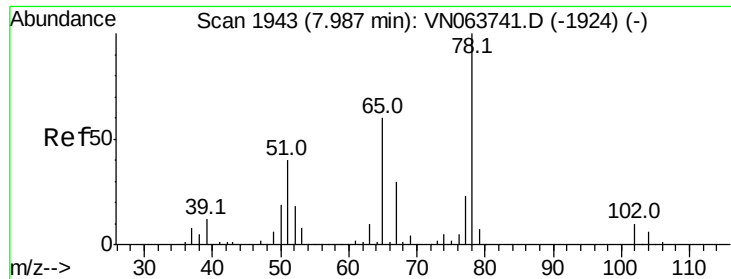


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

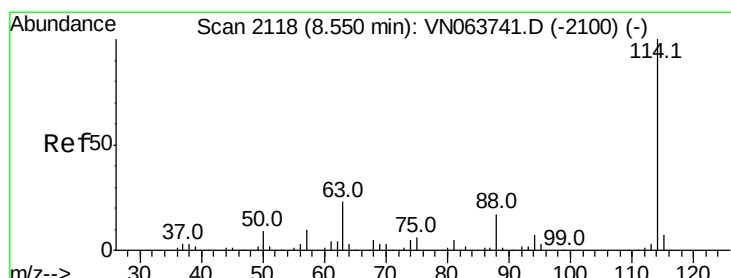
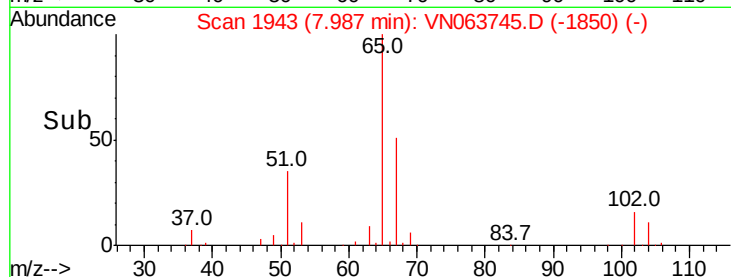
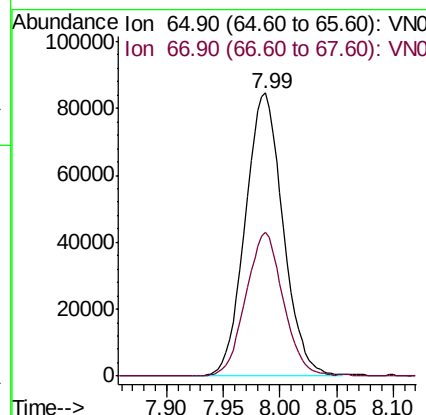
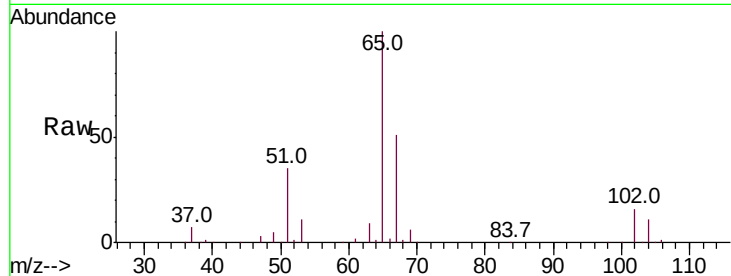




#33
 1,2-Dichloroethane-d4
 Concen: 49.256 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN063745.D
 Acq: 30 Sep 2020 13:27

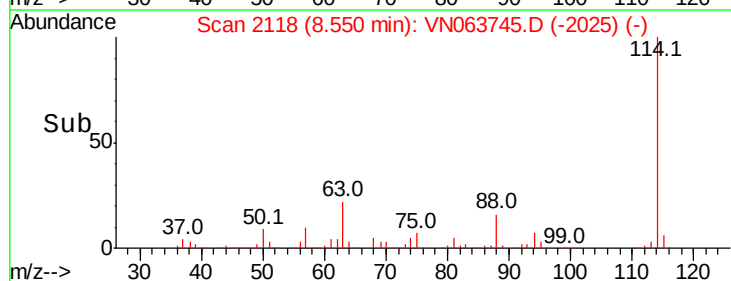
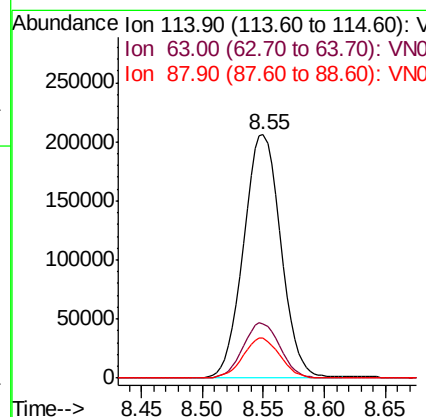
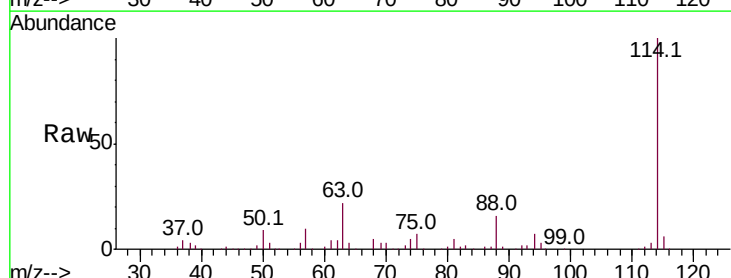
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0930MBL01

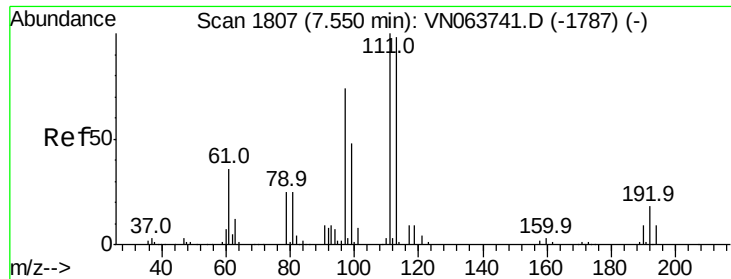
Tot Ion: 65 Resp: 197072
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 99.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063745.D
 Acq: 30 Sep 2020 13:27

Tgt Ion: 114 Resp: 435464
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 45.0
 88 16.3 0.0 34.0

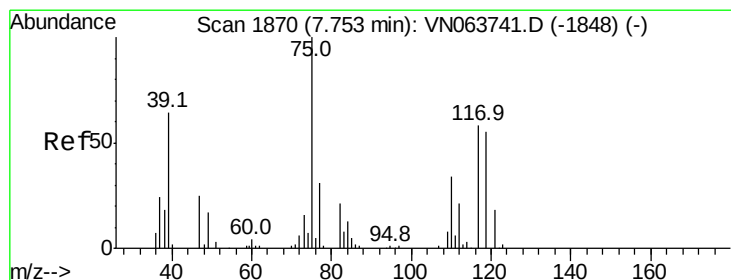
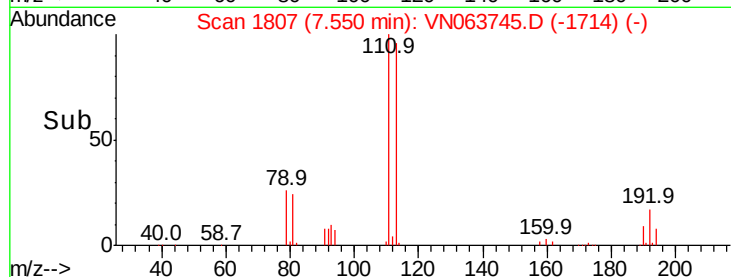
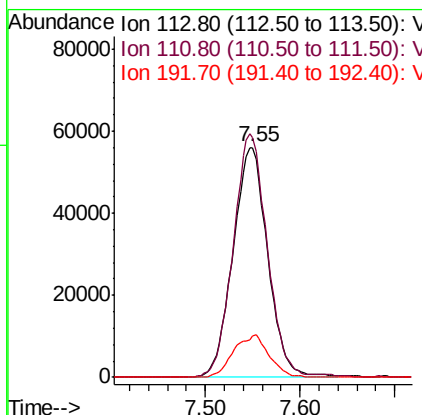
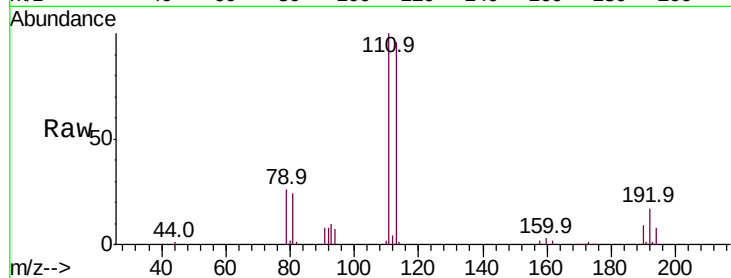




#35
Dibromofluoromethane
Concen: 47.403 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN063745.D
Acq: 30 Sep 2020 13:27

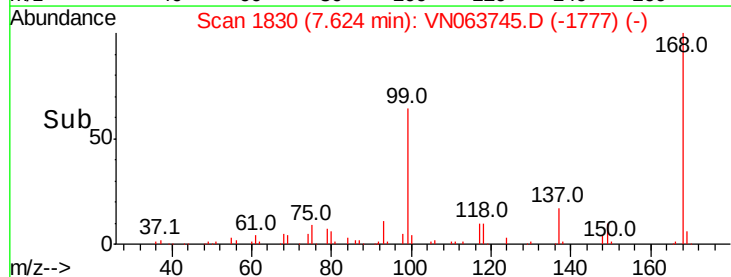
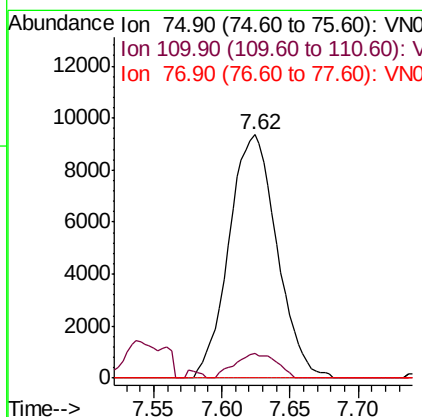
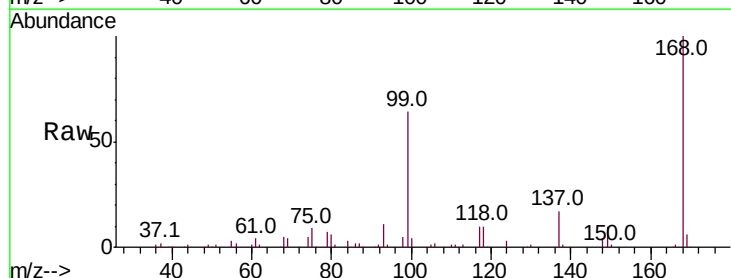
Instrument :
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VN0930MBL01

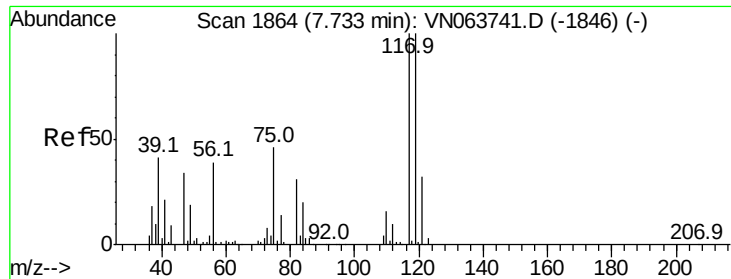
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.8	122.8
192	18.8	14.2	21.2



#36
1,1-Dichloropropene
Concen: 5.183 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. -0.13 min
Lab File: VN063745.D
Acq: 30 Sep 2020 13:27

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

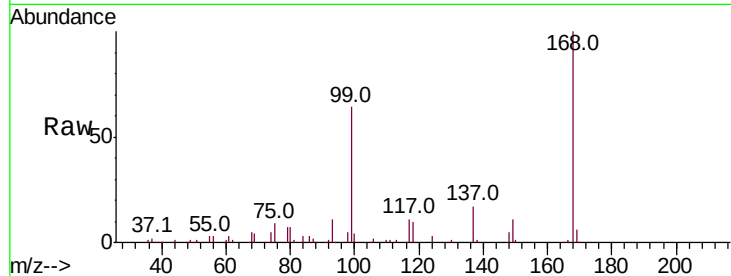




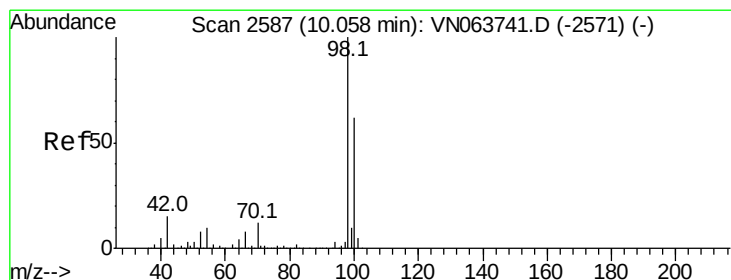
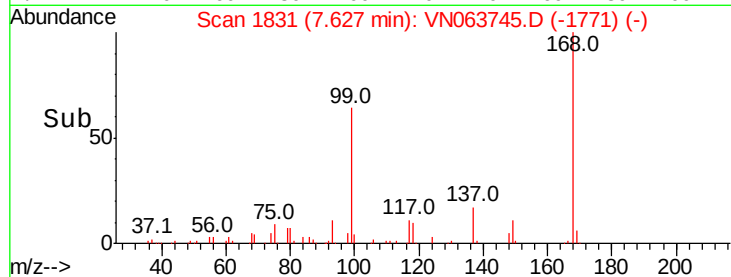
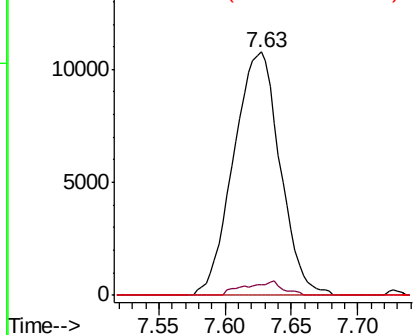
#38
Carbon Tetrachloride
Concen: 5.305 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN063745.D
Acq: 30 Sep 2020 13:27

Instrument :
MSVOA_N
ClientSampleId :
VN0930MBL01

Tot Ion:117 Resp: 26242
Ion Ratio Lower Upper
117 100
119 4.3 80.1 120.1#
121 0.0 25.7 38.5#

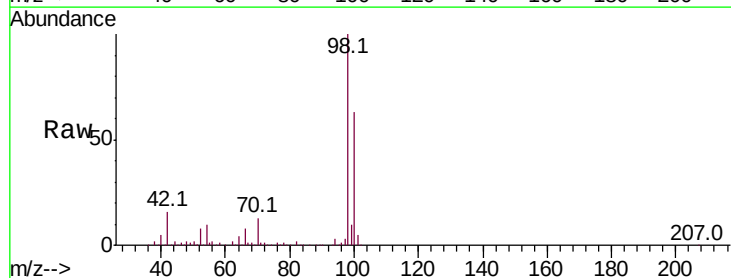


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

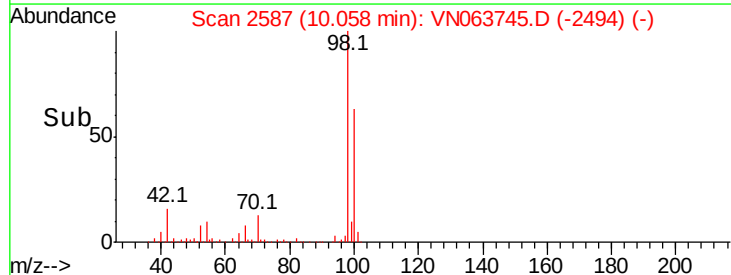
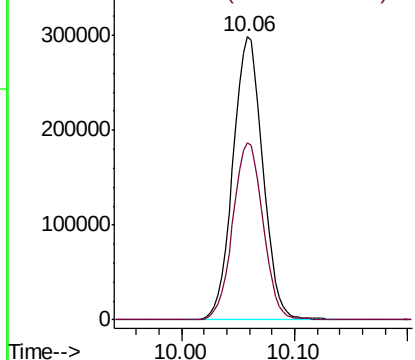


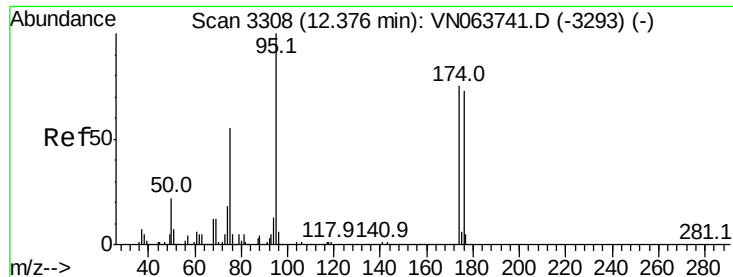
#50
Toluene-d8
Concen: 48.066 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN063745.D
Acq: 30 Sep 2020 13:27

Tgt Ion: 98 Resp: 550575
Ion Ratio Lower Upper
98 100
100 63.2 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: 49.238 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN063745.D

Acq: 30 Sep 2020 13:27

Instrument :

MSVOA_N

ClientSampleId :

VN0930MBL01

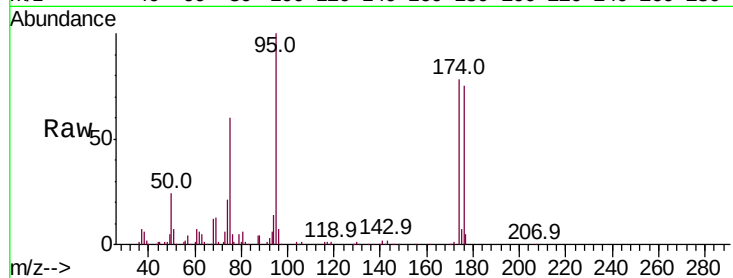
Tot Ion: 95 Resp: 212012

Ion Ratio Lower Upper

95 100

174 75.7 0.0 150.6

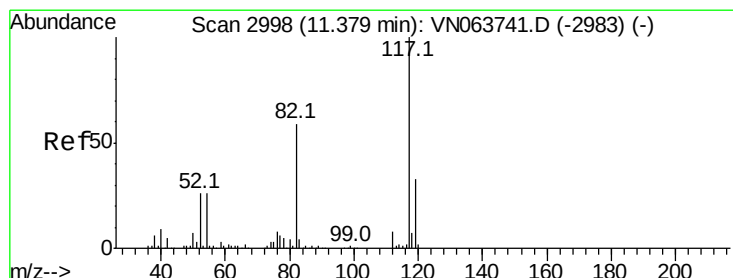
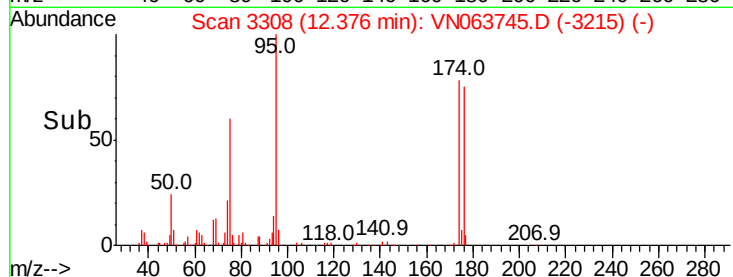
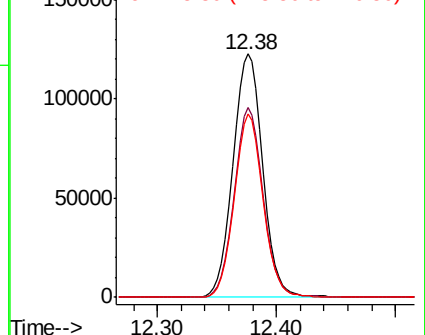
176 72.8 0.0 145.4



Abundance Ion 94.90 (94.60 to 95.60): VN063745.D (-3293) (-)

Ion 173.80 (173.50 to 174.50): VN063745.D (-3293) (-)

Ion 175.80 (175.50 to 176.50): VN063745.D (-3293) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN063745.D

Acq: 30 Sep 2020 13:27

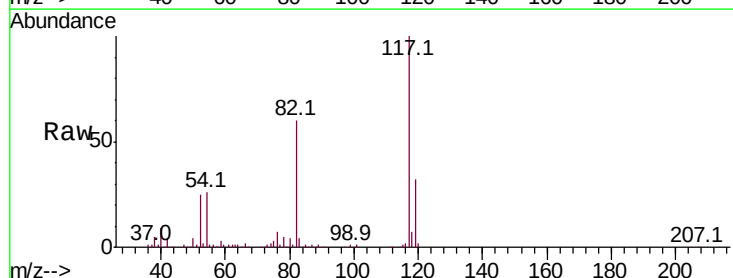
Tgt Ion: 117 Resp: 428666

Ion Ratio Lower Upper

117 100

82 59.7 47.4 71.2

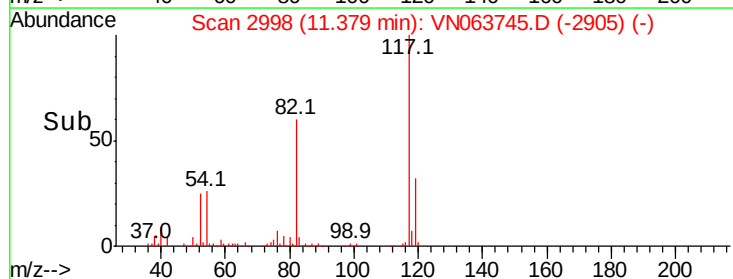
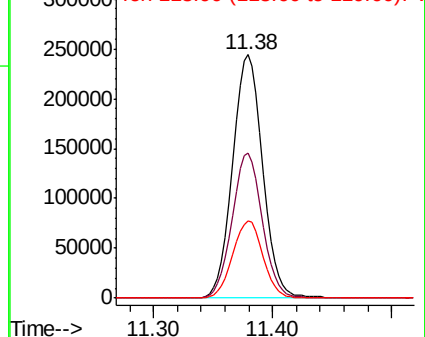
119 31.9 26.4 39.6

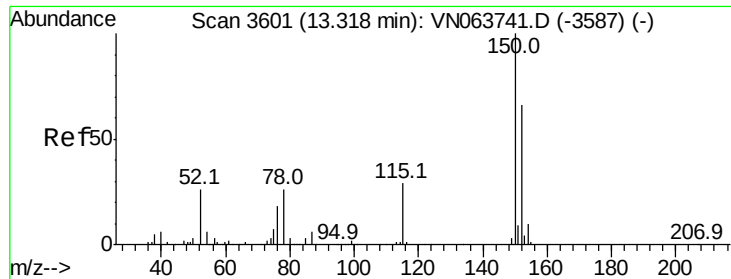


Abundance Ion 116.90 (116.60 to 117.60): VN063745.D (-2983) (-)

Ion 82.00 (81.70 to 82.70): VN063745.D (-2983) (-)

Ion 118.90 (118.60 to 119.60): VN063745.D (-2983) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN063745.D

Acq: 30 Sep 2020 13:27

Instrument :

MSVOA_N

ClientSampleId :

VN0930MBL01

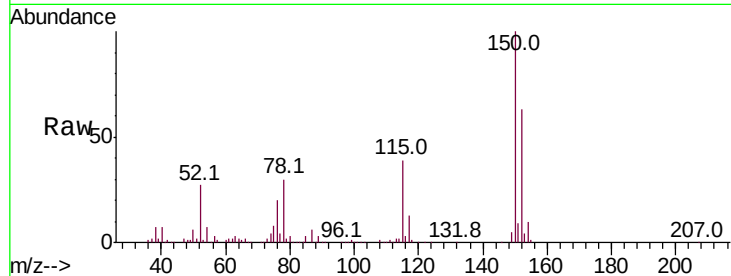
Tot Ion:152 Resp: 183202

Ion Ratio Lower Upper

152 100

115 62.7 31.3 93.8

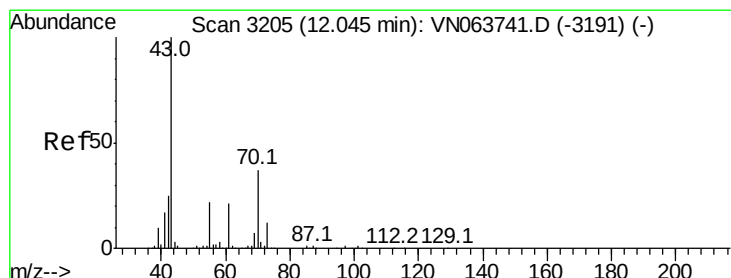
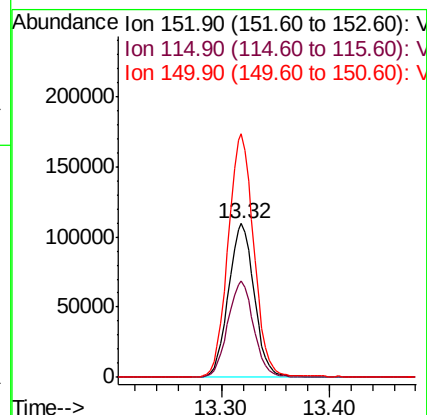
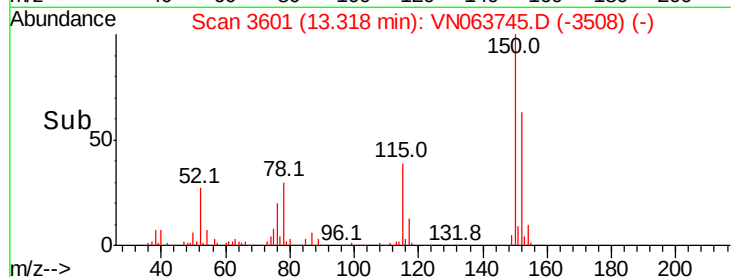
150 156.6 0.0 341.8



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



#74

N-ethyl acetate

Concen: 2.250 ug/l

RT: 12.04 min Scan# 3202

Delta R.T. -0.01 min

Lab File: VN063745.D

Acq: 30 Sep 2020 13:27

Tgt Ion: 43 Resp: 221

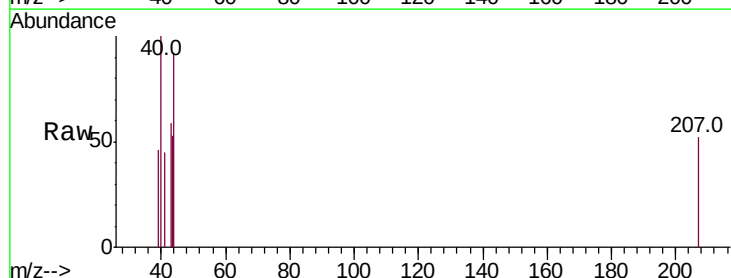
Ion Ratio Lower Upper

43 100

70 0.0 29.8 44.8#

55 0.0 17.9 26.9#

61 0.0 17.0 25.4#

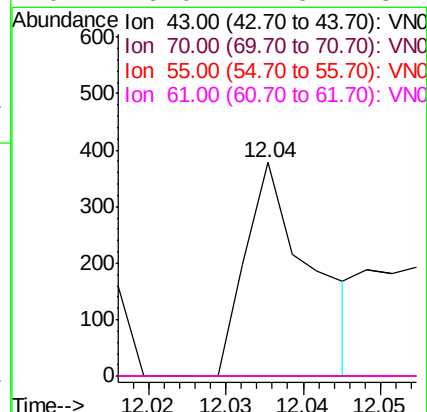
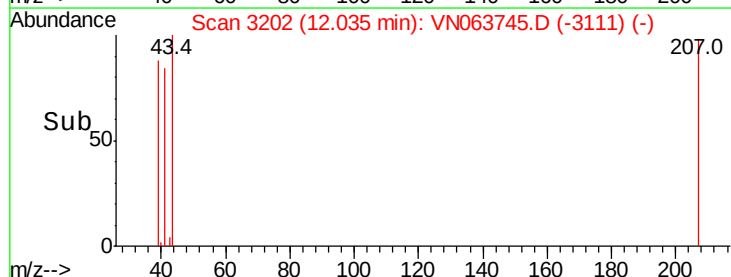


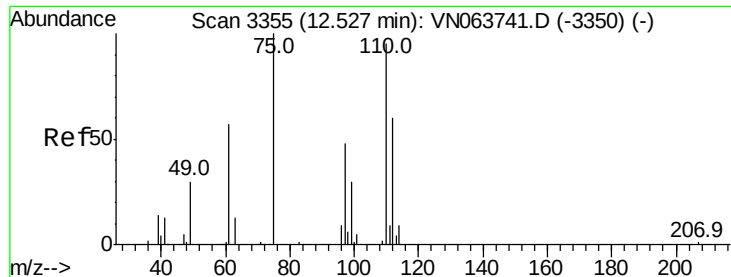
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 30.550 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063745.D

Acq: 30 Sep 2020 13:27

Instrument :

MSVOA_N

ClientSampleId :

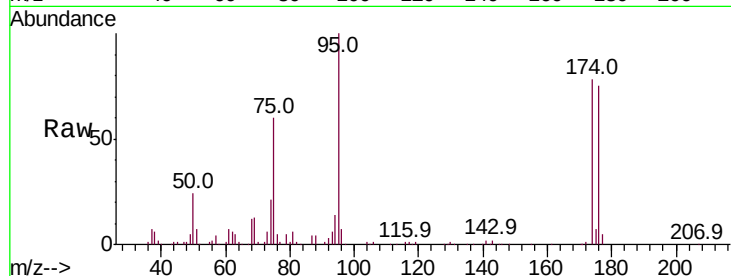
VN0930MBL01

Tot Ion: 75 Resp: 123375

Ion Ratio Lower Upper

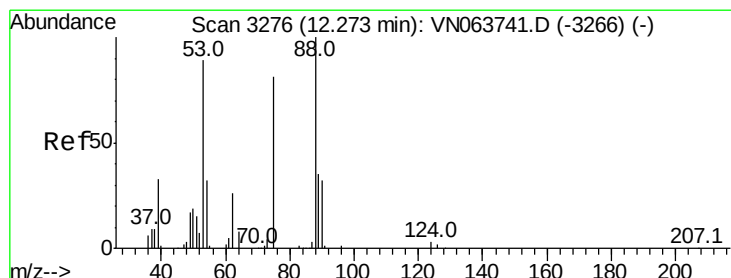
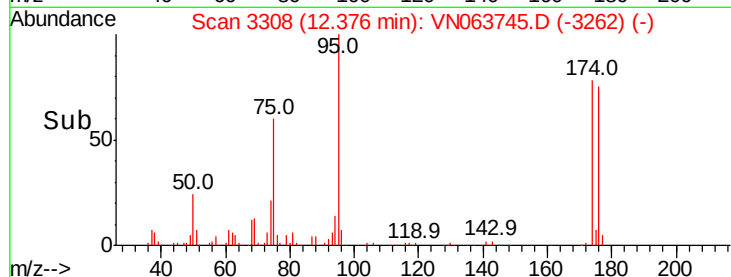
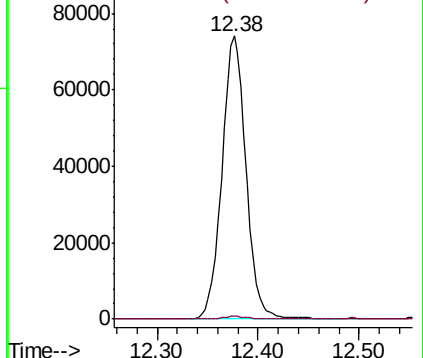
75 100

77 1.0 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: 87.988 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063745.D

Acq: 30 Sep 2020 13:27

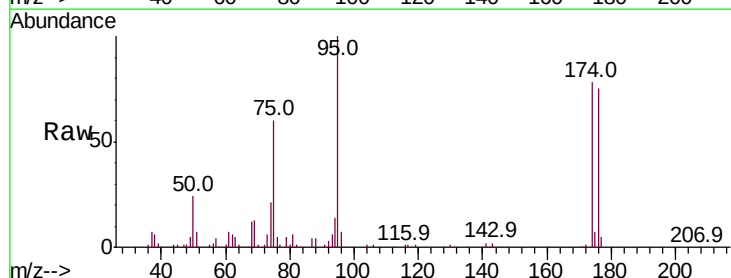
Tgt Ion: 75 Resp: 123375

Ion Ratio Lower Upper

75 100

53 0.0 88.2 132.2#

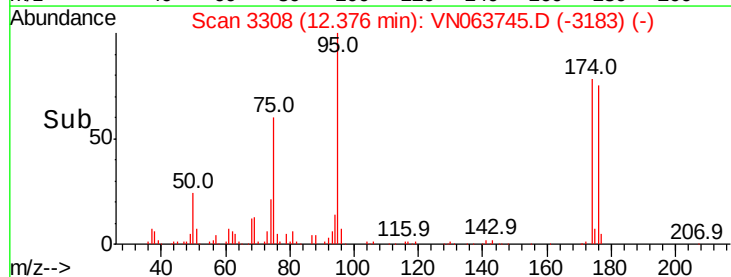
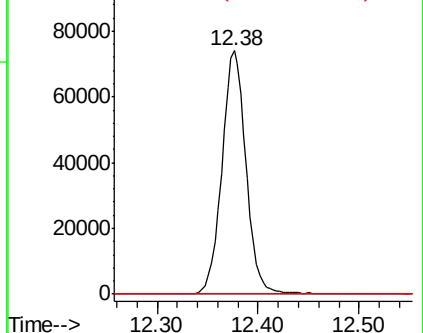
89 0.0 36.0 54.0#

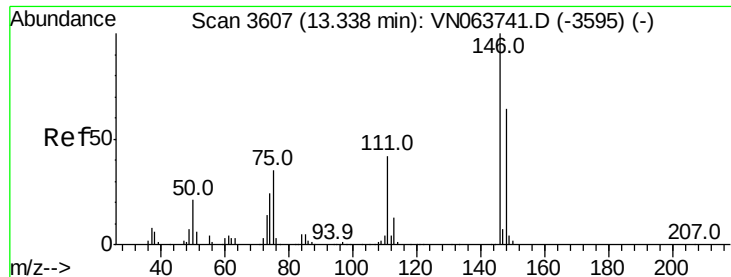


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#88

1,4-Dichlorobenzene

Concen: 0.213 ug/l

RT: 13.33 min Scan# 3606

Delta R.T. -0.00 min

Lab File: VN063745.D

Acq: 30 Sep 2020 13:27

Instrument :

MSVOA_N

ClientSampled :

VN0930MBL01

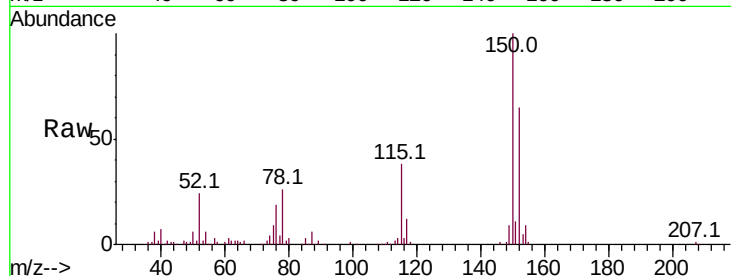
Tot Ion:146 Resp: 1318

Ion Ratio Lower Upper

146 100

111 238.5 21.3 63.7#

148 51.2 32.0 96.0

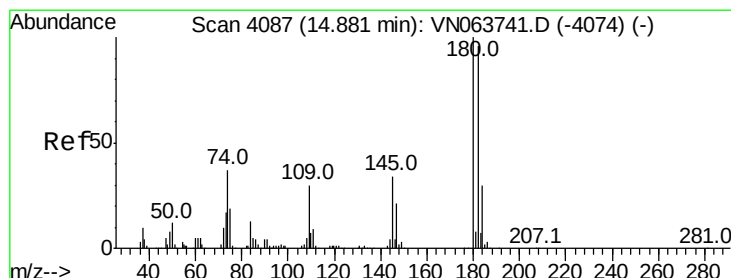
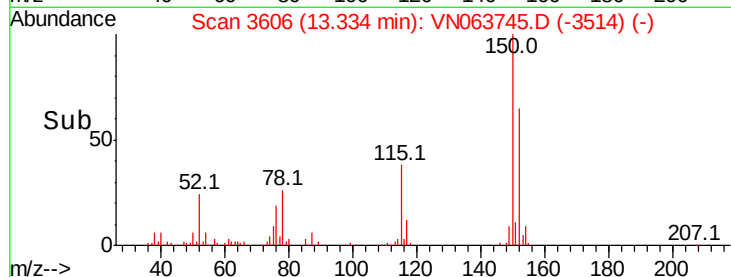
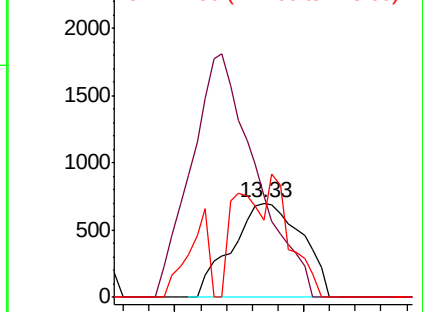


Abundance

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



#93

1,2,4-Trichlorobenzene

Concen: 2.152 ug/l

RT: 14.88 min Scan# 4088

Delta R.T. 0.00 min

Lab File: VN063745.D

Acq: 30 Sep 2020 13:27

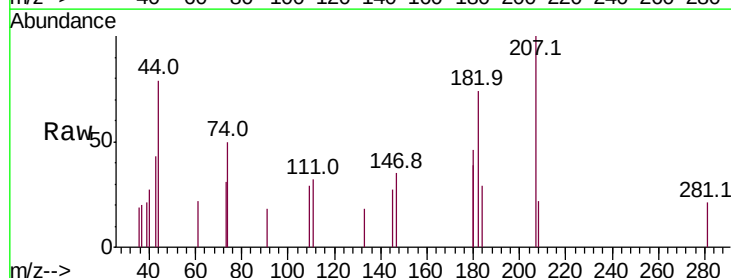
Tgt Ion:180 Resp: 1375

Ion Ratio Lower Upper

180 100

182 47.9 48.2 144.6#

145 15.1 17.1 51.2#

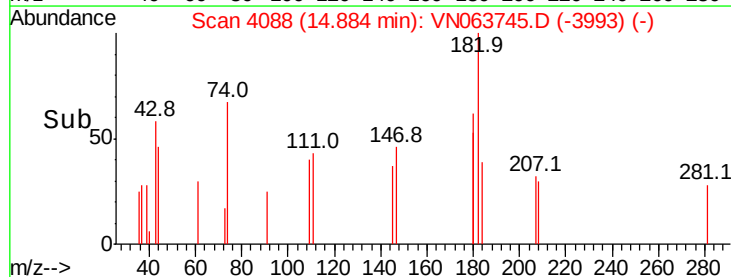
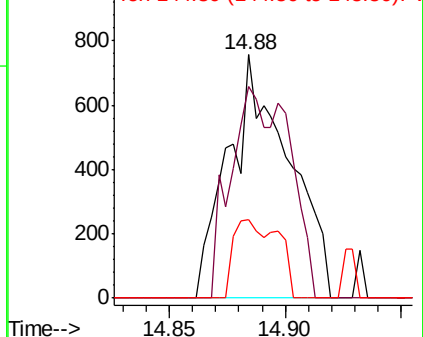


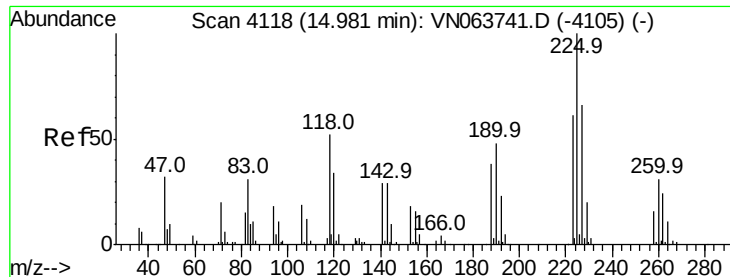
Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 0.598 ug/l

RT: 14.98 min Scan# 4119

Delta R.T. 0.00 min

Lab File: VN063745.D

Acq: 30 Sep 2020 13:27

Instrument :

MSVOA_N

ClientSampled :

VN0930MBL01

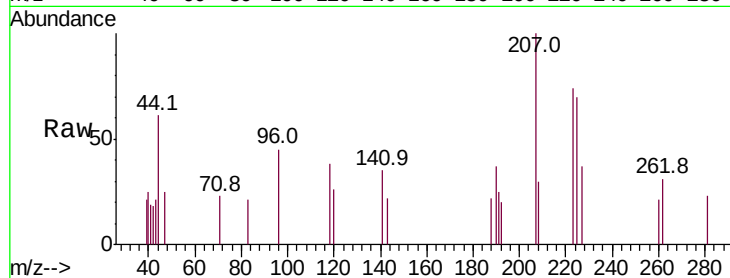
Tot Ion:225 Resp: 847

Ion Ratio Lower Upper

225 100

223 89.5 30.3 91.0

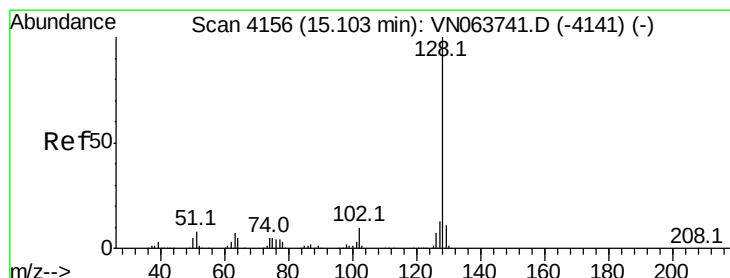
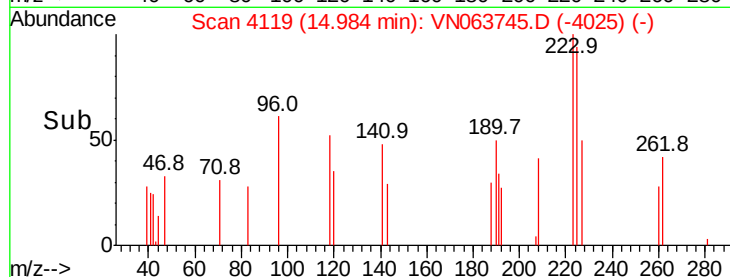
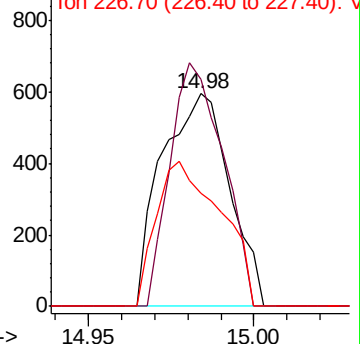
227 64.9 31.9 95.5



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: 2.456 ug/l

RT: 15.11 min Scan# 4158

Delta R.T. 0.01 min

Lab File: VN063745.D

Acq: 30 Sep 2020 13:27

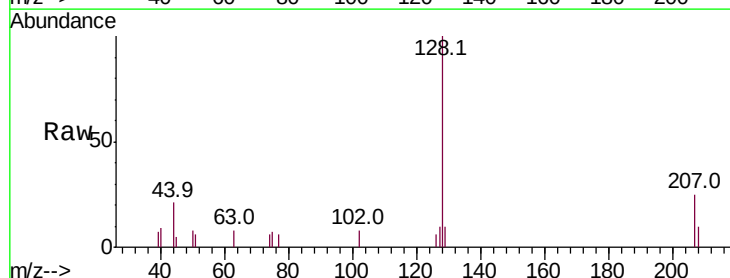
Tgt Ion:128 Resp: 5464

Ion Ratio Lower Upper

128 100

127 5.9 10.5 15.7#

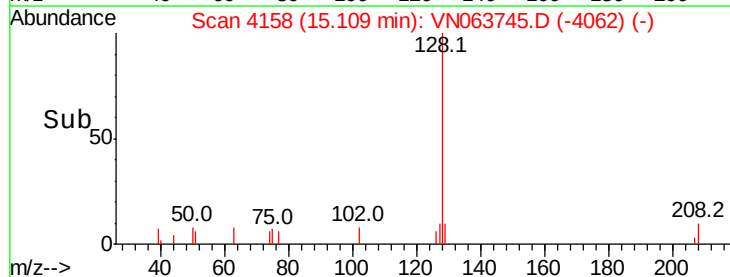
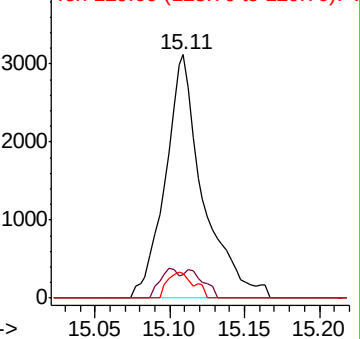
129 7.5 8.7 13.1#

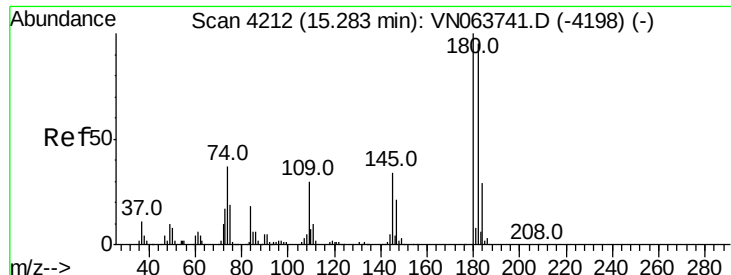


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

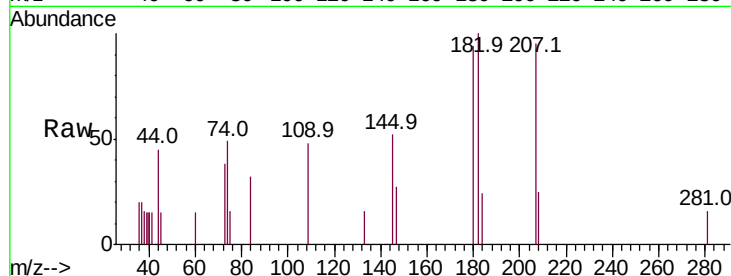




#96
 1,2,3-Trichlorobenzene
 Concen: 2.247 ug/l
 RT: 15.29 min Scan# 4214
 Delta R.T. 0.01 min
 Lab File: VN063745.D
 Acq: 30 Sep 2020 13:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0930MBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.5	47.9	143.6
145	39.2	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

