

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100220\
 Data File : VN063818.D
 Acq On : 2 Oct 2020 13:57
 Operator : JC/MD
 Sample : L4242-22
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

Quant Time: Oct 05 04:14:41 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	225364	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	405212	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	433910	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	181030	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	191969	51.56	ug/l	0.00
Spiked Amount			Recovery	=	103.12%	
35) Dibromofluoromethane	7.55	113	136404	48.51	ug/l	0.00
Spiked Amount			Recovery	=	97.02%	
50) Toluene-d8	10.06	98	521614	48.94	ug/l	0.00
Spiked Amount			Recovery	=	97.88%	
62) 4-Bromofluorobenzene	12.38	95	221080	55.18	ug/l	0.00
Spiked Amount			Recovery	=	110.36%	

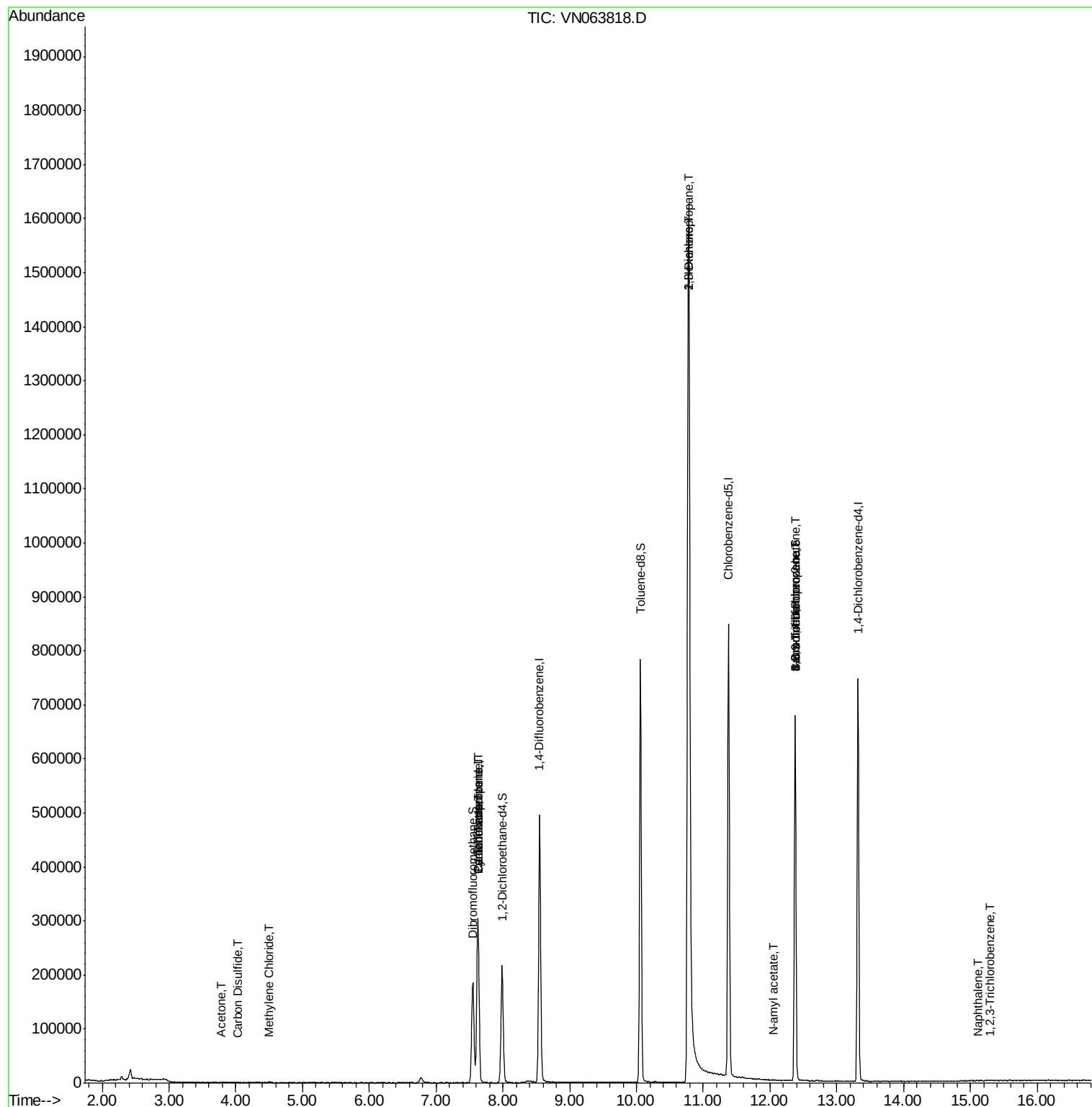
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.77	43	830	0.724	ug/l #	47
17) Carbon Disulfide	4.02	76	581	0.794	ug/l #	76
20) Methylene Chloride	4.50	84	862	0.426	ug/l #	51
31) Cyclohexane	7.62	56	6935	1.604	ug/l #	33
36) 1,1-Dichloropropene	7.63	75	20977	5.110	ug/l #	51
38) Carbon Tetrachloride	7.62	117	24346	5.289	ug/l #	15
57) 1,3-Dichloropropane	10.79	76	11857	2.410	ug/l #	43
59) 2-Hexanone	10.78	43	664111	226.444	ug/l #	38
71) Bromoform	12.38	173	2202	0.844	ug/l #	1
74) N-amyl acetate	12.05	43	233	2.252	ug/l #	44
76) 1,2,3-Trichloropropane	12.38	75	125080	31.344	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	125080	90.274	ug/l #	6
95) Naphthalene	15.11	128	857	2.009	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.28	180	32	1.578	ug/l #	12

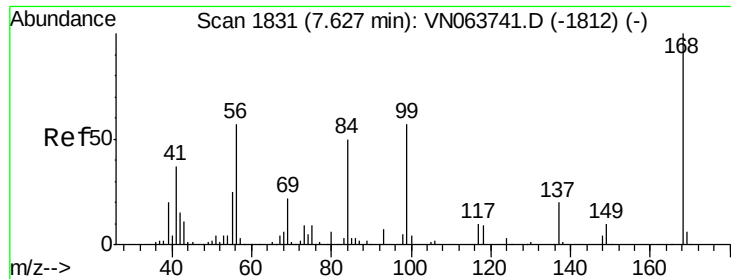
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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TRIP-BLANK

Quant Time: Oct 05 04:14:41 2020
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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: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063818.D

Acq: 2 Oct 2020 13:57

Instrument :

MSVOA_N

ClientSampled :

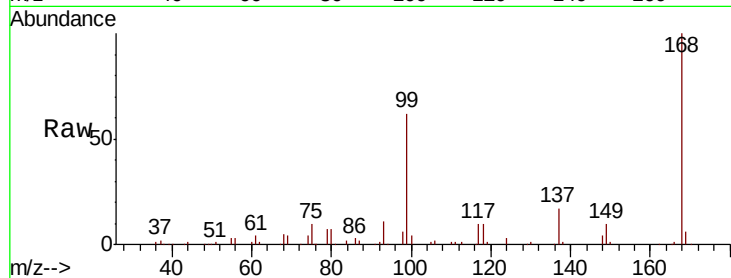
TRIP-BLANK

Tot Ion:168 Resp: 225364

Ion Ratio Lower Upper

168 100

99 61.7 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

100000

80000

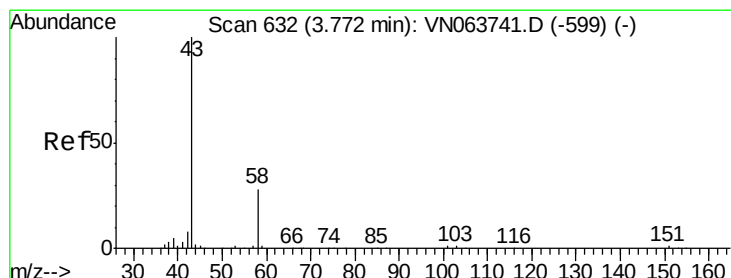
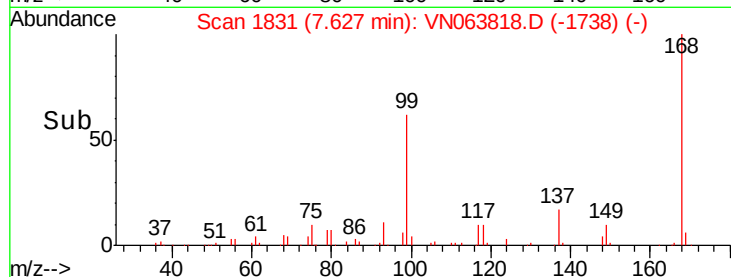
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 0.724 ug/l

RT: 3.77 min Scan# 630

Delta R.T. -0.01 min

Lab File: VN063818.D

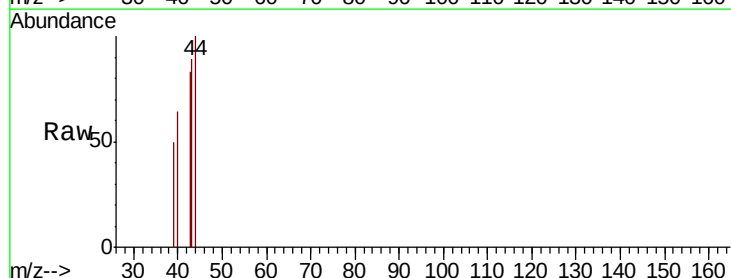
Acq: 2 Oct 2020 13:57

Tgt Ion: 43 Resp: 830

Ion Ratio Lower Upper

43 100

58 0.0 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

1000

800

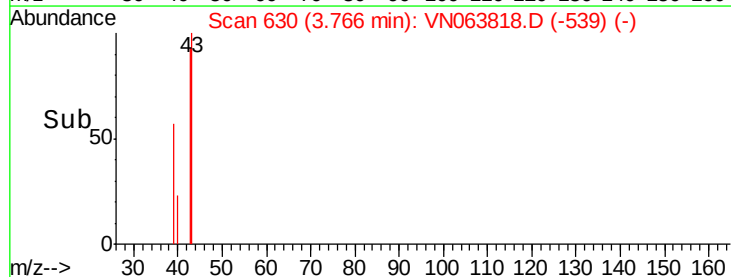
600

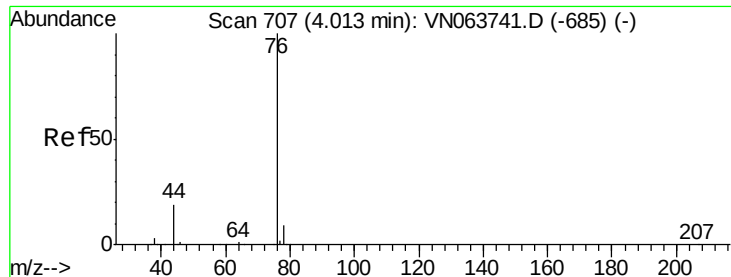
400

200

0

Time--> 3.74 3.76 3.78





#17

Carbon Disulfide

Concen: 0.794 ug/l

RT: 4.02 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN063818.D

Acq: 2 Oct 2020 13:57

Instrument :

MSVOA_N

ClientSampleId :

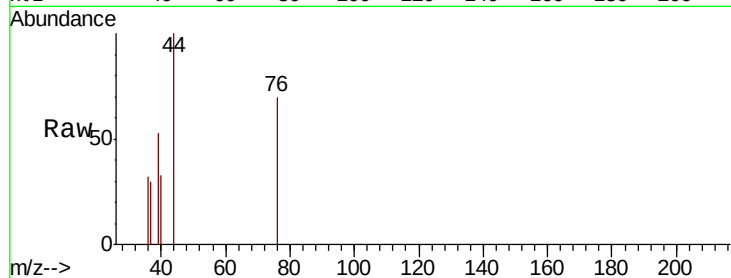
TRIP-BLANK

Tot Ion: 76 Resp: 581

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.4#



Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC

4.02

400

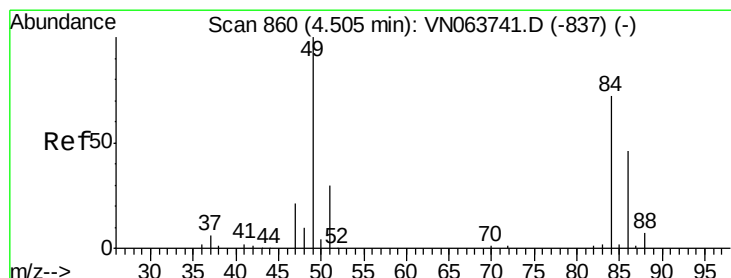
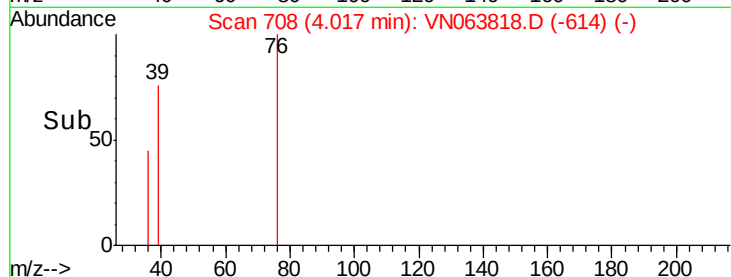
300

200

100

0

Time-->



#20

Methylene Chloride

Concen: 0.426 ug/l

RT: 4.50 min Scan# 858

Delta R.T. -0.01 min

Lab File: VN063818.D

Acq: 2 Oct 2020 13:57

Tgt Ion: 84 Resp: 862

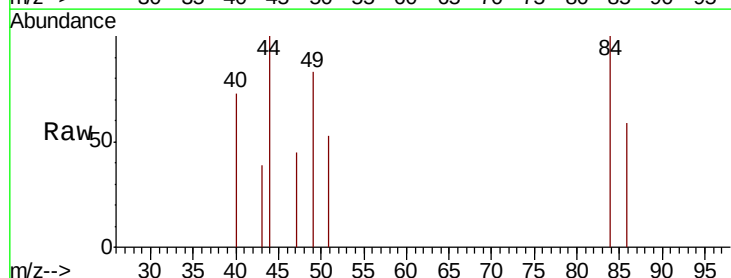
Ion Ratio Lower Upper

84 100

49 43.7 110.4 165.6#

51 52.8 33.3 49.9#

86 59.3 50.7 76.1



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

800

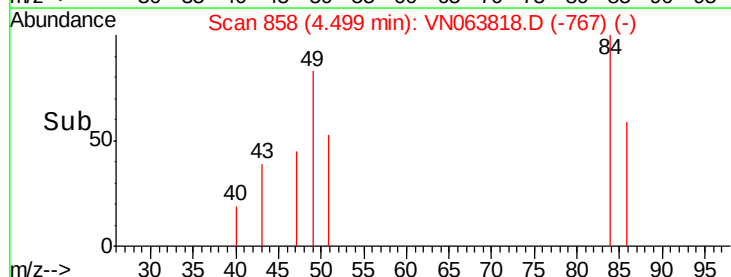
600

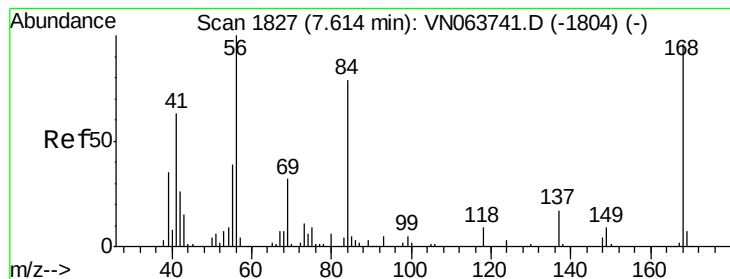
400

200

0

Time-->





#31

Cyclohexane

Concen: 1.604 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. 0.01 min

Lab File: VN063818.D

Acq: 2 Oct 2020 13:57

Instrument :

MSVOA_N

ClientSampleId :

TRIP-BLANK

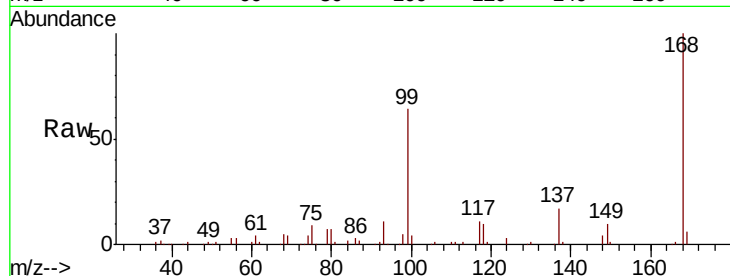
Tot Ion: 56 Resp: 6935

Ion Ratio Lower Upper

56 100

69 140.0 25.4 38.2#

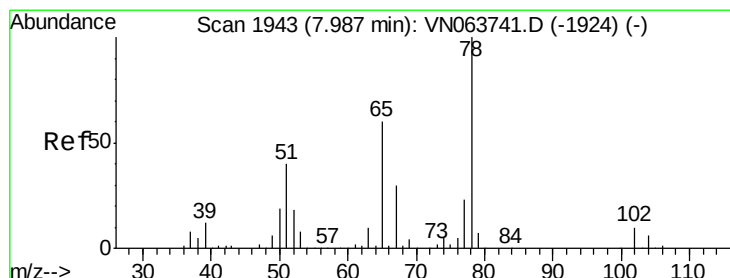
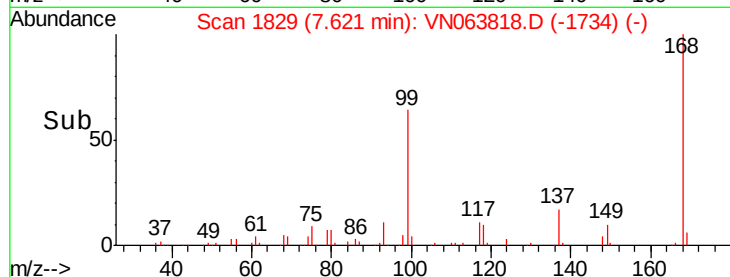
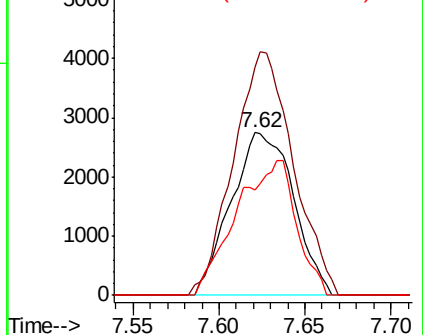
84 64.9 63.3 94.9



Abundance Ion 56.00 (55.70 to 56.70): VN063818.D (-1734) (-)

Ion 69.00 (68.70 to 69.70): VN063818.D (-1734) (-)

Ion 84.00 (83.70 to 84.70): VN063818.D (-1734) (-)



#33

1,2-Dichloroethane-d4

Concen: 51.561 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN063818.D

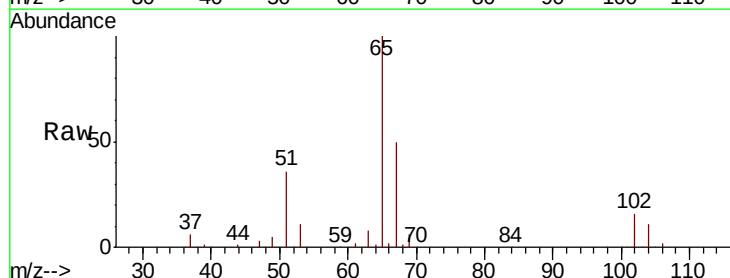
Acq: 2 Oct 2020 13:57

Tgt Ion: 65 Resp: 191969

Ion Ratio Lower Upper

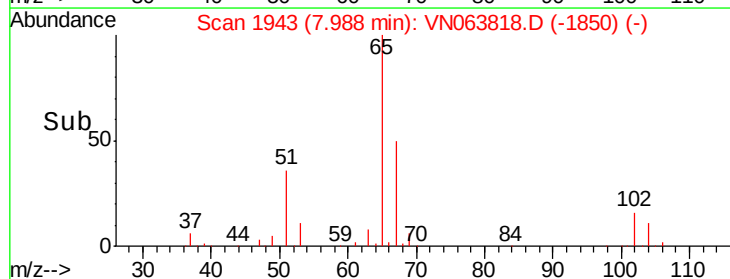
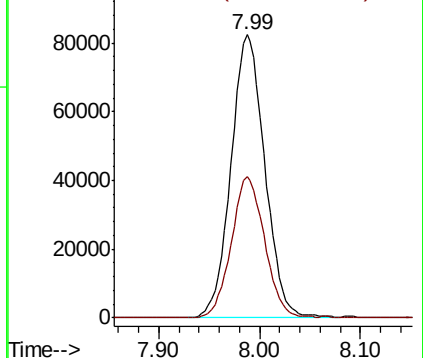
65 100

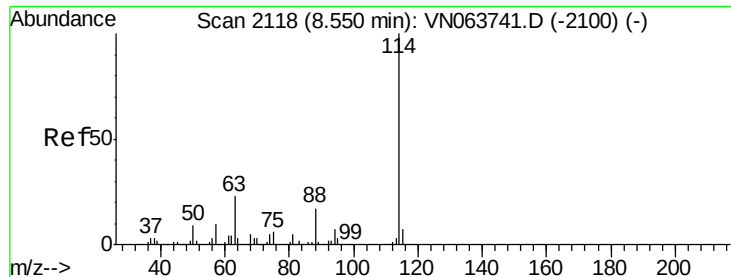
67 49.1 0.0 99.6



Abundance Ion 64.90 (64.60 to 65.60): VN063818.D (-1850) (-)

Ion 66.90 (66.60 to 67.60): VN063818.D (-1850) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN063818.D

Acq: 2 Oct 2020 13:57

Instrument :

MSVOA_N

ClientSampleId :

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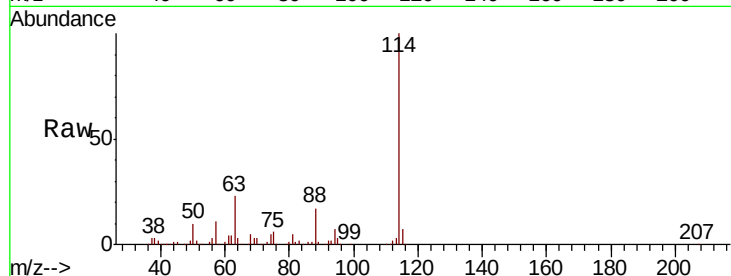
Tot Ion:114 Resp: 405212

Ion Ratio Lower Upper

114 100

63 22.9 0.0 45.0

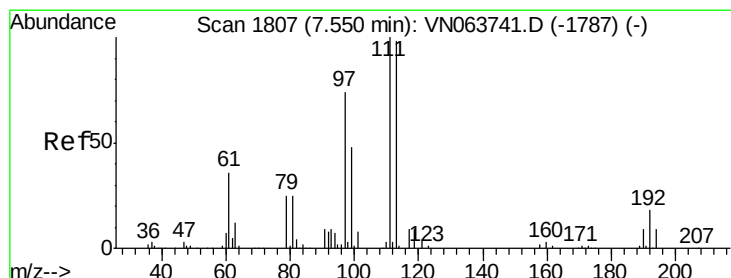
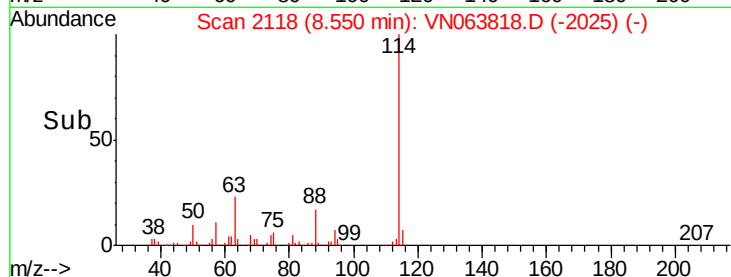
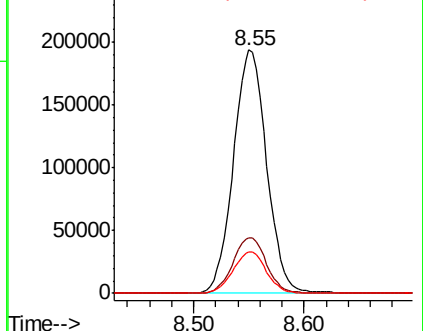
88 17.0 0.0 34.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 48.514 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN063818.D

Acq: 2 Oct 2020 13:57

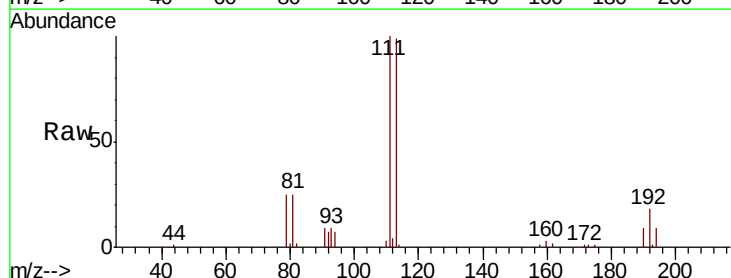
Tgt Ion:113 Resp: 136404

Ion Ratio Lower Upper

113 100

111 103.8 81.8 122.8

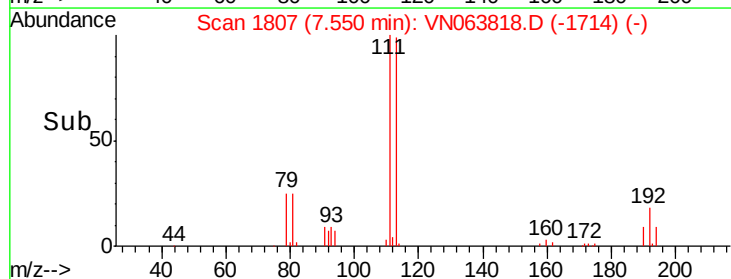
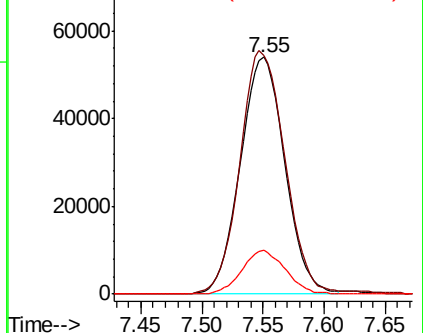
192 17.9 14.2 21.2

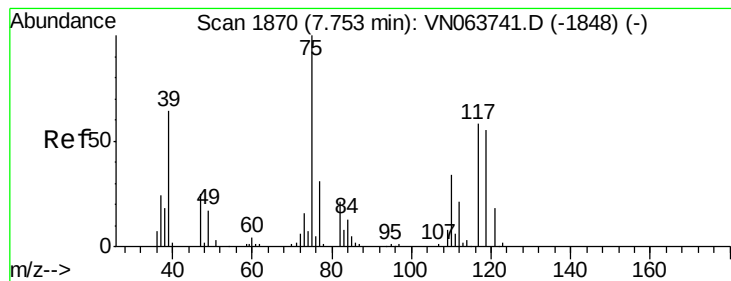


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.110 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. -0.12 min

Lab File: VN063818.D

Acq: 2 Oct 2020 13:57

Instrument :

MSVOA_N

ClientSampleId :

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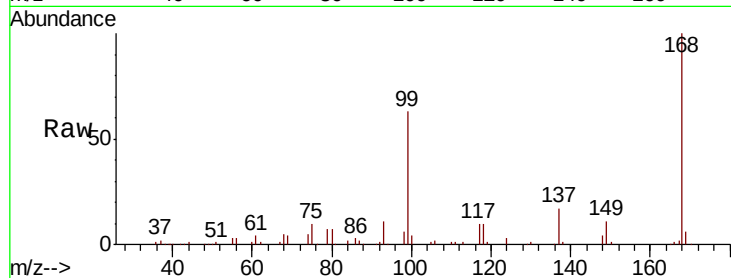
Tot Ion: 75 Resp: 20977

Ion Ratio Lower Upper

75 100

110 9.2 16.9 50.6#

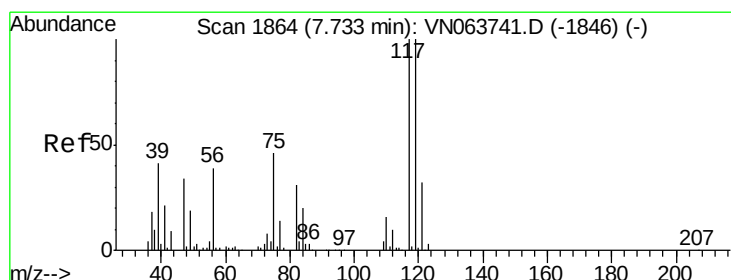
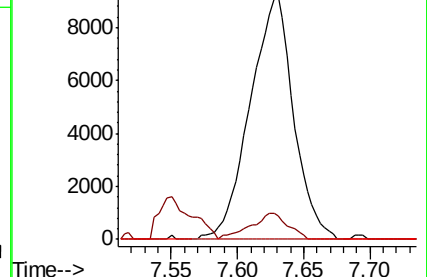
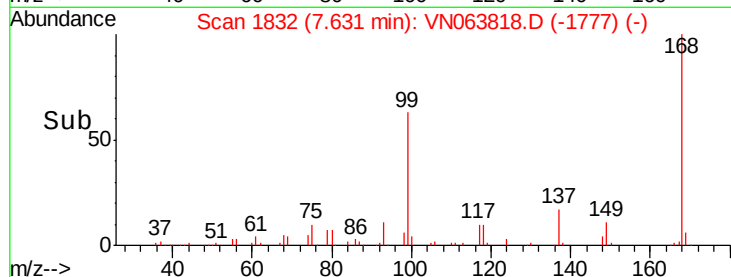
77 0.0 24.5 36.7#



Abundance Ion 74.90 (74.60 to 75.60): VN063818.D (-1777) (-)

Ion 109.90 (109.60 to 110.60): VN063818.D (-1777) (-)

Ion 76.90 (76.60 to 77.60): VN063818.D (-1777) (-)



#38

Carbon Tetrachloride

Concen: 5.289 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN063818.D

Acq: 2 Oct 2020 13:57

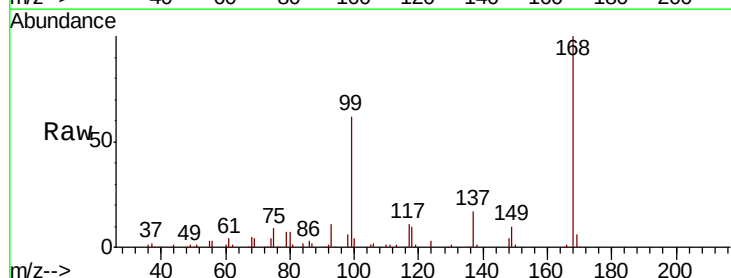
Tgt Ion: 117 Resp: 24346

Ion Ratio Lower Upper

117 100

119 5.7 80.1 120.1#

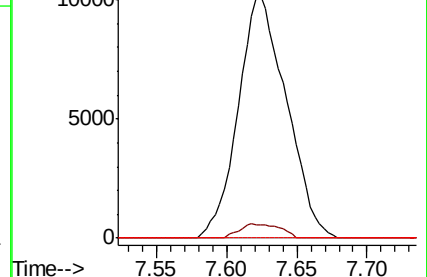
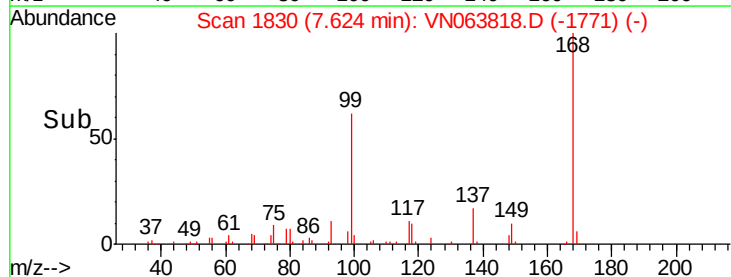
121 0.0 25.7 38.5#

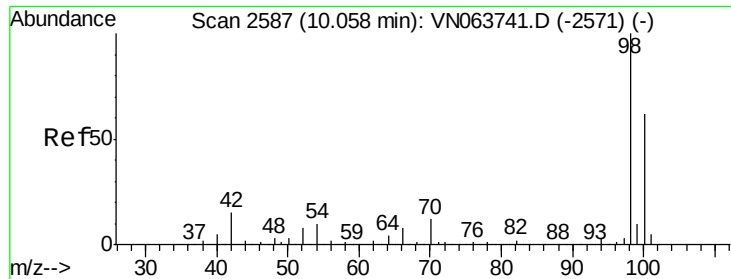


Abundance Ion 116.80 (116.50 to 117.50): VN063818.D (-1771) (-)

Ion 118.80 (118.50 to 119.50): VN063818.D (-1771) (-)

Ion 120.80 (120.50 to 121.50): VN063818.D (-1771) (-)

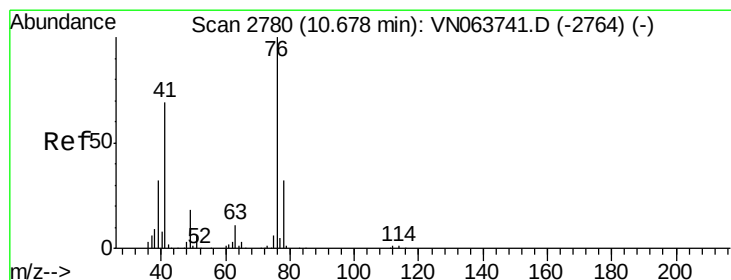
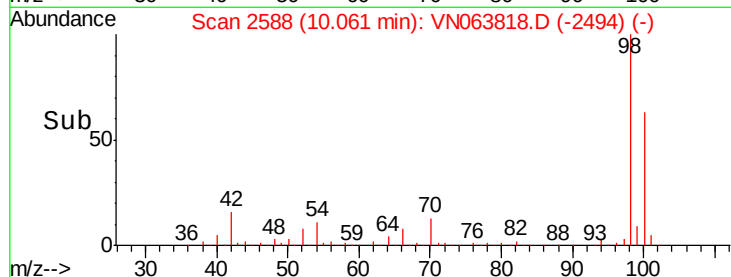
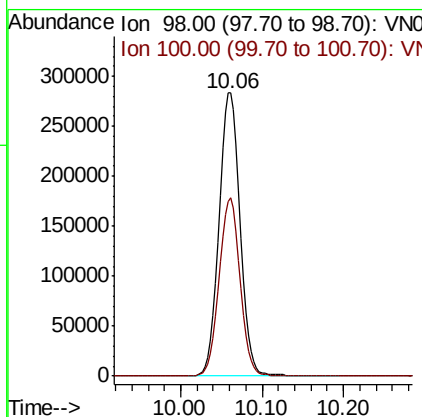
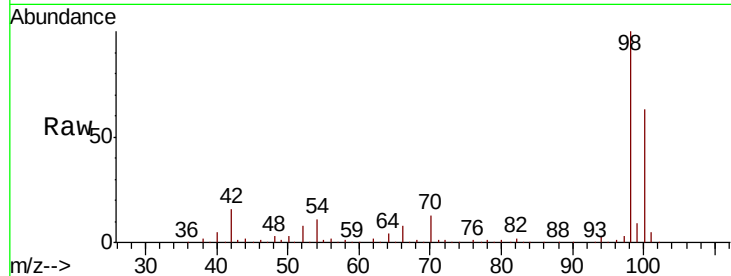




#50
Toluene-d8
Concen: 48.938 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063818.D
Acq: 2 Oct 2020 13:57

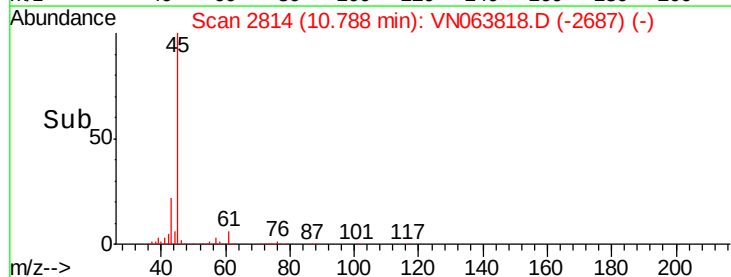
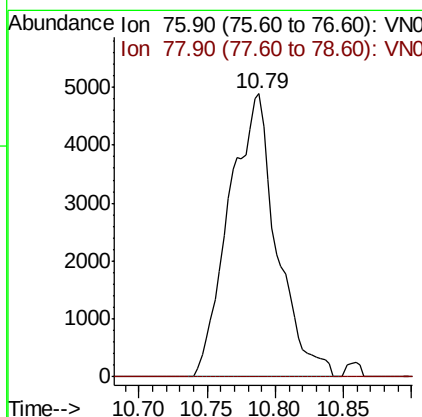
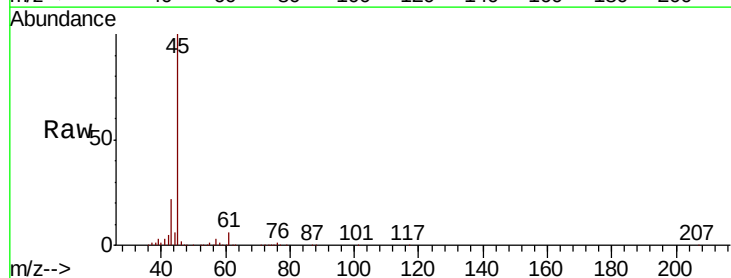
Instrument :
MSVOA_N
ClientSampleId :
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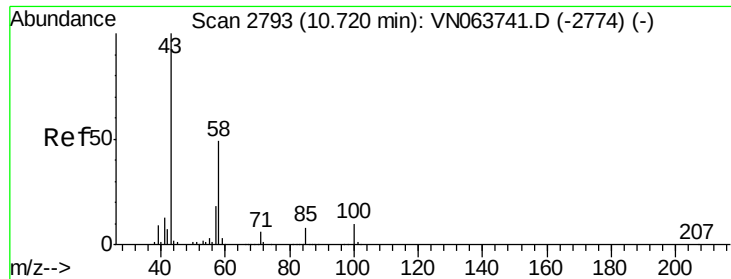
Tot Ion: 98 Resp: 521614
Ion Ratio Lower Upper
98 100
100 62.3 49.8 74.6



#57
1,3-Dichloropropane
Concen: 2.410 ug/l
RT: 10.79 min Scan# 2814
Delta R.T. 0.11 min
Lab File: VN063818.D
Acq: 2 Oct 2020 13:57

Tgt Ion: 76 Resp: 11857
Ion Ratio Lower Upper
76 100
78 0.0 25.2 37.8#

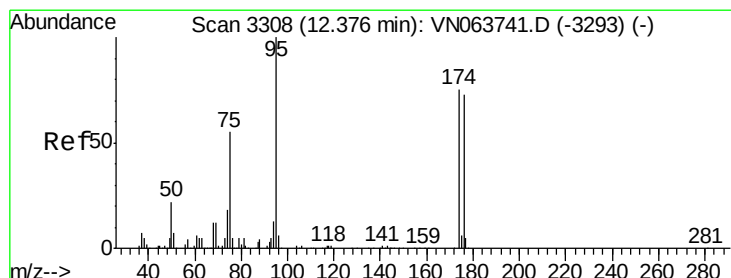
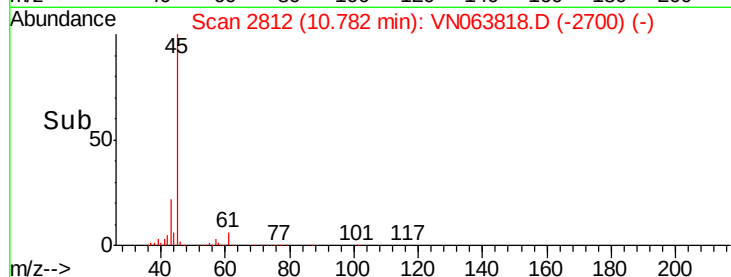
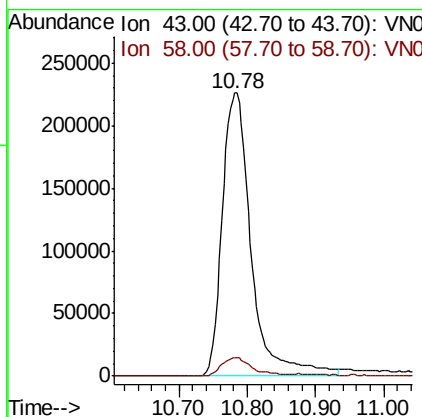
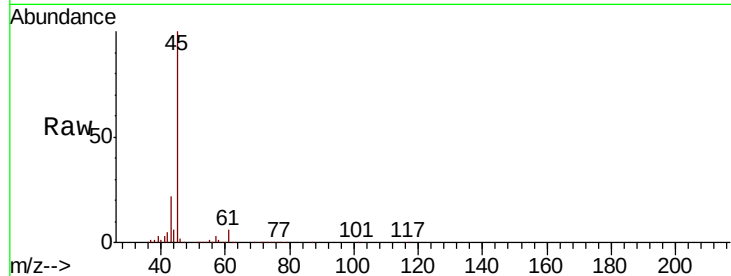




#59
2-Hexanone
Concen: 226.444 ug/l
RT: 10.78 min Scan# 2812
Delta R.T. 0.06 min
Lab File: VN063818.D
Acq: 2 Oct 2020 13:57

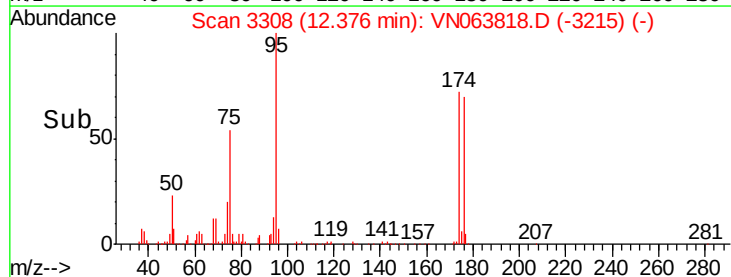
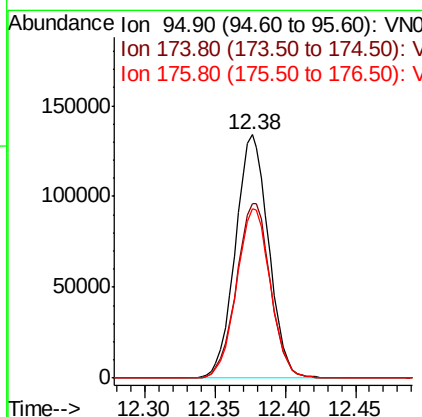
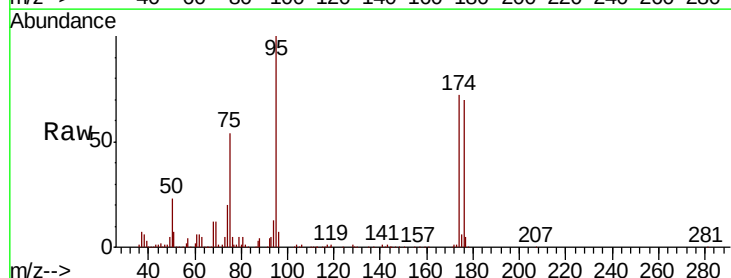
Instrument :
MSVOA_N
ClientSampled :
TRIP-BLANK

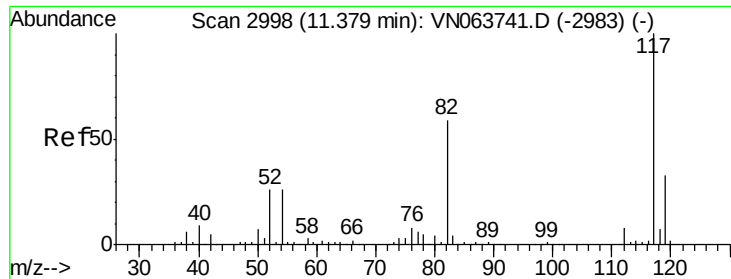
Tot Ion: 43 Resp: 664111
Ion Ratio Lower Upper
43 100
58 7.0 24.6 73.8#



#62
4-Bromofluorobenzene
Concen: 55.177 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN063818.D
Acq: 2 Oct 2020 13:57

Tgt Ion: 95 Resp: 221080
Ion Ratio Lower Upper
95 100
174 73.5 0.0 150.6
176 71.1 0.0 145.4

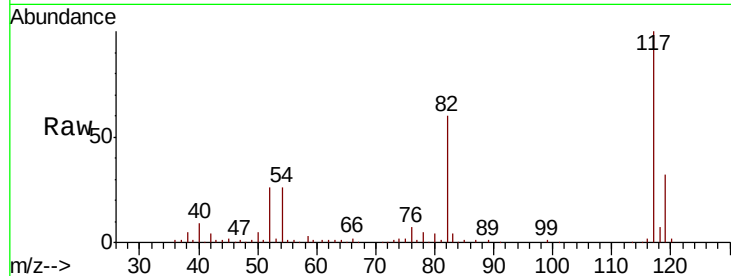




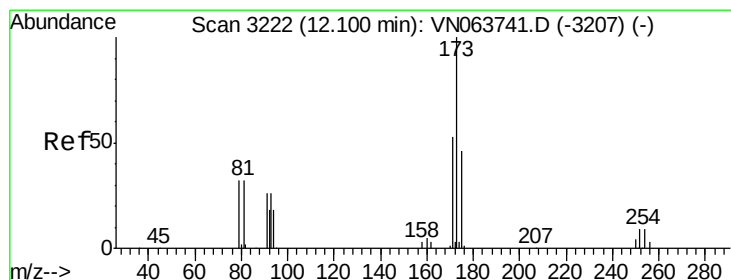
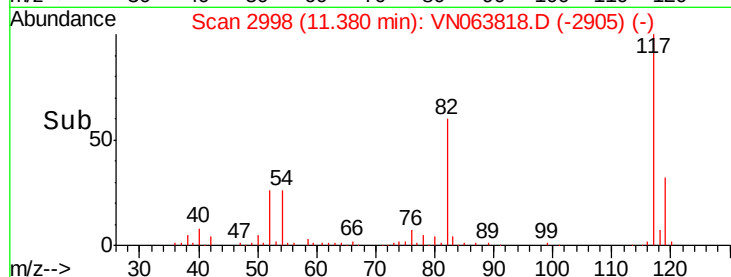
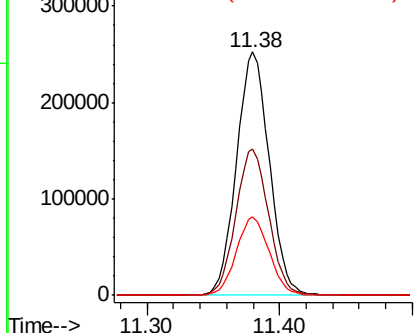
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063818.D
Acq: 2 Oct 2020 13:57

Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

Tot Ion:117 Resp: 433910
Ion Ratio Lower Upper
117 100
82 60.2 47.4 71.2
119 32.1 26.4 39.6

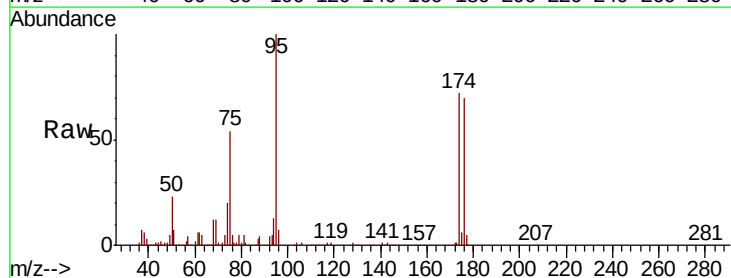


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

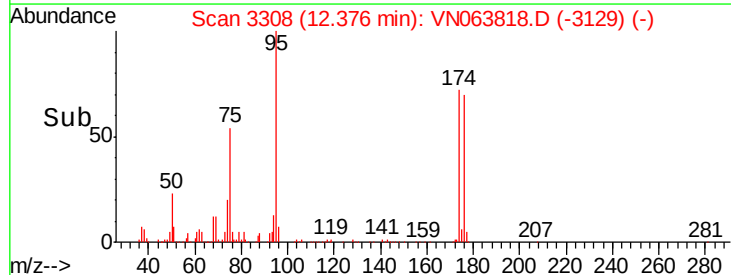
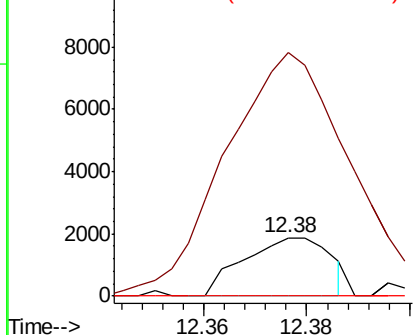


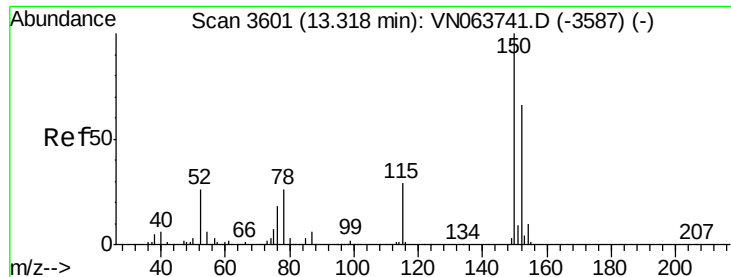
#71
Bromoform
Concen: 0.844 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.28 min
Lab File: VN063818.D
Acq: 2 Oct 2020 13:57

Tgt Ion:173 Resp: 2202
Ion Ratio Lower Upper
173 100
175 496.4 23.5 70.5#
254 0.0 0.0 0.0



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN063818.D

Acq: 2 Oct 2020 13:57

Instrument :

MSVOA_N

ClientSampled :

TRIP-BLANK

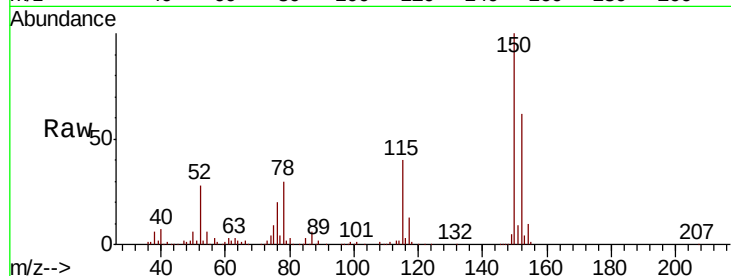
Tot Ion:152 Resp: 181030

Ion Ratio Lower Upper

152 100

115 63.9 31.3 93.8

150 158.0 0.0 341.8

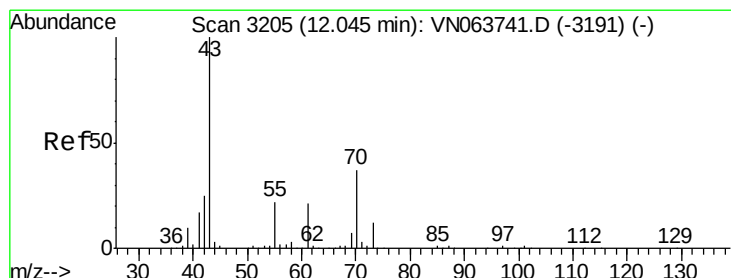
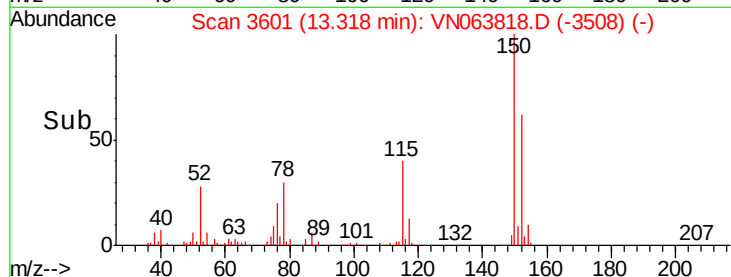
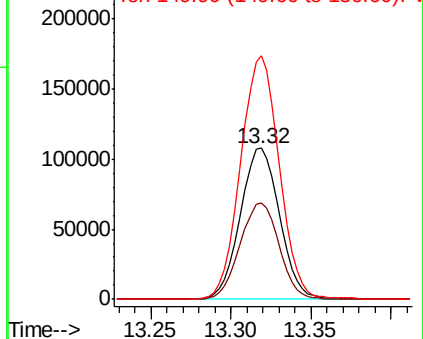


Abundance

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: 2.252 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN063818.D

Acq: 2 Oct 2020 13:57

Tgt Ion: 43 Resp: 233

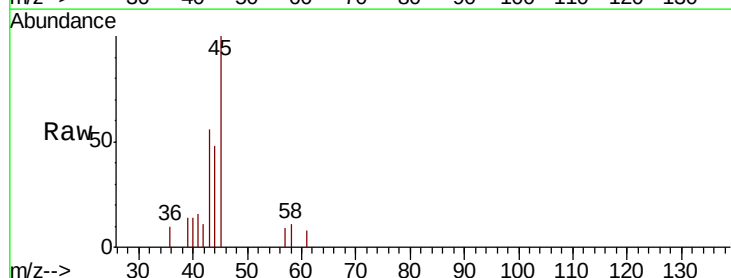
Ion Ratio Lower Upper

43 100

70 0.0 29.8 44.8#

55 0.0 17.9 26.9#

61 47.2 17.0 25.4#



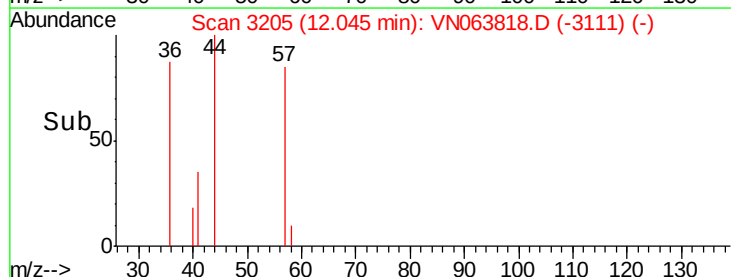
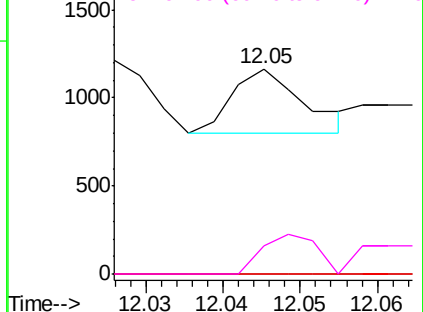
Abundance

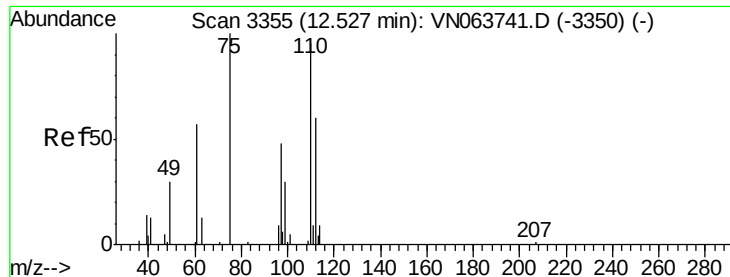
Ion 43.00 (42.70 to 43.70): V

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: 31.344 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063818.D

Acq: 2 Oct 2020 13:57

Instrument :

MSVOA_N

ClientSampled :

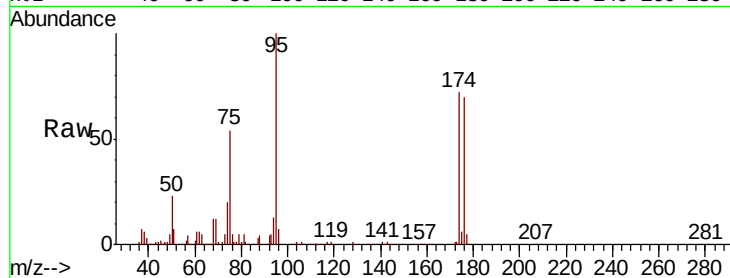
TRIP-BLANK

Tot Ion: 75 Resp: 125080

Ion Ratio Lower Upper

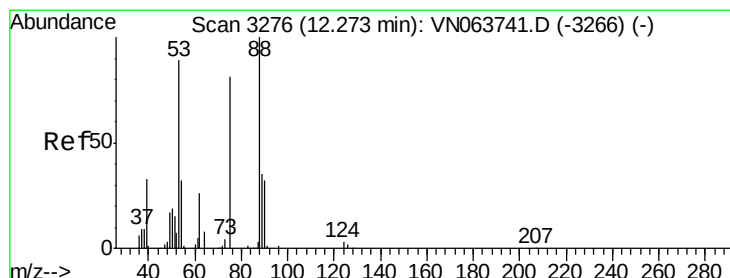
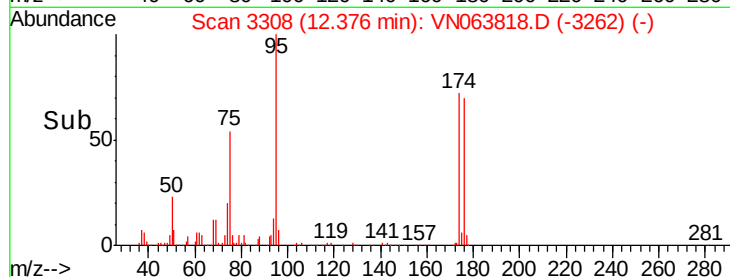
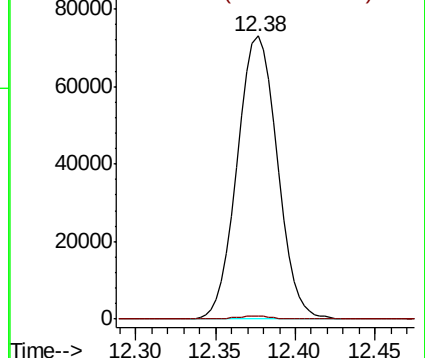
75 100

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: 90.274 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063818.D

Acq: 2 Oct 2020 13:57

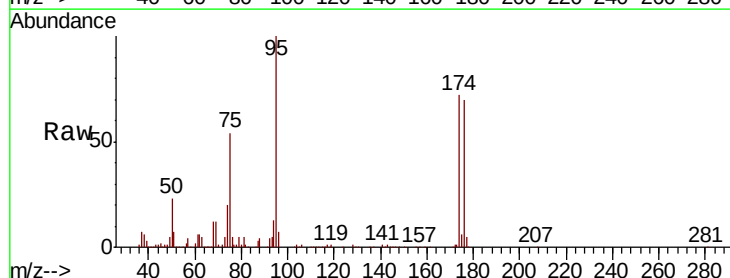
Tgt Ion: 75 Resp: 125080

Ion Ratio Lower Upper

75 100

53 0.0 88.2 132.2#

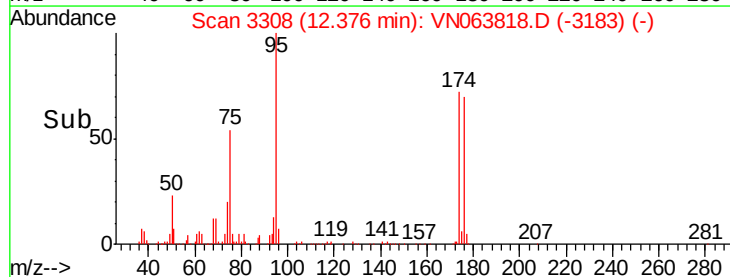
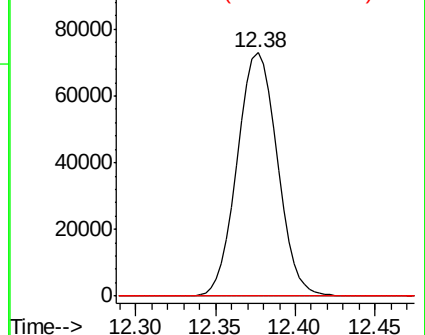
89 0.0 36.0 54.0#

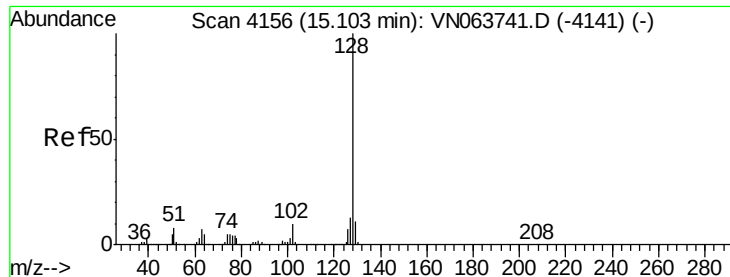


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#95

Naphthalene

Concen: 2.009 ug/l

RT: 15.11 min Scan# 4158

Delta R.T. 0.01 min

Lab File: VN063818.D

Acq: 2 Oct 2020 13:57

Instrument :

MSVOA_N

ClientSampled :

TRIP-BLANK

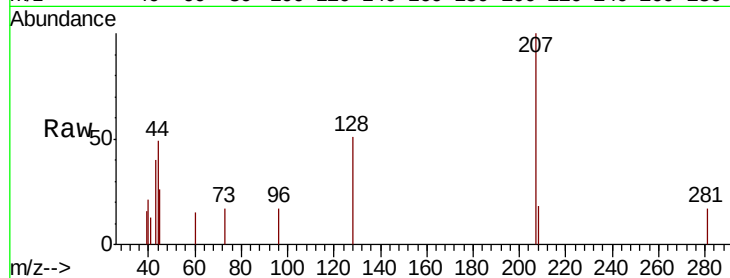
Tot Ion:128 Resp: 857

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

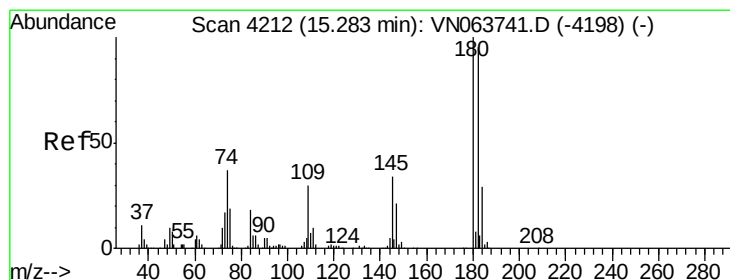
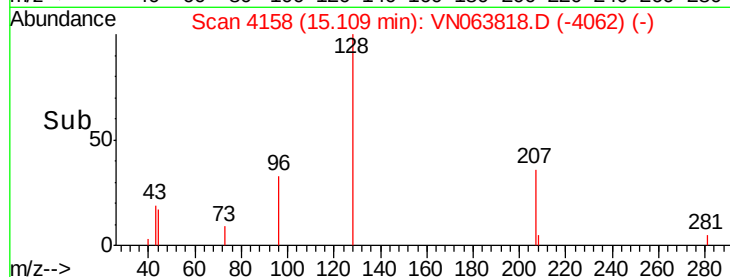
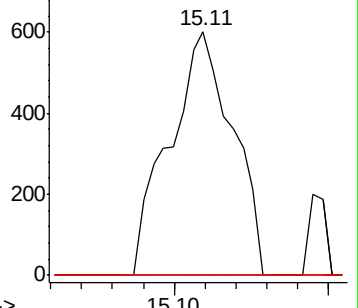
129 0.0 8.7 13.1#



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: 1.578 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN063818.D

Acq: 2 Oct 2020 13:57

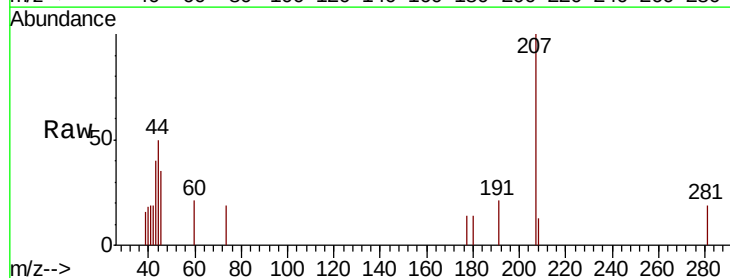
Tgt Ion:180 Resp: 32

Ion Ratio Lower Upper

180 100

182 0.0 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

