

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080320\
 Data File : VN062732.D
 Acq On : 3 Aug 2020 13:49
 Operator : JC/MD
 Sample : L3539-03DL 20X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 I-LGC-5DL

Quant Time: Aug 04 03:29:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 18:48:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	126523	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	221102	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	224778	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	89302	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	107368	54.63	ug/l	0.00
Spiked Amount			Recovery	=	109.26%	
35) Dibromofluoromethane	7.55	113	74231	51.11	ug/l	0.00
Spiked Amount			Recovery	=	102.22%	
50) Toluene-d8	10.06	98	293479	50.65	ug/l	0.00
Spiked Amount			Recovery	=	101.30%	
62) 4-Bromofluorobenzene	12.38	95	112155	52.93	ug/l	0.00
Spiked Amount			Recovery	=	105.86%	

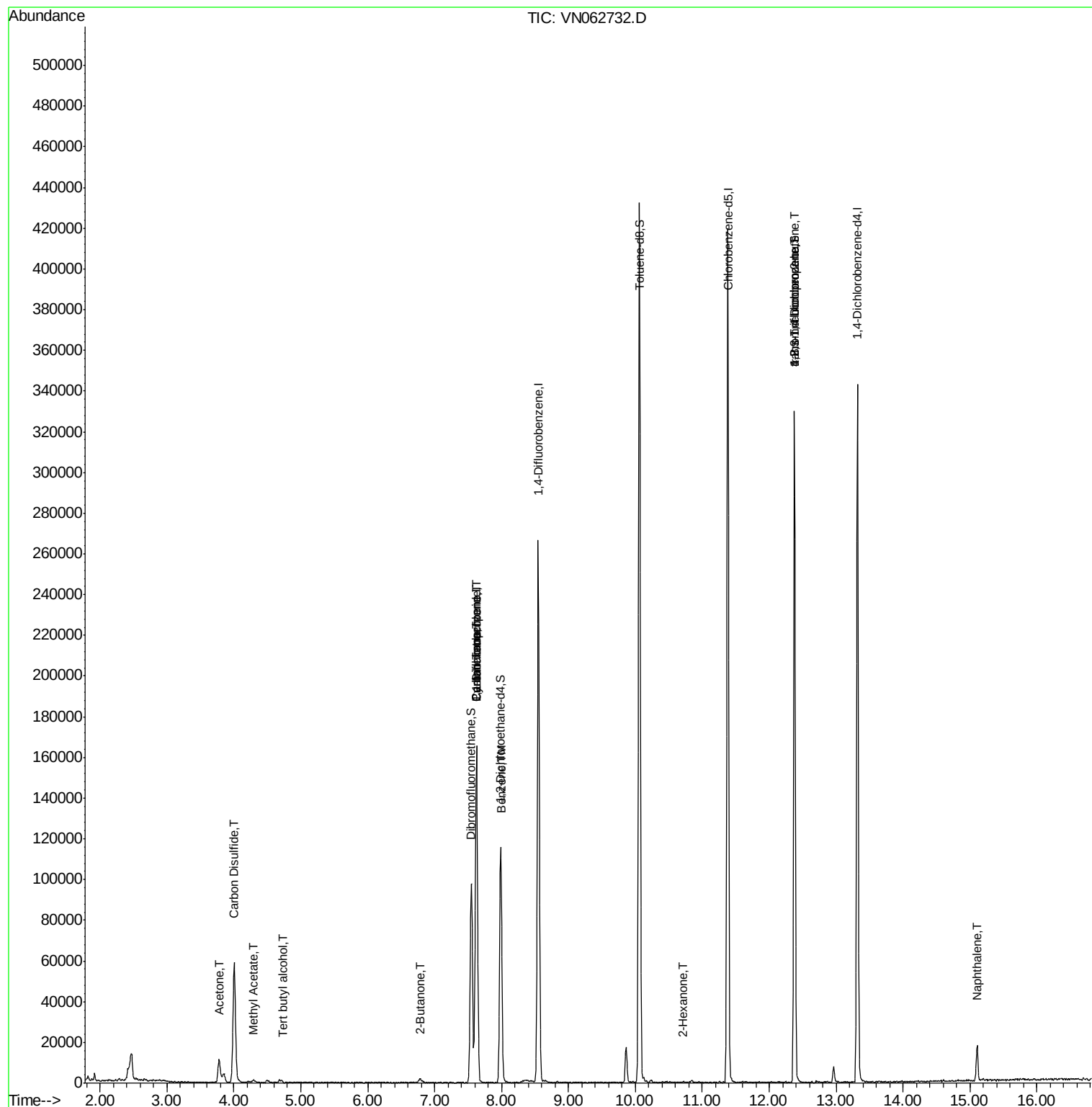
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.74	59	79	0.253	ug/l #	73
16) Acetone	3.78	43	18996	25.683	ug/l	95
17) Carbon Disulfide	4.00	76	116603	26.196	ug/l	96
18) Methyl Acetate	4.29	43	2412	1.288	ug/l #	76
25) 2-Butanone	6.79	43	781	0.693	ug/l #	52
31) Cyclohexane	7.62	56	3177	1.097	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	11628	4.934	ug/l #	51
38) Carbon Tetrachloride	7.62	117	14369	6.343	ug/l #	16
40) Benzene	8.00	78	1894	0.265	ug/l #	84
59) 2-Hexanone	10.72	43	268	3.099	ug/l #	26
76) 1,2,3-Trichloropropane	12.38	75	64579	28.411	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	64579	79.089	ug/l #	12
95) Naphthalene	15.11	128	16102	7.511	ug/l	100

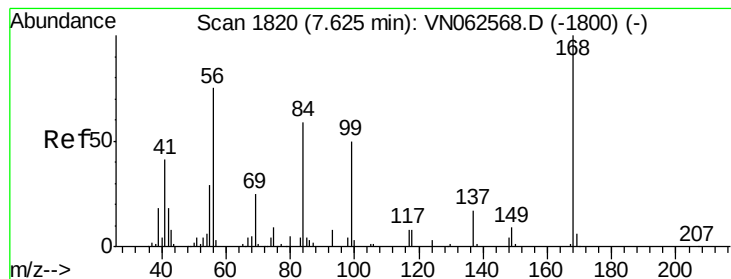
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 04 03:29:55 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 21 18:48:59 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062732.D

Acq: 3 Aug 2020 13:49

Instrument :

MSVOA_N

ClientSampled :

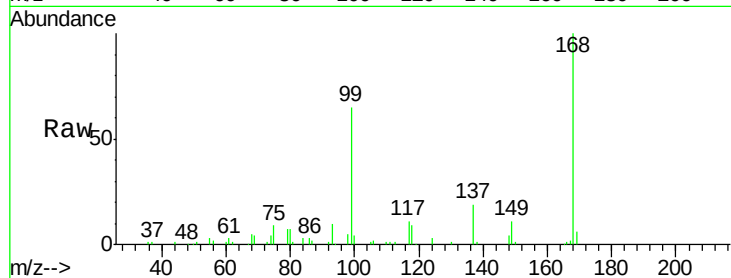
I-LGC-5DL

Tot Ion:168 Resp: 126523

Ion Ratio Lower Upper

168 100

99 65.5 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

60000

50000

40000

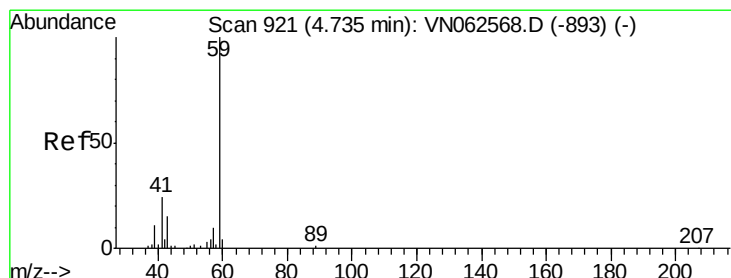
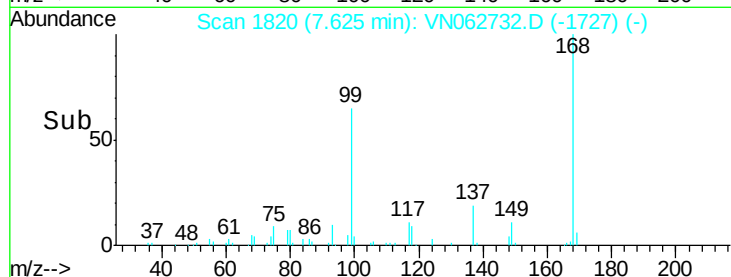
30000

20000

10000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.253 ug/l

RT: 4.74 min Scan# 922

Delta R.T. 0.00 min

Lab File: VN062732.D

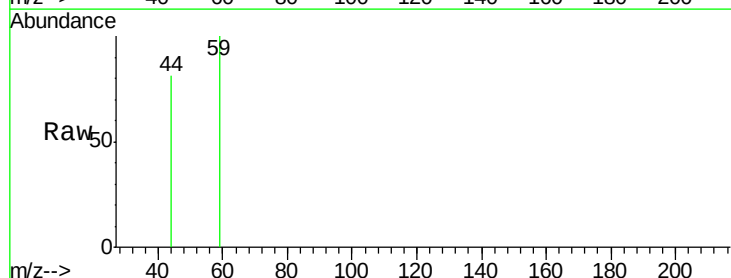
Acq: 3 Aug 2020 13:49

Tgt Ion: 59 Resp: 79

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.74

250

200

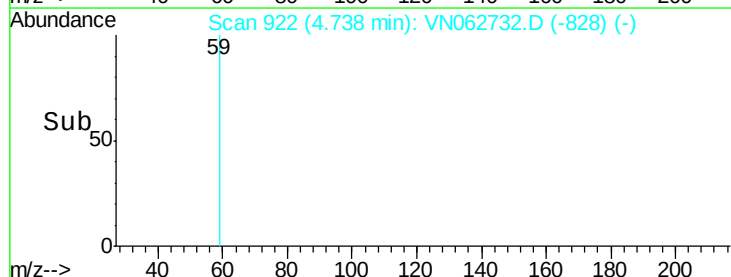
150

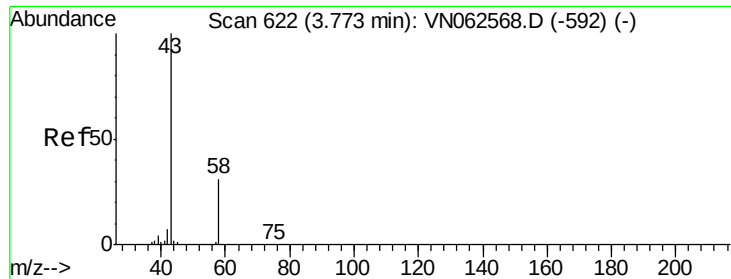
100

50

0

Time-->





#16

Acetone

Concen: 25.683 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.01 min

Lab File: VN062732.D

Acq: 3 Aug 2020 13:49

Instrument :

MSVOA_N

ClientSampleId :

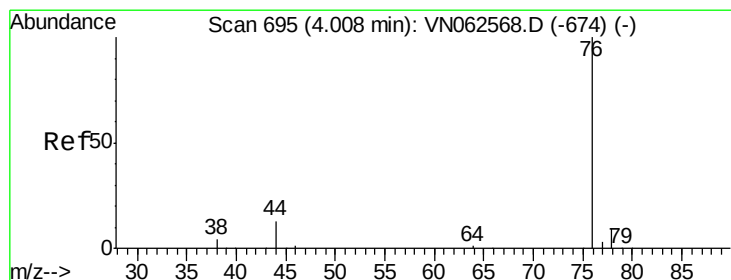
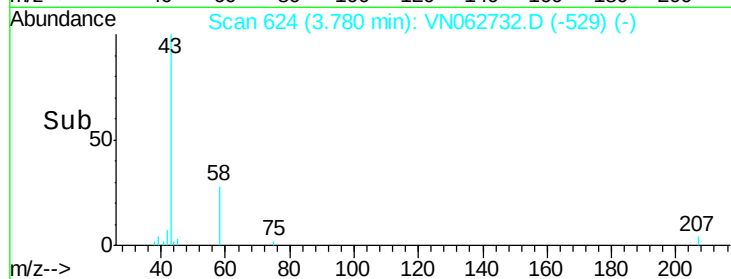
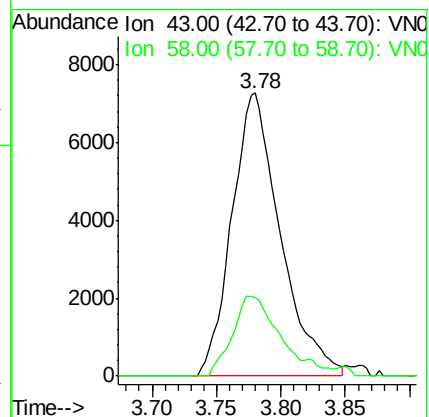
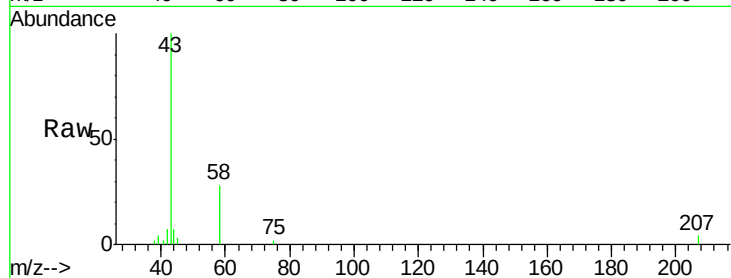
I-LGC-5DL

Tot Ion: 43 Resp: 18996

Ion Ratio Lower Upper

43 100

58 27.8 24.6 37.0



#17

Carbon Disulfide

Concen: 26.196 ug/l

RT: 4.00 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN062732.D

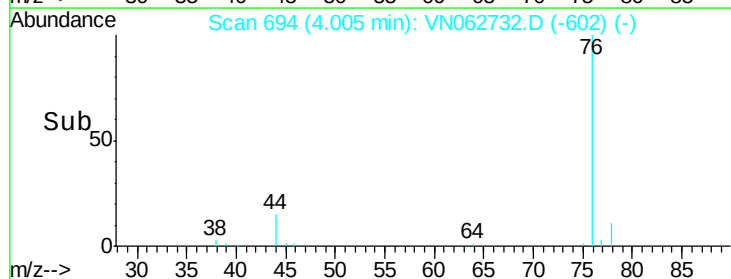
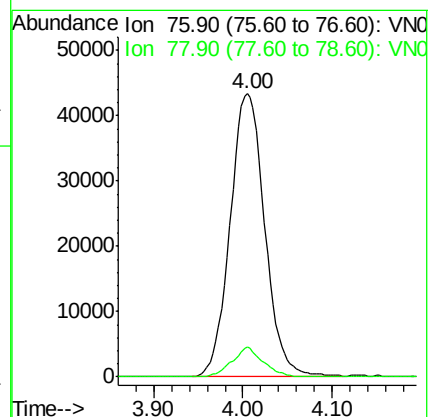
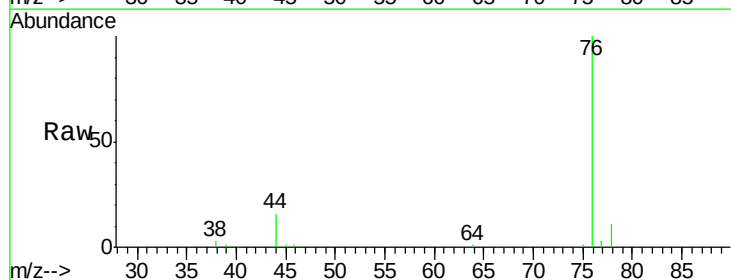
Acq: 3 Aug 2020 13:49

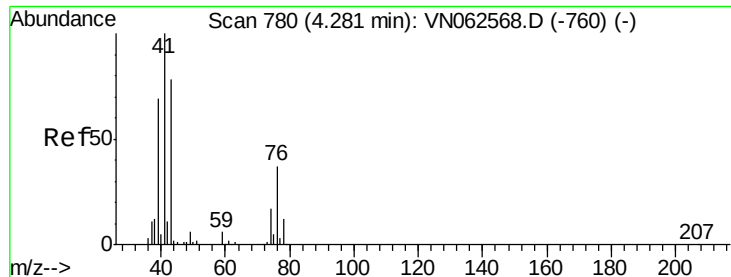
Tgt Ion: 76 Resp: 116603

Ion Ratio Lower Upper

76 100

78 10.7 7.3 10.9

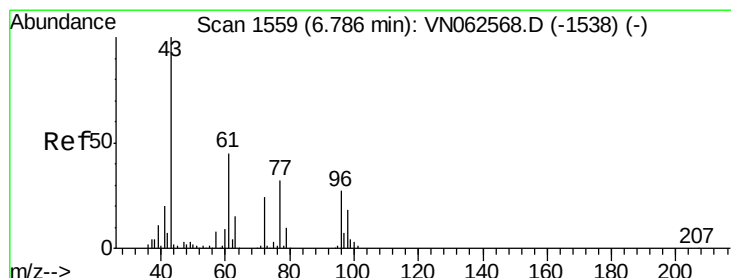
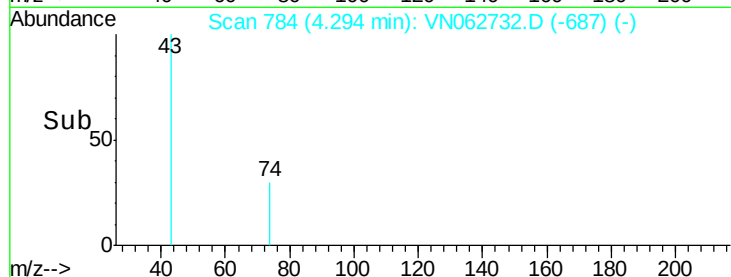
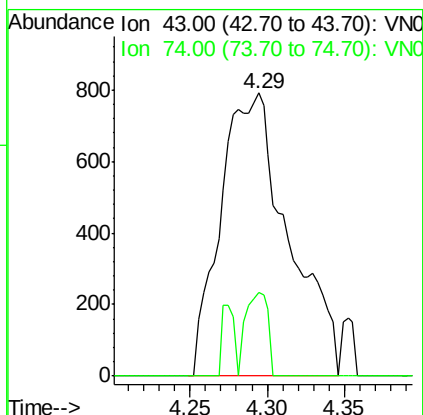
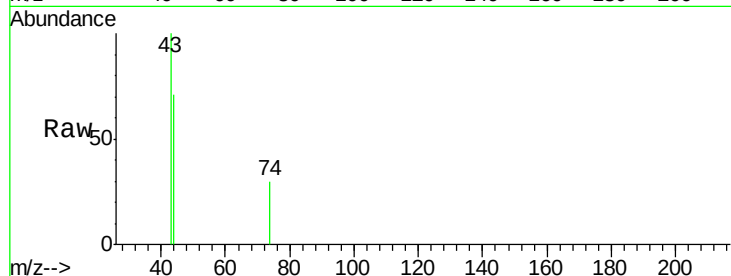




#18
Methvl Acetate
Concen: 1.288 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.01 min
Lab File: VN062732.D
Acq: 3 Aug 2020 13:49

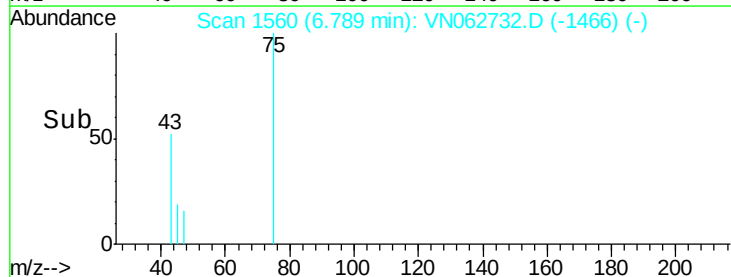
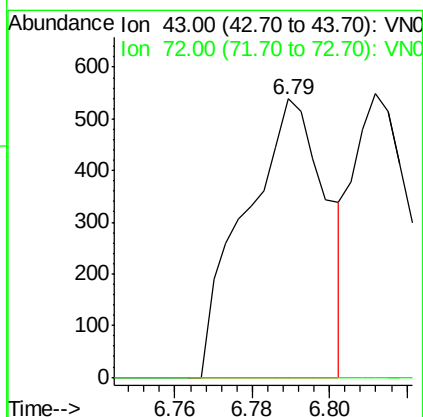
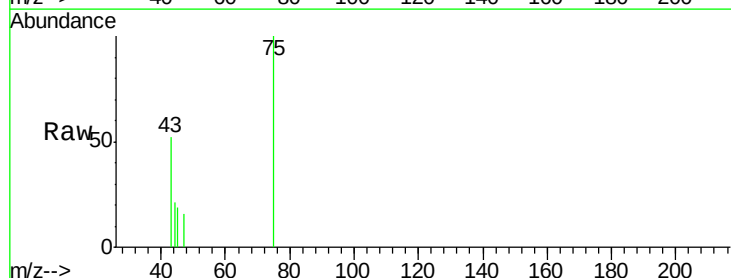
Instrument :
MSVOA_N
ClientSampleId :
I-LGC-5DL

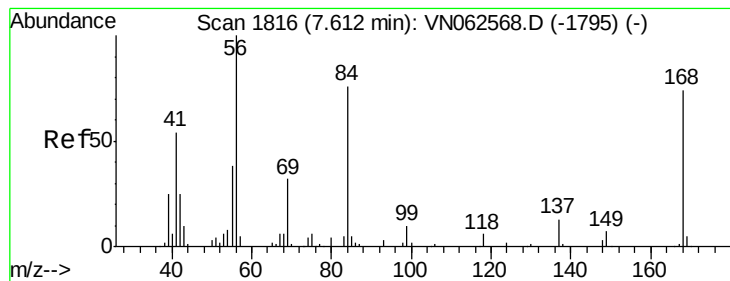
Tot Ion: 43 Resp: 2412
Ion Ratio Lower Upper
43 100
74 9.7 16.6 24.8#



#25
2-Butanone
Concen: 0.693 ug/l
RT: 6.79 min Scan# 1560
Delta R.T. 0.00 min
Lab File: VN062732.D
Acq: 3 Aug 2020 13:49

Tgt Ion: 43 Resp: 781
Ion Ratio Lower Upper
43 100
72 0.0 19.0 28.6#





#31

Cyclohexane

Concen: 1.097 ug/l

RT: 7.62 min Scan# 1816

Delta R.T. 0.01 min

Lab File: VN062732.D

Acq: 3 Aug 2020 13:49

Instrument :

MSVOA_N

ClientSampled :

I-LGC-5DL

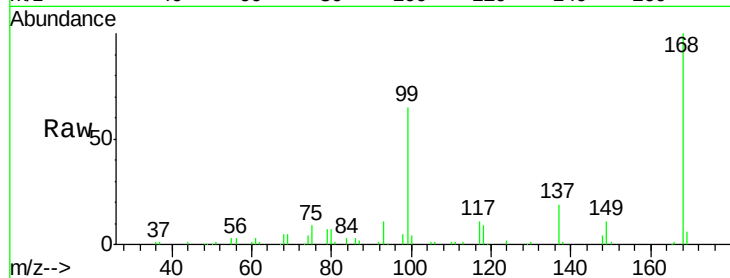
Tot Ion: 56 Resp: 3177

Ion Ratio Lower Upper

56 100

69 167.1 25.3 37.9#

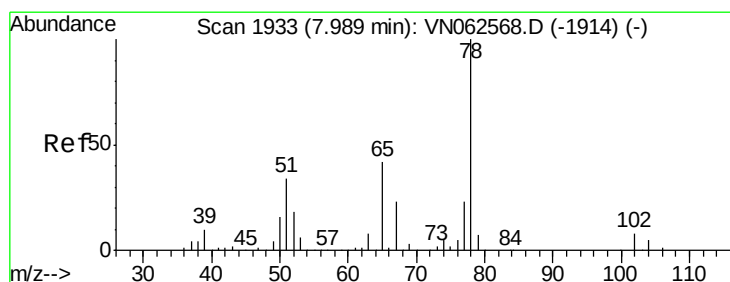
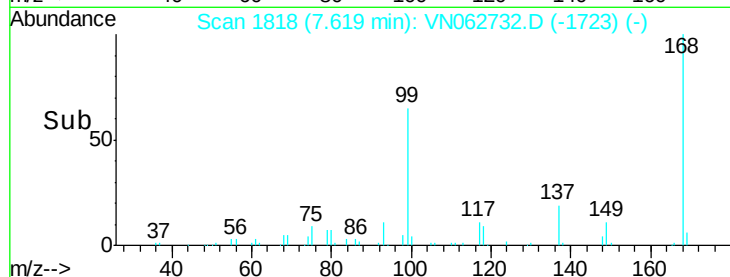
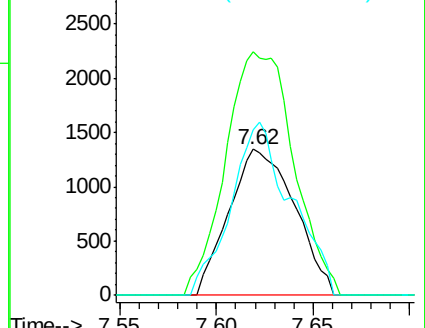
84 113.8 61.0 91.4#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 54.627 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN062732.D

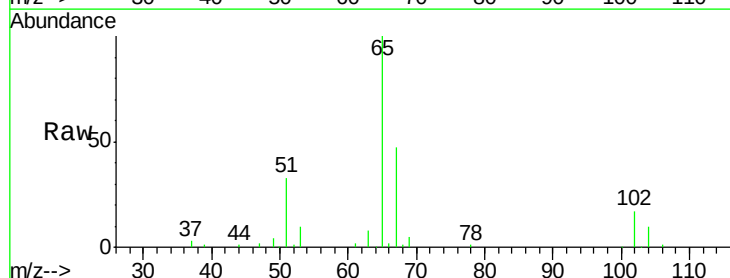
Acq: 3 Aug 2020 13:49

Tgt Ion: 65 Resp: 107368

Ion Ratio Lower Upper

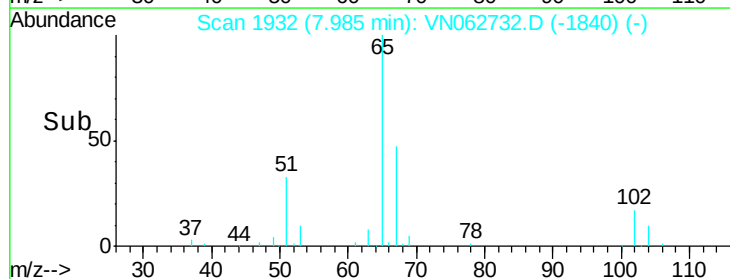
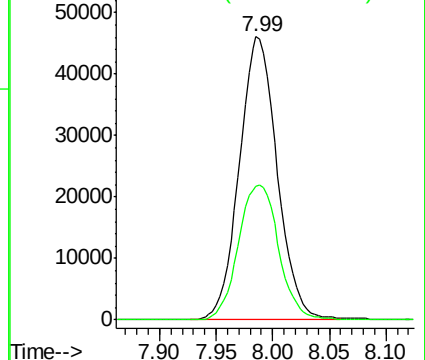
65 100

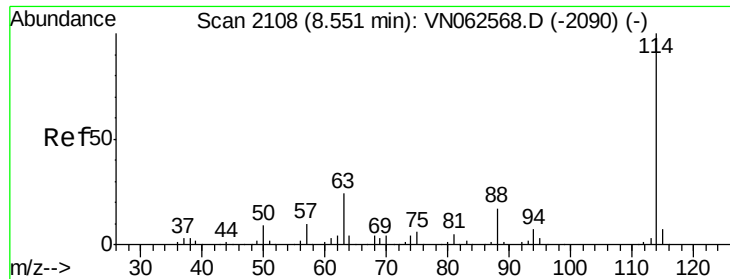
67 50.6 0.0 106.0



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# 2107

Delta R.T. -0.00 min

Lab File: VN062732.D

Acq: 3 Aug 2020 13:49

Instrument :

MSVOA_N

ClientSampled :

I-LGC-5DL

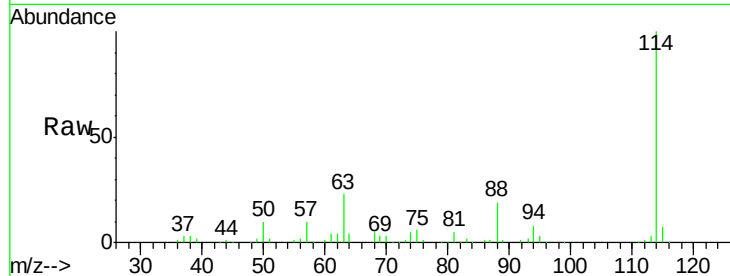
Tot Ion:114 Resp: 221102

Ion Ratio Lower Upper

114 100

63 23.2 0.0 48.4

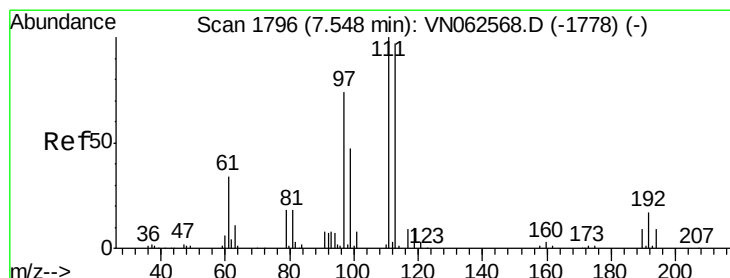
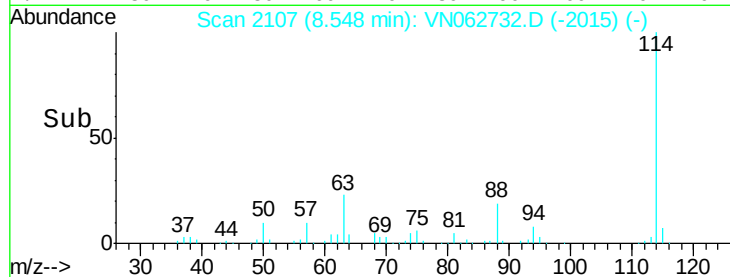
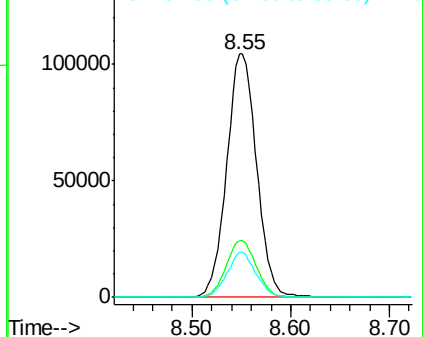
88 18.5 0.0 33.8



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: 51.112 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN062732.D

Acq: 3 Aug 2020 13:49

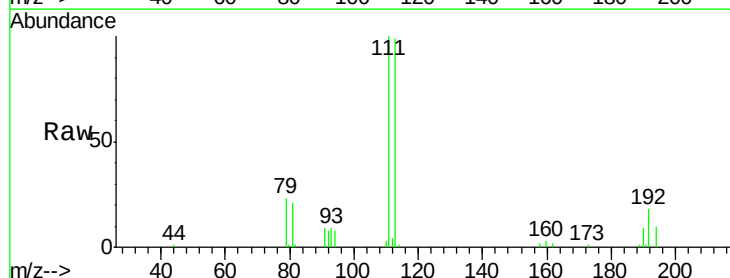
Tgt Ion:113 Resp: 74231

Ion Ratio Lower Upper

113 100

111 102.7 82.7 124.1

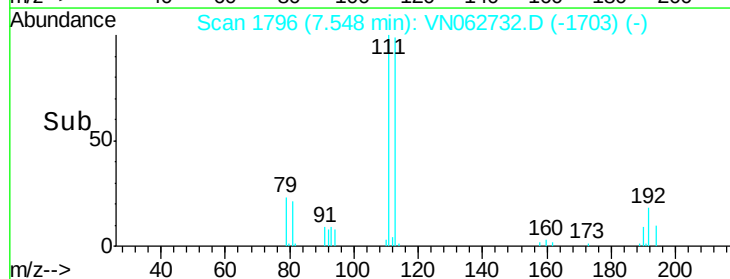
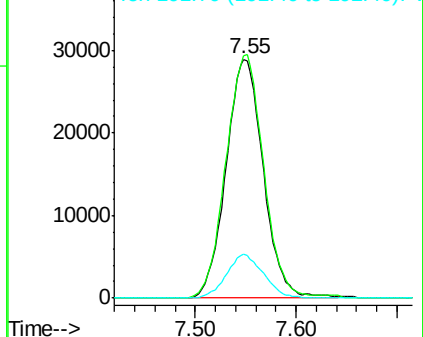
192 18.2 14.8 22.2

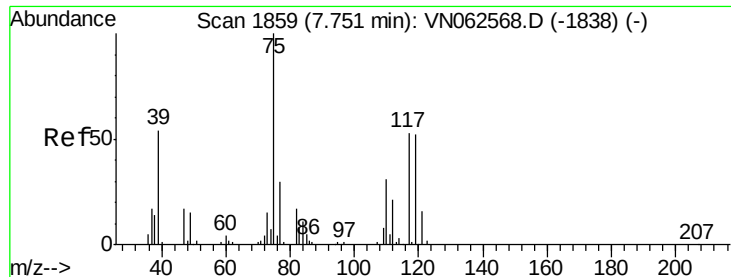


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.934 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.13 min

Lab File: VN062732.D

Acq: 3 Aug 2020 13:49

Instrument :

MSVOA_N

ClientSampled :

I-LGC-5DL

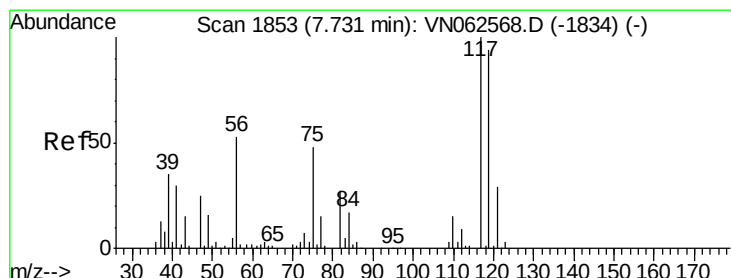
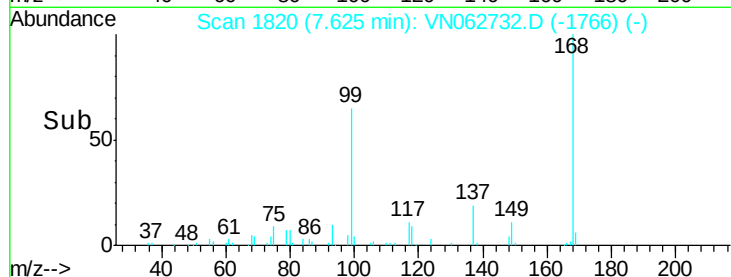
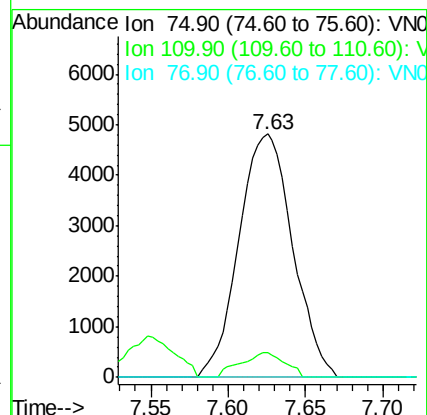
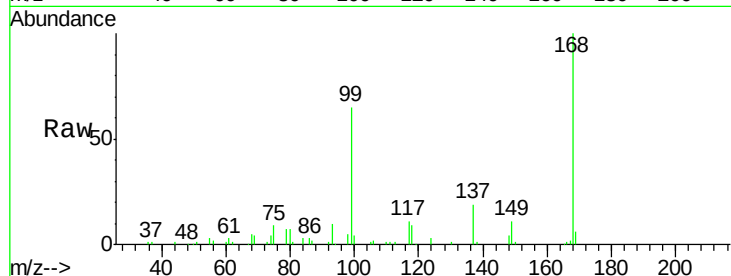
Tot Ion: 75 Resp: 11628

Ion Ratio Lower Upper

75 100

110 8.4 16.0 48.0#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 6.343 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.11 min

Lab File: VN062732.D

Acq: 3 Aug 2020 13:49

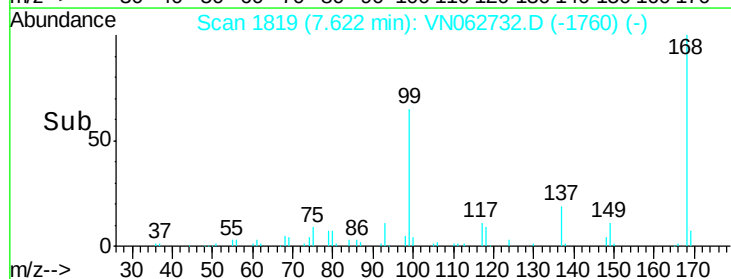
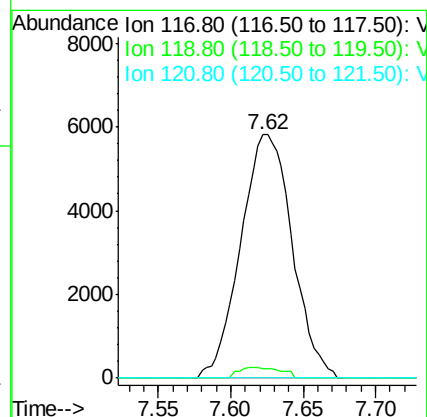
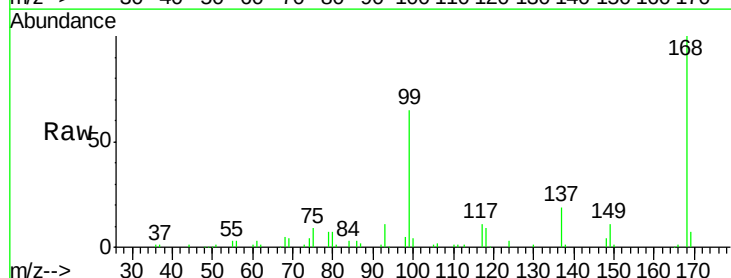
Tgt Ion: 117 Resp: 14369

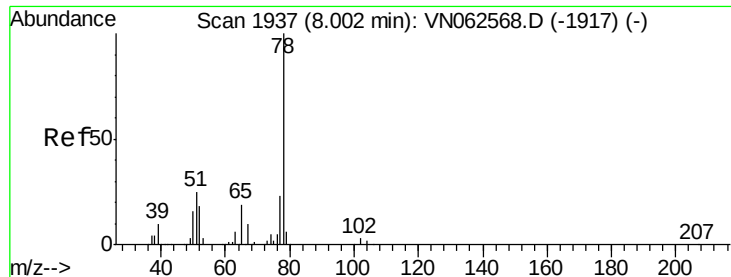
Ion Ratio Lower Upper

117 100

119 3.9 74.8 112.2#

121 0.0 23.0 34.6#





#40

Benzene

Concen: 0.265 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN062732.D

Acq: 3 Aug 2020 13:49

Instrument :

MSVOA_N

ClientSampleId :

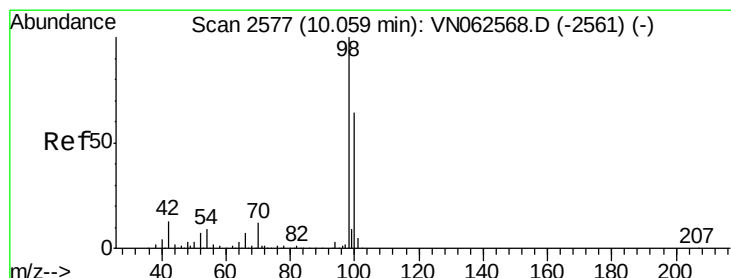
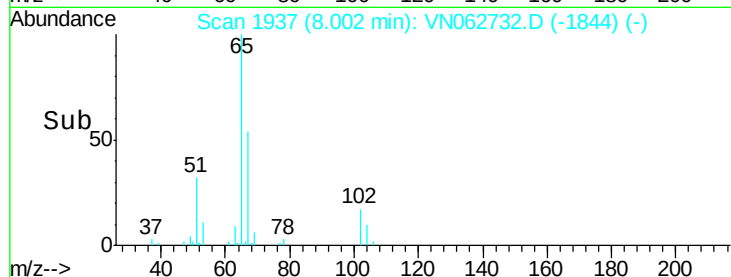
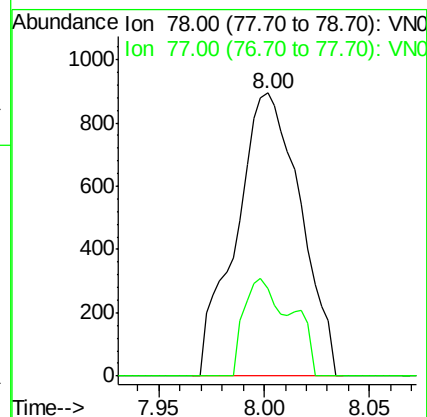
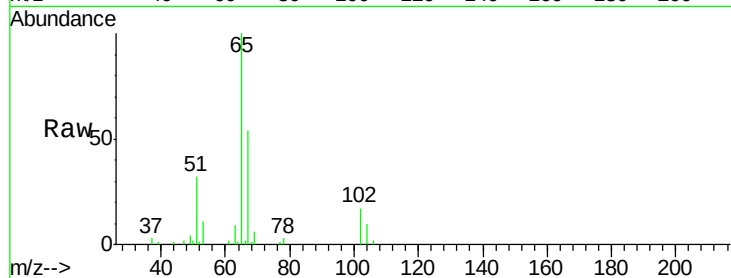
I-LGC-5DL

Tot Ion: 78 Resp: 1894

Ion Ratio Lower Upper

78 100

77 31.1 18.7 28.1#



#50

Toluene-d8

Concen: 50.646 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062732.D

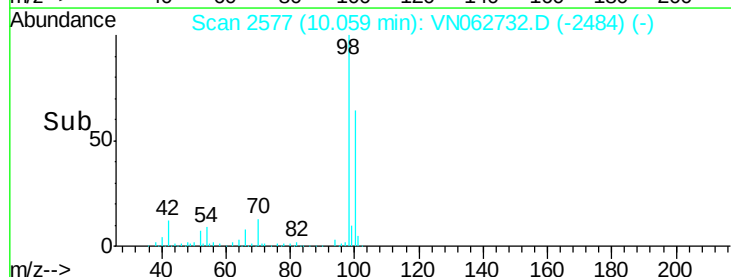
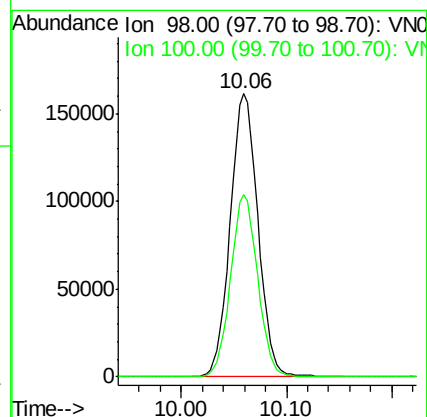
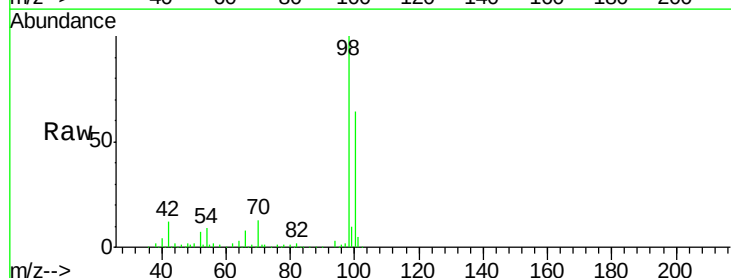
Acq: 3 Aug 2020 13:49

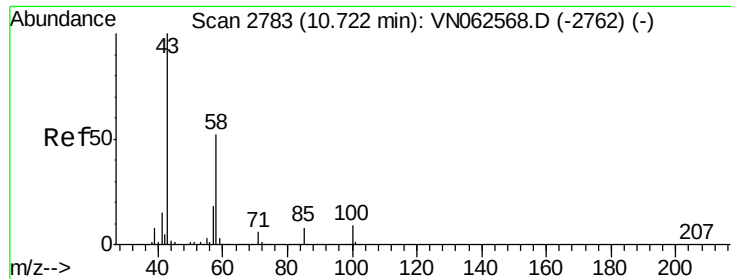
Tgt Ion: 98 Resp: 293479

Ion Ratio Lower Upper

98 100

100 62.9 50.9 76.3





#59

2-Hexanone

Concen: 3.099 ug/l

RT: 10.72 min Scan# 2782

Delta R.T. -0.00 min

Lab File: VN062732.D

Acq: 3 Aug 2020 13:49

Instrument :

MSVOA_N

ClientSampled :

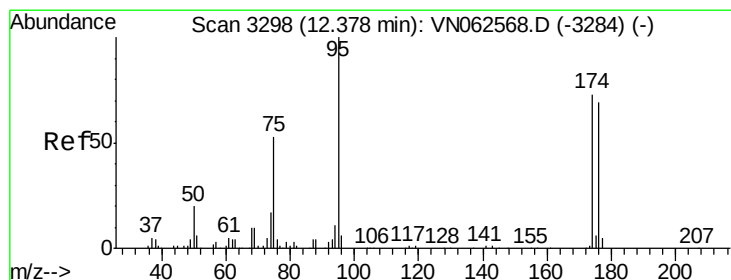
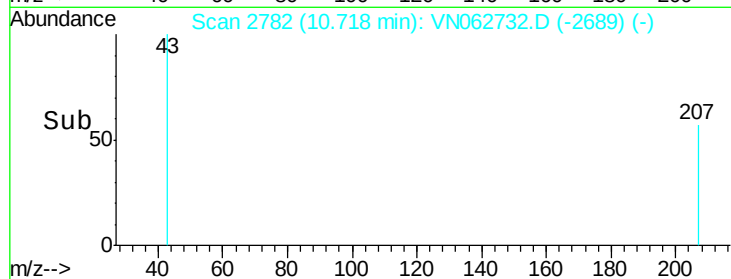
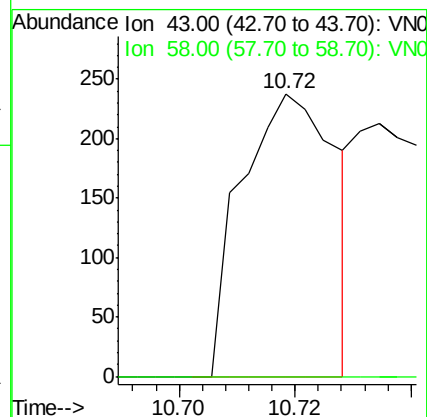
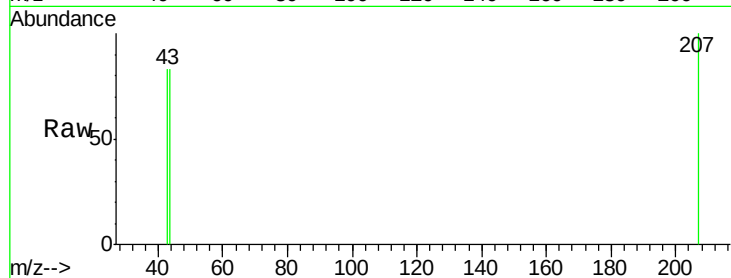
I-LGC-5DL

Tot Ion: 43 Resp: 268

Ion Ratio Lower Upper

43 100

58 0.0 26.0 78.0#



#62

4-Bromofluorobenzene

Concen: 52.934 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062732.D

Acq: 3 Aug 2020 13:49

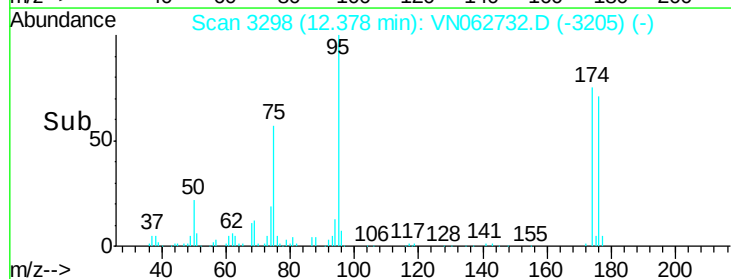
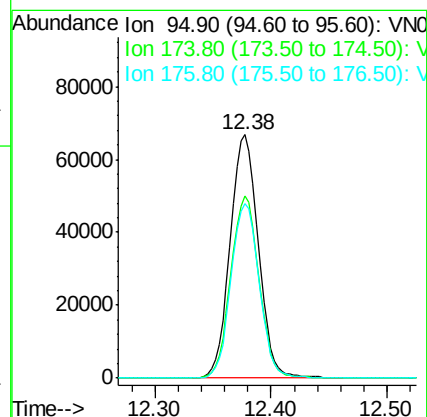
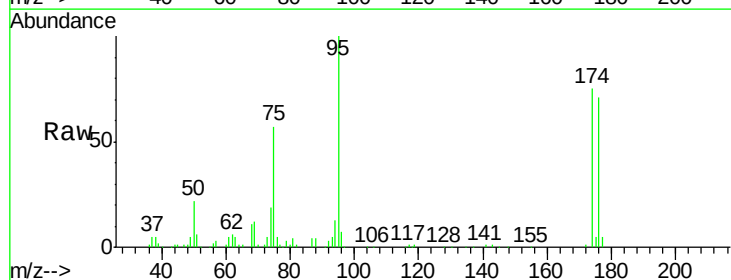
Tgt Ion: 95 Resp: 112155

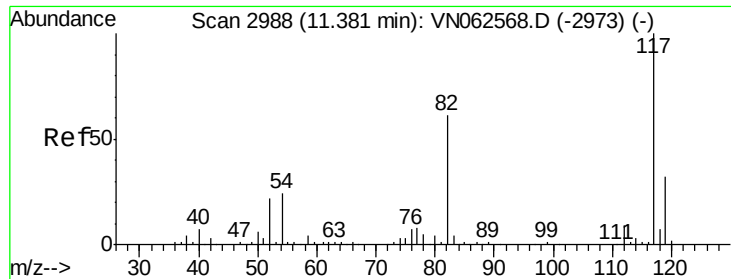
Ion Ratio Lower Upper

95 100

174 74.8 0.0 144.6

176 71.7 0.0 139.4

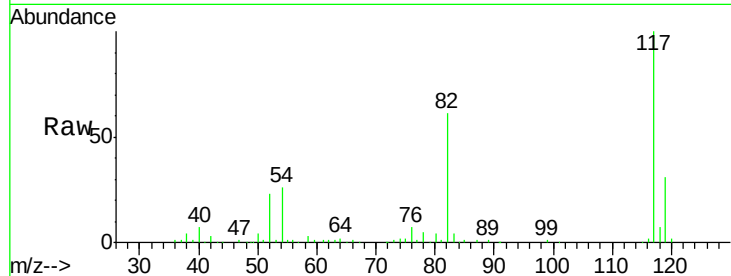




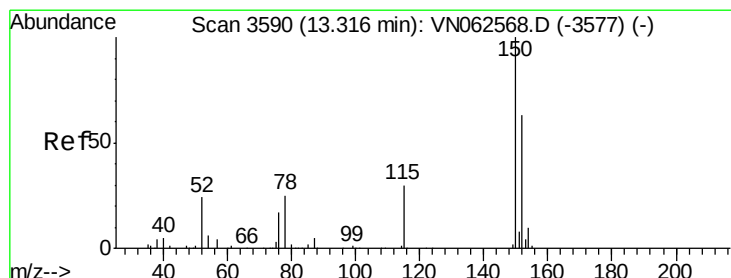
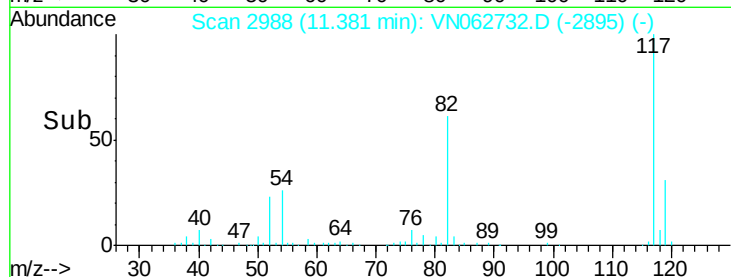
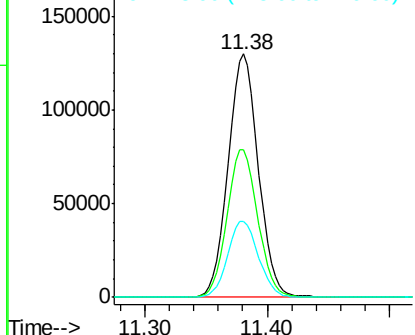
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062732.D
Acq: 3 Aug 2020 13:49

Instrument :
MSVOA_N
ClientSampleId :
I-LGC-5DL

Tot Ion:117 Resp: 224778
Ion Ratio Lower Upper
117 100
82 60.8 49.0 73.6
119 31.4 25.4 38.2

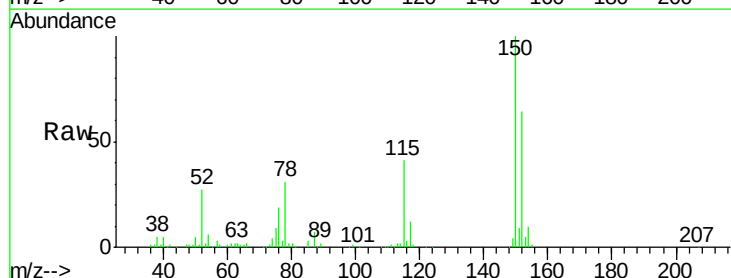


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

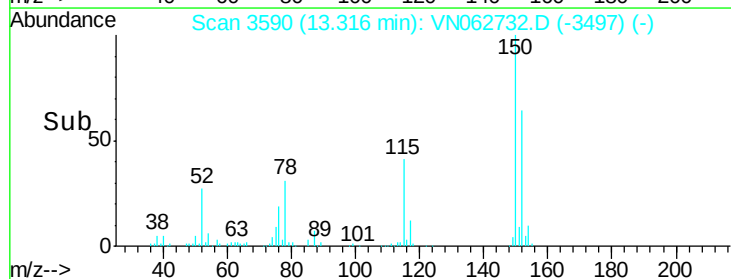
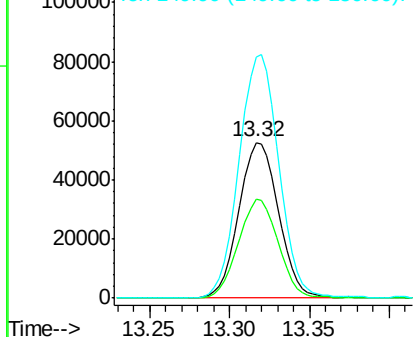


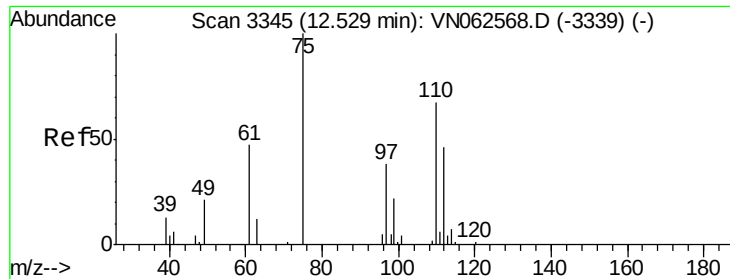
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3590
Delta R.T. -0.00 min
Lab File: VN062732.D
Acq: 3 Aug 2020 13:49

Tgt Ion:152 Resp: 89302
Ion Ratio Lower Upper
152 100
115 63.7 31.8 95.4
150 157.1 0.0 351.4



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: 28.411 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062732.D

Acq: 3 Aug 2020 13:49

Instrument :

MSVOA_N

ClientSampled :

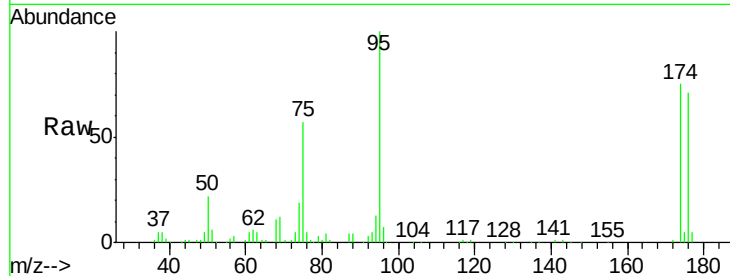
I-LGC-5DL

Tot Ion: 75 Resp: 64579

Ion Ratio Lower Upper

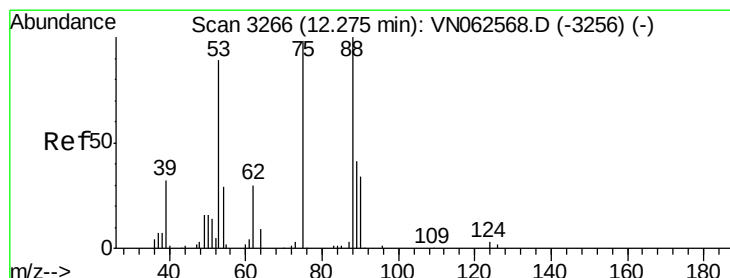
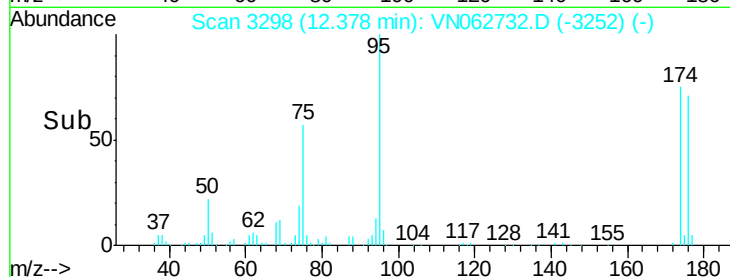
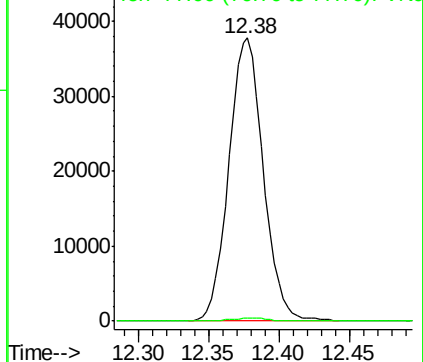
75 100

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: 79.089 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062732.D

Acq: 3 Aug 2020 13:49

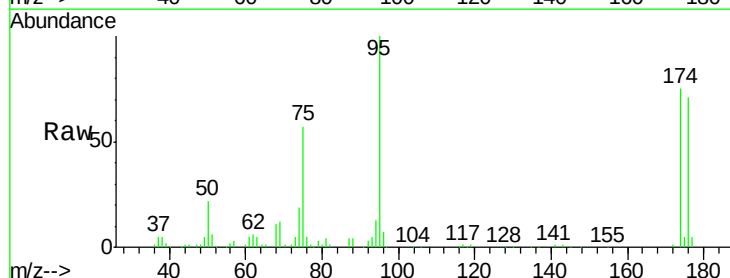
Tgt Ion: 75 Resp: 64579

Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

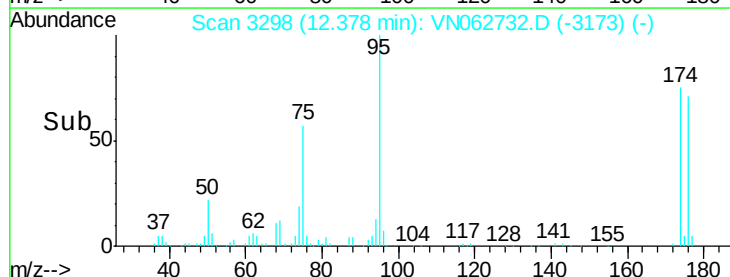
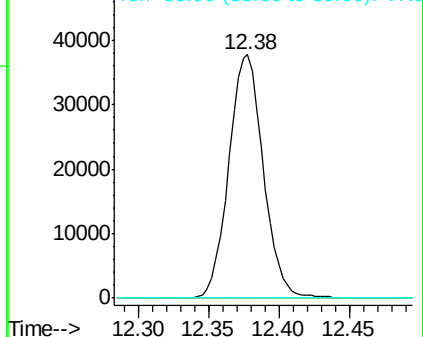
89 0.0 34.5 51.7#

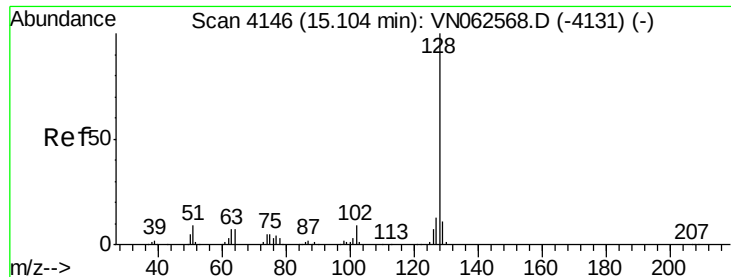


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

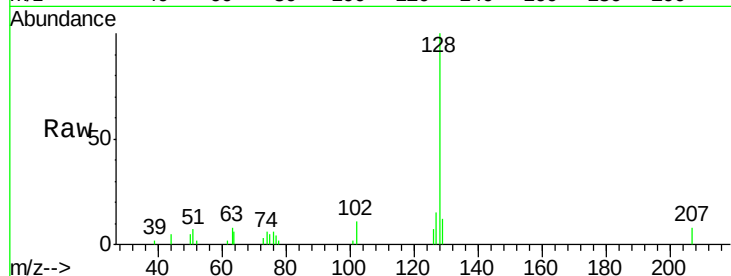




#95
Naphthalene
Concen: 7.511 ug/l
RT: 15.11 min Scan# 4147
Delta R.T. 0.00 min
Lab File: VN062732.D
Acq: 3 Aug 2020 13:49

Instrument :
MSVOA_N
ClientSampleId :
I-LGC-5DL

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.7	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

