

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080320\
 Data File : VN062733.D
 Acq On : 3 Aug 2020 14:13
 Operator : JC/MD
 Sample : L3539-04 20X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 E-LGC-5

Quant Time: Aug 04 03:30:21 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	130300	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	229690	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	223905	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	84230	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	111290	54.98	ug/l	0.00
Spiked Amount			Recovery	=	109.96%	
35) Dibromofluoromethane	7.55	113	75632	50.13	ug/l	0.00
Spiked Amount			Recovery	=	100.26%	
50) Toluene-d8	10.06	98	297360	49.40	ug/l	0.00
Spiked Amount			Recovery	=	98.80%	
62) 4-Bromofluorobenzene	12.38	95	106887	48.56	ug/l	0.00
Spiked Amount			Recovery	=	97.12%	

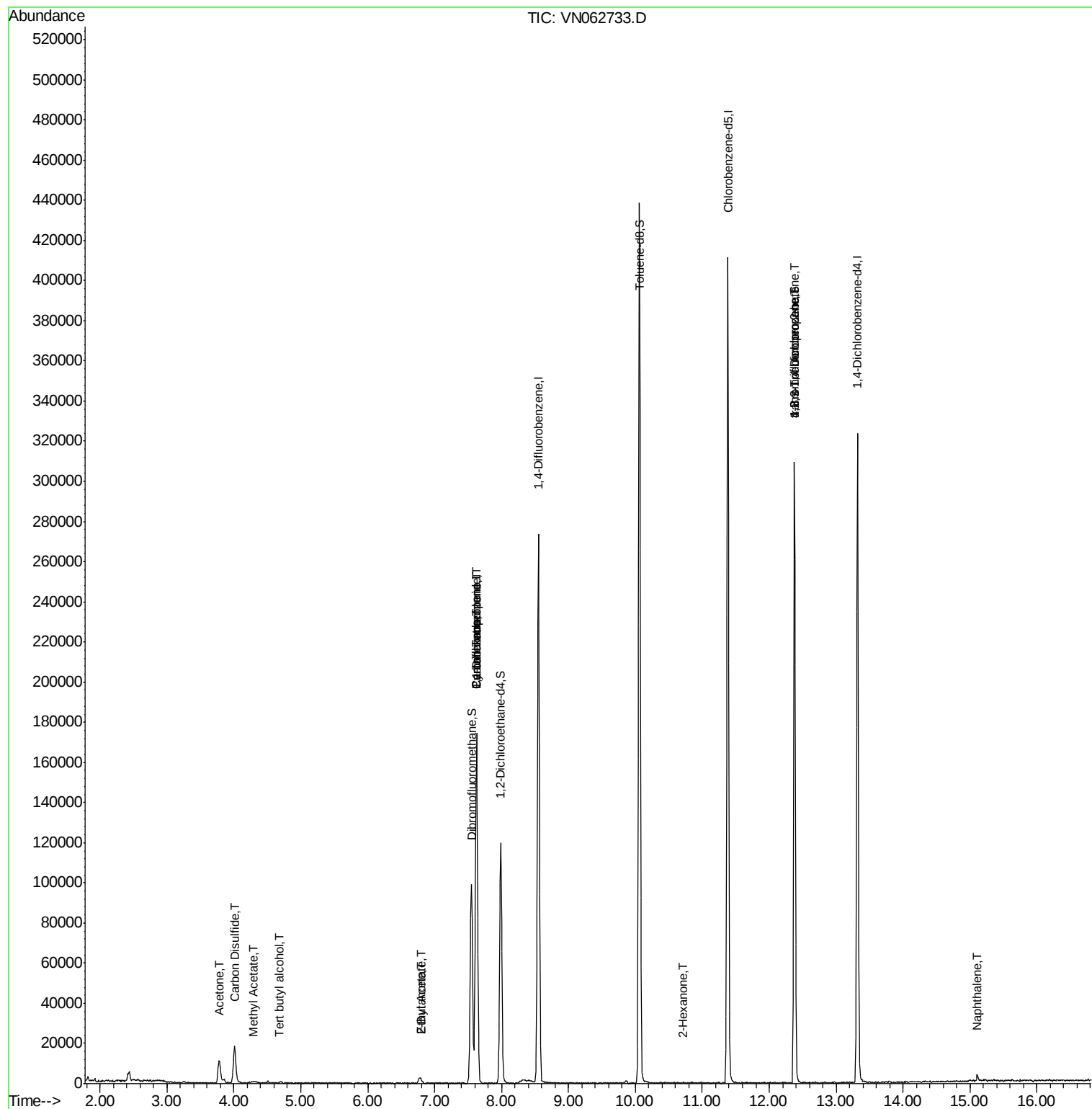
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.68	59	288	0.894	ug/l #	73
16) Acetone	3.78	43	19973	26.222	ug/l	96
17) Carbon Disulfide	4.01	76	34002	7.417	ug/l	98
18) Methyl Acetate	4.29	43	2267	1.176	ug/l #	65
25) 2-Butanone	6.80	43	821	0.708	ug/l #	52
31) Cyclohexane	7.63	56	3425	1.148	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	12305	5.026	ug/l #	51
37) Ethyl Acetate	6.80	43	821	0.311	ug/l #	69
38) Carbon Tetrachloride	7.63	117	14258	6.059	ug/l #	18
59) 2-Hexanone	10.71	43	328	3.124	ug/l #	26
76) 1,2,3-Trichloropropane	12.38	75	61683	28.771	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	61683	80.091	ug/l #	12
95) Naphthalene	15.10	128	3477	4.620	ug/l #	89

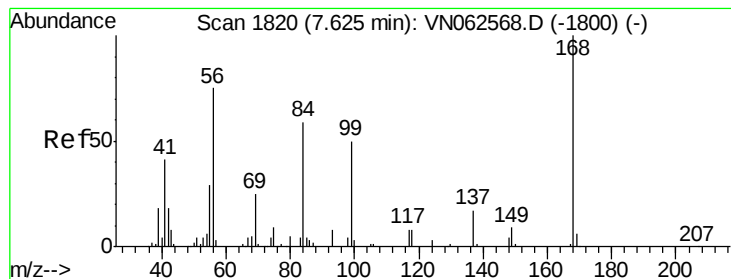
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN062733.D

Acq: 3 Aug 2020 14:13

Instrument :

MSVOA_N

ClientSampled :

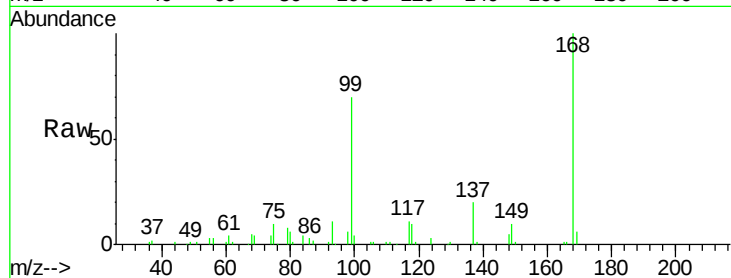
E-LGC-5

Tot Ion:168 Resp: 130300

Ion Ratio Lower Upper

168 100

99 69.6 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

60000

50000

40000

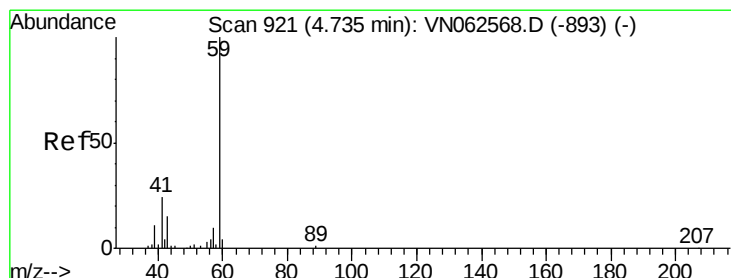
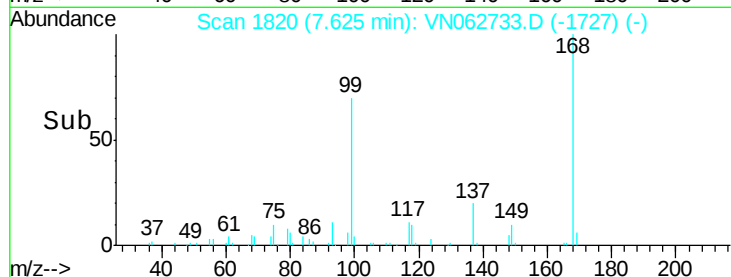
30000

20000

10000

0

Time--> 7.50 7.60 7.70



#11

Tert butyl alcohol

Concen: 0.894 ug/l

RT: 4.68 min Scan# 905

Delta R.T. -0.05 min

Lab File: VN062733.D

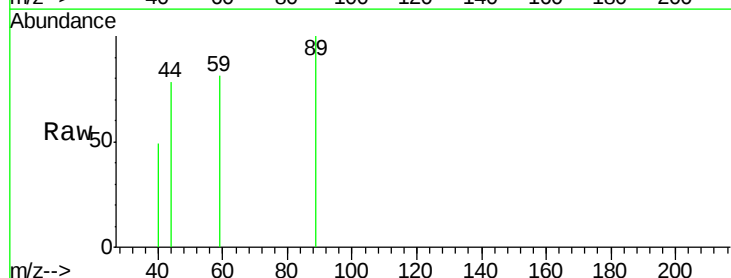
Acq: 3 Aug 2020 14:13

Tgt Ion: 59 Resp: 288

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.68

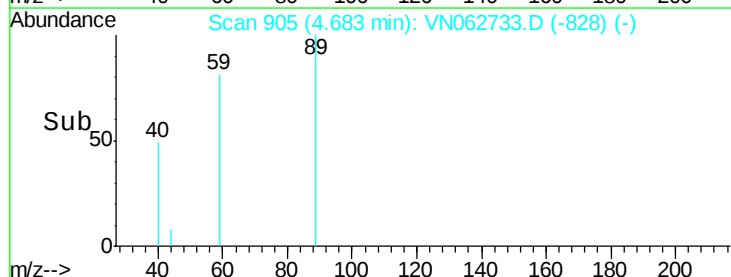
300

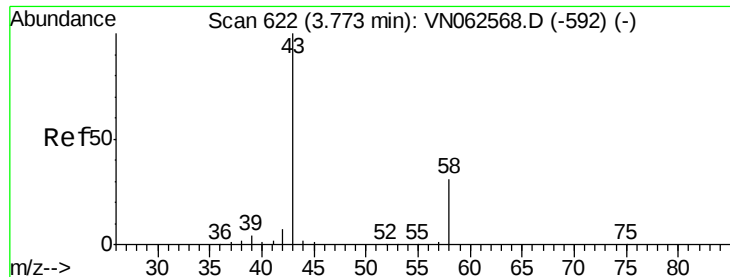
200

100

0

Time--> 4.66 4.67 4.68 4.69 4.70





#16

Acetone

Concen: 26.222 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN062733.D

Acq: 3 Aug 2020 14:13

Instrument :

MSVOA_N

ClientSampled :

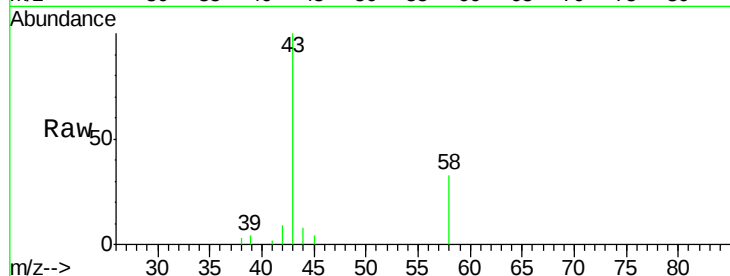
E-LGC-5

Tot Ion: 43 Resp: 19973

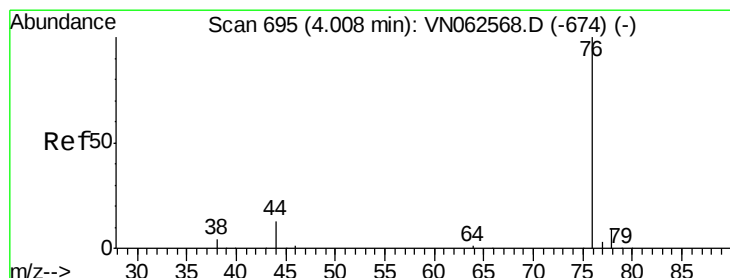
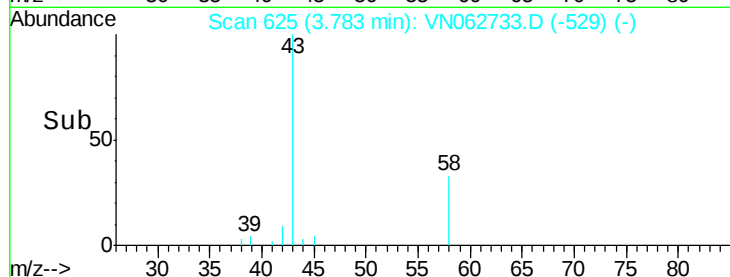
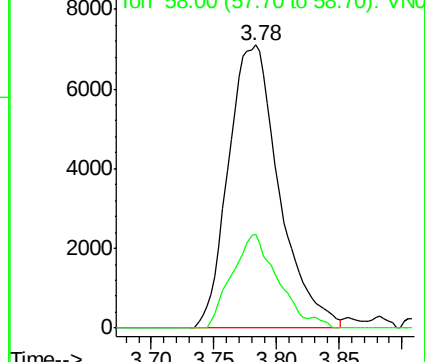
Ion Ratio Lower Upper

43 100

58 33.0 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VN062733.D (-625) (-)



#17

Carbon Disulfide

Concen: 7.417 ug/l

RT: 4.01 min Scan# 696

Delta R.T. 0.00 min

Lab File: VN062733.D

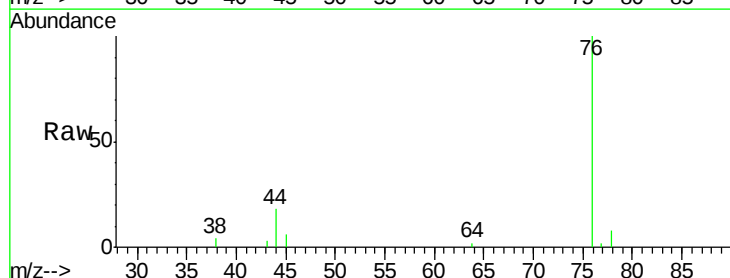
Acq: 3 Aug 2020 14:13

Tgt Ion: 76 Resp: 34002

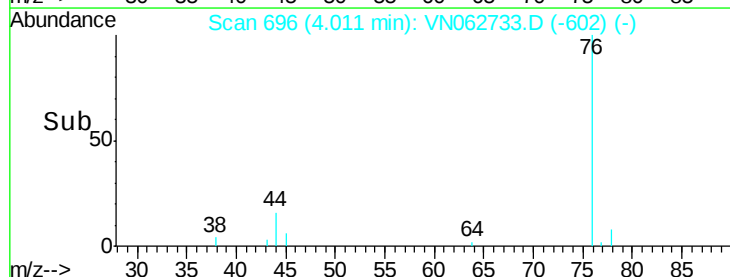
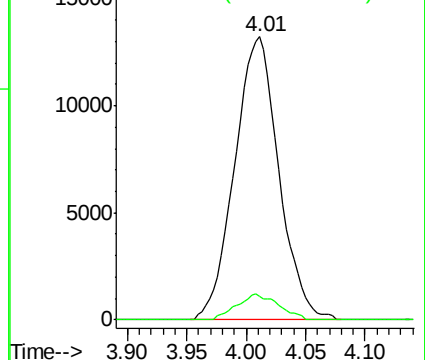
Ion Ratio Lower Upper

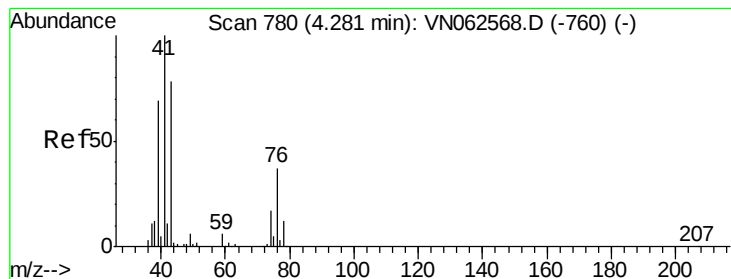
76 100

78 8.2 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN062733.D (-696) (-)





#18

Methyl Acetate

Concen: 1.176 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.01 min

Lab File: VN062733.D

Acq: 3 Aug 2020 14:13

Instrument :

MSVOA_N

ClientSampled :

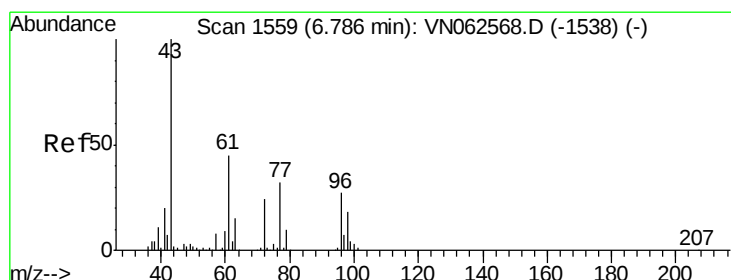
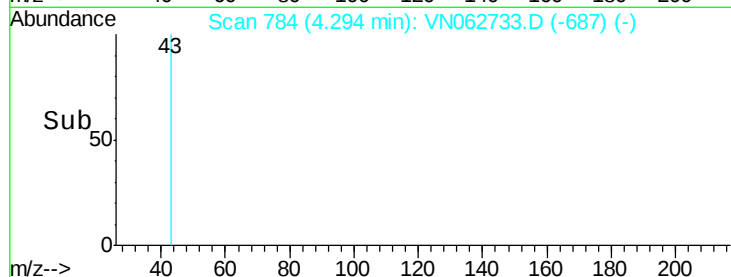
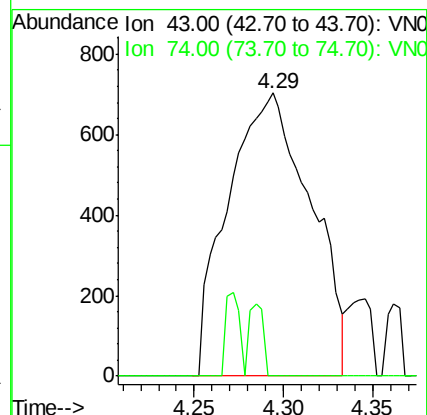
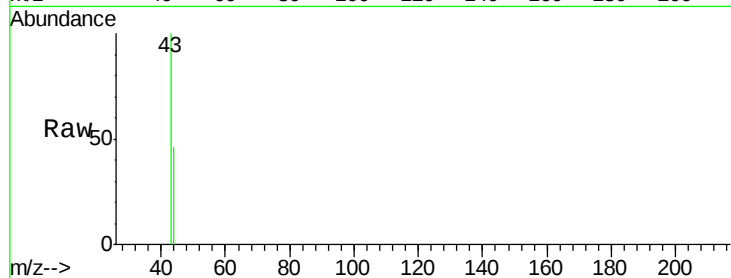
E-LGC-5

Tot Ion: 43 Resp: 2267

Ion Ratio Lower Upper

43 100

74 4.3 16.6 24.8#



#25

2-Butanone

Concen: 0.708 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.01 min

Lab File: VN062733.D

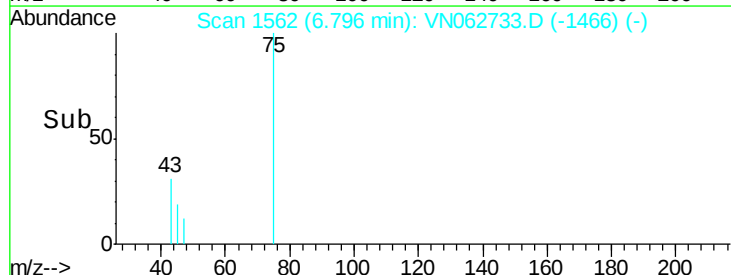
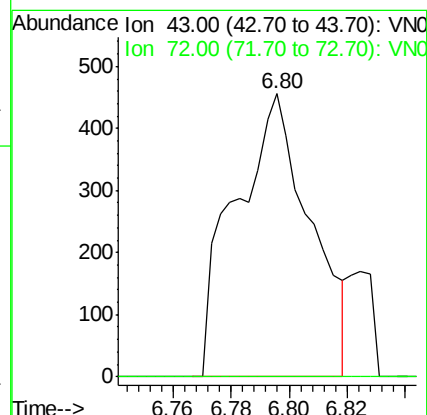
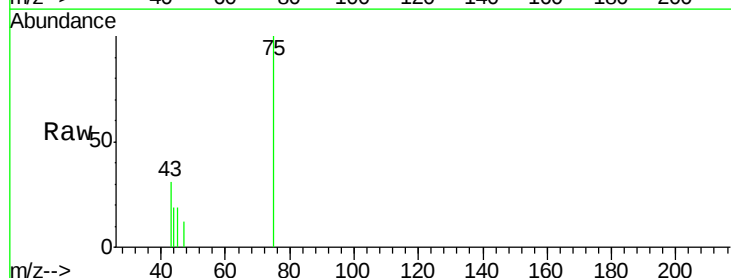
Acq: 3 Aug 2020 14:13

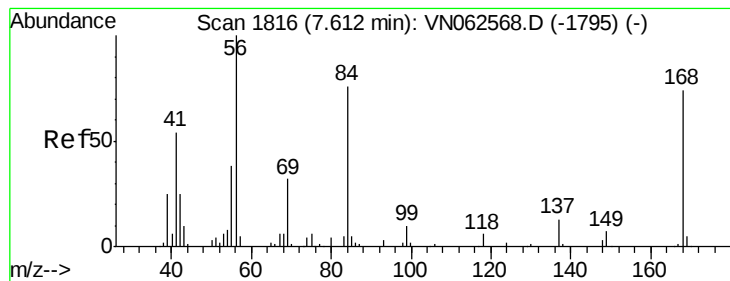
Tgt Ion: 43 Resp: 821

Ion Ratio Lower Upper

43 100

72 0.0 19.0 28.6#





#31

Cyclohexane

Concen: 1.148 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.02 min

Lab File: VN062733.D

Acq: 3 Aug 2020 14:13

Instrument :

MSVOA_N

ClientSampled :

E-LGC-5

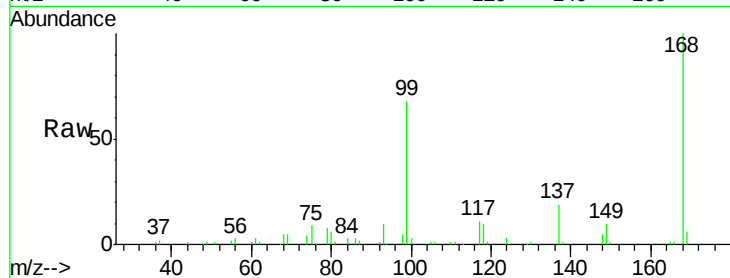
Tot Ion: 56 Resp: 3425

Ion Ratio Lower Upper

56 100

69 167.2 25.3 37.9#

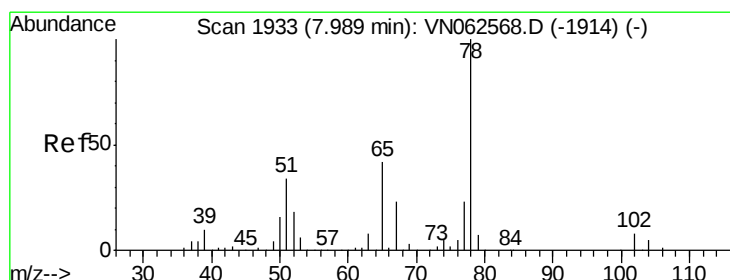
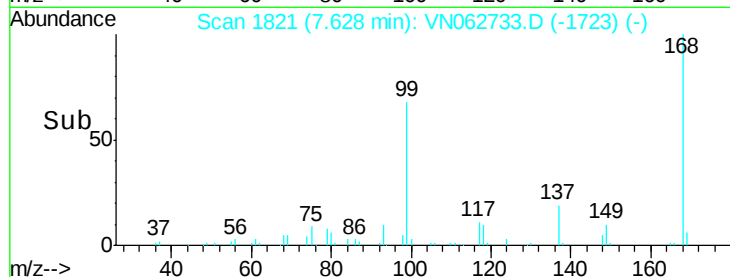
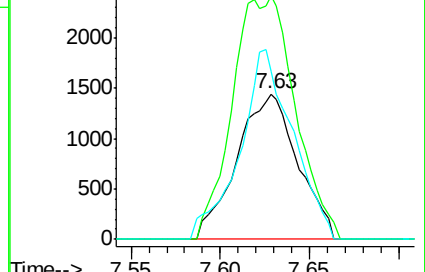
84 115.0 61.0 91.4#



Abundance Ion 56.00 (55.70 to 56.70): VN062733.D (-1723) (-)

Ion 69.00 (68.70 to 69.70): VN062733.D (-1723) (-)

Ion 84.00 (83.70 to 84.70): VN062733.D (-1723) (-)



#33

1,2-Dichloroethane-d4

Concen: 54.981 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. -0.00 min

Lab File: VN062733.D

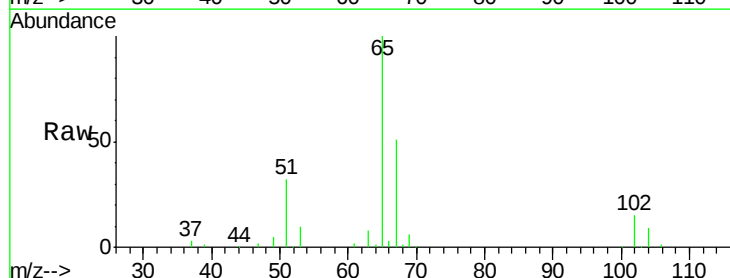
Acq: 3 Aug 2020 14:13

Tgt Ion: 65 Resp: 111290

Ion Ratio Lower Upper

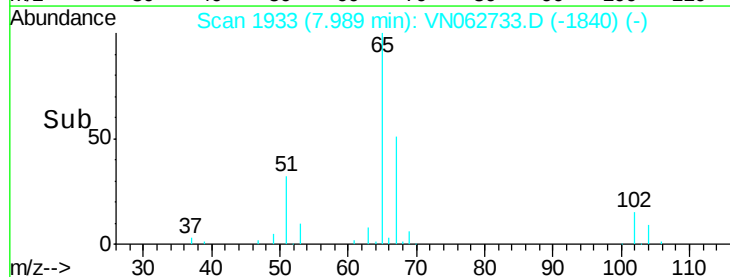
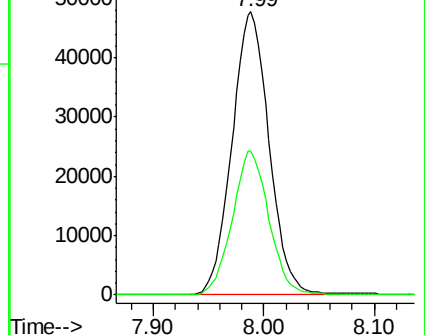
65 100

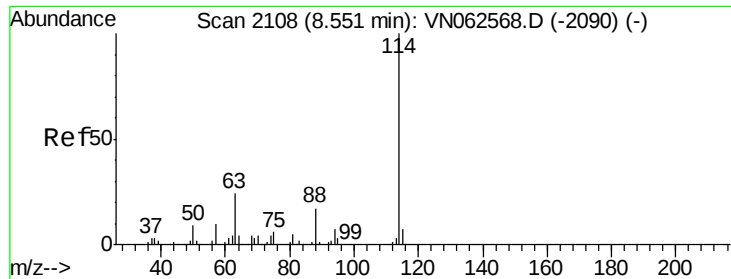
67 50.0 0.0 106.0



Abundance Ion 64.90 (64.60 to 65.60): VN062733.D (-1840) (-)

Ion 66.90 (66.60 to 67.60): VN062733.D (-1840) (-)

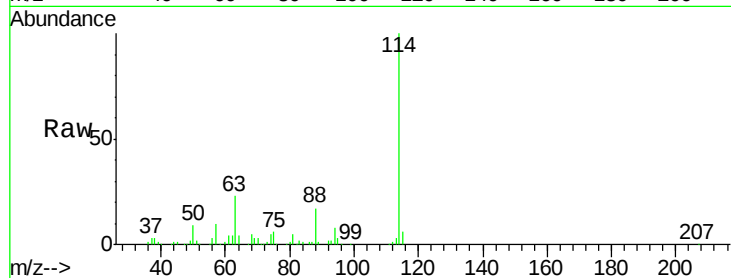




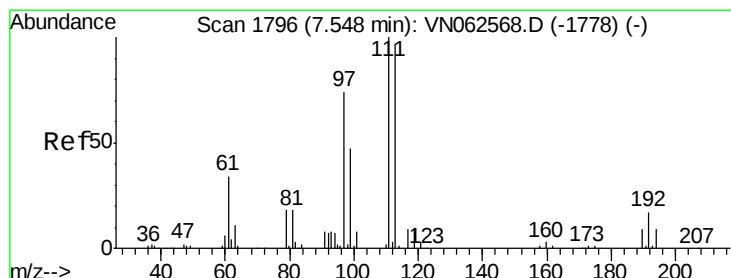
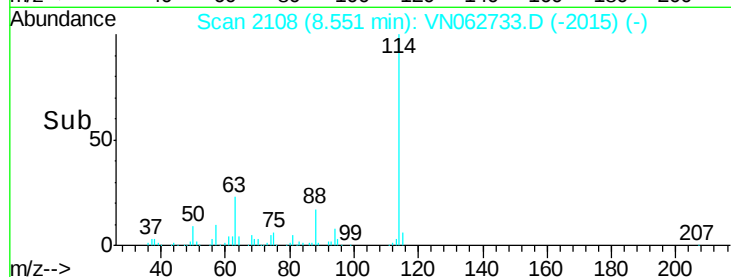
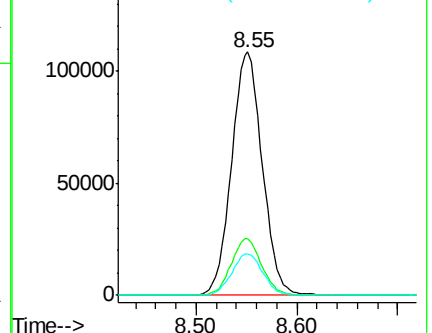
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062733.D
 Acq: 3 Aug 2020 14:13

Instrument :
 MSVOA_N
 ClientSampled :
 E-LGC-5

Tot Ion	Ratio	Lower	Upper
114	100		
63	23.1	0.0	48.4
88	17.2	0.0	33.8

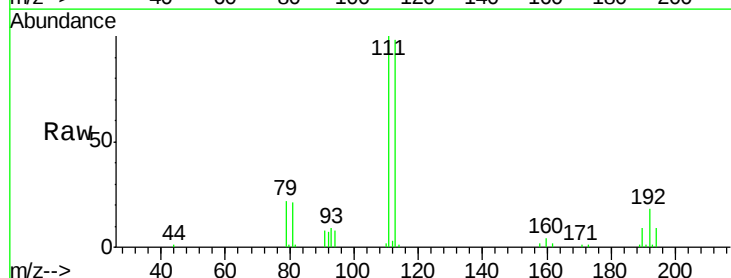


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

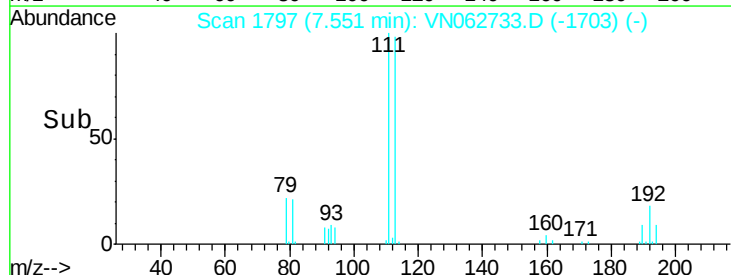
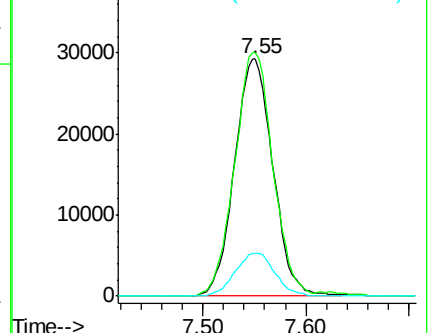


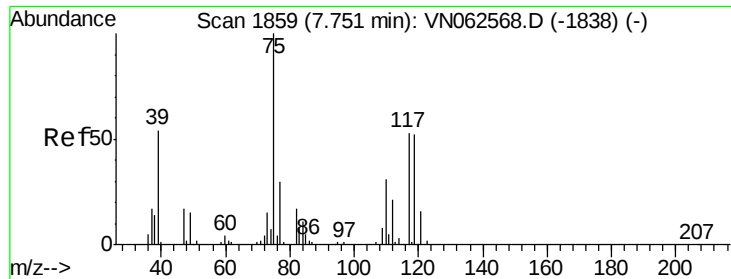
#35
 Dibromofluoromethane
 Concen: 50.129 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062733.D
 Acq: 3 Aug 2020 14:13

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.7	124.1
192	18.7	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

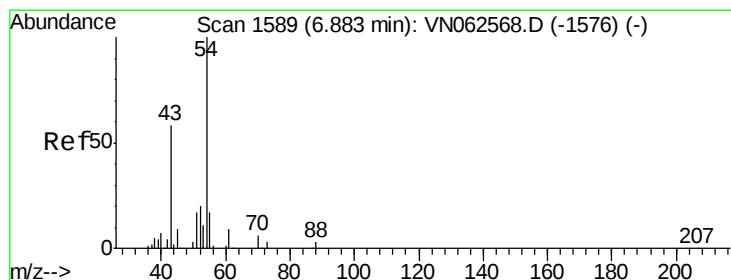
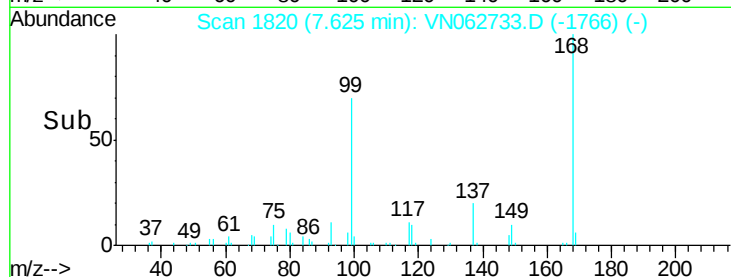
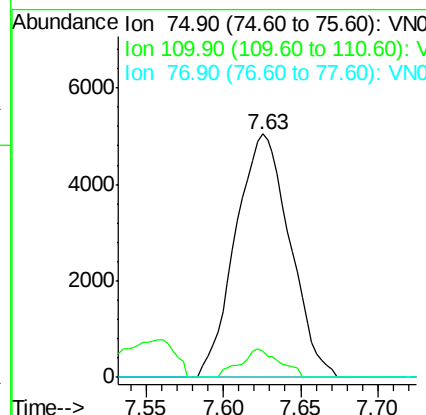
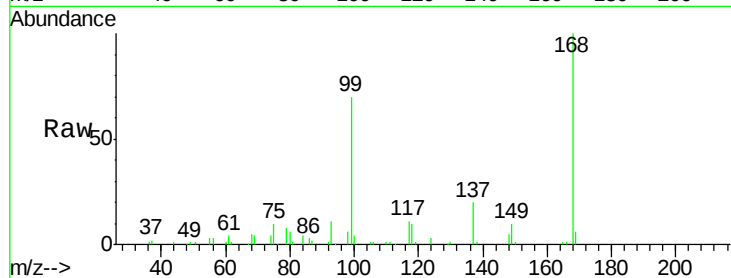




#36
 1,1-Dichloropropene
 Concen: 5.026 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062733.D
 Acq: 3 Aug 2020 14:13

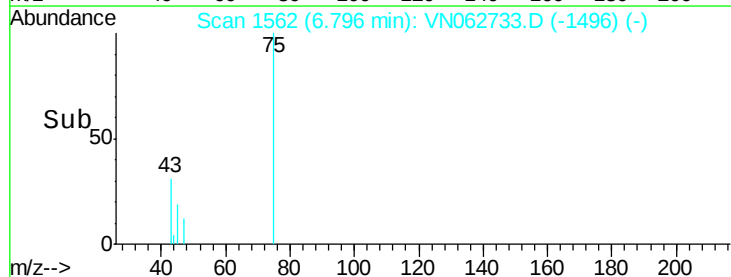
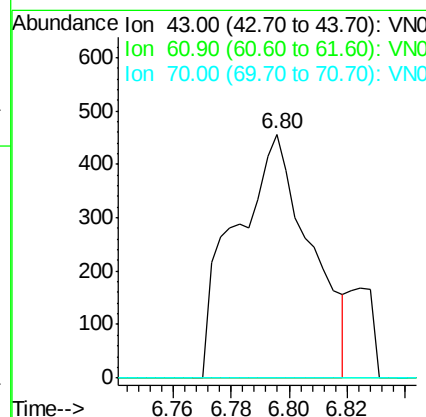
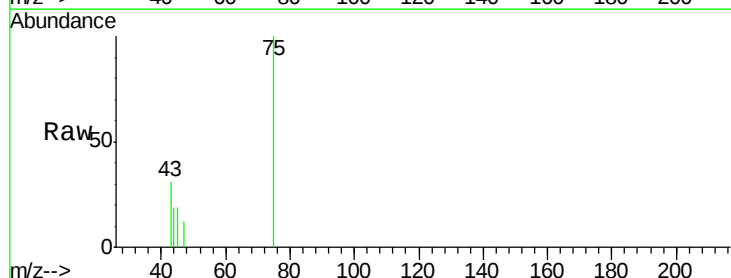
Instrument :
 MSVOA_N
 ClientSampled :
 E-LGC-5

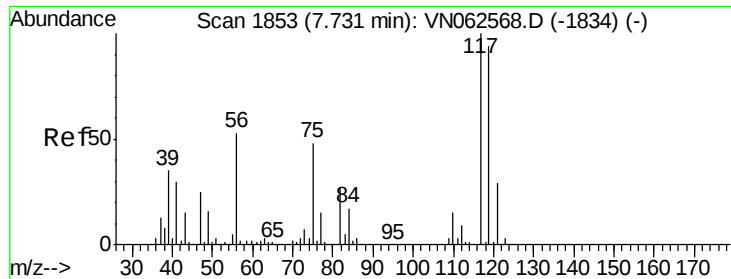
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.3	16.0	48.0#
77	0.0	24.6	36.8#



#37
 Ethyl Acetate
 Concen: 0.311 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. -0.09 min
 Lab File: VN062733.D
 Acq: 3 Aug 2020 14:13

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.3	16.9#
70	0.0	7.7	11.5#





#38

Carbon Tetrachloride

Concen: 6.059 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN062733.D

Acq: 3 Aug 2020 14:13

Instrument :

MSVOA_N

ClientSampleId :

E-LGC-5

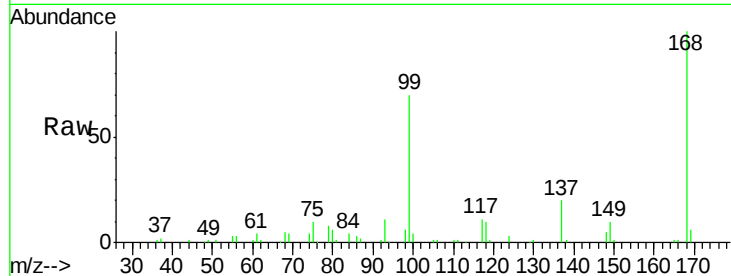
Tot Ion:117 Resp: 14258

Ion Ratio Lower Upper

117 100

119 6.3 74.8 112.2#

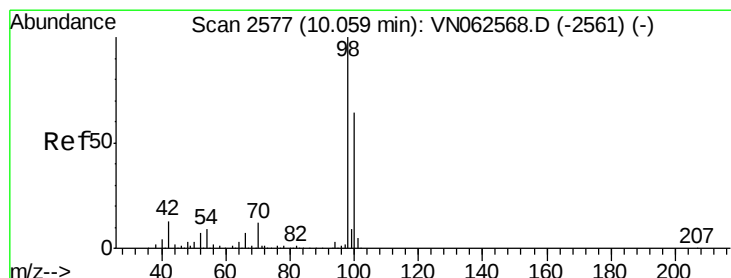
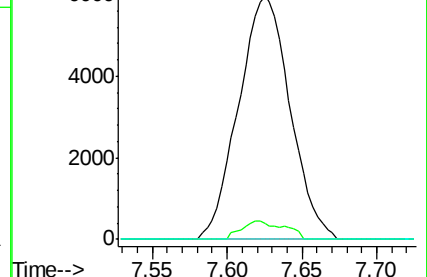
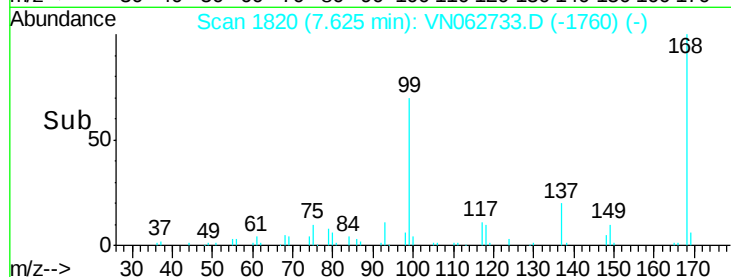
121 0.0 23.0 34.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 49.397 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062733.D

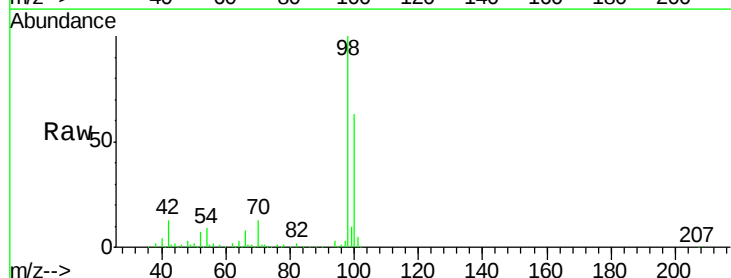
Acq: 3 Aug 2020 14:13

Tgt Ion: 98 Resp: 297360

Ion Ratio Lower Upper

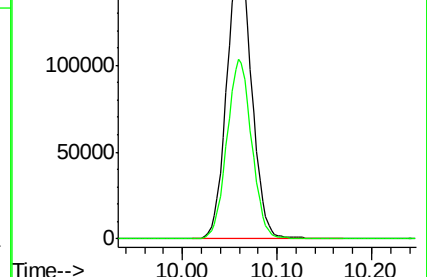
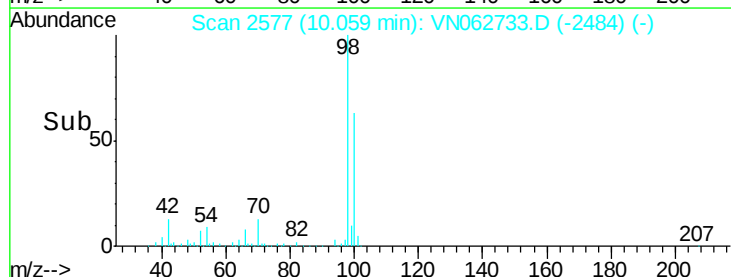
98 100

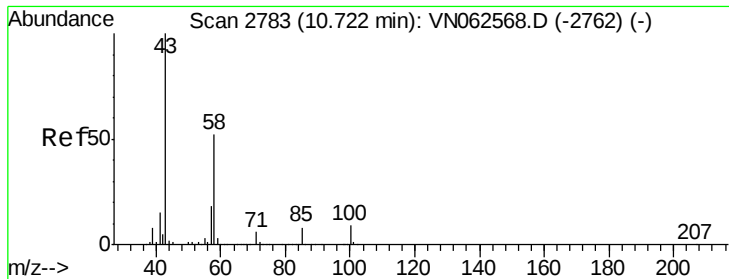
100 63.2 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#59

2-Hexanone

Concen: 3.124 ug/l

RT: 10.71 min Scan# 2780

Delta R.T. -0.01 min

Lab File: VN062733.D

Acq: 3 Aug 2020 14:13

Instrument :

MSVOA_N

ClientSampled :

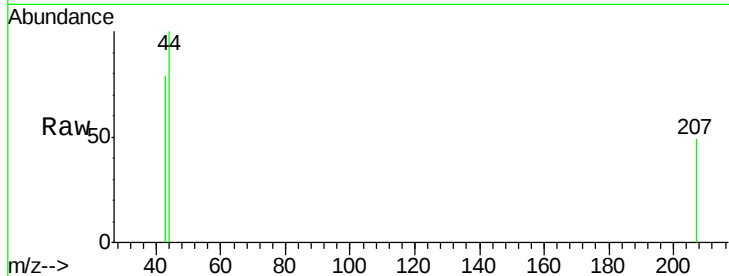
E-LGC-5

Tot Ion: 43 Resp: 328

Ion Ratio Lower Upper

43 100

58 0.0 26.0 78.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.71

250

200

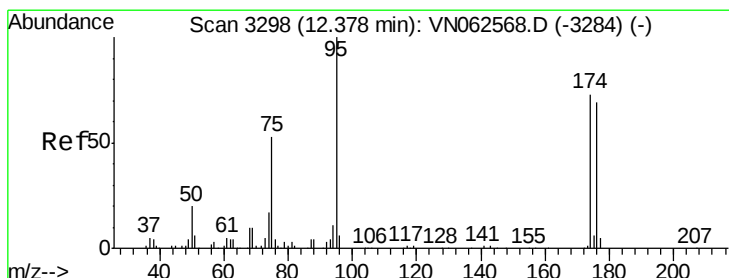
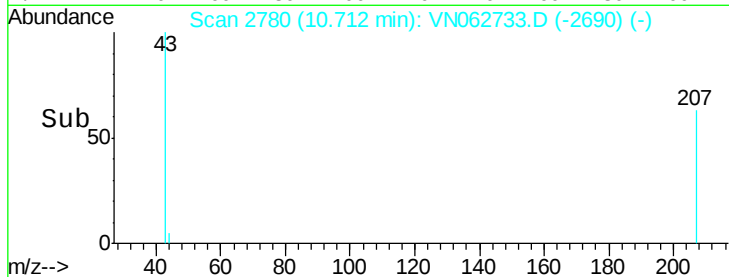
150

100

50

0

Time-->



#62

4-Bromofluorobenzene

Concen: 48.561 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062733.D

Acq: 3 Aug 2020 14:13

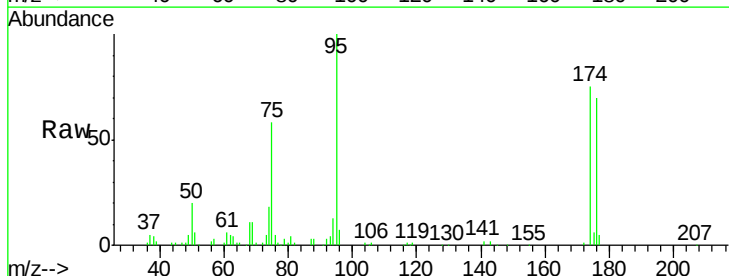
Tgt Ion: 95 Resp: 106887

Ion Ratio Lower Upper

95 100

174 74.9 0.0 144.6

176 70.5 0.0 139.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

80000

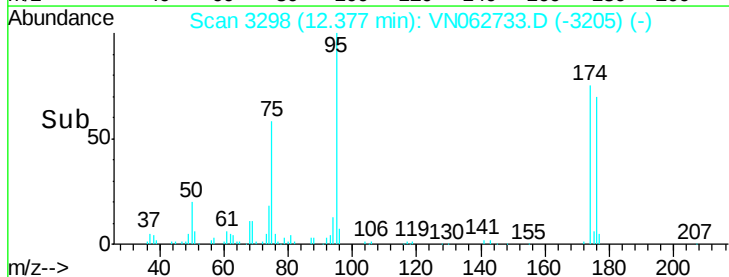
60000

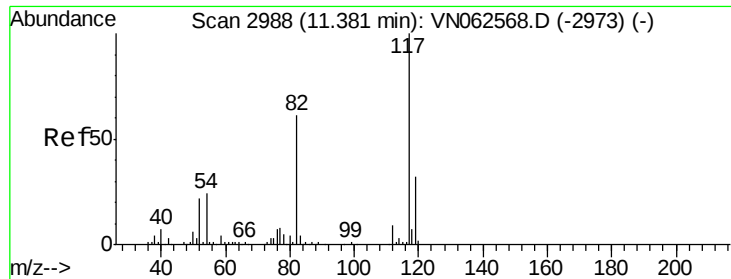
40000

20000

0

Time-->

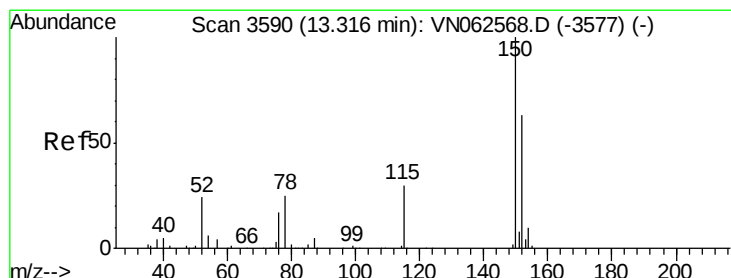
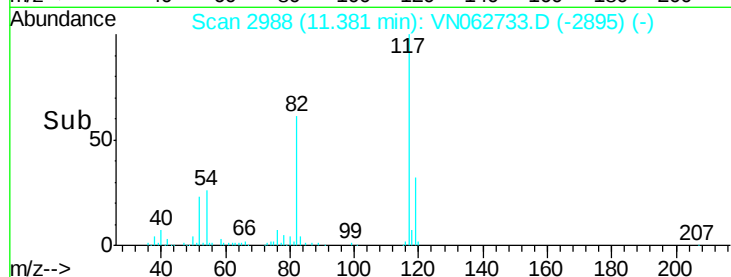
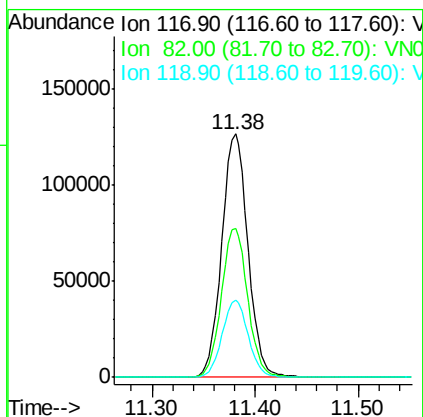
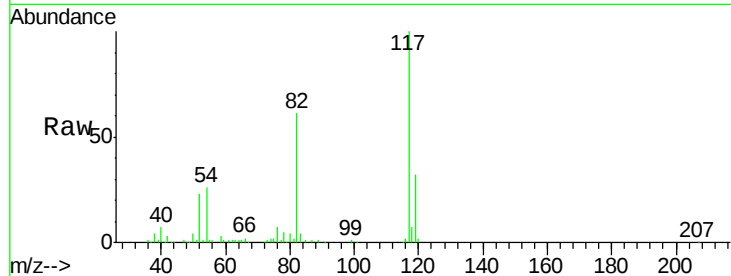




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062733.D
Acq: 3 Aug 2020 14:13

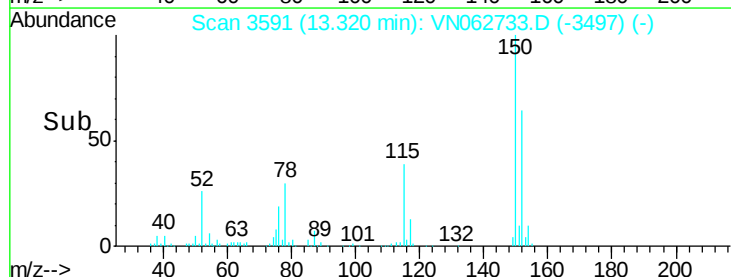
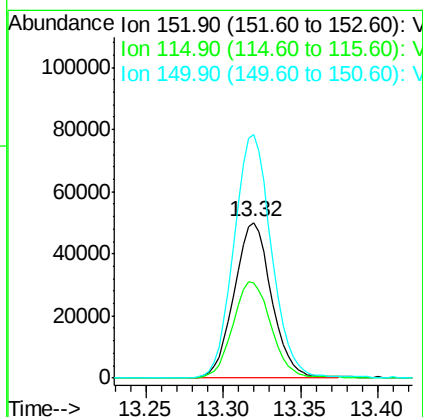
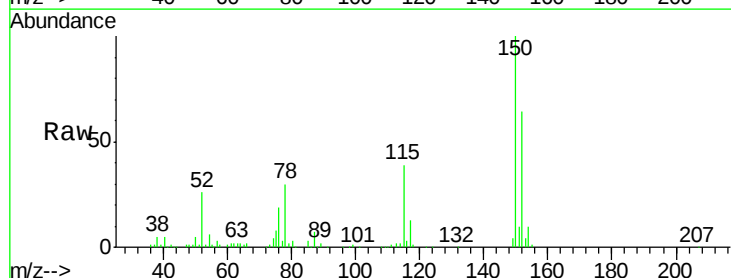
Instrument :
MSVOA_N
ClientSampleId :
E-LGC-5

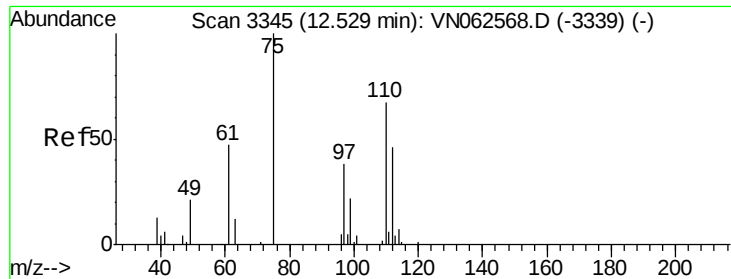
Tot Ion:117 Resp: 223905
Ion Ratio Lower Upper
117 100
82 61.3 49.0 73.6
119 31.9 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN062733.D
Acq: 3 Aug 2020 14:13

Tgt Ion:152 Resp: 84230
Ion Ratio Lower Upper
152 100
115 63.5 31.8 95.4
150 156.7 0.0 351.4





#76

1,2,3-Trichloropropane

Concen: 28.771 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062733.D

Acq: 3 Aug 2020 14:13

Instrument :

MSVOA_N

ClientSampled :

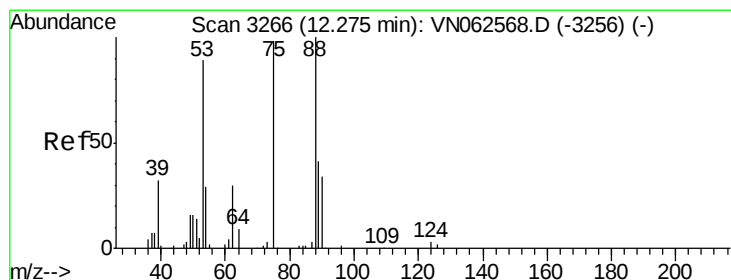
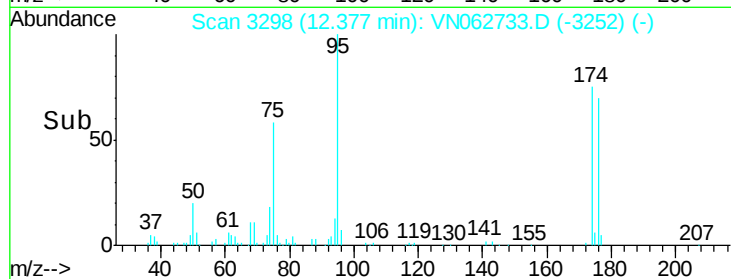
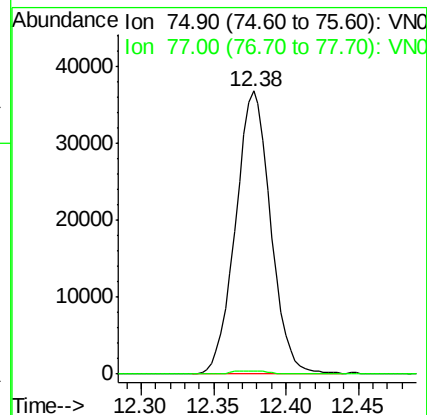
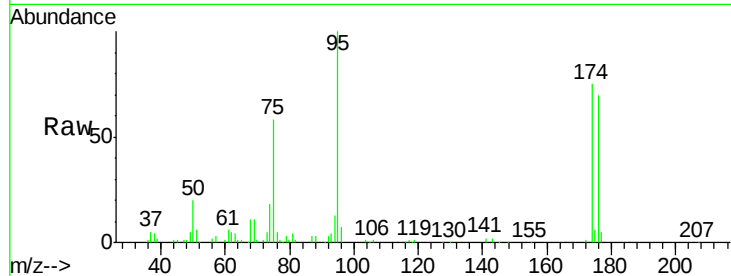
E-LGC-5

Tot Ion: 75 Resp: 61683

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 80.091 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062733.D

Acq: 3 Aug 2020 14:13

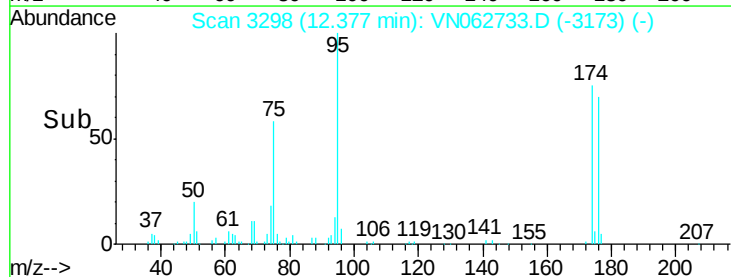
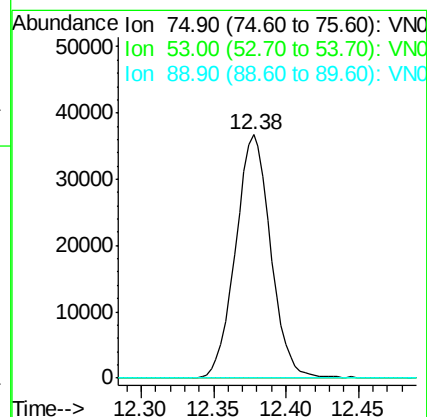
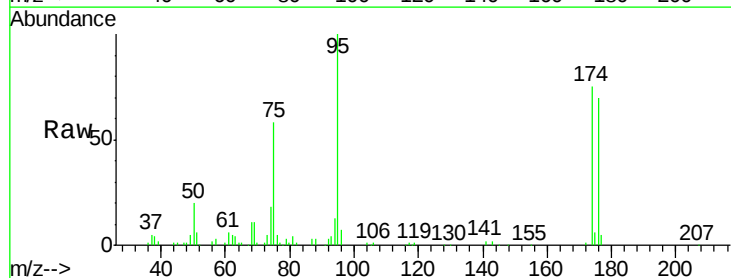
Tgt Ion: 75 Resp: 61683

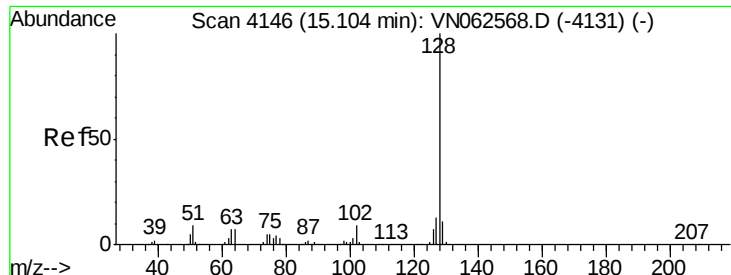
Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

89 0.0 34.5 51.7#





#95

Naphthalene

Concen: 4.620 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN062733.D

Acq: 3 Aug 2020 14:13

Instrument :

MSVOA_N

ClientSampleId :

E-LGC-5

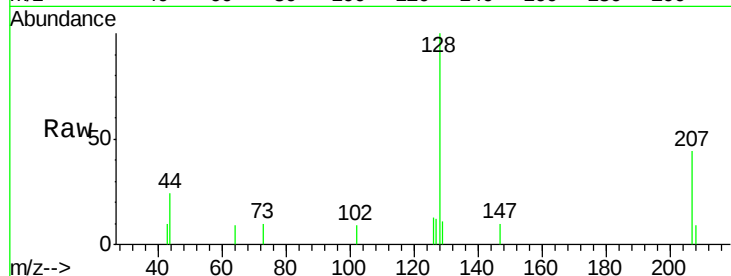
Tot Ion:128 Resp: 3477

Ion Ratio Lower Upper

128 100

127 9.1 10.4 15.6#

129 6.4 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

