

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX070120\
 Data File : VX017103.D
 Acq On : 01 Jul 2020 17:09
 Operator : JC/SP
 Sample : L3163-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 E-LGC-3

Quant Time: Jul 02 01:38:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 29 17:10:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	230808	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	409430	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	404824	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	218397	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	153753	54.04	ug/l	0.00
Spiked Amount			Recovery	=	108.08%	
35) Dibromofluoromethane	5.47	113	132465	51.15	ug/l	0.00
Spiked Amount			Recovery	=	102.30%	
50) Toluene-d8	8.70	98	485086	50.65	ug/l	0.00
Spiked Amount			Recovery	=	101.30%	
62) 4-Bromofluorobenzene	11.12	95	205252	54.82	ug/l	0.00
Spiked Amount			Recovery	=	109.64%	

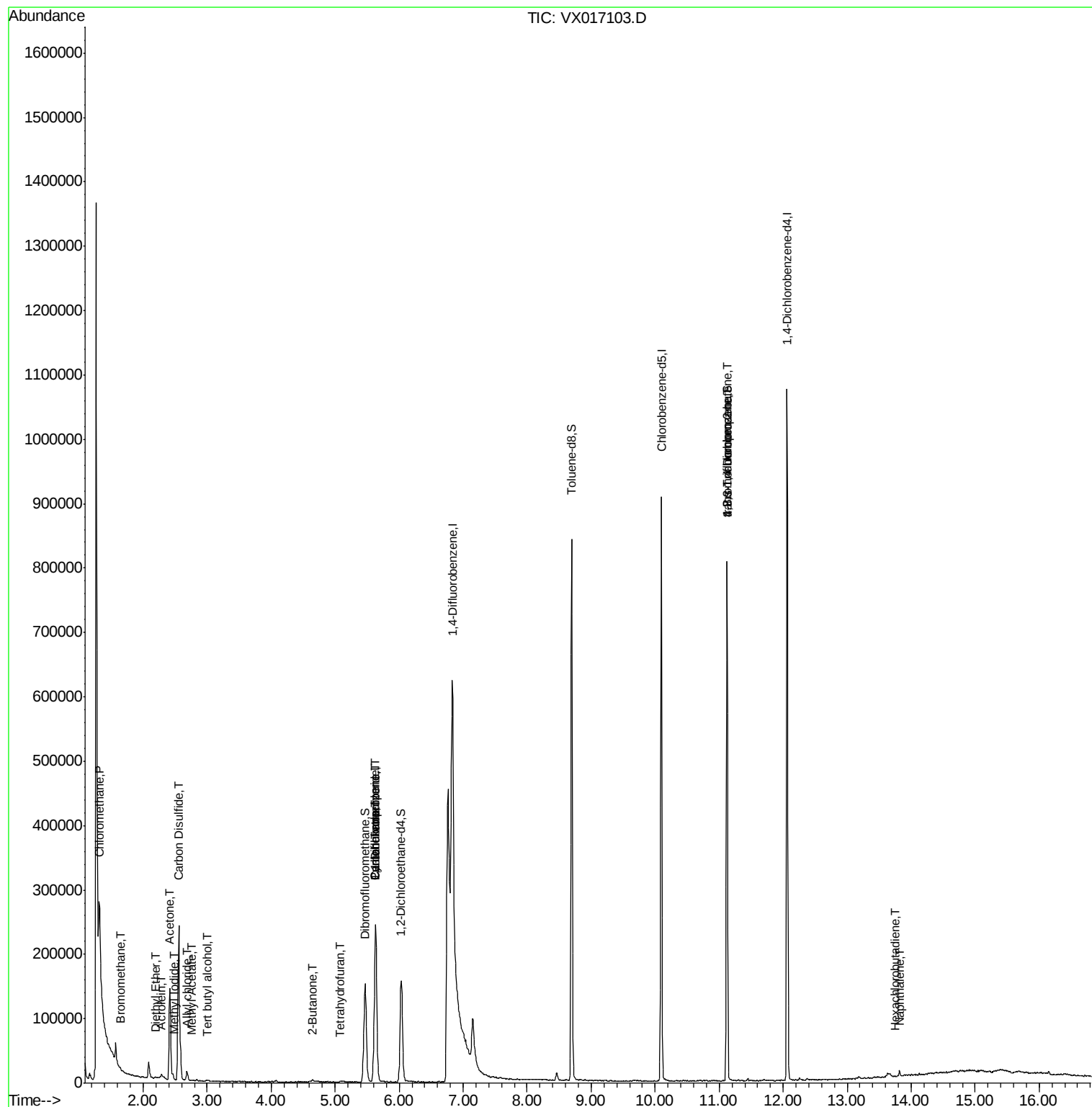
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	11492	4.252	ug/l #	51
5) Bromomethane	1.65	94	919	0.694	ug/l	89
8) Diethyl Ether	2.19	74	58	0.412	ug/l #	1
10) Methyl Iodide	2.49	142	1090	0.380	ug/l #	91
11) Tert butyl alcohol	3.01	59	1836	3.382	ug/l #	84
13) Acrolein	2.29	56	212	0.653	ug/l #	1
14) Allyl chloride	2.68	41	15796	3.743	ug/l #	48
16) Acetone	2.42	43	151067	141.922	ug/l	100
17) Carbon Disulfide	2.55	76	293116	46.001	ug/l	99
18) Methyl Acetate	2.75	43	1065	0.383	ug/l #	79
20) Methylene Chloride	2.84	84	798	Below Cal	#	94
25) 2-Butanone	4.65	43	4557	2.569	ug/l	95
29) Tetrahydrofuran	5.08	42	263	0.224	ug/l #	53
31) Cyclohexane	5.64	56	4510	1.174	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	17017	4.398	ug/l #	50
38) Carbon Tetrachloride	5.63	117	22765	5.341	ug/l #	17
44) Trichloroethene	7.19	130	182	Below Cal		58
76) 1,2,3-Trichloropropane	11.12	75	103264	24.045	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	103264	62.267	ug/l #	13
88) 1,4-Dichlorobenzene	12.01	146	304	Below Cal		94
94) Hexachlorobutadiene	13.76	225	40	0.867	ug/l #	17
95) Naphthalene	13.82	128	4895	0.353	ug/l #	82

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX070120\
Data File : VX017103.D
Acq On : 01 Jul 2020 17:09
Operator : JC/SP
Sample : L3163-04
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
E-LGC-3

Quant Time: Jul 02 01:38:01 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 29 17:10:38 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX017103.D

Acq: 01 Jul 2020 17:09

Instrument :

MSVOA_X

ClientSampled :

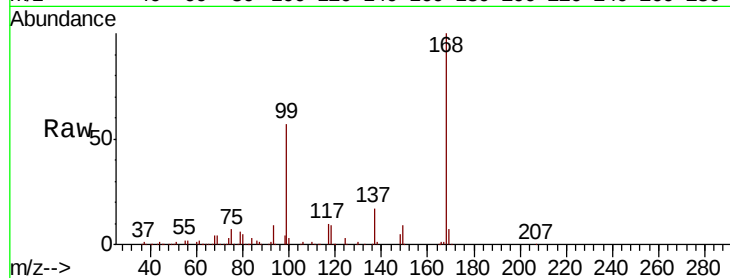
E-LGC-3

Tot Ion:168 Resp: 230808

Ion Ratio Lower Upper

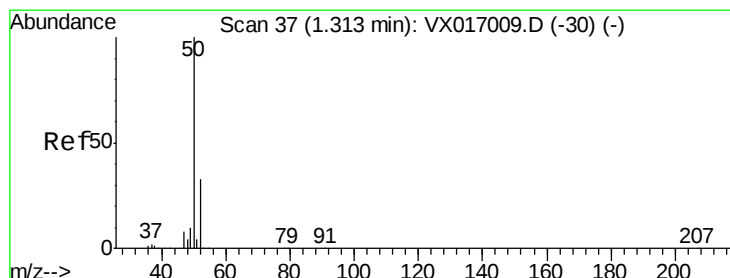
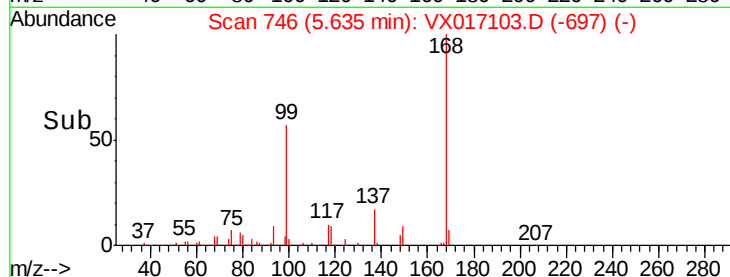
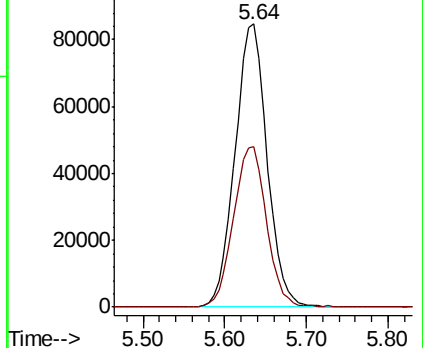
168 100

99 56.6 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 4.252 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX017103.D

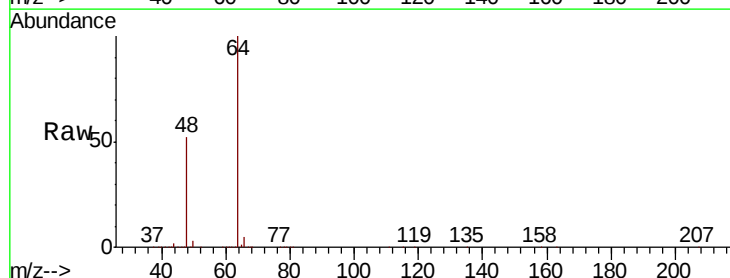
Acq: 01 Jul 2020 17:09

Tgt Ion: 50 Resp: 11492

Ion Ratio Lower Upper

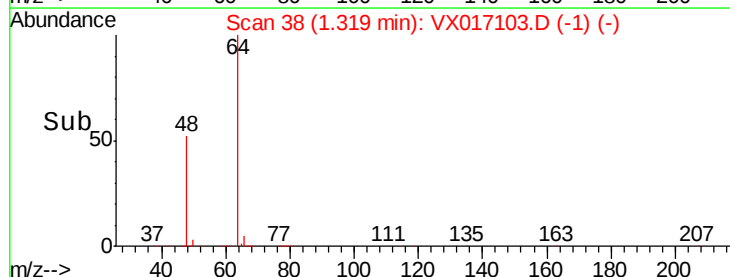
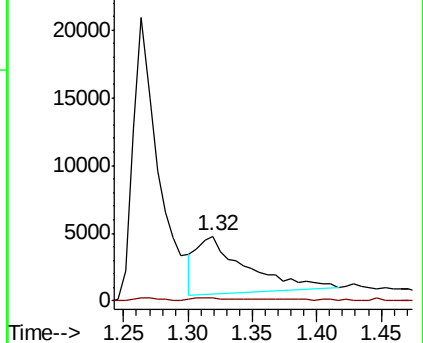
50 100

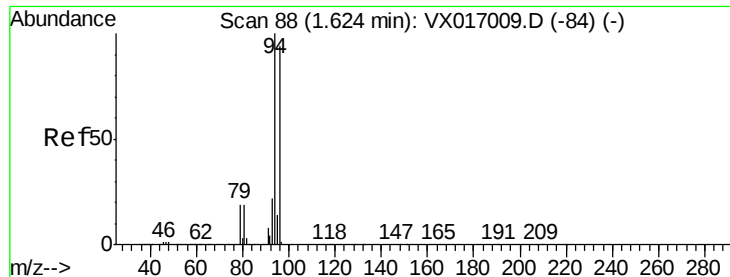
52 4.8 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.694 ug/l

RT: 1.65 min Scan# 92

Delta R.T. 0.03 min

Lab File: VX017103.D

Acq: 01 Jul 2020 17:09

Instrument :

MSVOA_X

ClientSampled :

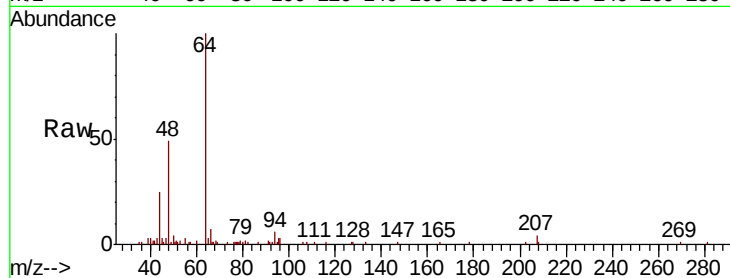
E-LGC-3

Tot Ion: 94 Resp: 919

Ion Ratio Lower Upper

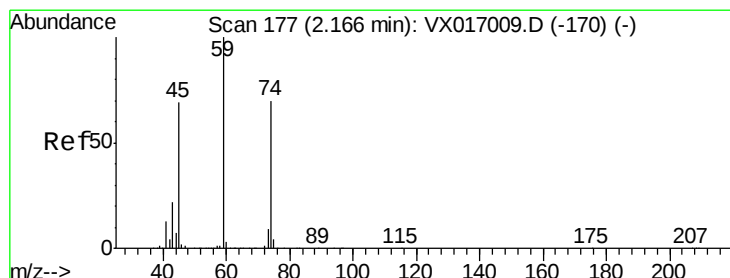
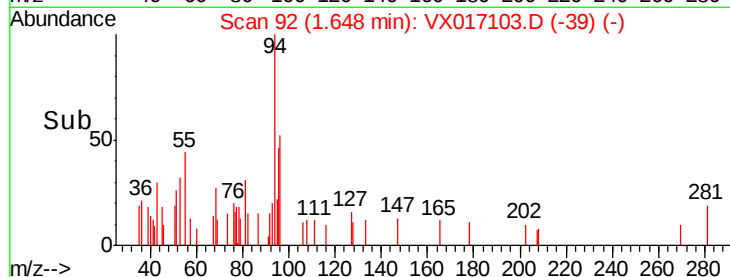
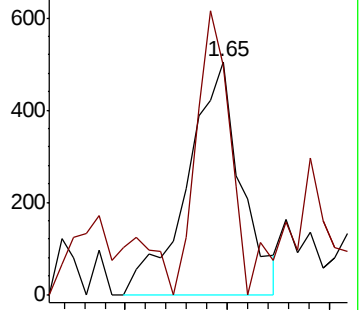
94 100

96 83.4 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#8

Diethyl Ether

Concen: 0.412 ug/l

RT: 2.19 min Scan# 181

Delta R.T. 0.02 min

Lab File: VX017103.D

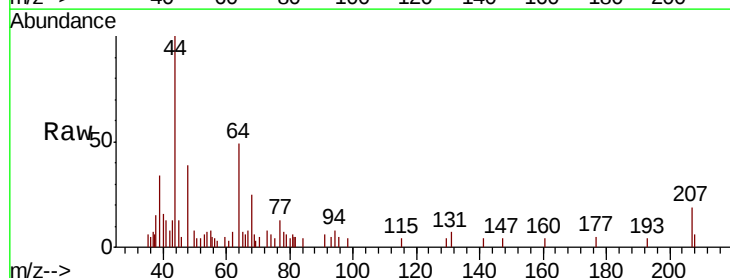
Acq: 01 Jul 2020 17:09

Tgt Ion: 74 Resp: 58

Ion Ratio Lower Upper

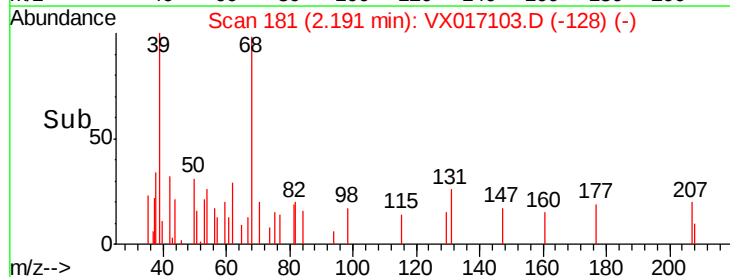
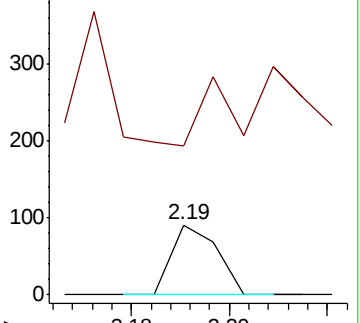
74 100

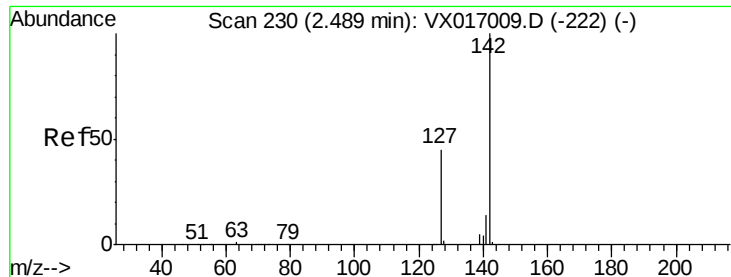
45 0.0 49.8 149.3#



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

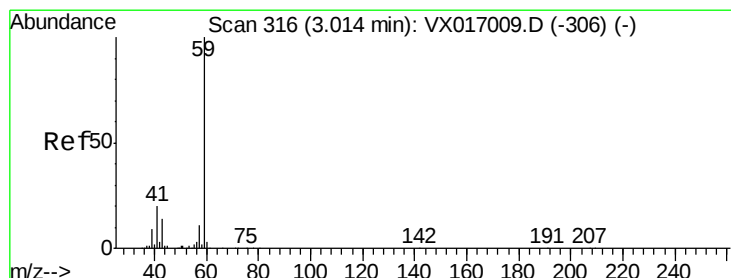
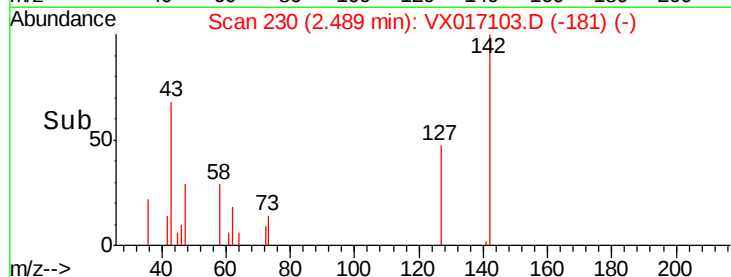
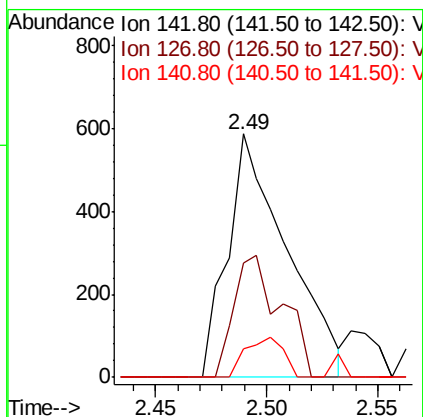
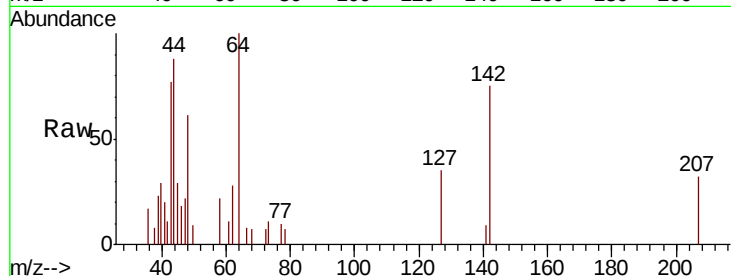




#10
Methvl Iodide
Concen: 0.380 ug/l
RT: 2.49 min Scan# 230
Delta R.T. -0.00 min
Lab File: VX017103.D
Acq: 01 Jul 2020 17:09

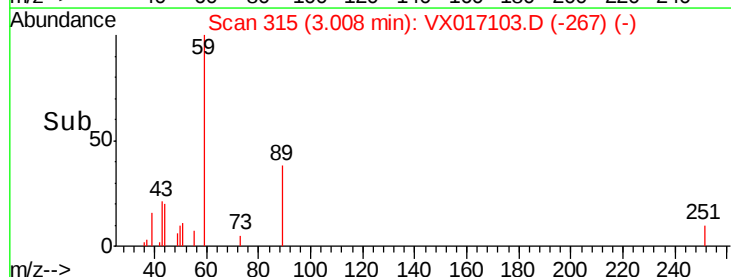
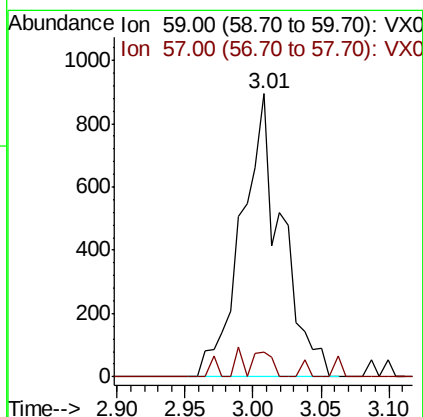
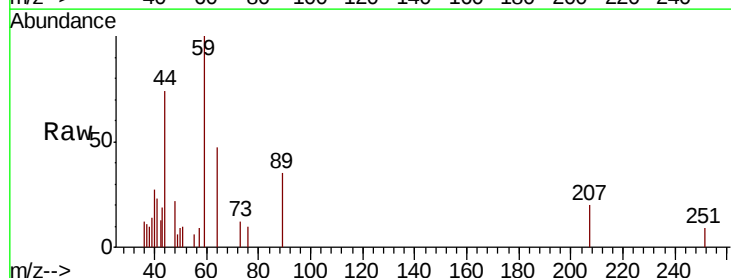
Instrument :
MSVOA_X
ClientSampleId :
E-LGC-3

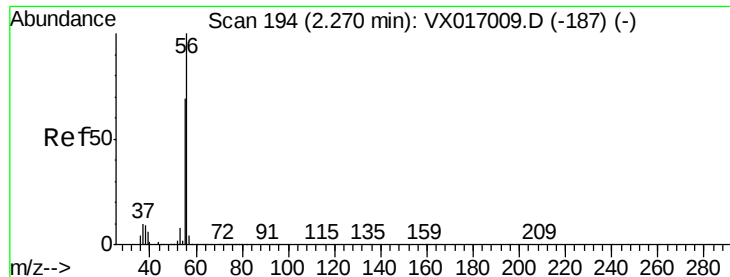
Tot Ion:142 Resp: 1090
Ion Ratio Lower Upper
142 100
127 39.7 36.6 54.8
141 10.5 11.6 17.4#



#11
Tert butyl alcohol
Concen: 3.382 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX017103.D
Acq: 01 Jul 2020 17:09

Tgt Ion: 59 Resp: 1836
Ion Ratio Lower Upper
59 100
57 4.3 8.2 12.2#





#13

Acrolein

Concen: 0.653 ug/l

RT: 2.29 min Scan# 197

Delta R.T. 0.02 min

Lab File: VX017103.D

Acq: 01 Jul 2020 17:09

Instrument :

MSVOA_X

ClientSampled :

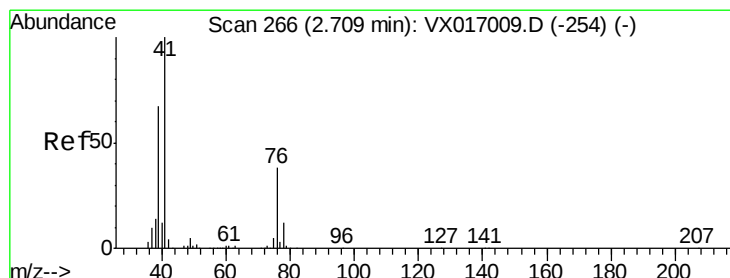
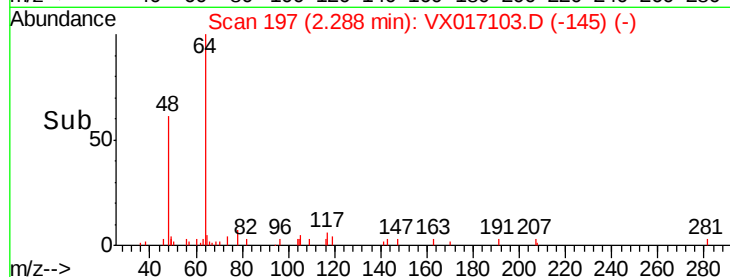
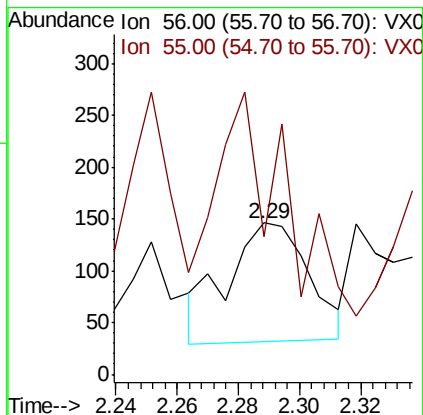
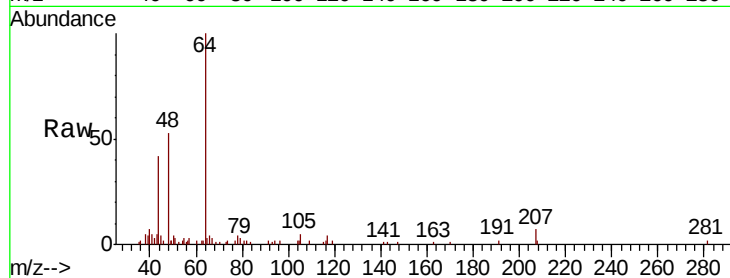
E-LGC-3

Tot Ion: 56 Resp: 212

Ion Ratio Lower Upper

56 100

55 159.0 55.7 83.5#



#14

Allyl chloride

Concen: 3.743 ug/l

RT: 2.68 min Scan# 262

Delta R.T. -0.02 min

Lab File: VX017103.D

Acq: 01 Jul 2020 17:09

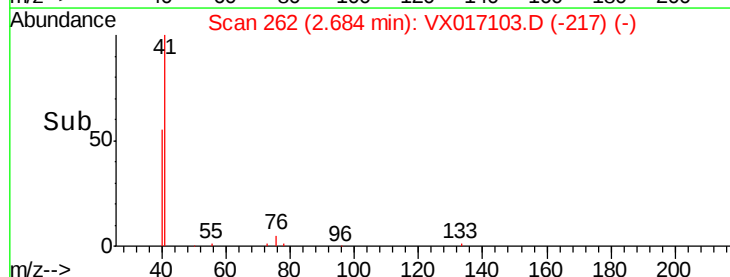
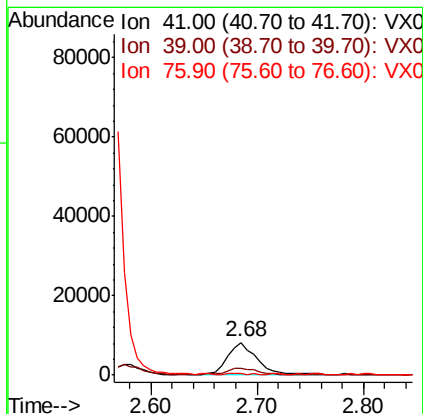
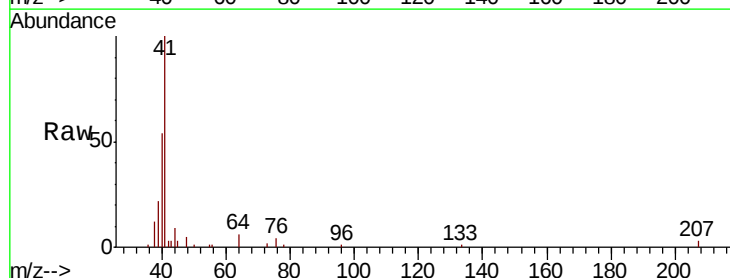
Tgt Ion: 41 Resp: 15796

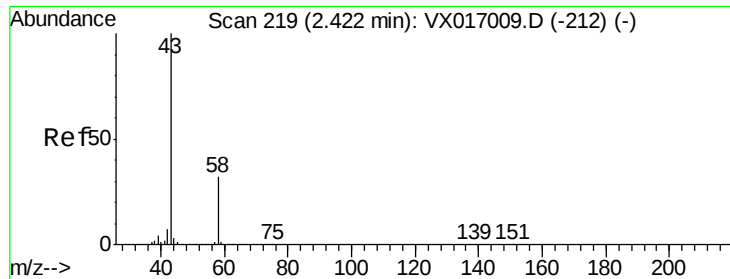
Ion Ratio Lower Upper

41 100

39 25.2 49.4 74.2#

76 0.0 26.8 40.2#





#16

Acetone

Concen: 141.922 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017103.D

Acq: 01 Jul 2020 17:09

Instrument :

MSVOA_X

ClientSampled :

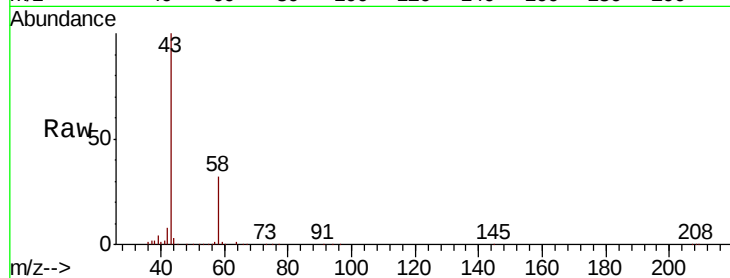
E-LGC-3

Tot Ion: 43 Resp: 151067

Ion Ratio Lower Upper

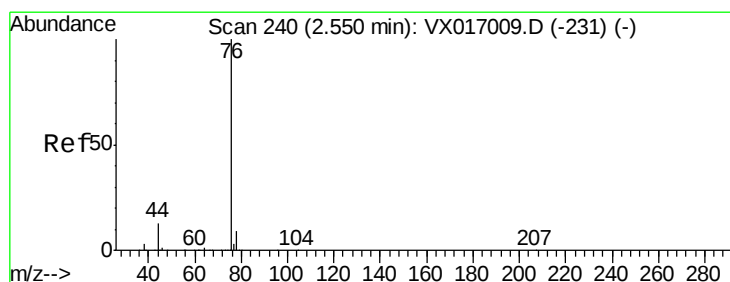
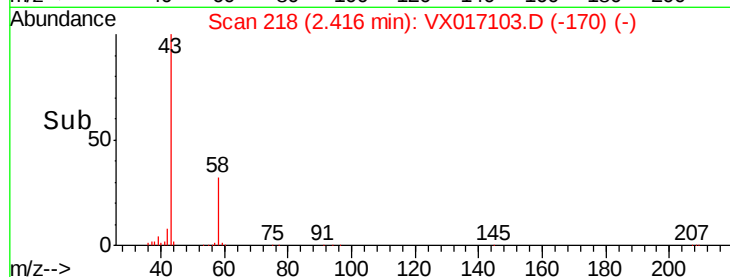
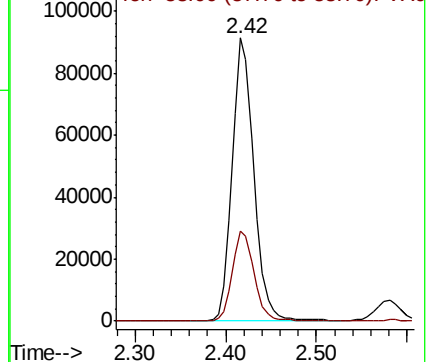
43 100

58 31.9 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 46.001 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX017103.D

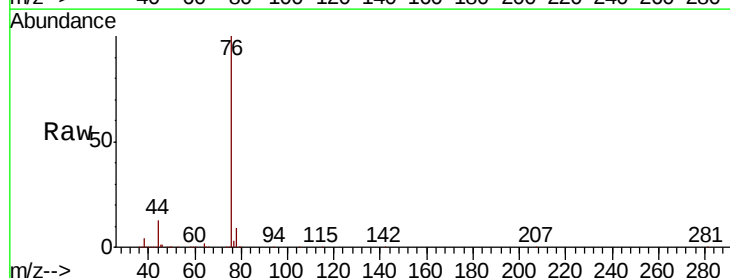
Acq: 01 Jul 2020 17:09

Tgt Ion: 76 Resp: 293116

Ion Ratio Lower Upper

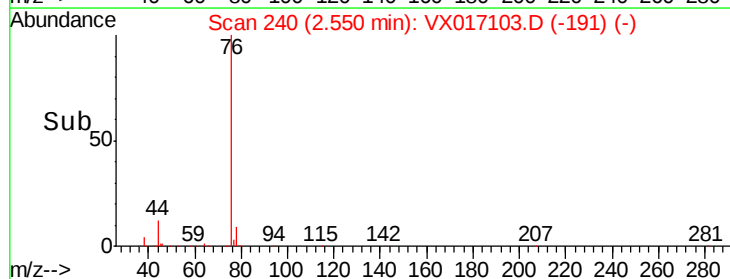
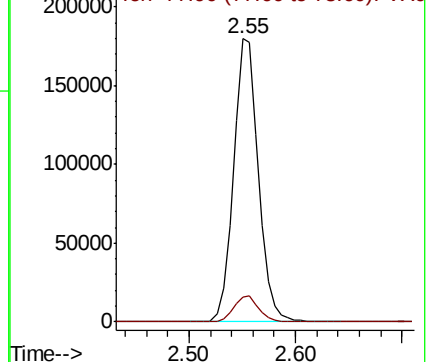
76 100

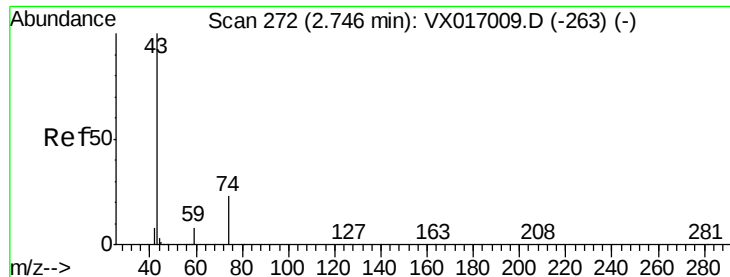
78 8.8 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

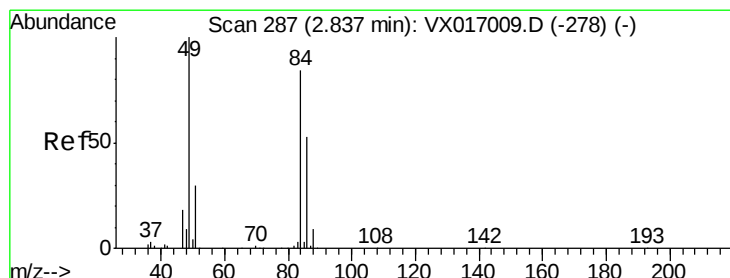
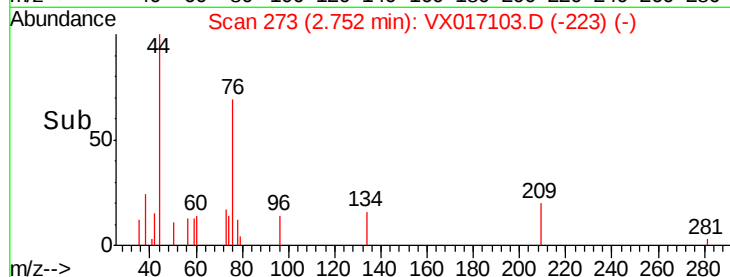
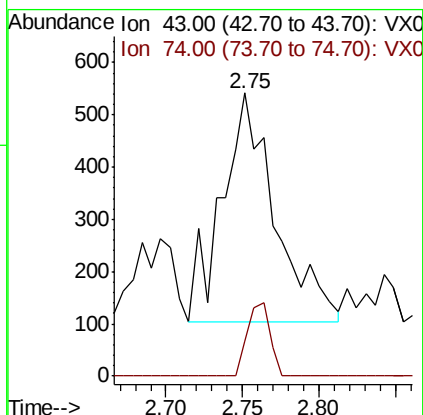
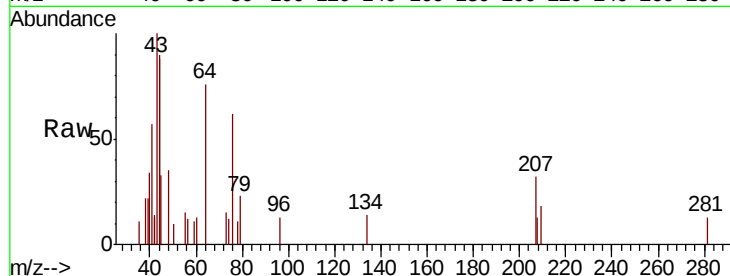




#18
Methyl Acetate
Concen: 0.383 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.01 min
Lab File: VX017103.D
Acq: 01 Jul 2020 17:09

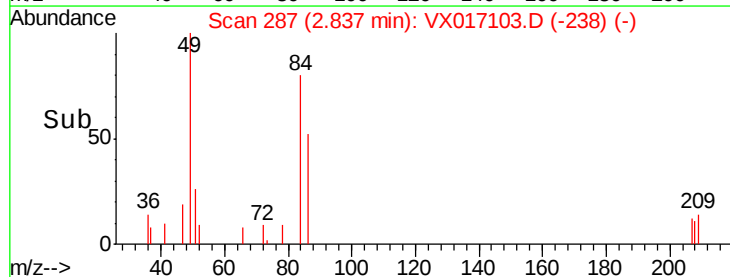
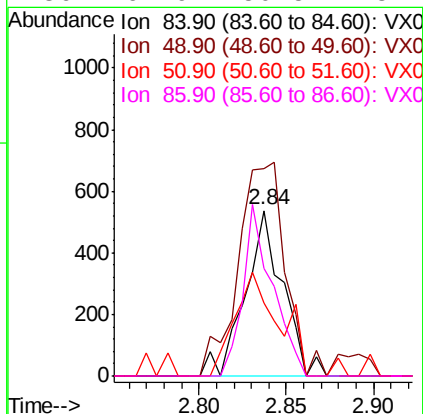
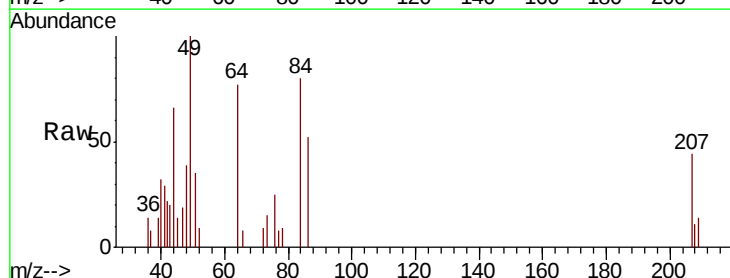
Instrument :
MSVOA_X
ClientSampled :
E-LGC-3

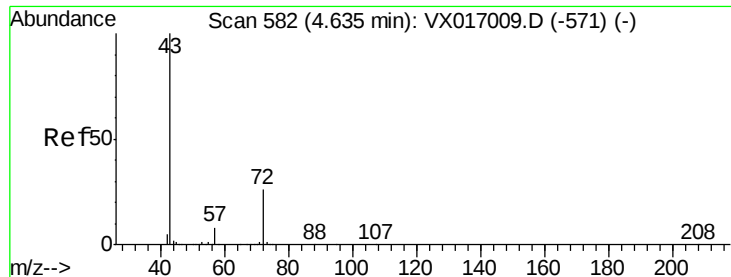
Tot Ion: 43 Resp: 1065
Ion Ratio Lower Upper
43 100
74 13.5 19.3 28.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017103.D
Acq: 01 Jul 2020 17:09

Tgt Ion: 84 Resp: 798
Ion Ratio Lower Upper
84 100
49 125.3 94.7 142.1
51 43.9 28.6 42.8#
86 64.9 50.5 75.7

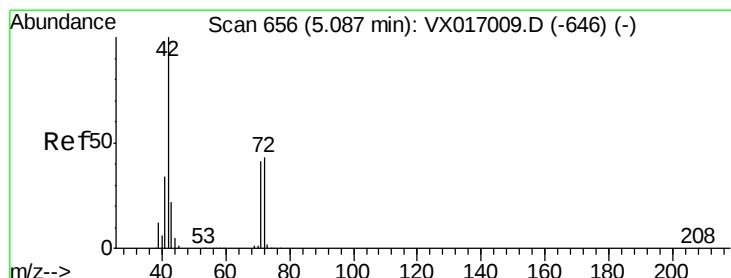
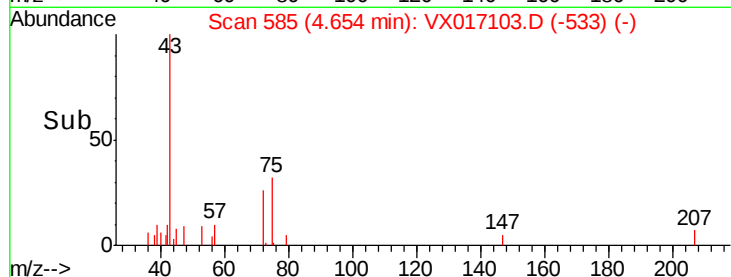
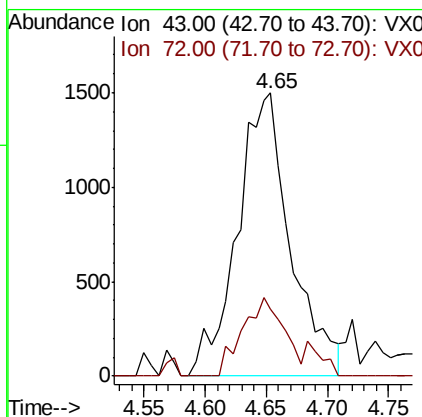
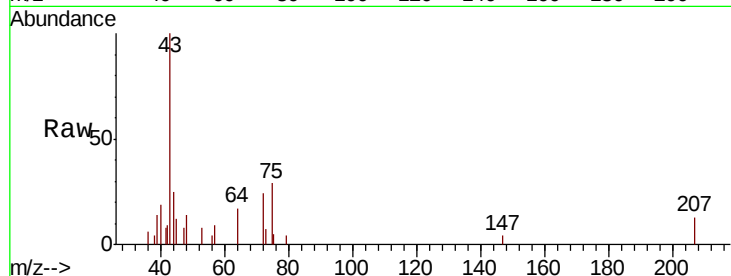




#25
2-Butanone
Concen: 2.569 ug/l
RT: 4.65 min Scan# 585
Delta R.T. 0.02 min
Lab File: VX017103.D
Acq: 01 Jul 2020 17:09

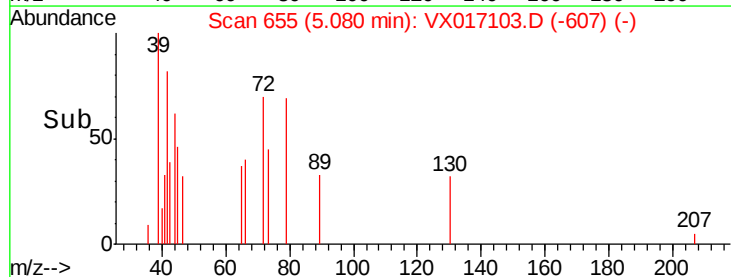
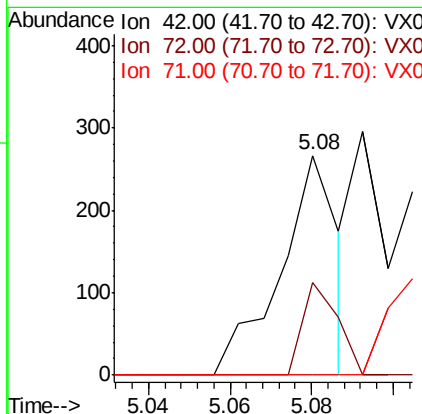
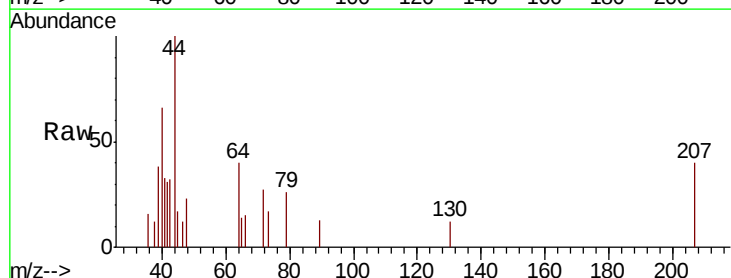
Instrument :
MSVOA_X
ClientSampleId :
E-LGC-3

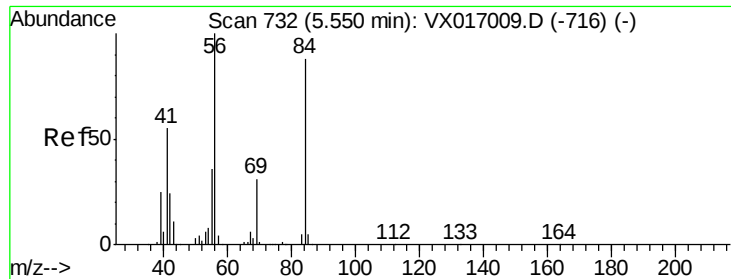
Tot Ion: 43 Resp: 4557
Ion Ratio Lower Upper
43 100
72 23.6 20.8 31.2



#29
Tetrahydrofuran
Concen: 0.224 ug/l
RT: 5.08 min Scan# 655
Delta R.T. -0.01 min
Lab File: VX017103.D
Acq: 01 Jul 2020 17:09

Tgt Ion: 42 Resp: 263
Ion Ratio Lower Upper
42 100
72 25.5 35.3 52.9#
71 0.0 33.1 49.7#

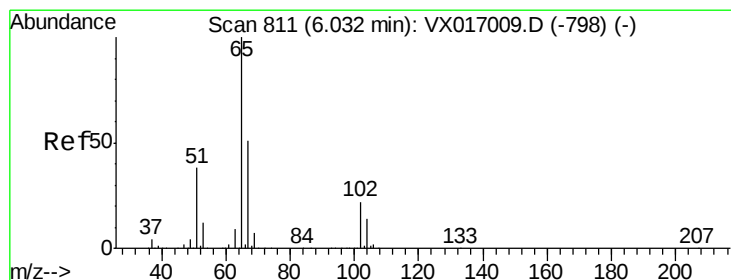
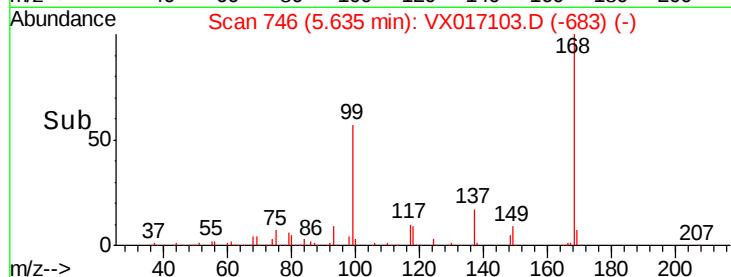
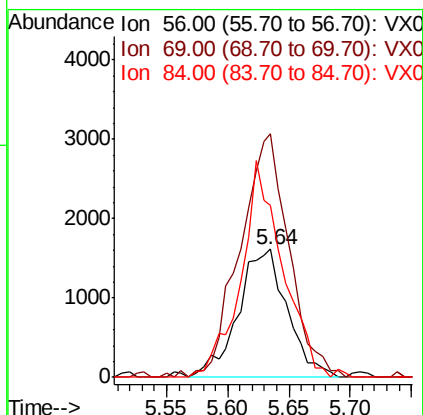
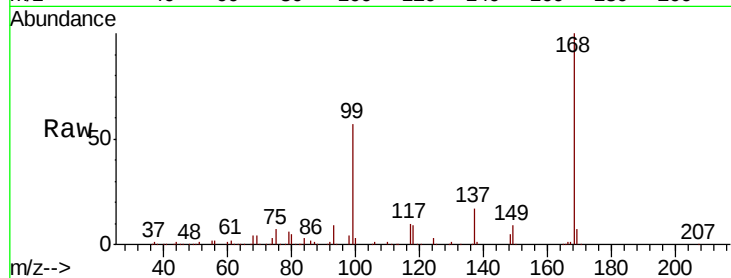




#31
Cyclohexane
Concen: 1.174 ug/l
RT: 5.64 min Scan# 746
Delta R.T. 0.09 min
Lab File: VX017103.D
Acq: 01 Jul 2020 17:09

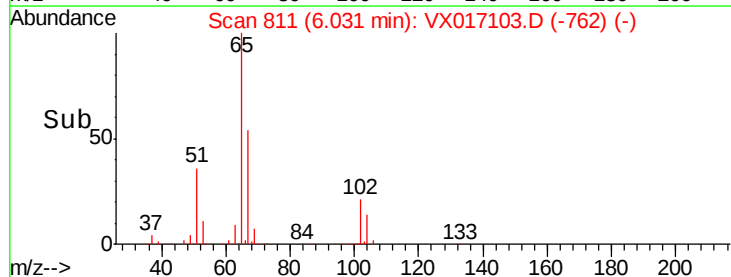
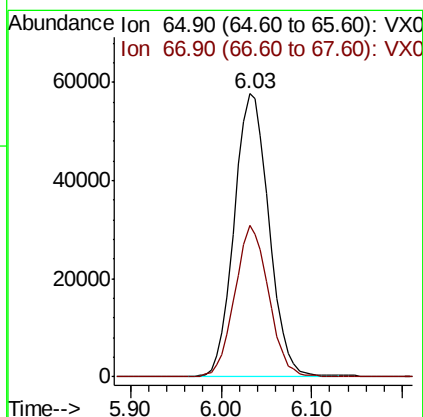
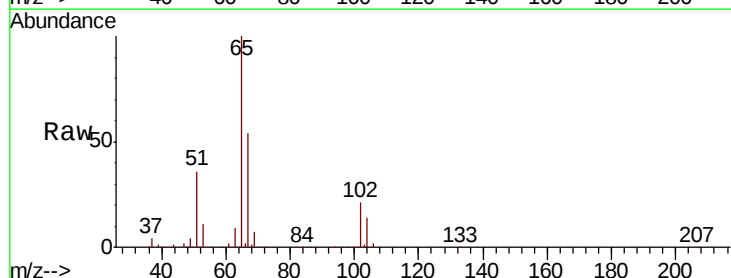
Instrument :
MSVOA_X
ClientSampled :
E-LGC-3

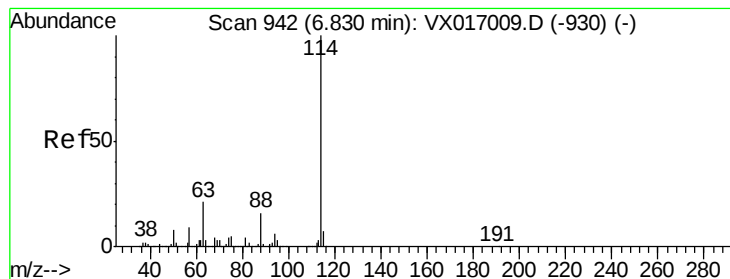
Tot Ion: 56 Resp: 4510
Ion Ratio Lower Upper
56 100
69 190.5 25.0 37.4#
84 134.1 69.1 103.7#



#33
1,2-Dichloroethane-d4
Concen: 54.036 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX017103.D
Acq: 01 Jul 2020 17:09

Tgt Ion: 65 Resp: 153753
Ion Ratio Lower Upper
65 100
67 52.2 0.0 103.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX017103.D

Acq: 01 Jul 2020 17:09

Instrument :

MSVOA_X

ClientSampleId :

E-LGC-3

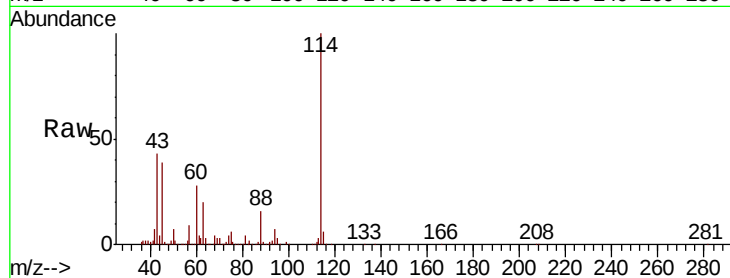
Tot Ion:114 Resp: 409430

Ion Ratio Lower Upper

114 100

63 19.9 0.0 41.4

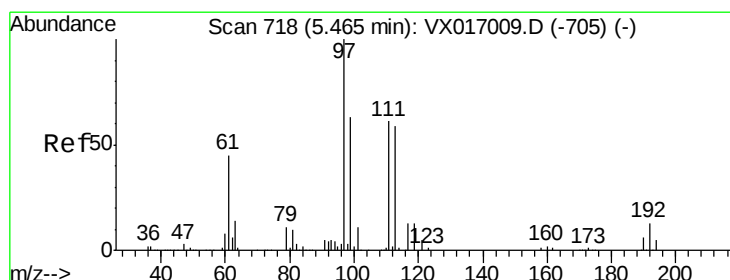
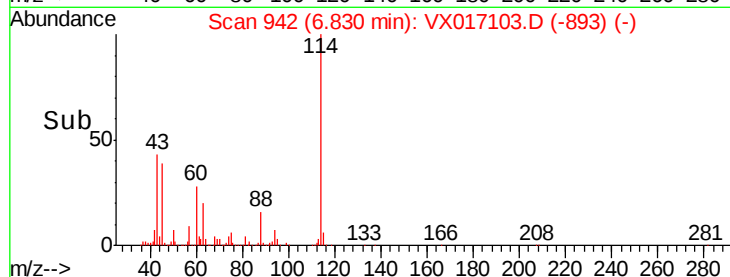
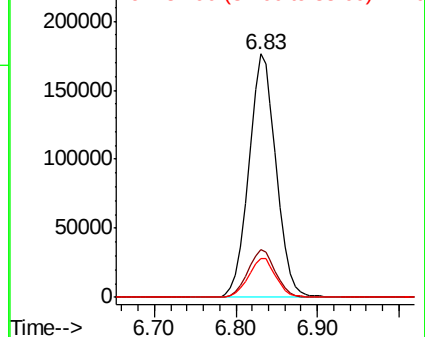
88 16.1 0.0 32.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 51.146 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX017103.D

Acq: 01 Jul 2020 17:09

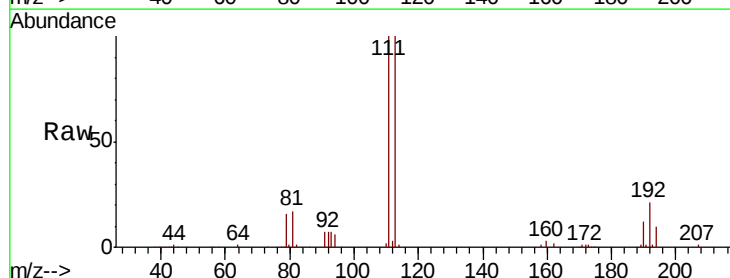
Tgt Ion:113 Resp: 132465

Ion Ratio Lower Upper

113 100

111 101.9 81.9 122.9

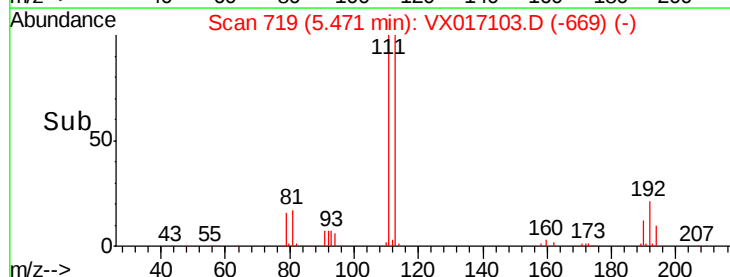
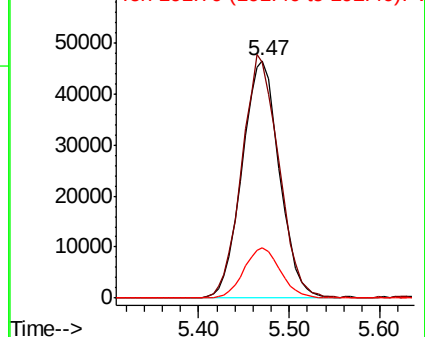
192 21.0 16.7 25.1

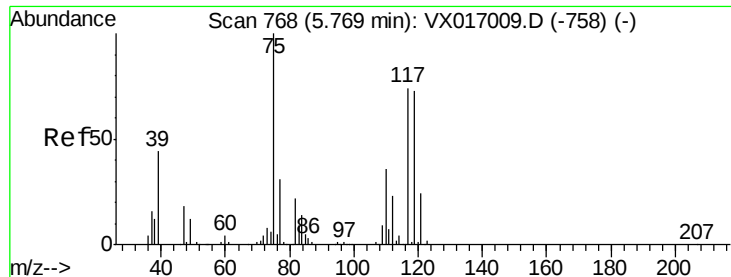


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

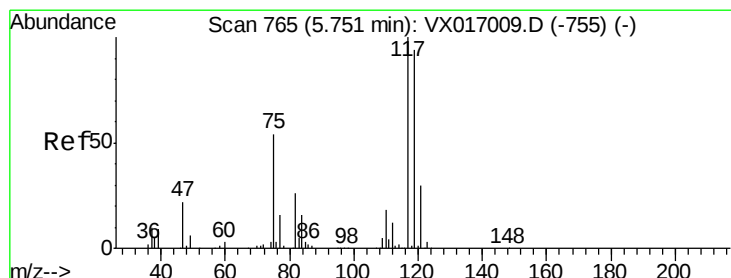
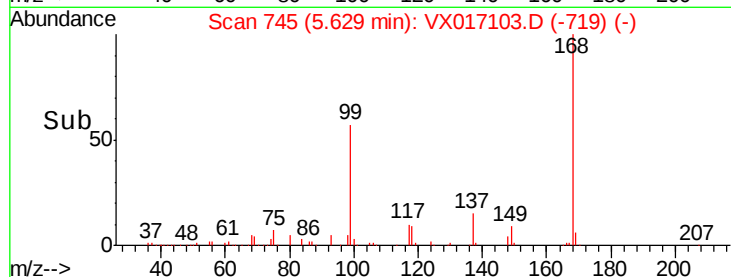
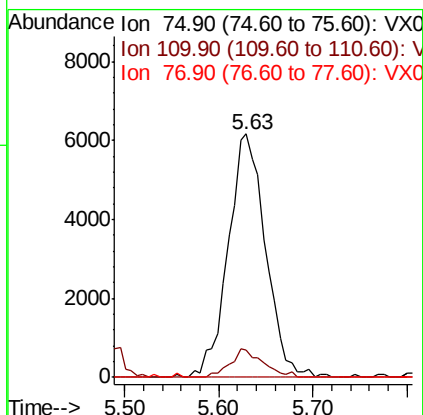
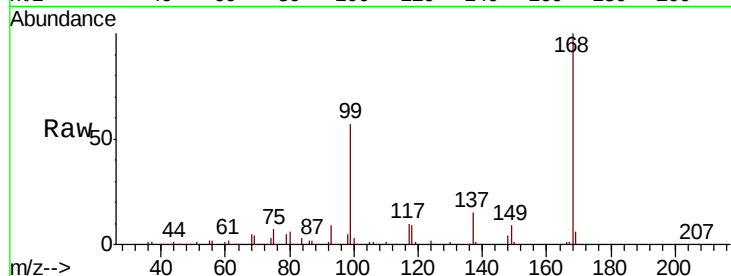




#36
 1,1-Dichloropropene
 Concen: 4.398 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX017103.D
 Acq: 01 Jul 2020 17:09

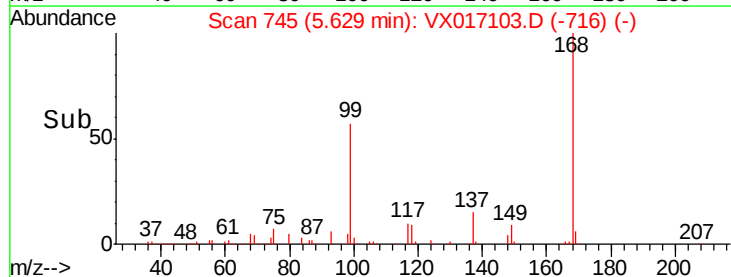
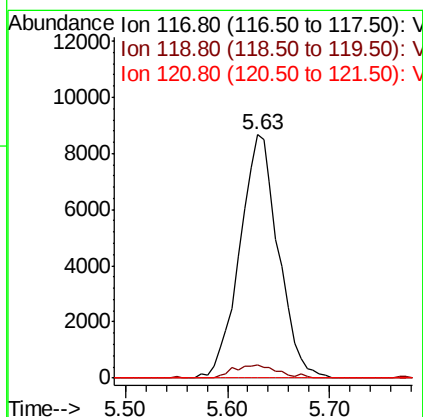
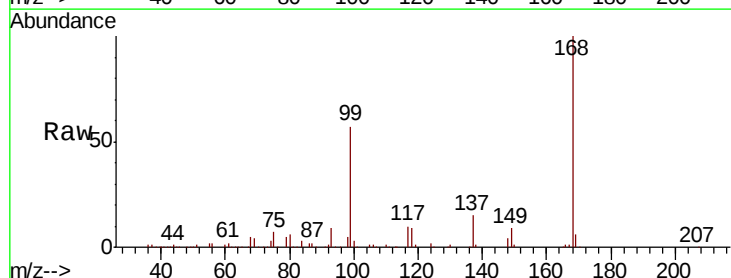
Instrument :
 MSVOA_X
 ClientSampled :
 E-LGC-3

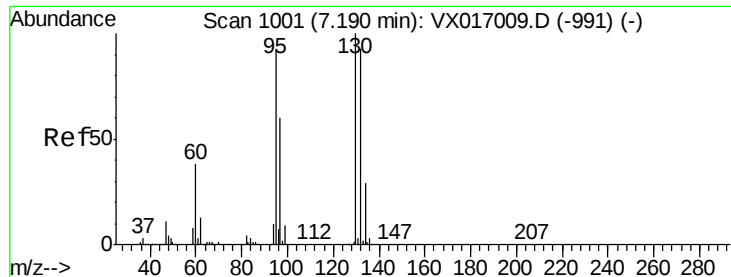
Tot Ion: 75 Resp: 17017
 Ion Ratio Lower Upper
 75 100
 110 10.2 18.1 54.1#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 5.341 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.12 min
 Lab File: VX017103.D
 Acq: 01 Jul 2020 17:09

Tgt Ion: 117 Resp: 22765
 Ion Ratio Lower Upper
 117 100
 119 5.4 75.4 113.0#
 121 0.0 23.8 35.6#





#44

Trichloroethene

Concen: Below Cal

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX017103.D

Acq: 01 Jul 2020 17:09

Instrument :

MSVOA_X

ClientSampleId :

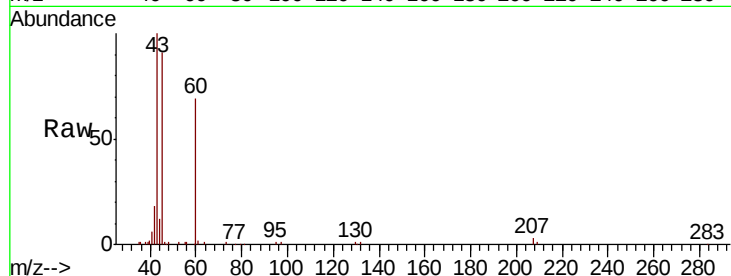
E-LGC-3

Tot Ion:130 Resp: 182

Ion Ratio Lower Upper

130 100

95 52.1 0.0 185.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.19

200

150

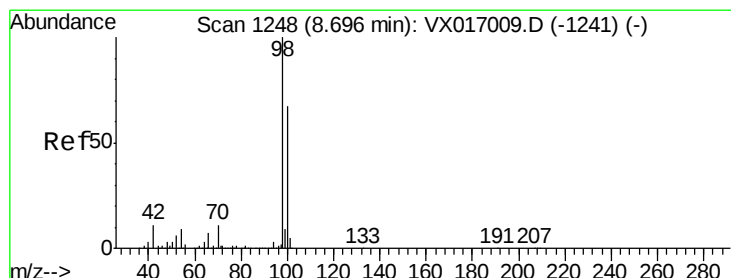
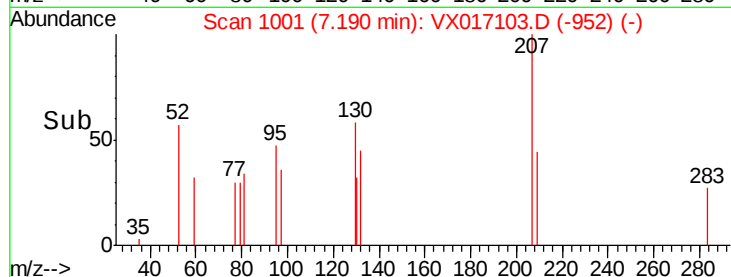
100

50

0

7.16 7.18 7.20 7.22

Time-->



#50

Toluene-d8

Concen: 50.651 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017103.D

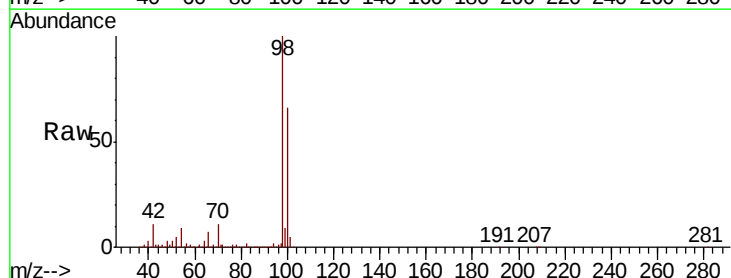
Acq: 01 Jul 2020 17:09

Tgt Ion: 98 Resp: 485086

Ion Ratio Lower Upper

98 100

100 66.9 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.70

300000

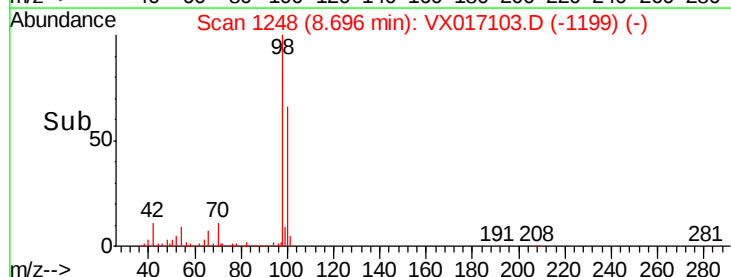
200000

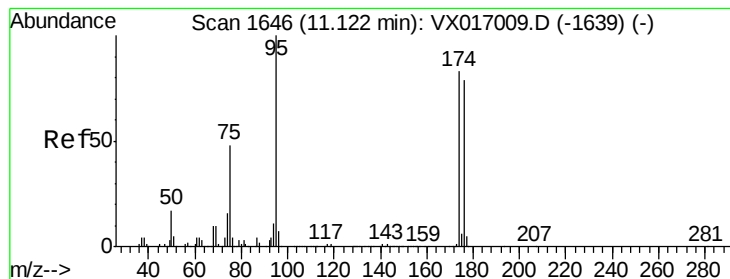
100000

0

8.60 8.70 8.80

Time-->





#62

4-Bromofluorobenzene

Concen: 54.825 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017103.D

Acq: 01 Jul 2020 17:09

Instrument :

MSVOA_X

ClientSampleId :

E-LGC-3

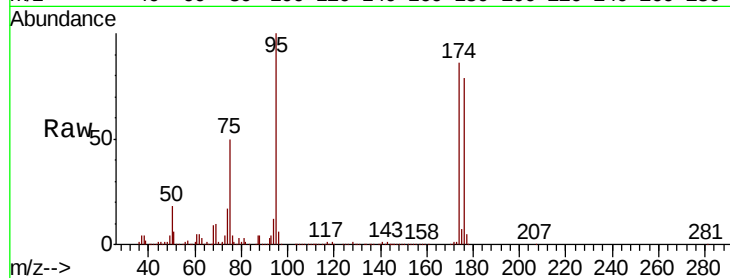
Tot Ion: 95 Resp: 205252

Ion Ratio Lower Upper

95 100

174 83.8 0.0 164.0

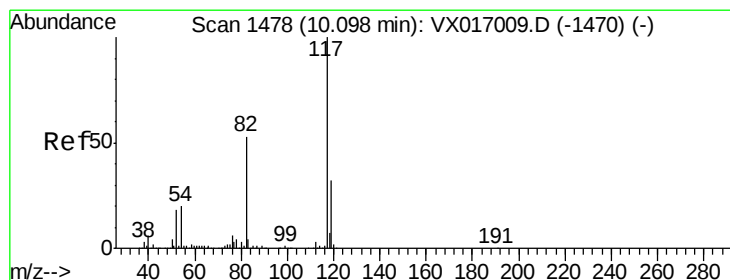
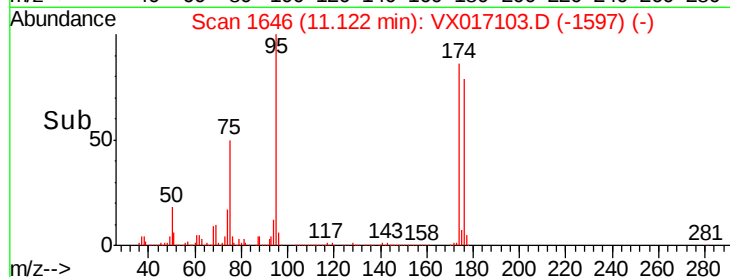
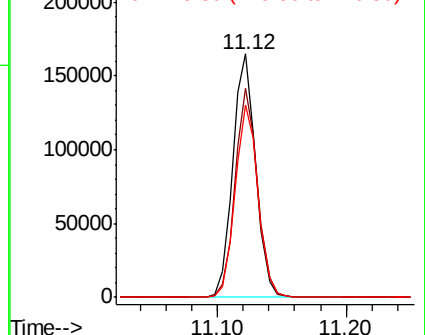
176 78.9 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX017103.D

Acq: 01 Jul 2020 17:09

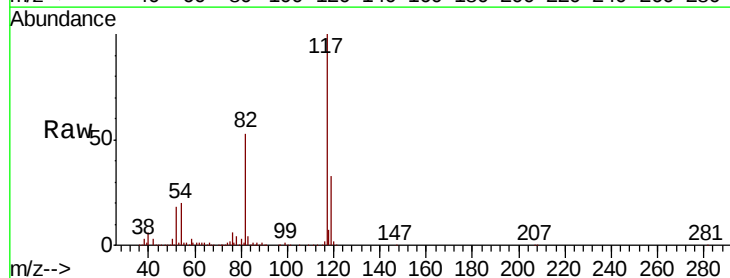
Tgt Ion: 117 Resp: 404824

Ion Ratio Lower Upper

117 100

82 53.3 42.6 63.8

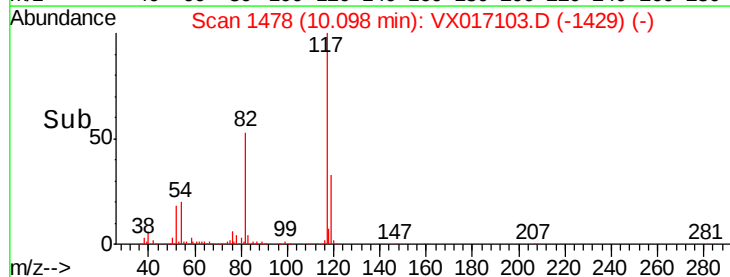
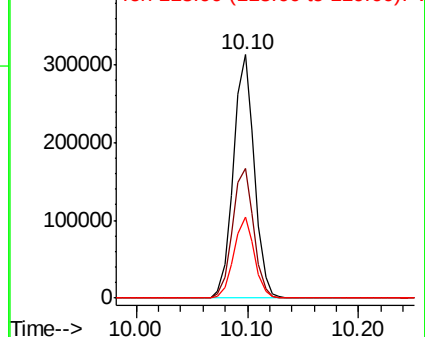
119 33.0 25.4 38.2

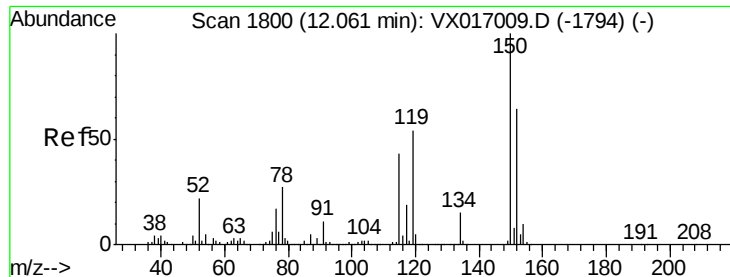


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX017103.D

Acq: 01 Jul 2020 17:09

Instrument :

MSVOA_X

ClientSampleId :

E-LGC-3

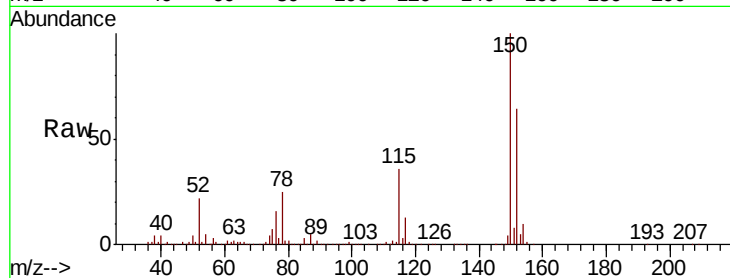
Tot Ion:152 Resp: 218397

Ion Ratio Lower Upper

152 100

115 57.2 40.9 122.7

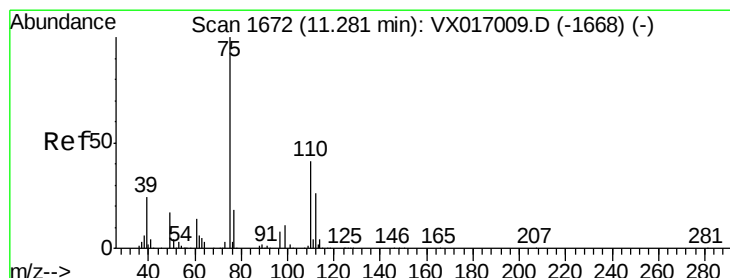
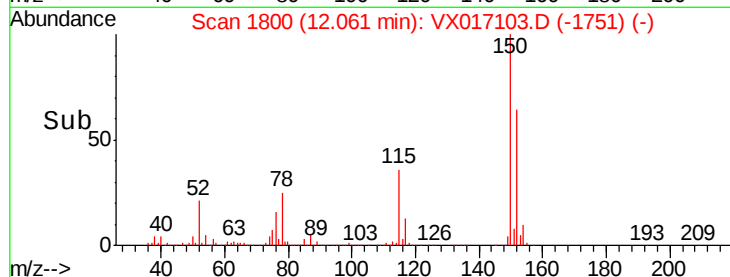
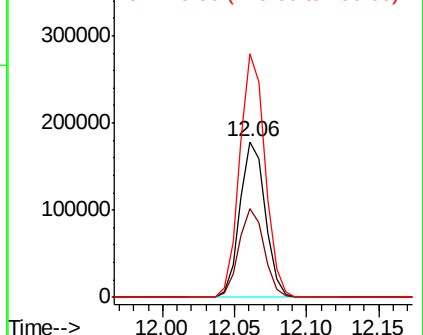
150 156.7 0.0 351.6



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: 24.045 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017103.D

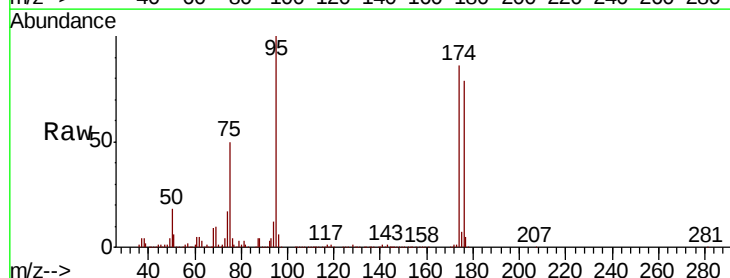
Acq: 01 Jul 2020 17:09

Tgt Ion: 75 Resp: 103264

Ion Ratio Lower Upper

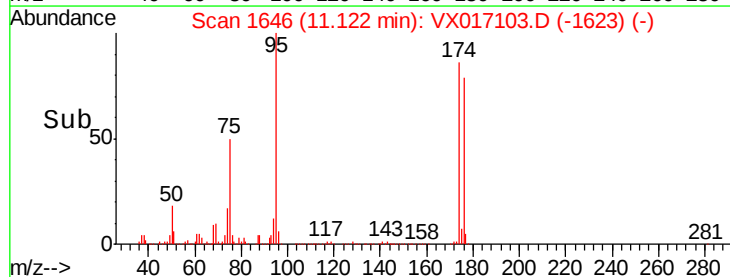
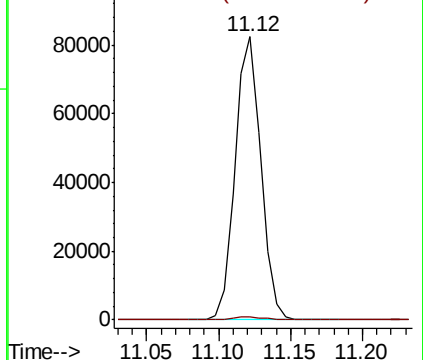
75 100

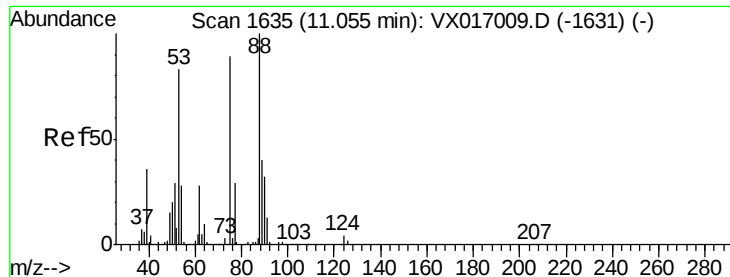
77 1.4 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 62.267 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017103.D

Acq: 01 Jul 2020 17:09

Instrument :

MSVOA_X

ClientSampled :

E-LGC-3

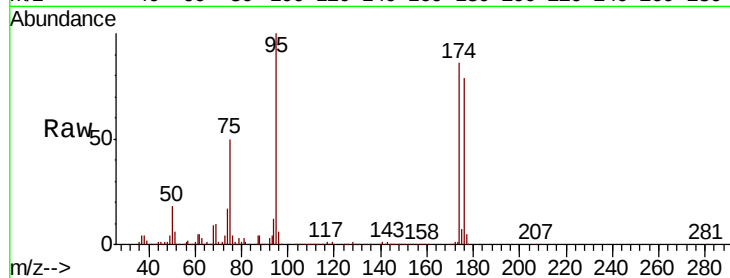
Tot Ion: 75 Resp: 103264

Ion Ratio Lower Upper

75 100

53 0.2 72.4 108.6#

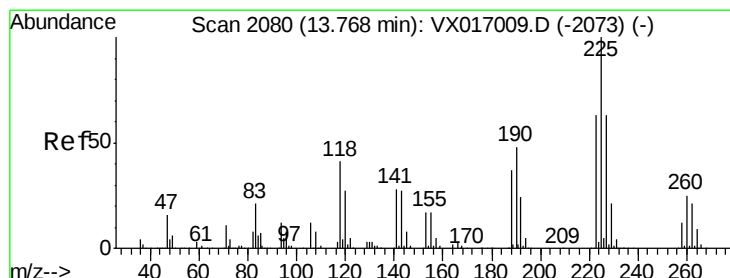
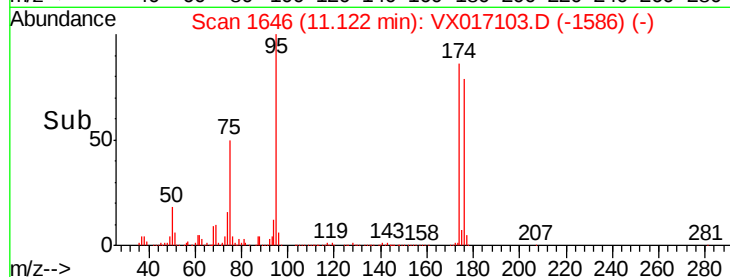
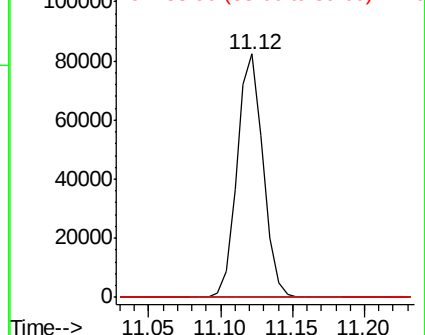
89 0.1 37.0 55.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#94

Hexachlorobutadiene

Concen: 0.867 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX017103.D

Acq: 01 Jul 2020 17:09

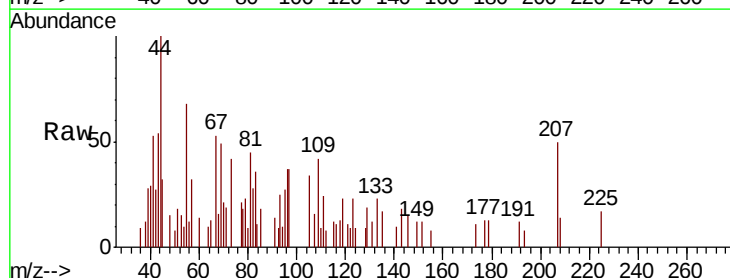
Tgt Ion: 225 Resp: 40

Ion Ratio Lower Upper

225 100

223 0.0 32.5 97.5#

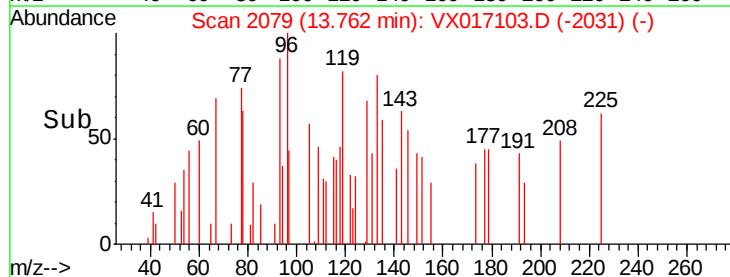
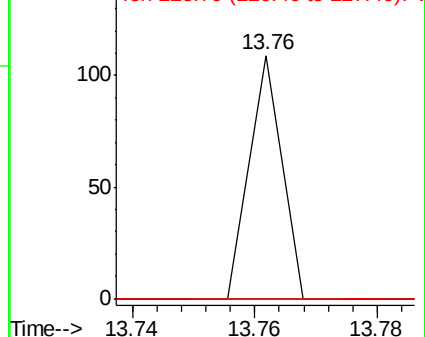
227 0.0 33.1 99.2#

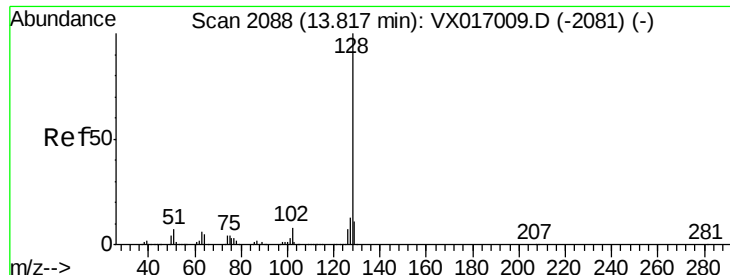


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95
Naphthalene
Concen: 0.353 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX017103.D
Acq: 01 Jul 2020 17:09

Instrument :
MSVOA_X
ClientSampleId :
E-LGC-3

Tot Ion	Ratio	Lower	Upper
128	100		
127	16.7	10.2	15.4
129	21.0	8.7	13.1

