

Data File : VX016703.D
Acq On : 11 Jun 2020 14:49
Operator : JC/SP
Sample : L2977-04 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
I-LGC-2DL

Quant Time: Jun 12 06:55:52 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
Quant Title : SW846 8260
QLast Update : Wed May 27 16:31:05 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	201468	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	321169	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	328388	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	178667	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	123052	49.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.36%	
35) Dibromofluoromethane	5.46	113	103003	52.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.18%	
50) Toluene-d8	8.70	98	392266	50.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.92%	
62) 4-Bromofluorobenzene	11.12	95	166008	55.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.64%	

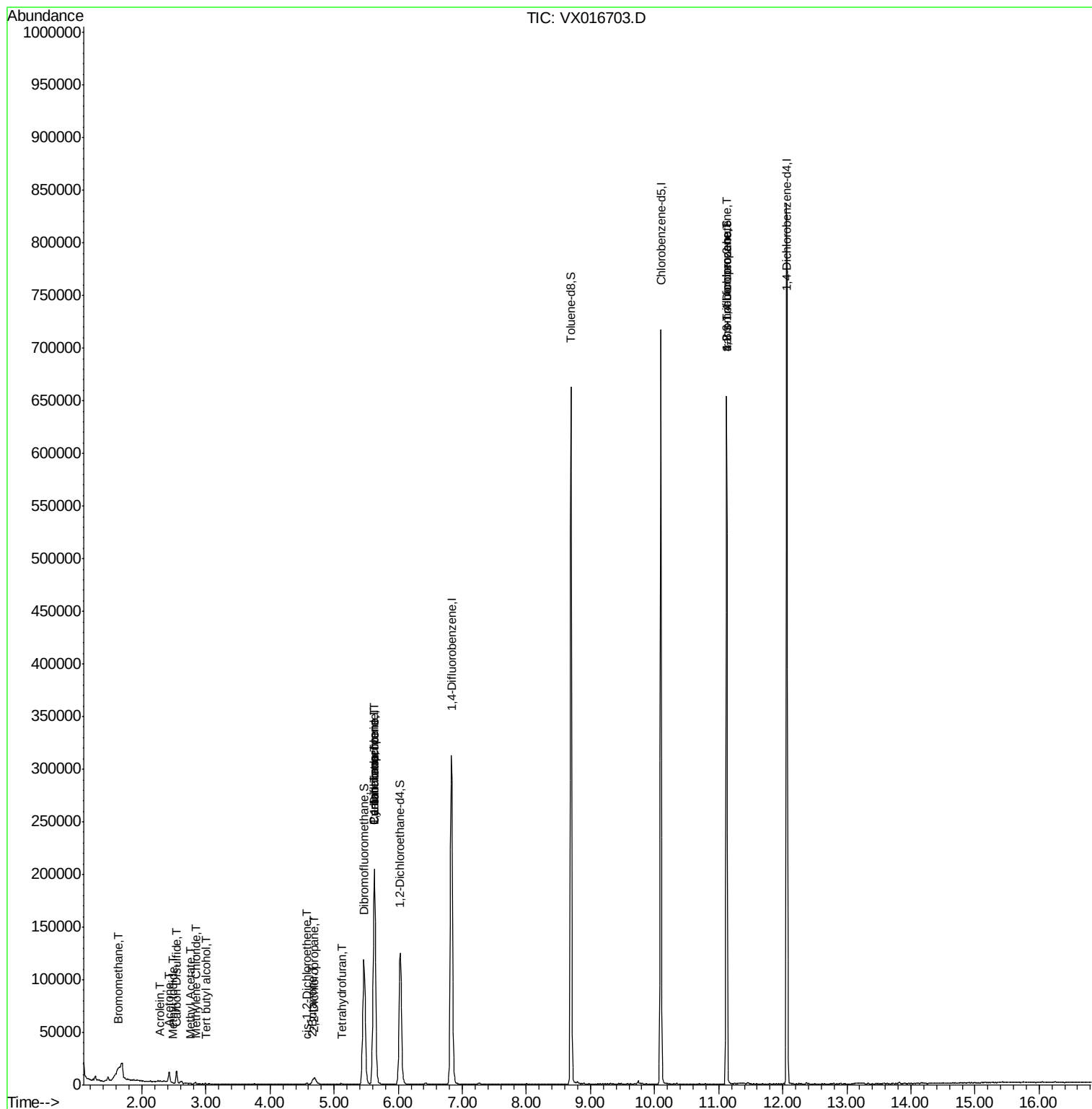
Target Compounds						Qvalue
5) Bromomethane	1.62	94	731	0.593	ug/l	95
10) Methyl Iodide	2.50	142	283	3.177	ug/l #	91
11) Tert butyl alcohol	3.00	59	149	0.232	ug/l #	72
13) Acrolein	2.28	56	179	0.656	ug/l	92
16) Acetone	2.42	43	9789	8.930	ug/l	99
17) Carbon Disulfide	2.54	76	15185	2.638	ug/l	98
18) Methyl Acetate	2.75	43	680	0.242	ug/l	95
20) Methylene Chloride	2.83	84	527	0.232	ug/l	88
25) 2-Butanone	4.65	43	452	0.243	ug/l	94
26) 2,2-Dichloropropane	4.68	77	755	0.239	ug/l #	53
27) cis-1,2-Dichloroethene	4.57	96	671	0.270	ug/l	58
29) Tetrahydrofuran	5.12	42	457	0.381	ug/l #	66
31) Cyclohexane	5.62	56	3249	0.934	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	13633	4.483	ug/l #	51
38) Carbon Tetrachloride	5.63	117	18748	5.867	ug/l #	17
76) 1,2,3-Trichloropropane	11.12	75	79551	20.256	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	79551	49.828	ug/l #	14

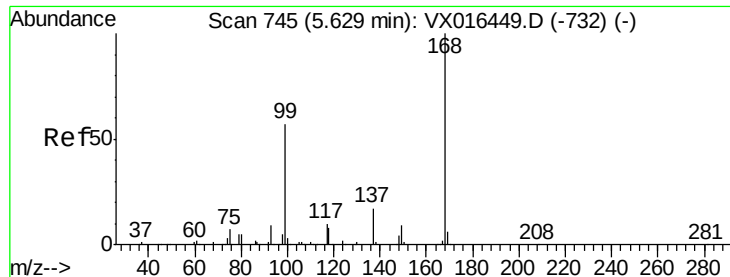
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX016703.D

Acq: 11 Jun 2020 14:49

Instrument :

MSVOA_X

ClientSampleId :

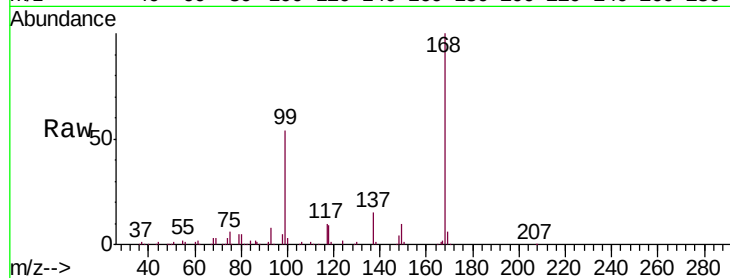
I-LGC-2DL

Tgt Ion:168 Resp: 201468

Ion Ratio Lower Upper

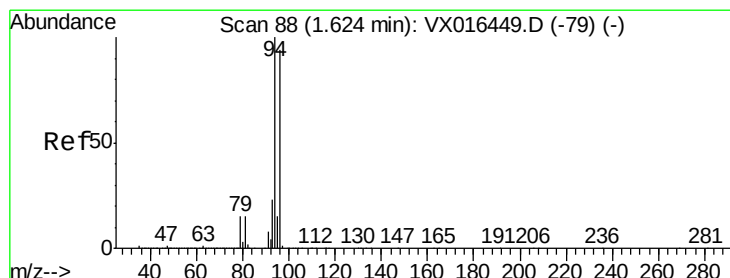
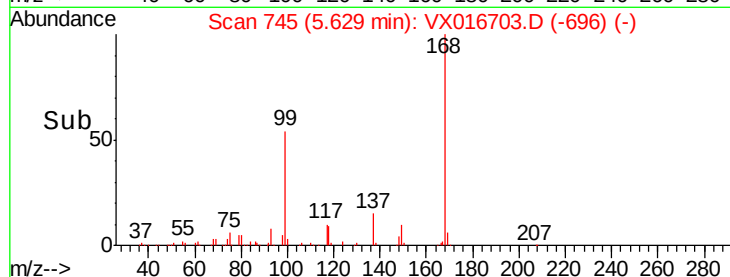
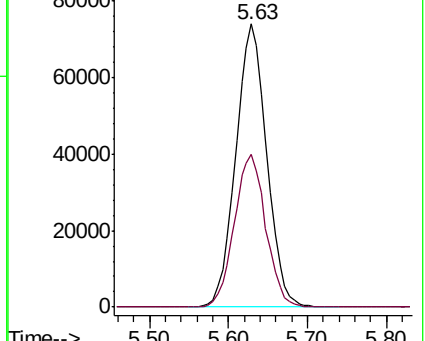
168 100

99 53.9 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.593 ug/l

RT: 1.62 min Scan# 88

Delta R.T. -0.00 min

Lab File: VX016703.D

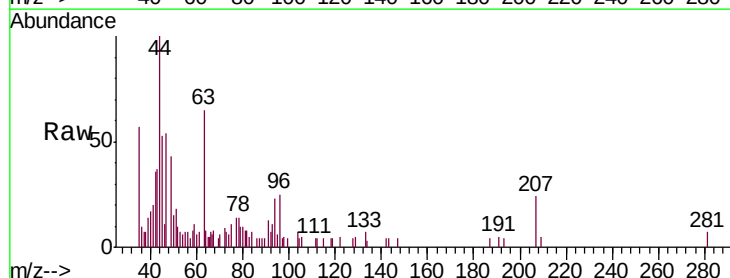
Acq: 11 Jun 2020 14:49

Tgt Ion: 94 Resp: 731

Ion Ratio Lower Upper

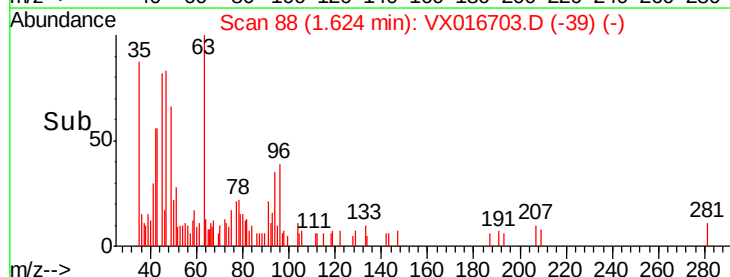
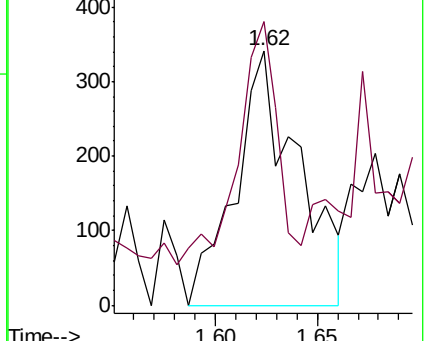
94 100

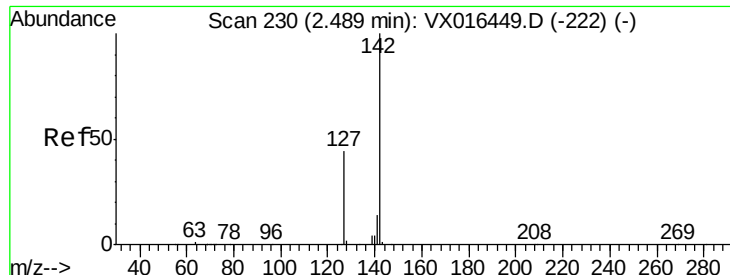
96 89.1 75.1 112.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

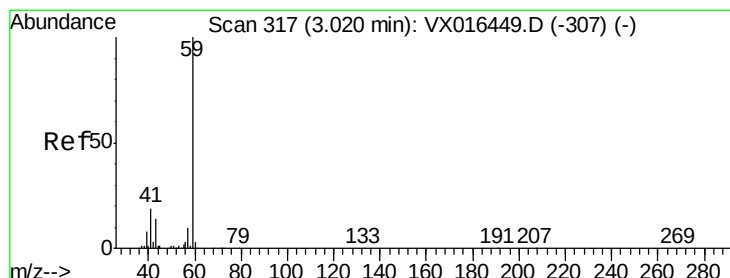
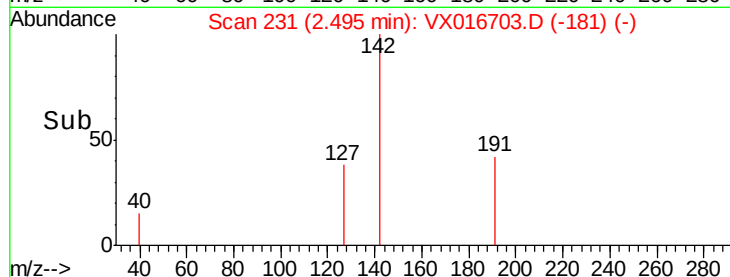
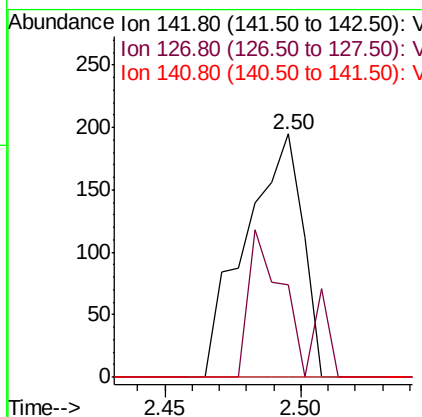
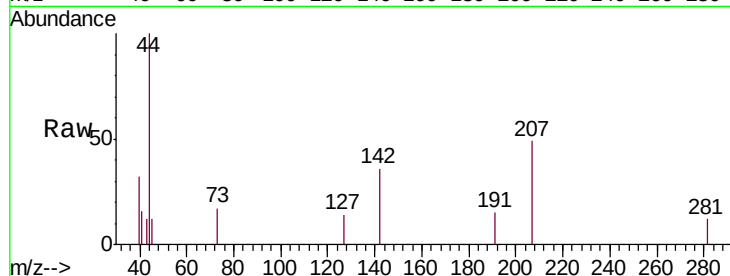




#10
Methyl Iodide
Concen: 3.177 ug/l
RT: 2.50 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX016703.D
Acq: 11 Jun 2020 14:49

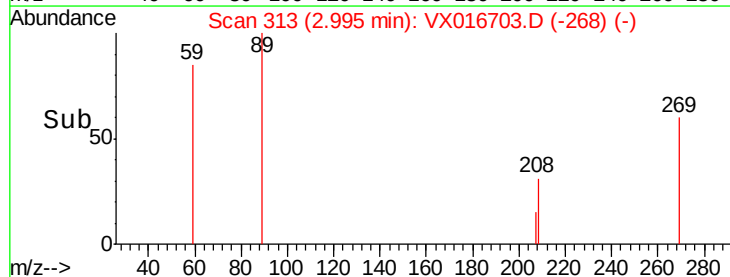
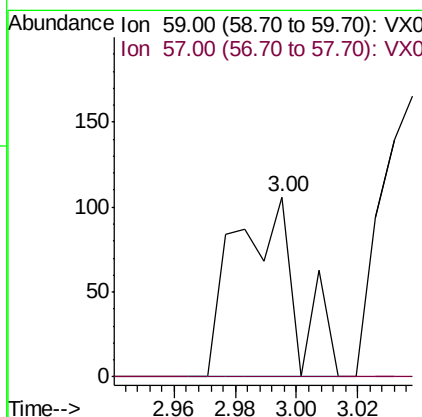
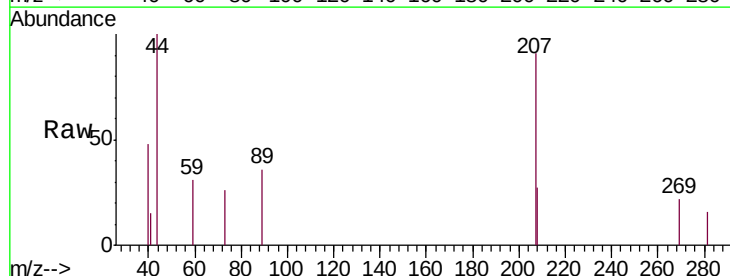
Instrument :
MSVOA_X
ClientSampleId :
I-LGC-2DL

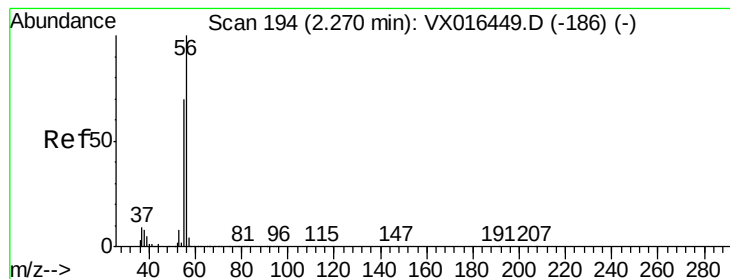
Tgt Ion	Ratio	Lower	Upper
142	100		
127	43.8	35.3	52.9
141	0.0	11.4	17.2#



#11
Tert butyl alcohol
Concen: 0.232 ug/l
RT: 3.00 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX016703.D
Acq: 11 Jun 2020 14:49

Tgt Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.2	12.4#





#13

Acrolein

Concen: 0.656 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX016703.D

Acq: 11 Jun 2020 14:49

Instrument :

MSVOA_X

ClientSampleId :

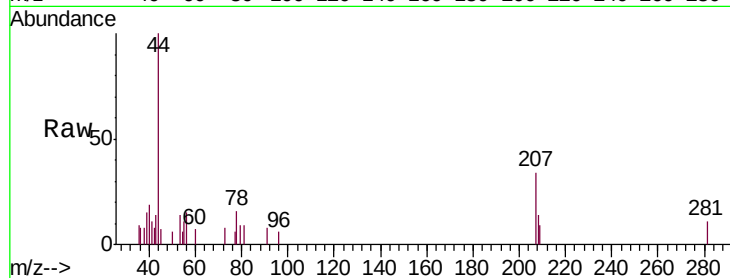
I-LGC-2DL

Tgt Ion: 56 Resp: 179

Ion Ratio Lower Upper

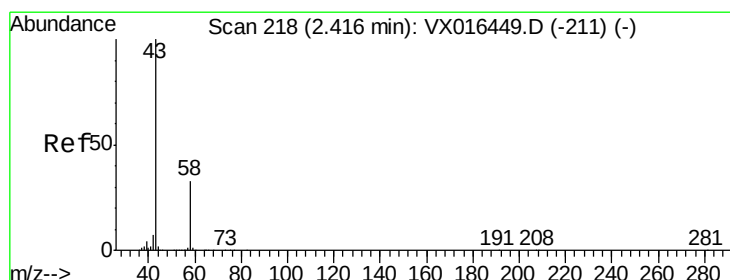
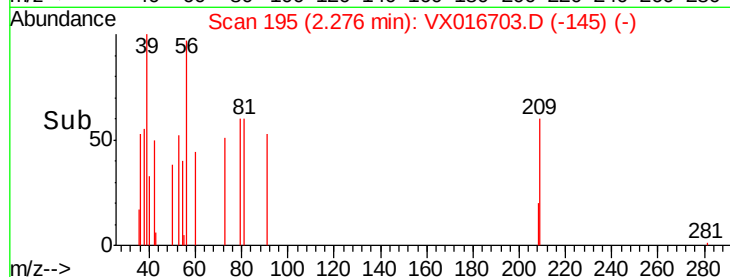
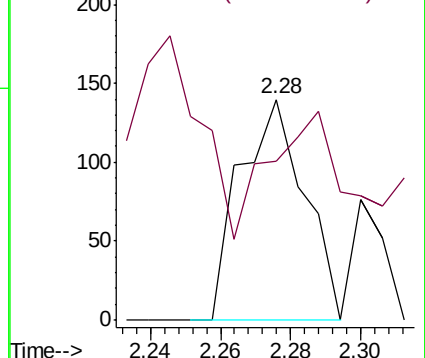
56 100

55 65.9 58.3 87.5



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 8.930 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX016703.D

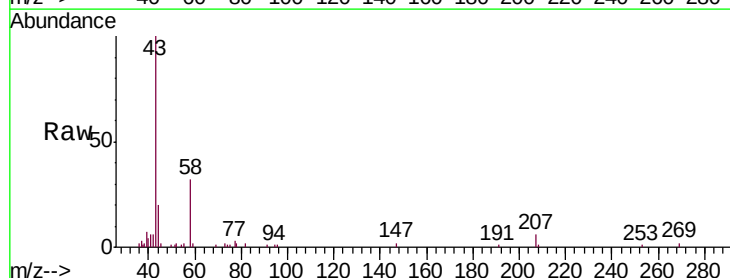
Acq: 11 Jun 2020 14:49

Tgt Ion: 43 Resp: 9789

Ion Ratio Lower Upper

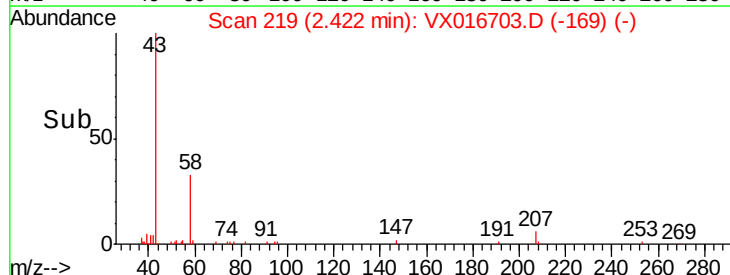
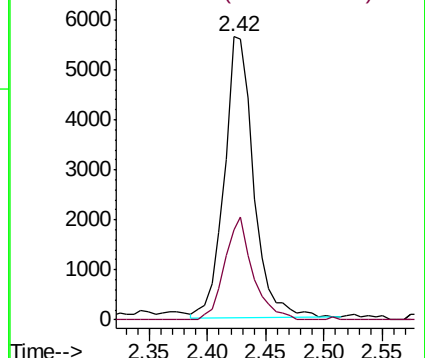
43 100

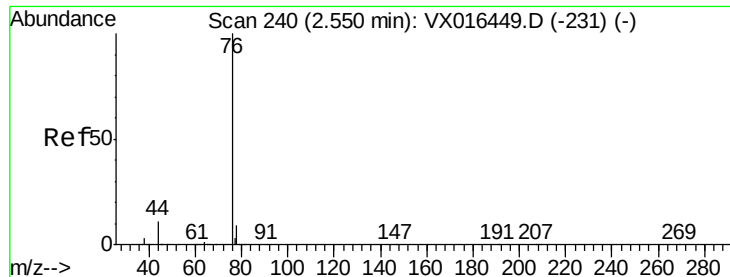
58 32.0 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 2.638 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.01 min

Lab File: VX016703.D

Acq: 11 Jun 2020 14:49

Instrument :

MSVOA_X

ClientSampleId :

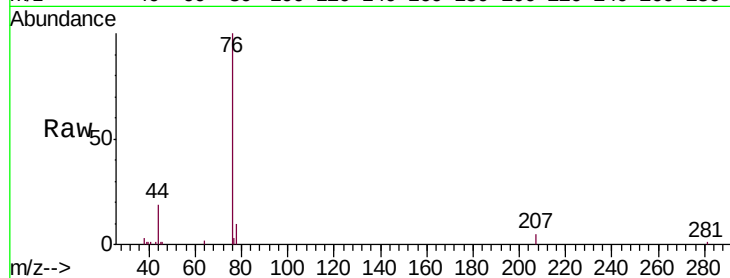
I-LGC-2DL

Tgt Ion: 76 Resp: 15185

Ion Ratio Lower Upper

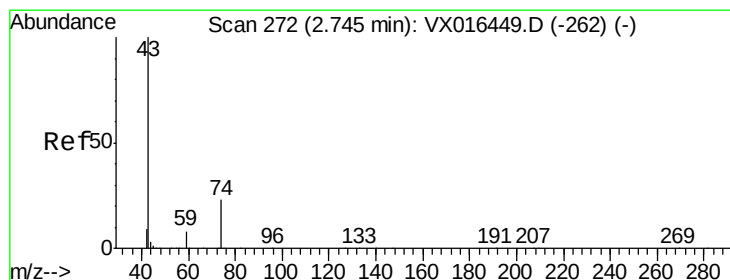
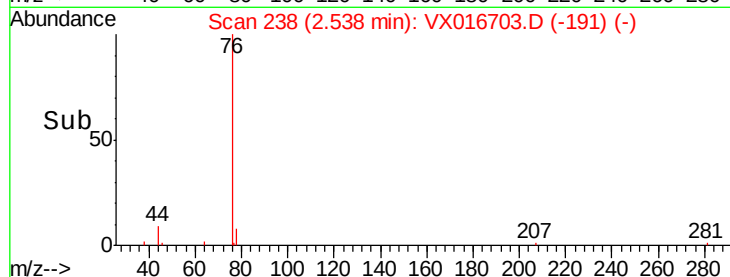
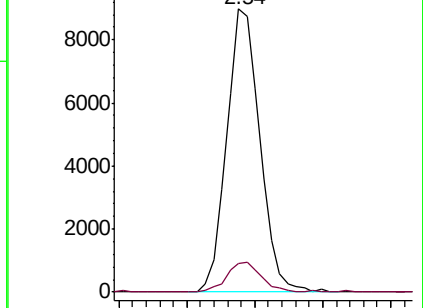
76 100

78 10.0 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.242 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.01 min

Lab File: VX016703.D

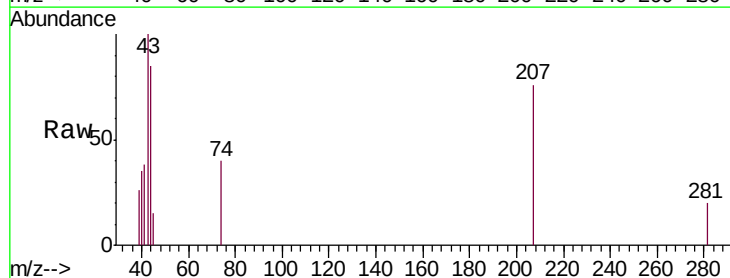
Acq: 11 Jun 2020 14:49

Tgt Ion: 43 Resp: 680

Ion Ratio Lower Upper

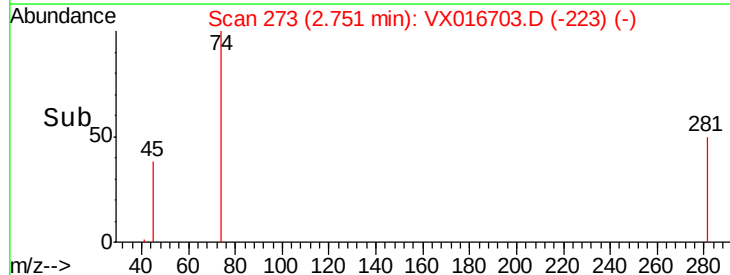
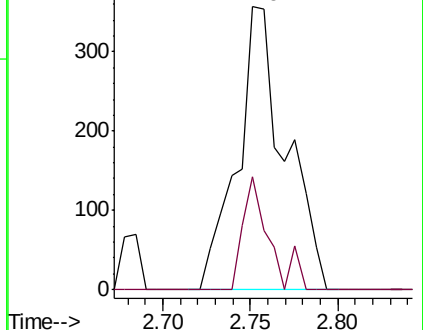
43 100

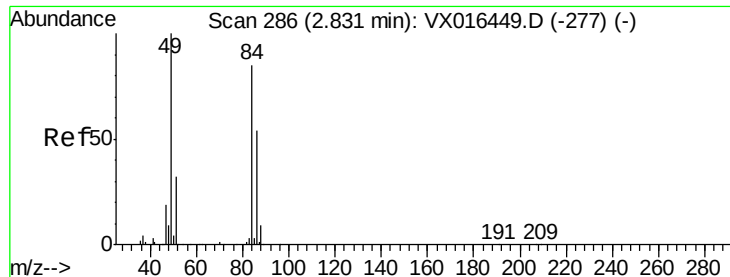
74 21.9 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

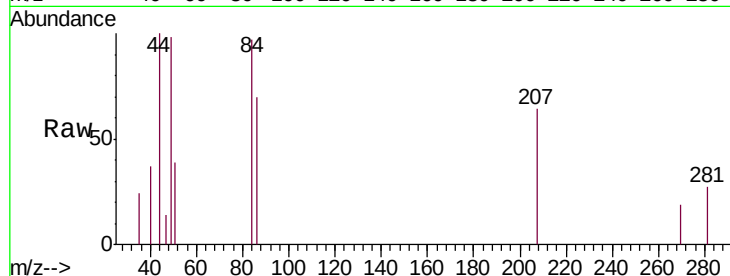




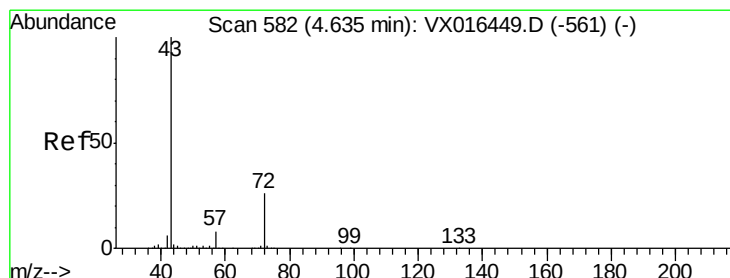
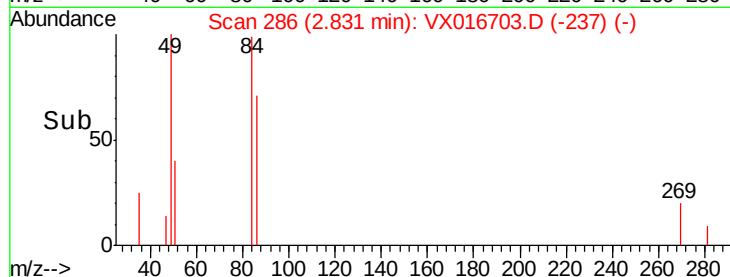
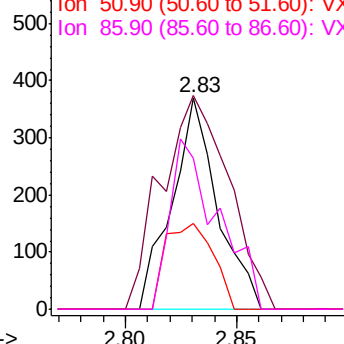
#20
Methylene Chloride
Concen: 0.232 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.00 min
Lab File: VX016703.D
Acq: 11 Jun 2020 14:49

Instrument :
MSVOA_X
ClientSampled :
I-LGC-2DL

Tgt Ion:	84	Resp:	527
Ion	Ratio	Lower	Upper
84	100		
49	101.1	94.5	141.7
51	40.5	30.2	45.4
86	71.6	51.1	76.7

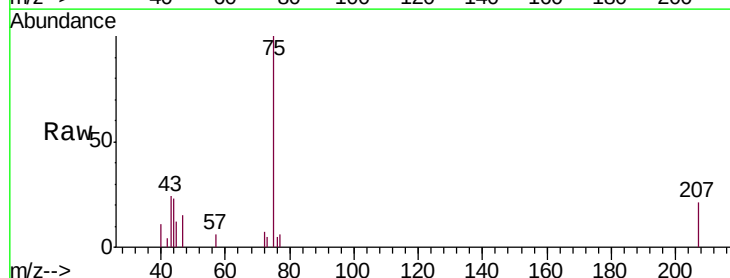


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

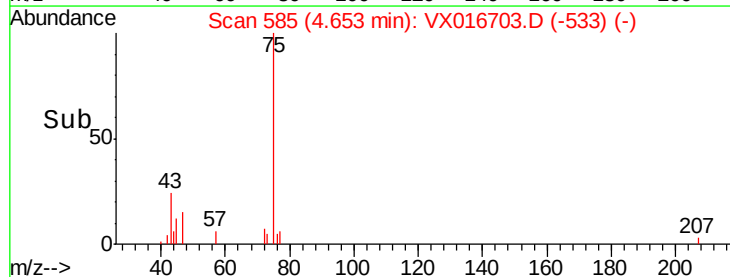
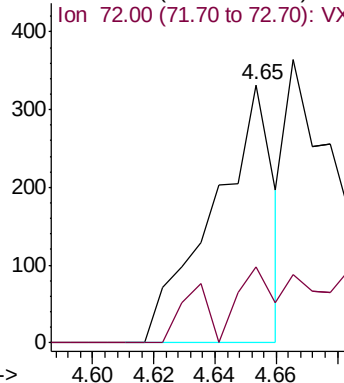


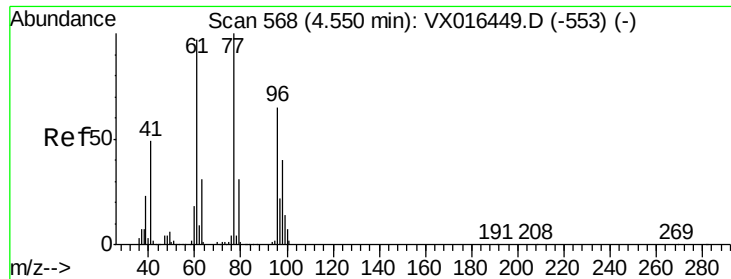
#25
2-Butanone
Concen: 0.243 ug/l
RT: 4.65 min Scan# 585
Delta R.T. 0.02 min
Lab File: VX016703.D
Acq: 11 Jun 2020 14:49

Tgt Ion:	43	Resp:	452
Ion	Ratio	Lower	Upper
43	100		
72	29.5	21.0	31.6



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0

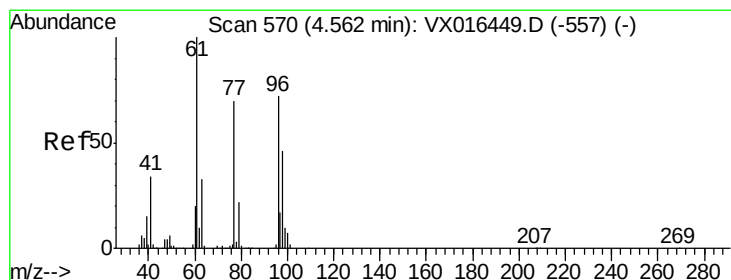
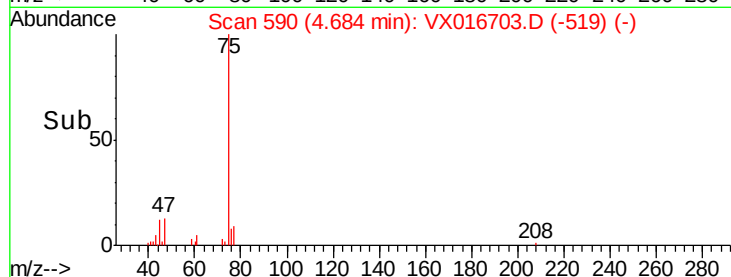
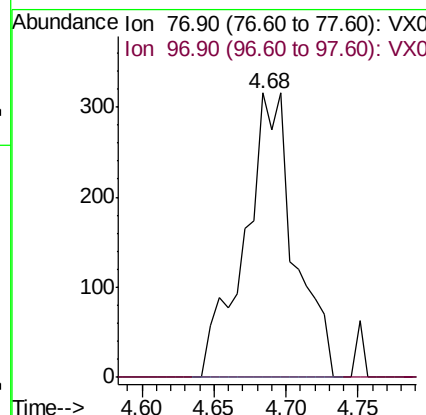
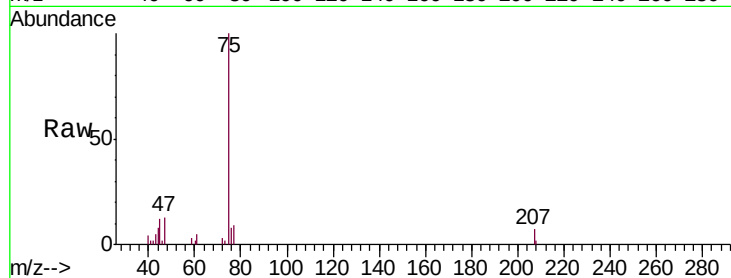




#26
 2,2-Dichloropropane
 Concen: 0.239 ug/l
 RT: 4.68 min Scan# 590
 Delta R.T. 0.13 min
 Lab File: VX016703.D
 Acq: 11 Jun 2020 14:49

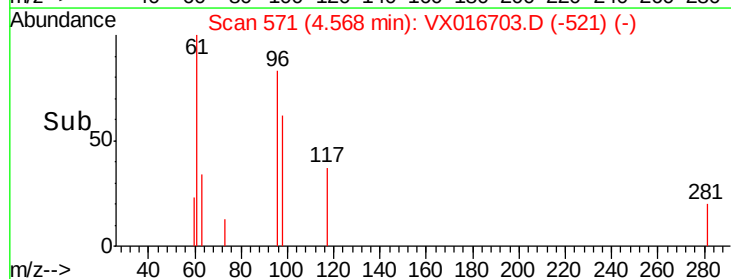
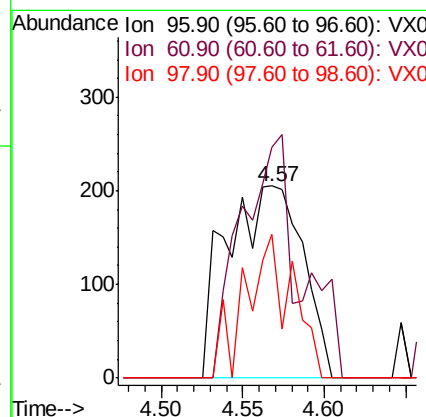
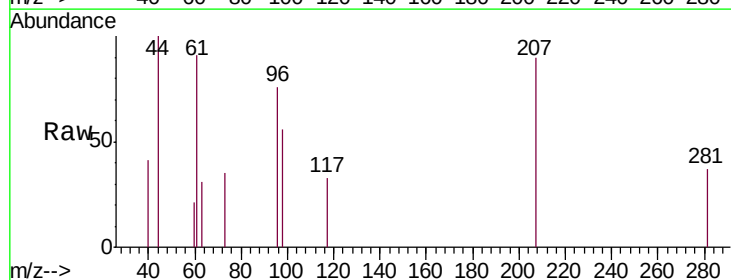
Instrument :
 MSVOA_X
 ClientSampleId :
 I-LGC-2DL

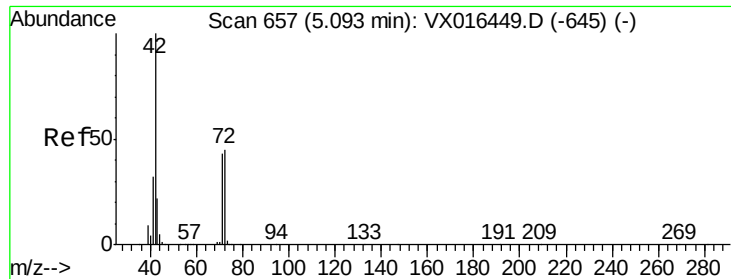
Tgt Ion: 77 Resp: 755
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.5 34.4#



#27
 cis-1,2-Dichloroethene
 Concen: 0.270 ug/l
 RT: 4.57 min Scan# 571
 Delta R.T. 0.01 min
 Lab File: VX016703.D
 Acq: 11 Jun 2020 14:49

Tgt Ion: 96 Resp: 671
 Ion Ratio Lower Upper
 96 100
 61 80.2 0.0 284.6
 98 45.9 0.0 127.2





#29

Tetrahydrofuran

Concen: 0.381 ug/l

RT: 5.12 min Scan# 661

Delta R.T. 0.02 min

Lab File: VX016703.D

Acq: 11 Jun 2020 14:49

Instrument :

MSVOA_X

ClientSampleId :

I-LGC-2DL

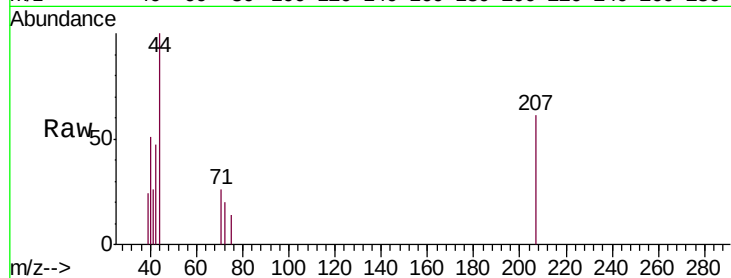
Tgt Ion: 42 Resp: 457

Ion Ratio Lower Upper

42 100

72 31.5 37.0 55.4#

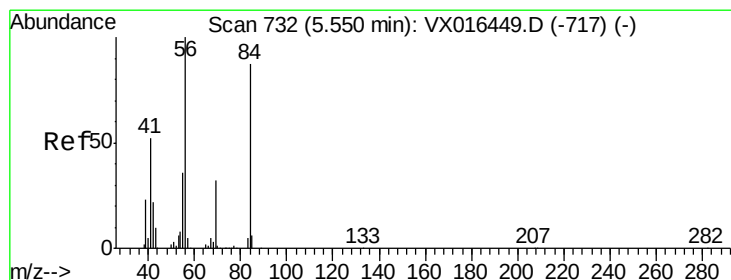
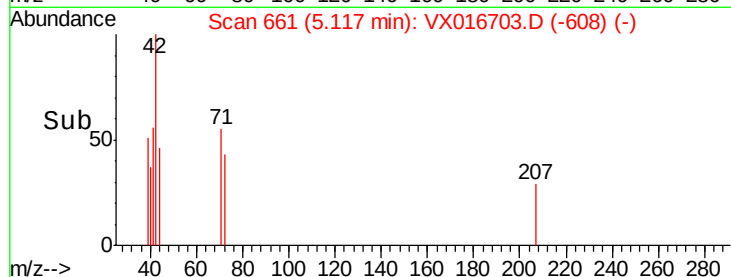
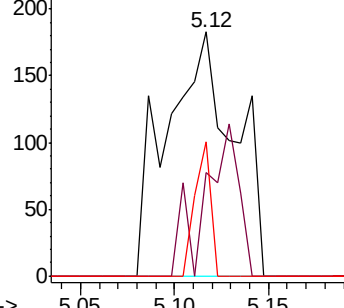
71 12.9 34.1 51.1#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#31

Cyclohexane

Concen: 0.934 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.07 min

Lab File: VX016703.D

Acq: 11 Jun 2020 14:49

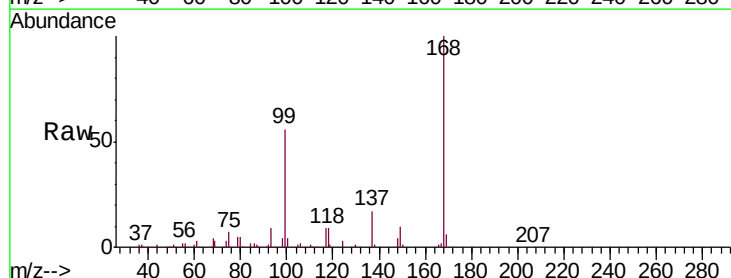
Tgt Ion: 56 Resp: 3249

Ion Ratio Lower Upper

56 100

69 201.7 25.7 38.5#

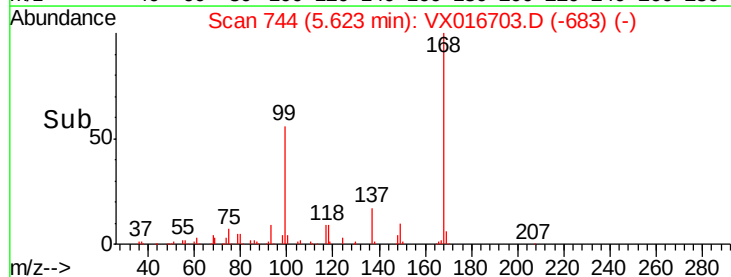
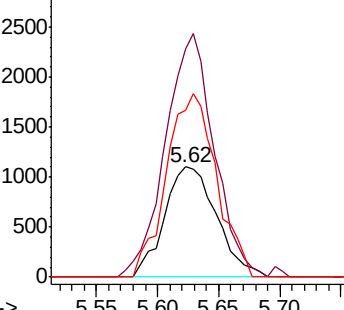
84 151.3 70.0 105.0#

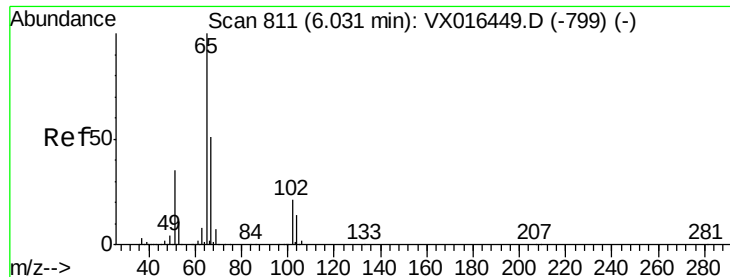


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

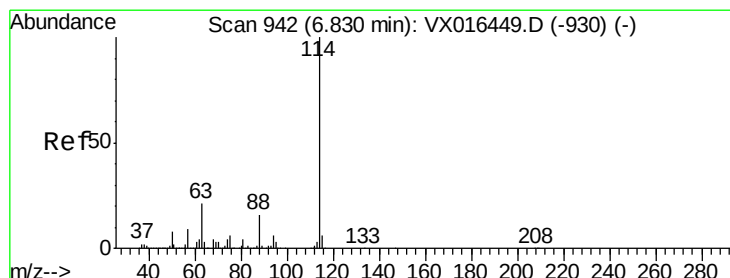
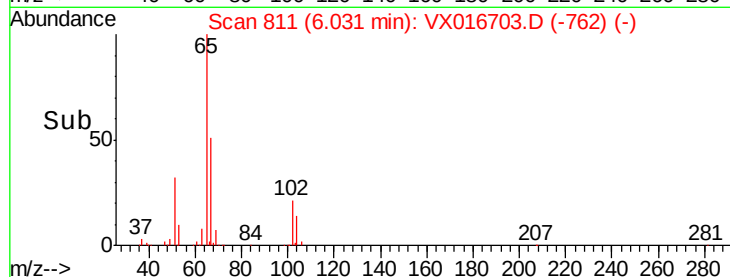
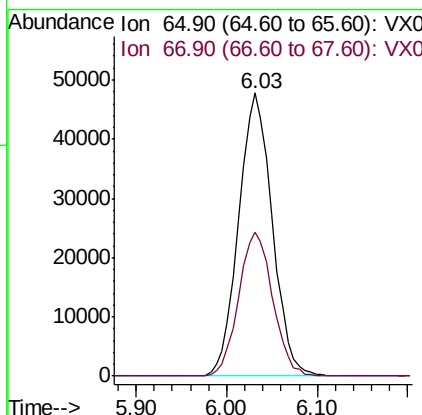
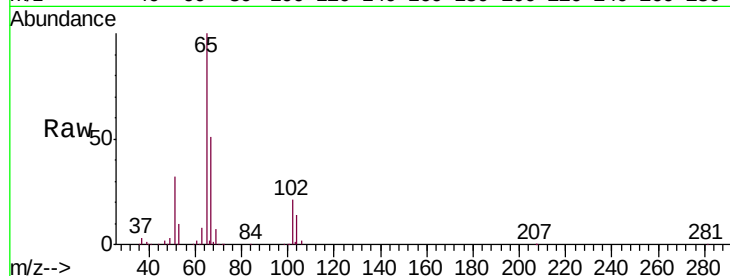




#33
 1,2-Dichloroethane-d4
 Concen: 49.182 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX016703.D
 Acq: 11 Jun 2020 14:49

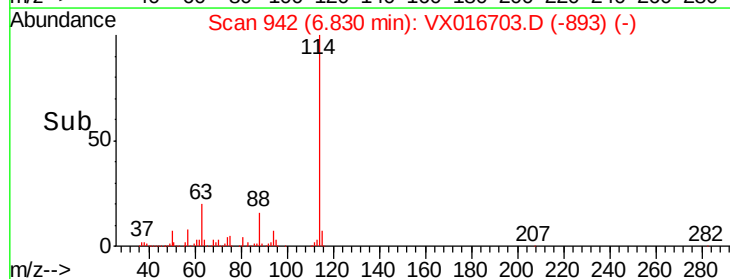
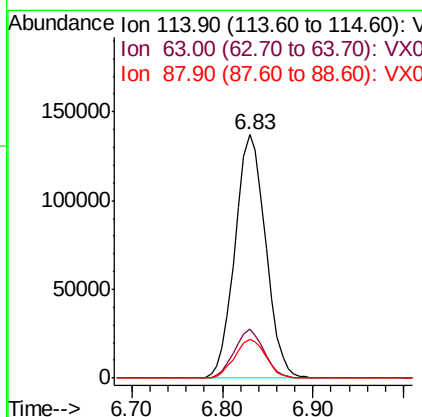
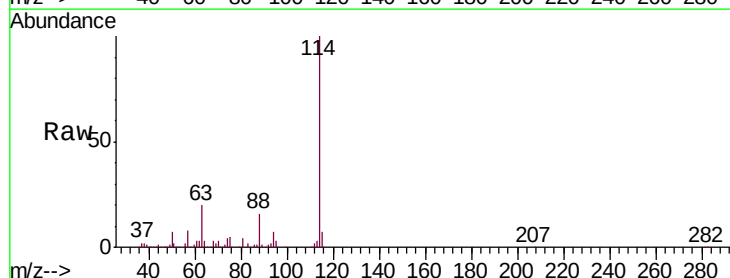
Instrument :
 MSVOA_X
 ClientSampled :
 I-LGC-2DL

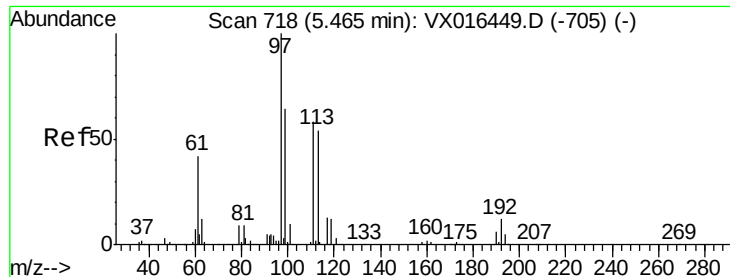
Tgt Ion: 65 Resp: 123052
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX016703.D
 Acq: 11 Jun 2020 14:49

Tgt Ion: 114 Resp: 321169
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 42.6
 88 16.2 0.0 32.8





#35

Dibromofluoromethane

Concen: 52.085 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX016703.D

Acq: 11 Jun 2020 14:49

Instrument :

MSVOA_X

ClientSampleId :

I-LGC-2DL

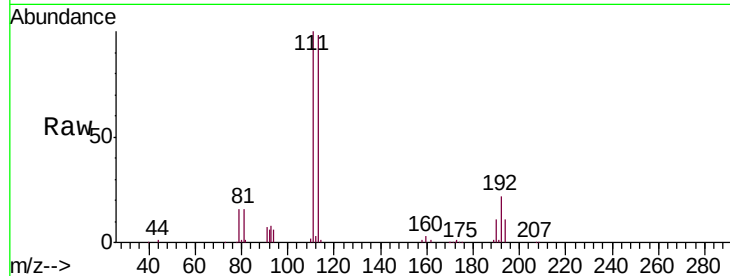
Tgt Ion:113 Resp: 103003

Ion Ratio Lower Upper

113 100

111 103.7 83.0 124.6

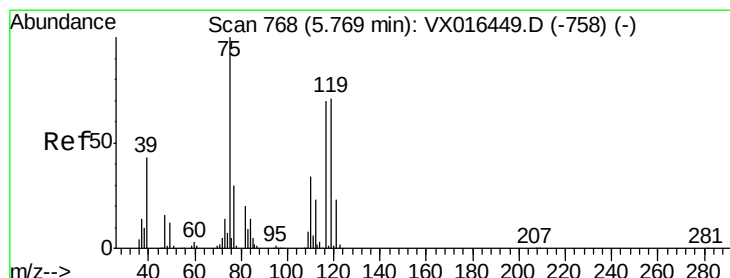
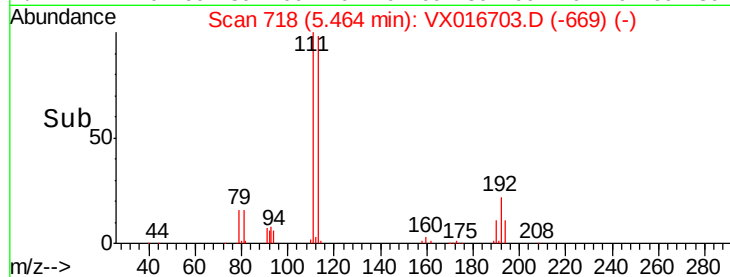
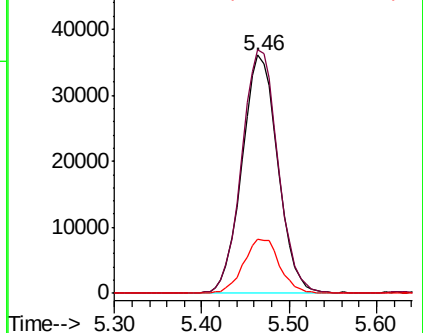
192 22.9 17.7 26.5



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: 4.483 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016703.D

Acq: 11 Jun 2020 14:49

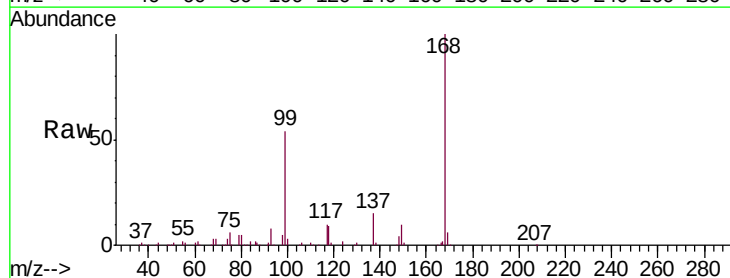
Tgt Ion: 75 Resp: 13633

Ion Ratio Lower Upper

75 100

110 10.2 17.4 52.3#

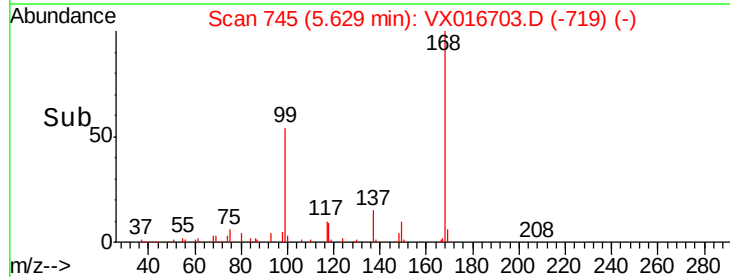
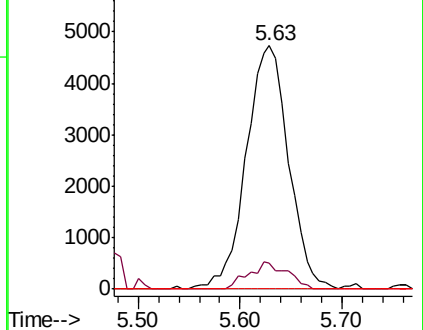
77 0.0 24.2 36.4#

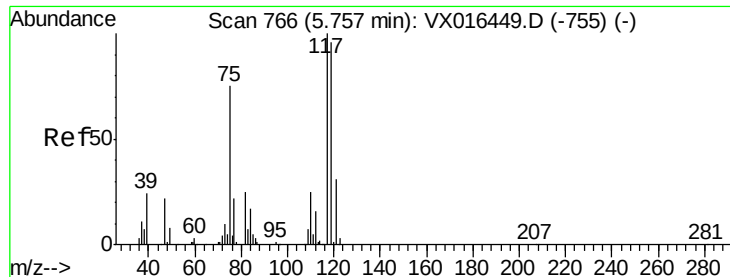


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.867 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016703.D

Acq: 11 Jun 2020 14:49

Instrument :

MSVOA_X

ClientSampleId :

I-LGC-2DL

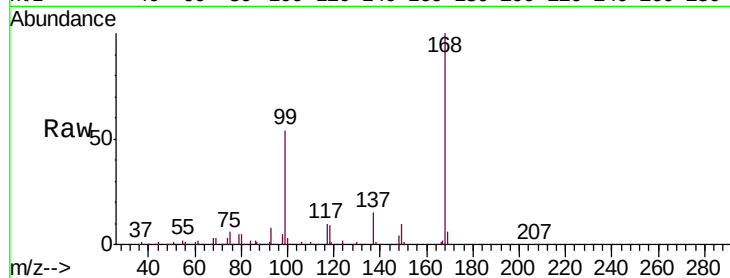
Tgt Ion: 117 Resp: 18748

Ion Ratio Lower Upper

117 100

119 6.1 76.3 114.5#

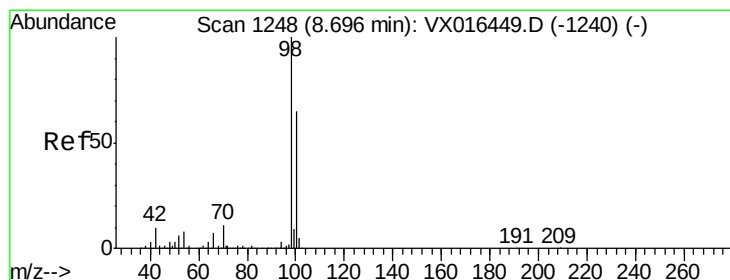
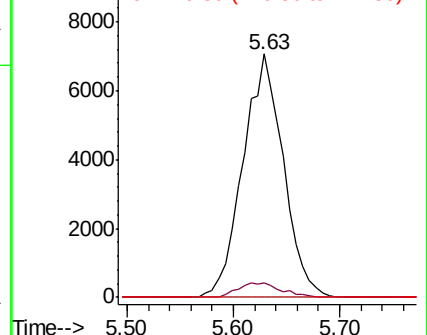
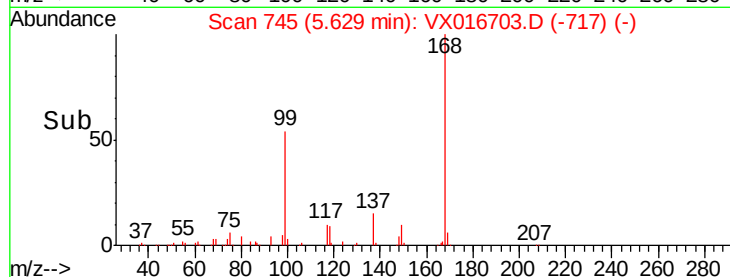
121 0.0 24.6 37.0#



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: 50.962 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016703.D

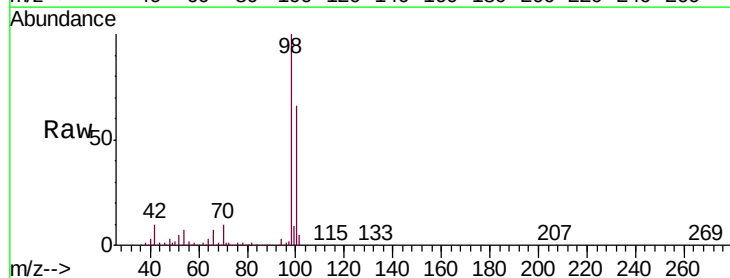
Acq: 11 Jun 2020 14:49

Tgt Ion: 98 Resp: 392266

Ion Ratio Lower Upper

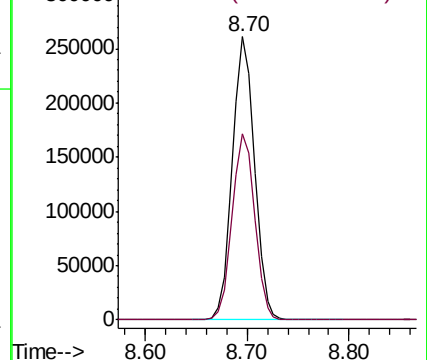
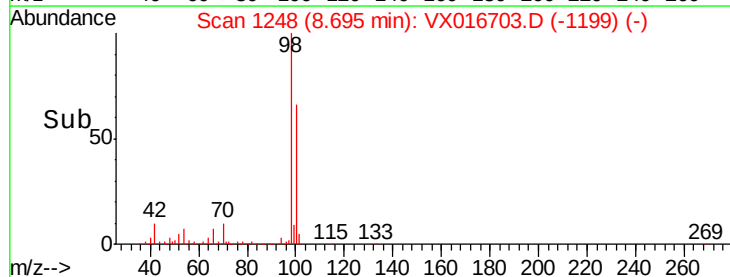
98 100

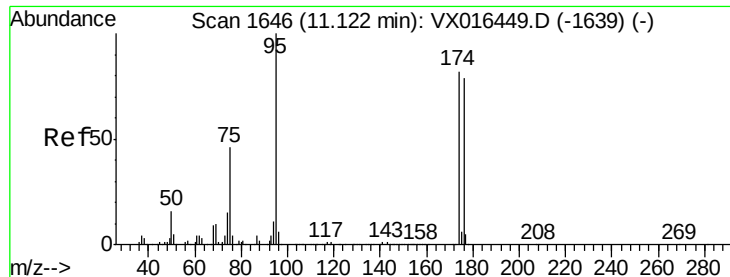
100 66.8 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 55.816 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016703.D

Acq: 11 Jun 2020 14:49

Instrument :

MSVOA_X

ClientSampleId :

I-LGC-2DL

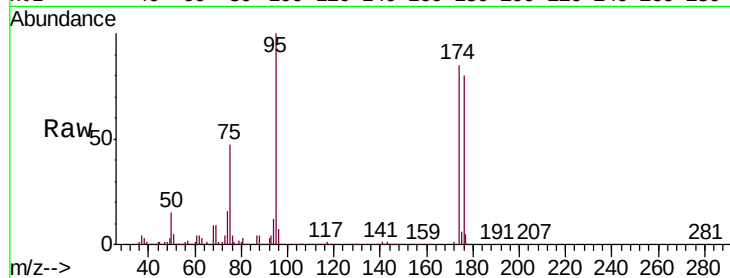
Tgt Ion: 95 Resp: 166008

Ion Ratio Lower Upper

95 100

174 85.3 0.0 163.0

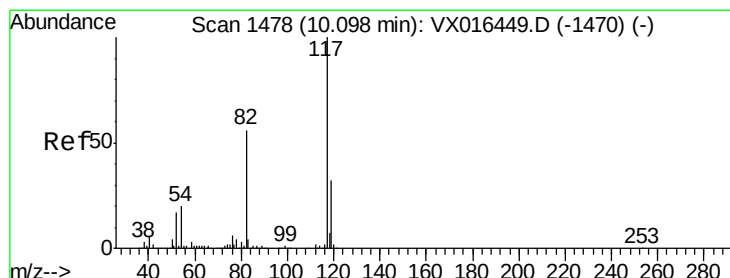
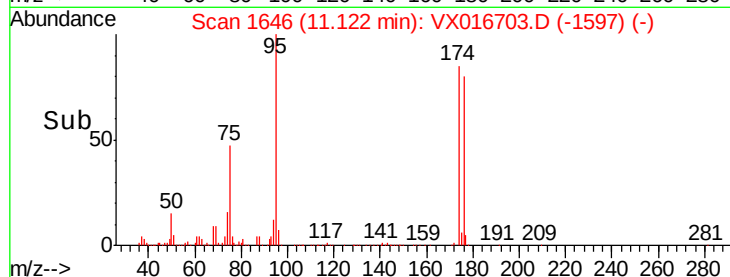
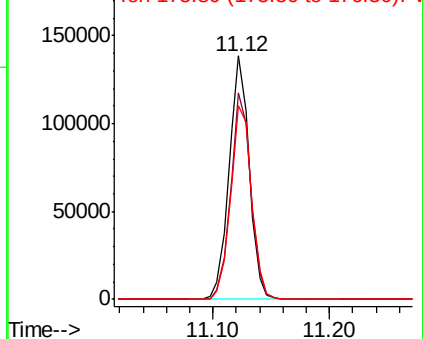
176 83.2 0.0 156.8



Abundance Ion 94.90 (94.60 to 95.60): VX016449.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX016449.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX016449.D (-1639) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016703.D

Acq: 11 Jun 2020 14:49

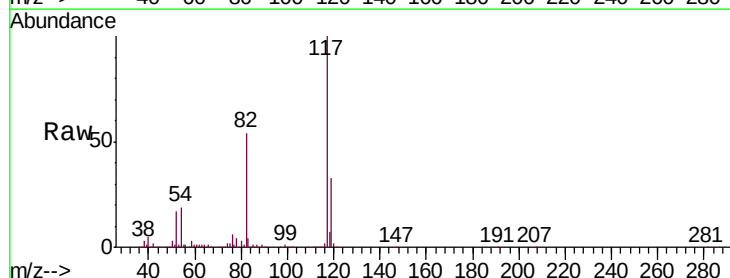
Tgt Ion: 117 Resp: 328388

Ion Ratio Lower Upper

117 100

82 53.9 45.0 67.6

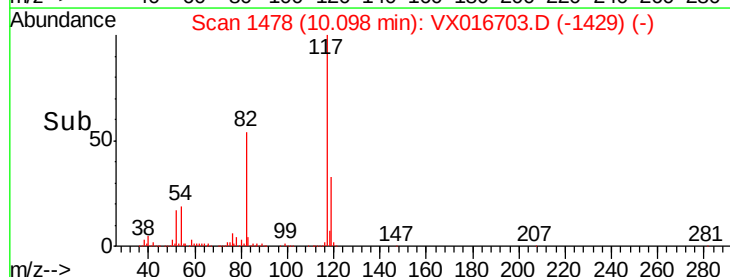
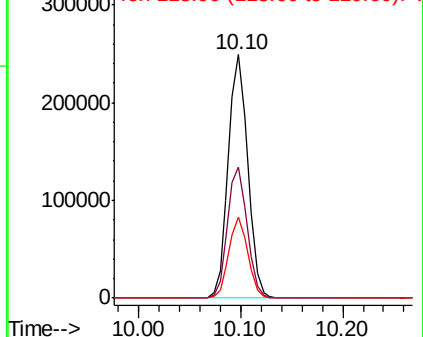
119 33.5 25.8 38.8

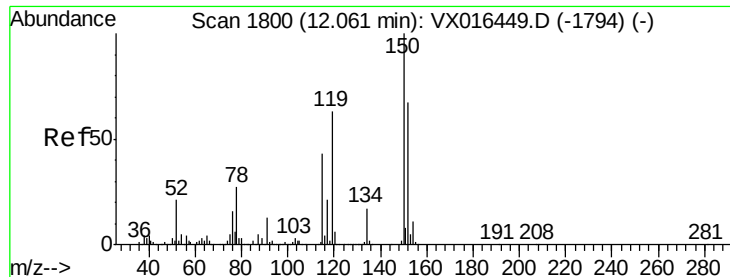


Abundance Ion 116.90 (116.60 to 117.60): VX016449.D (-1470) (-)

Ion 82.00 (81.70 to 82.70): VX016449.D (-1470) (-)

Ion 118.90 (118.60 to 119.60): VX016449.D (-1470) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1801

Delta R.T. 0.01 min

Lab File: VX016703.D

Acq: 11 Jun 2020 14:49

Instrument :

MSVOA_X

ClientSampleId :

I-LGC-2DL

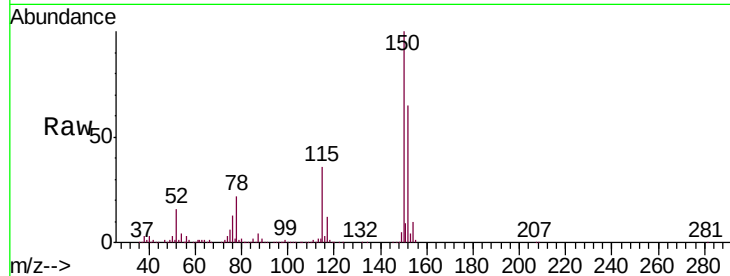
Tgt Ion: 152 Resp: 178667

Ion Ratio Lower Upper

152 100

115 59.0 39.9 119.6

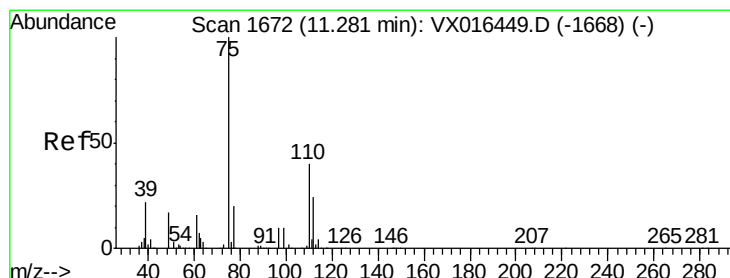
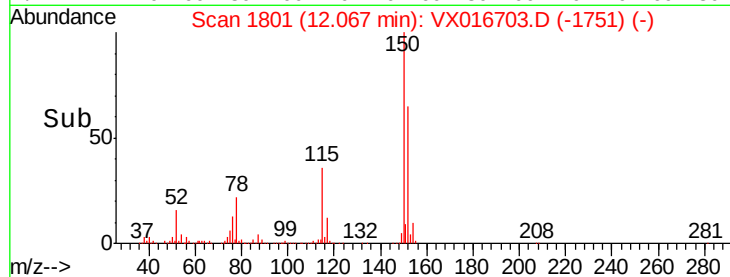
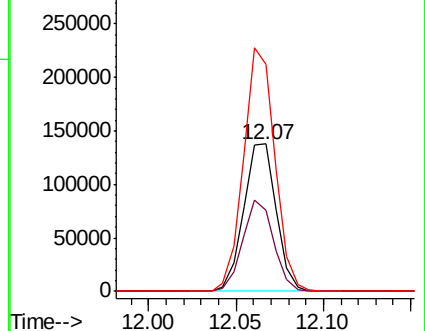
150 158.3 0.0 341.0



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: 20.256 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016703.D

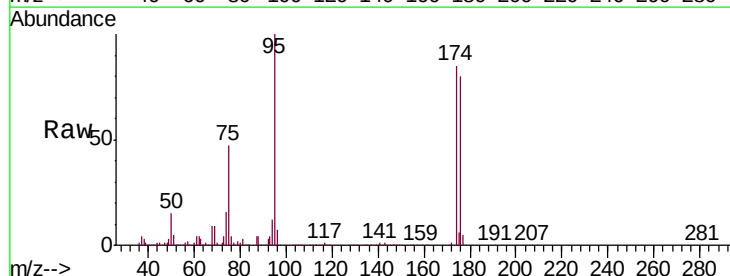
Acq: 11 Jun 2020 14:49

Tgt Ion: 75 Resp: 79551

Ion Ratio Lower Upper

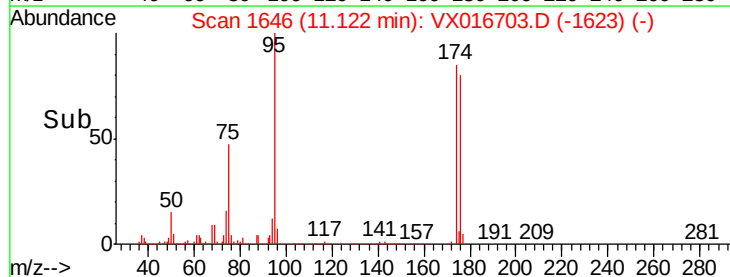
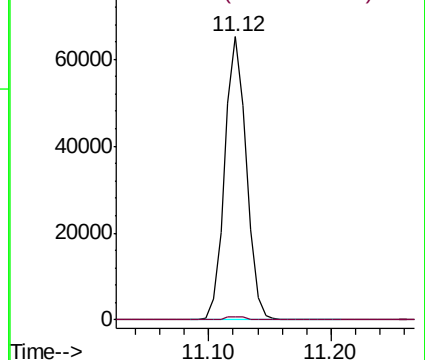
75 100

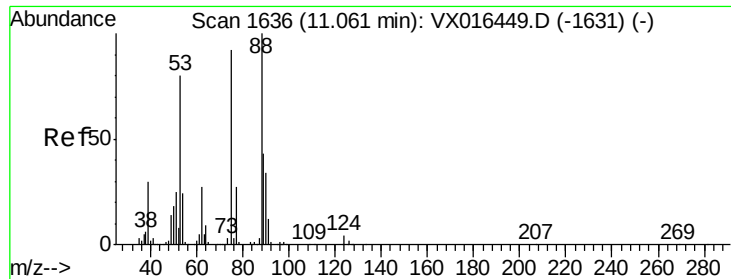
77 1.4 21.3 63.7#



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: 49.828 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX016703.D
 Acq: 11 Jun 2020 14:49

Instrument :
 MSVOA_X
 ClientSampleId :
 I-LGC-2DL

Tgt Ion: 75 Resp: 79551
 Ion Ratio Lower Upper
 75 100
 53 0.1 71.3 106.9#
 89 0.0 36.6 55.0#

