

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060420\
 Data File : VX016582.D
 Acq On : 04 Jun 2020 15:37
 Operator : JC/SP
 Sample : L2894-20
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 05 04:22:08 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	247002	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	393362	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	396951	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	199421	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	145339	47.38	ug/l	0.00
Spiked Amount			Recovery	=	94.76%	
35) Dibromofluoromethane	5.46	113	117139	48.36	ug/l	0.00
Spiked Amount			Recovery	=	96.72%	
50) Toluene-d8	8.70	98	487061	51.66	ug/l	0.00
Spiked Amount			Recovery	=	103.32%	
62) 4-Bromofluorobenzene	11.12	95	197044	54.09	ug/l	0.00
Spiked Amount			Recovery	=	108.18%	

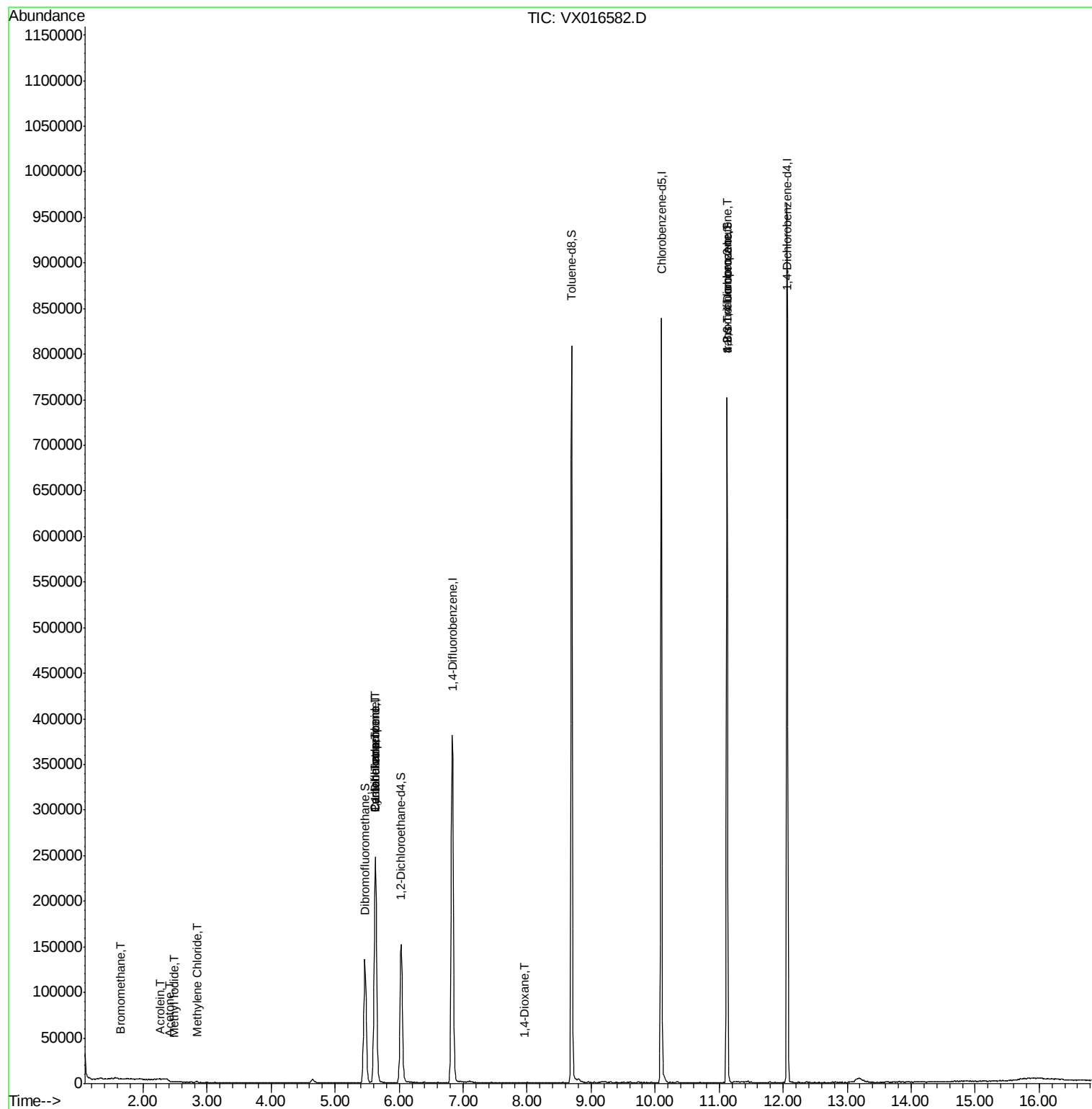
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	373	0.247	ug/l	86
10) Methyl Iodide	2.50	142	169	3.114	ug/l #	40
13) Acrolein	2.27	56	364	1.088	ug/l #	66
16) Acetone	2.42	43	587	0.437	ug/l	93
20) Methylene Chloride	2.83	84	624	0.224	ug/l #	83
31) Cyclohexane	5.63	56	4456	1.045	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	17047	4.577	ug/l #	51
38) Carbon Tetrachloride	5.64	117	23830	6.088	ug/l #	15
49) 1,4-Dioxane	7.95	88	19	0.243	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	97127	22.158	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	97127	54.505	ug/l #	14

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

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QLast Update : Wed May 27 16:31:05 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX016582.D

Acq: 04 Jun 2020 15:37

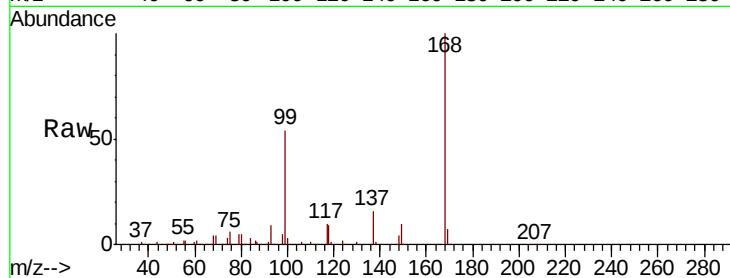
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 247002

Ion Ratio Lower Upper

168 100

99 53.8 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

80000

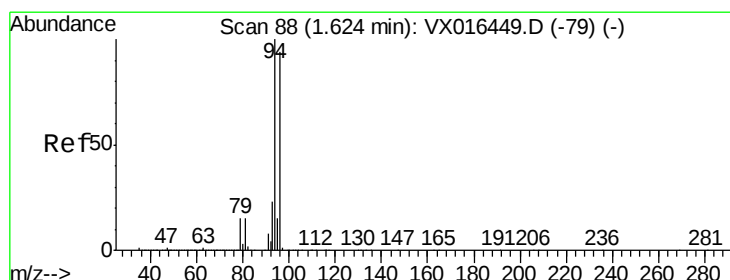
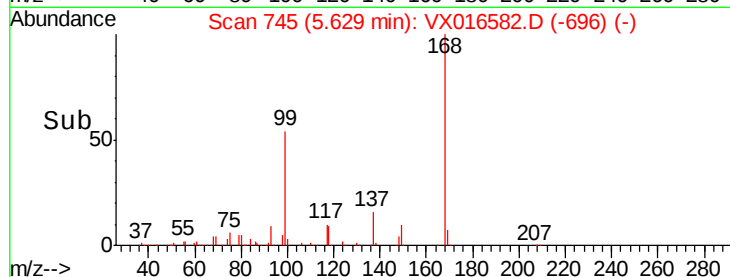
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.247 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX016582.D

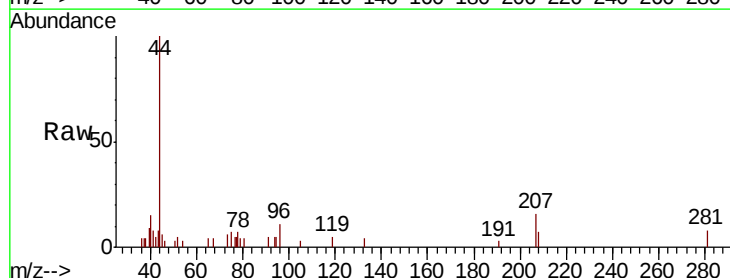
Acq: 04 Jun 2020 15:37

Tgt Ion: 94 Resp: 373

Ion Ratio Lower Upper

94 100

96 80.4 75.1 112.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

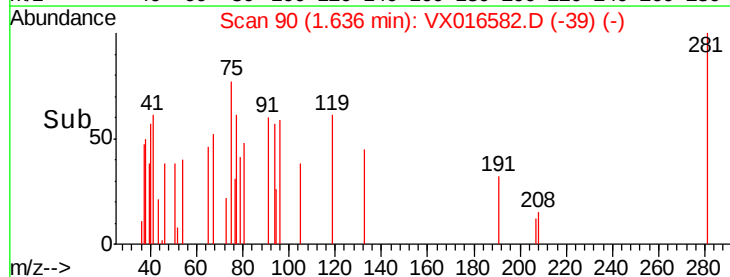
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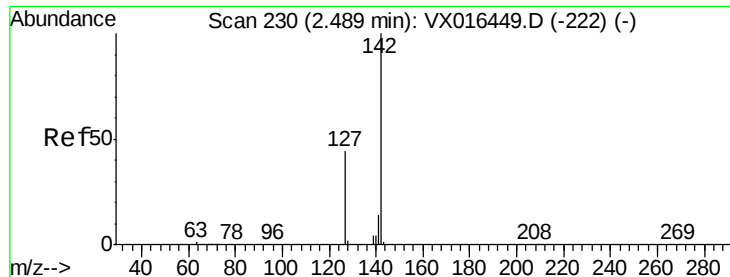
200

100

0

Time-->

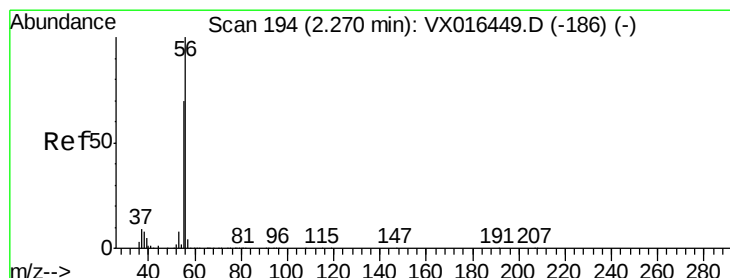
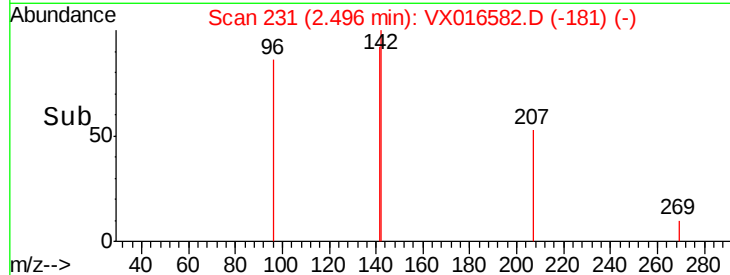
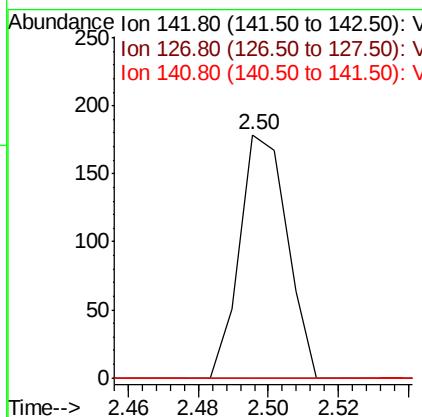
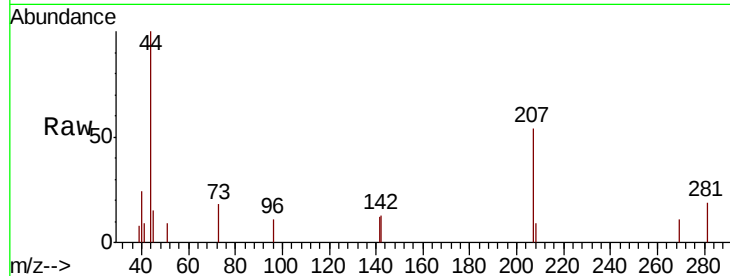




#10
Methyl Iodide
Concen: 3.114 ug/l
RT: 2.50 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX016582.D
Acq: 04 Jun 2020 15:37

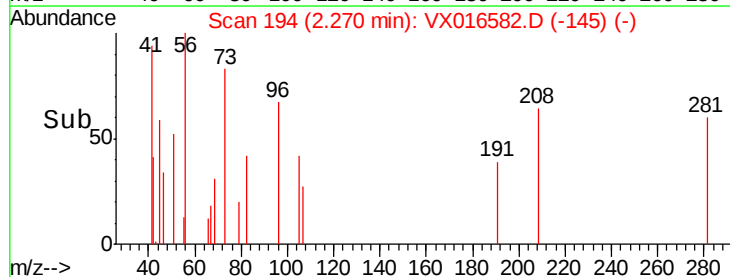
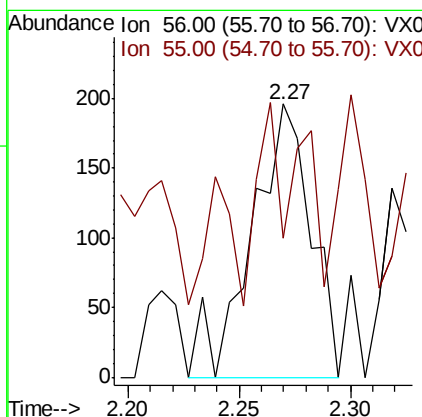
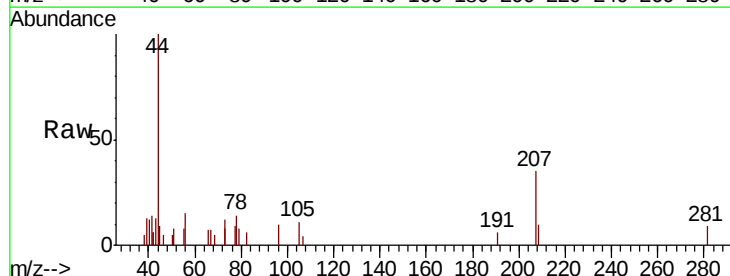
Instrument :
MSVOA_X
ClientSampleId :

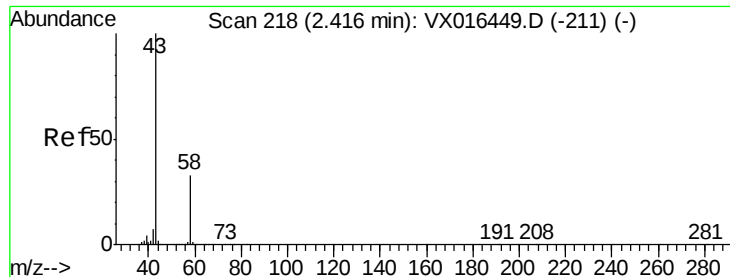
Tot Ion:142 Resp: 169
Ion Ratio Lower Upper
142 100
127 0.0 35.3 52.9#
141 0.0 11.4 17.2#



#13
Acrolein
Concen: 1.088 ug/l
RT: 2.27 min Scan# 194
Delta R.T. 0.00 min
Lab File: VX016582.D
Acq: 04 Jun 2020 15:37

Tgt Ion: 56 Resp: 364
Ion Ratio Lower Upper
56 100
55 44.2 58.3 87.5#

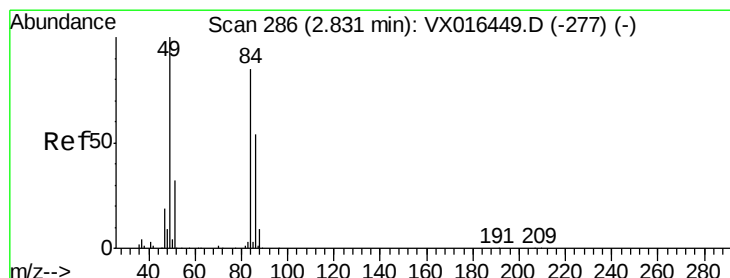
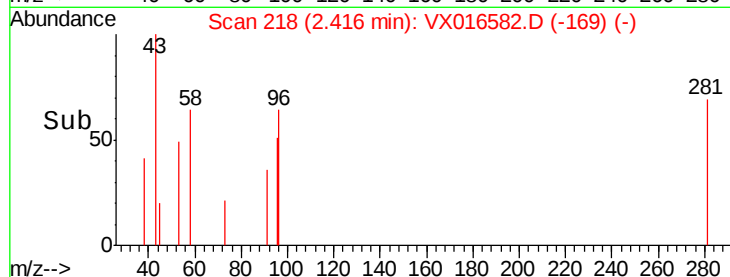
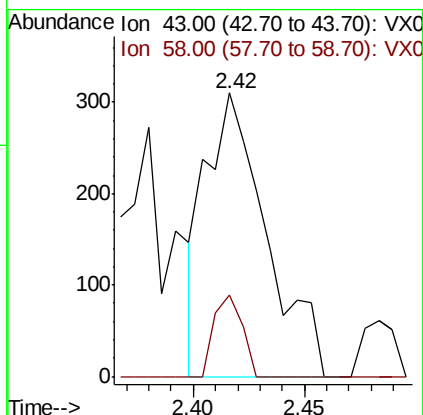
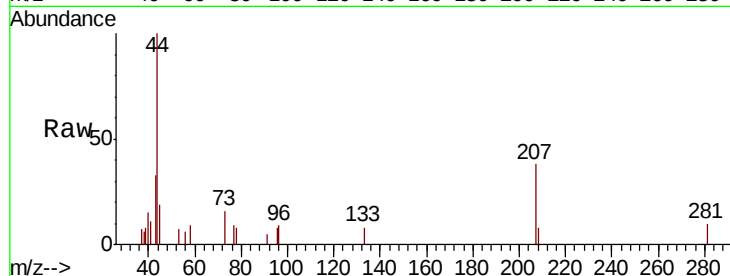




#16
Acetone
Concen: 0.437 ug/l
RT: 2.42 min Scan# 218
Delta R.T. 0.00 min
Lab File: VX016582.D
Acq: 04 Jun 2020 15:37

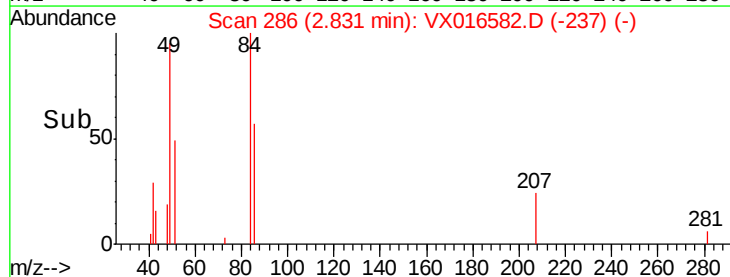
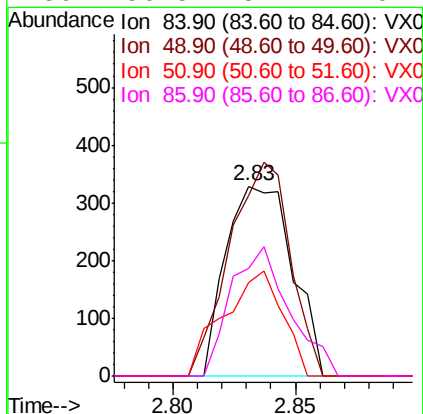
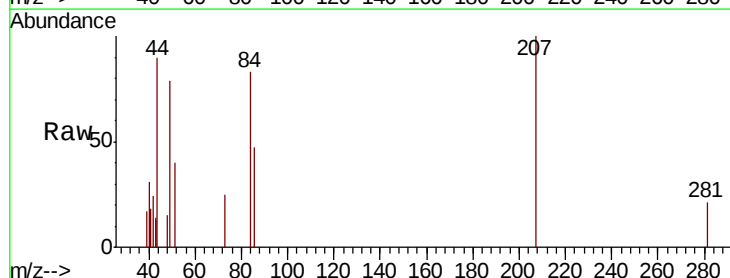
Instrument :
MSVOA_X
ClientSampleId :

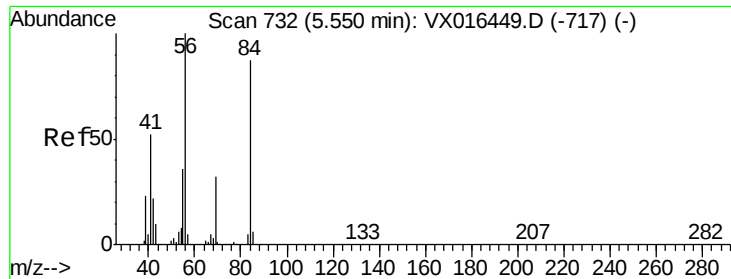
Tot Ion: 43 Resp: 587
Ion Ratio Lower Upper
43 100
58 28.7 26.1 39.1



#20
Methylene Chloride
Concen: 0.224 ug/l
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX016582.D
Acq: 04 Jun 2020 15:37

Tgt Ion: 84 Resp: 624
Ion Ratio Lower Upper
84 100
49 95.1 94.5 141.7
51 48.9 30.2 45.4#
86 56.5 51.1 76.7

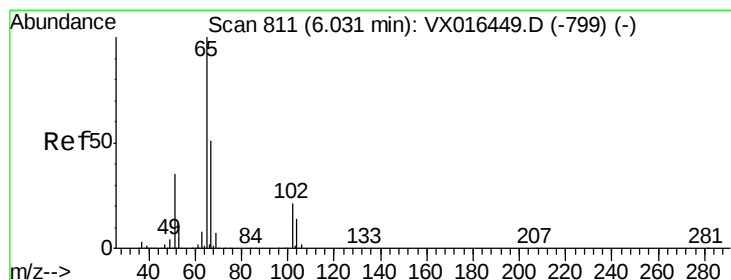
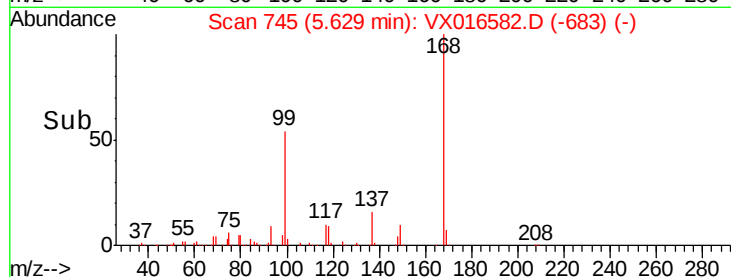
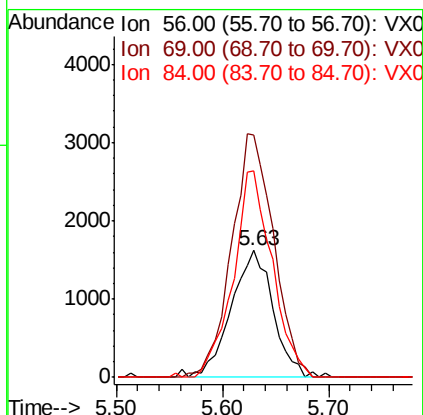
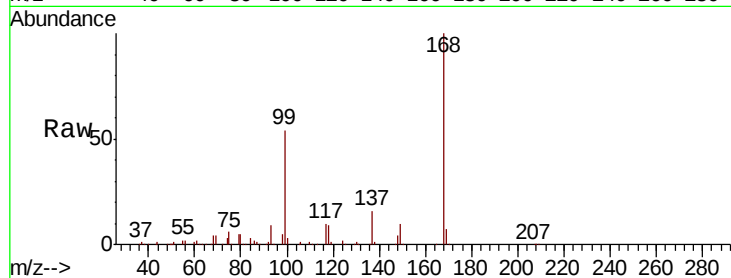




#31
Cyclohexane
Concen: 1.045 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX016582.D
Acq: 04 Jun 2020 15:37

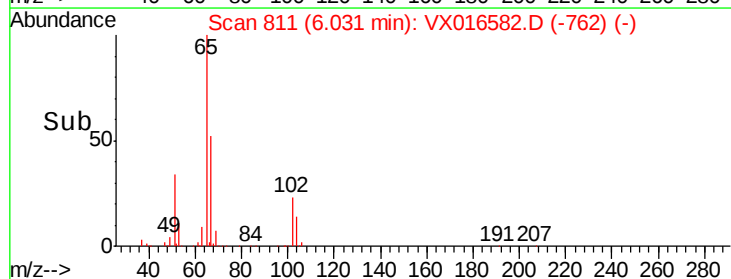
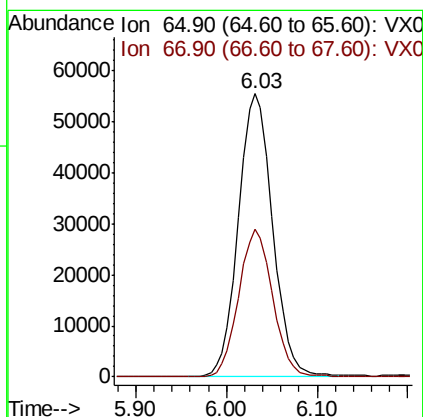
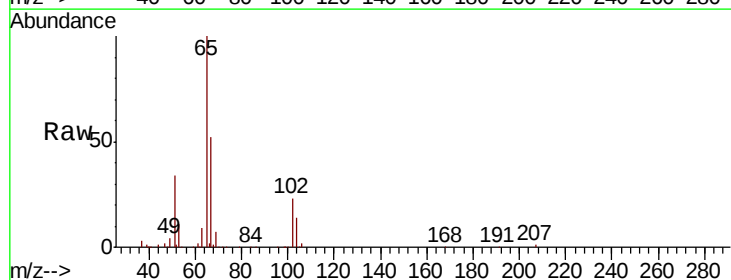
Instrument :
MSVOA_X
ClientSampleId :

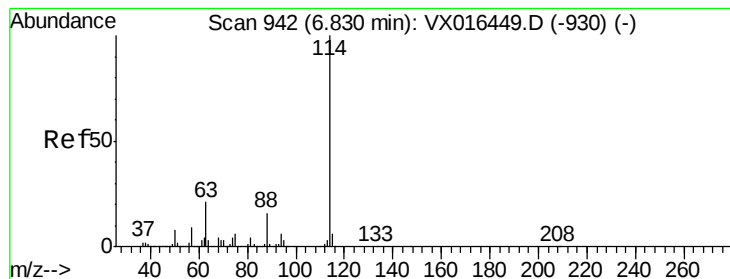
Tot Ion: 56 Resp: 4456
Ion Ratio Lower Upper
56 100
69 191.1 25.7 38.5#
84 162.8 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 47.381 ug/l
RT: 6.03 min Scan# 811
Delta R.T. 0.00 min
Lab File: VX016582.D
Acq: 04 Jun 2020 15:37

Tgt Ion: 65 Resp: 145339
Ion Ratio Lower Upper
65 100
67 51.8 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: VX016582.D

Acq: 04 Jun 2020 15:37

Instrument :

MSVOA_X

ClientSampleId :

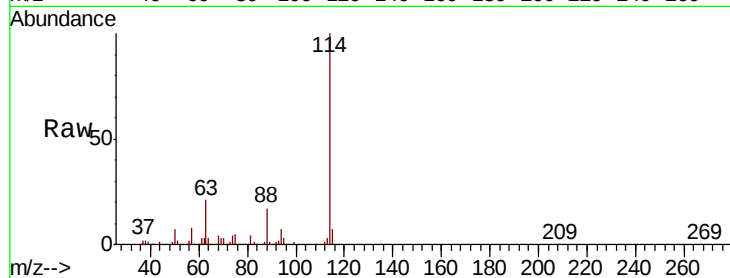
Tot Ion:114 Resp: 393362

Ion Ratio Lower Upper

114 100

63 20.6 0.0 42.6

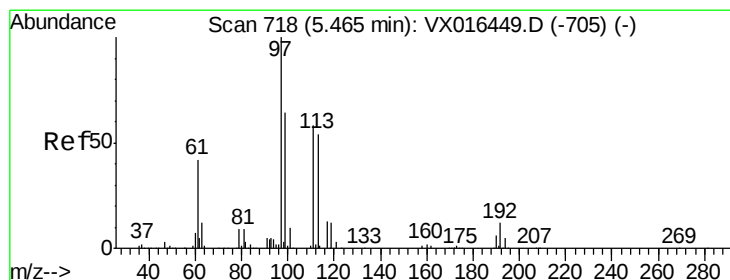
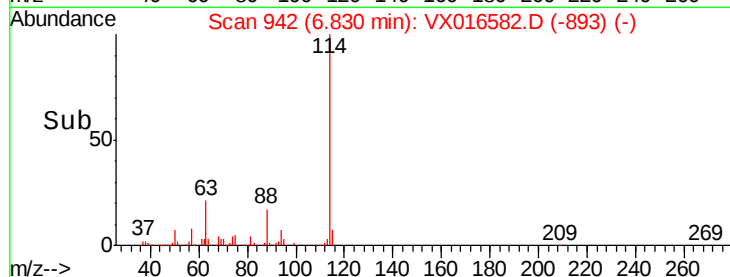
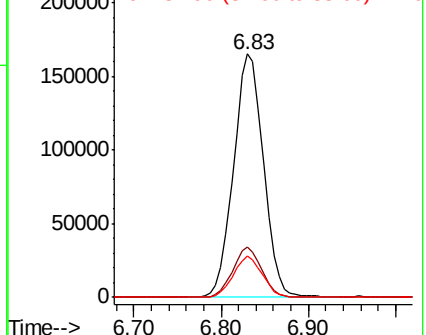
88 16.8 0.0 32.8



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: 48.362 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.00 min

Lab File: VX016582.D

Acq: 04 Jun 2020 15:37

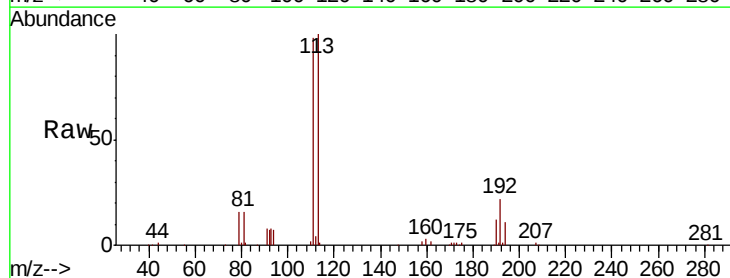
Tgt Ion:113 Resp: 117139

Ion Ratio Lower Upper

113 100

111 101.5 83.0 124.6

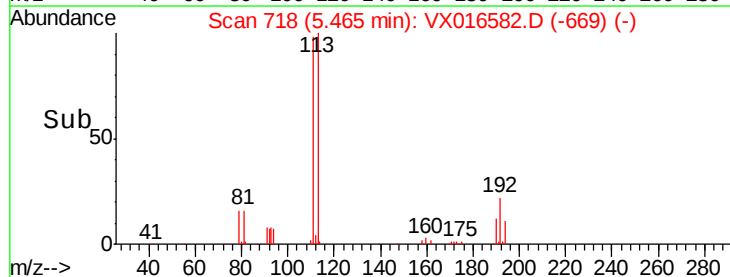
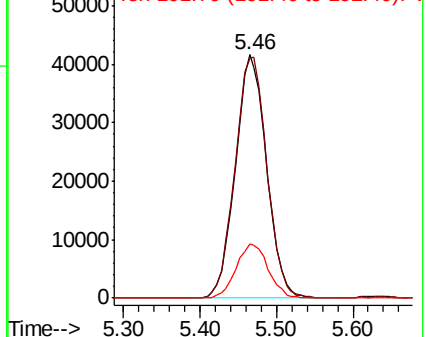
192 22.8 17.7 26.5

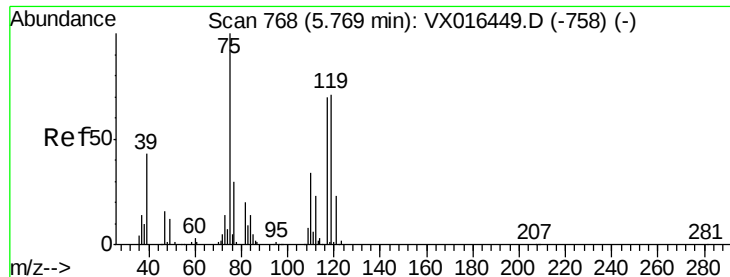


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.577 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.15 min

Lab File: VX016582.D

Acq: 04 Jun 2020 15:37

Instrument :

MSVOA_X

ClientSampleId :

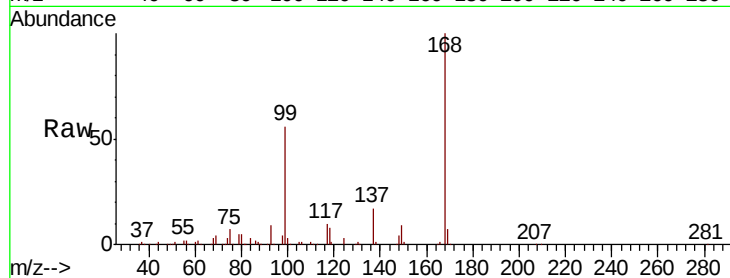
Tot Ion: 75 Resp: 17047

Ion Ratio Lower Upper

75 100

110 9.9 17.4 52.3#

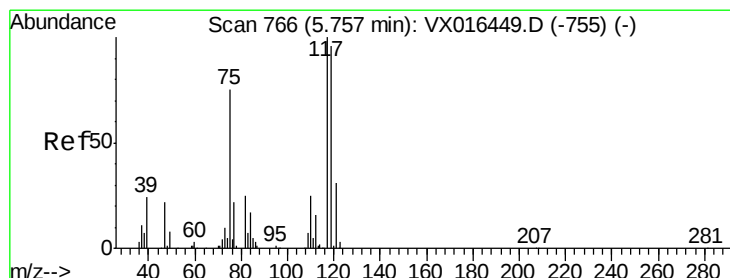
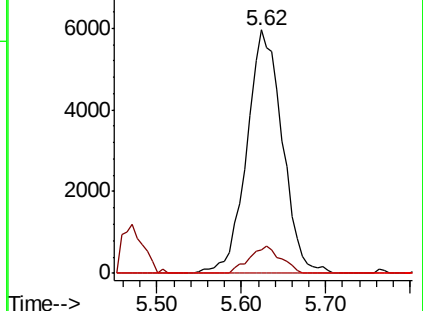
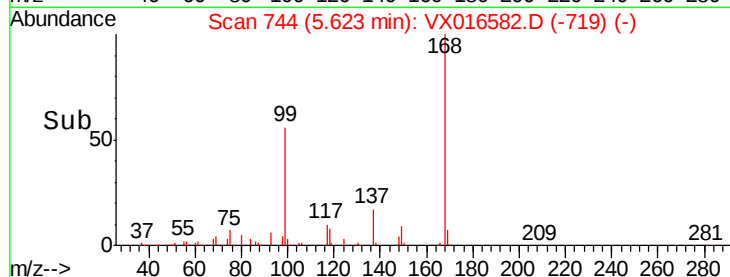
77 0.0 24.2 36.4#



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: 6.088 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX016582.D

Acq: 04 Jun 2020 15:37

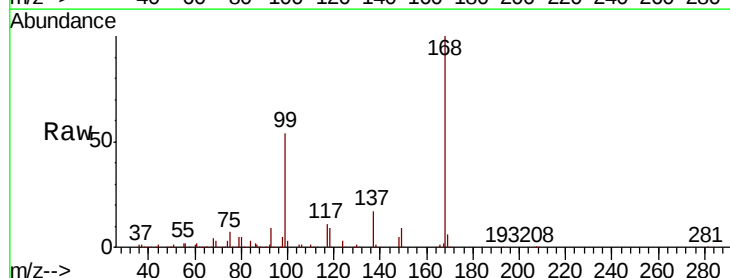
Tgt Ion:117 Resp: 23830

Ion Ratio Lower Upper

117 100

119 3.9 76.3 114.5#

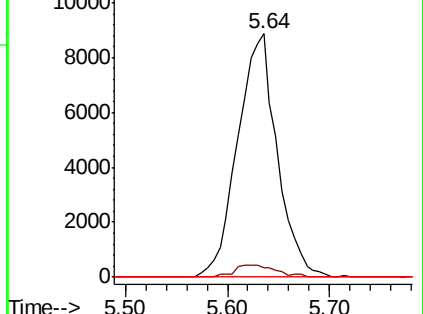
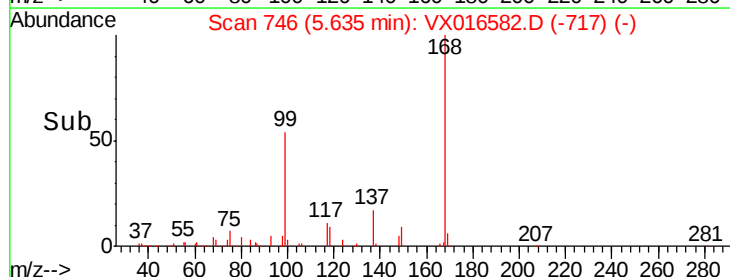
121 0.0 24.6 37.0#

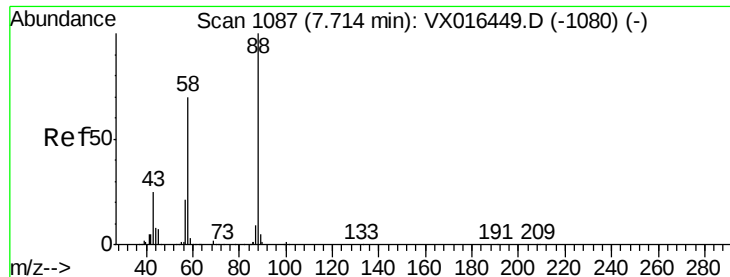


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 0.243 ug/l

RT: 7.95 min Scan# 1126

Delta R.T. 0.24 min

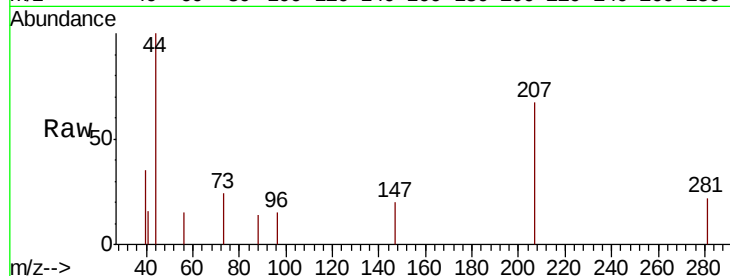
Lab File: VX016582.D

Acq: 04 Jun 2020 15:37

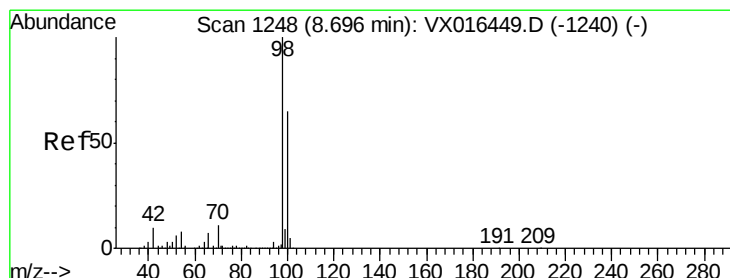
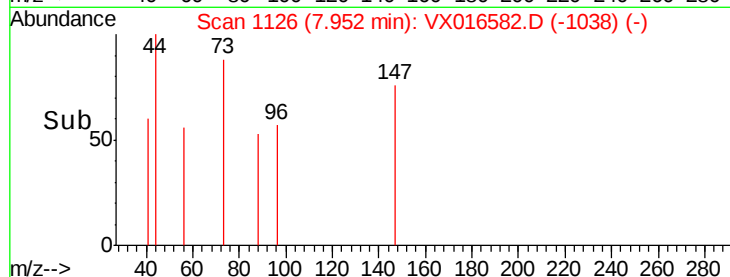
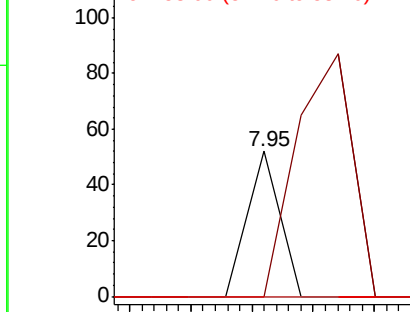
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 88 Resp: 19

Ion	Ratio	Lower	Upper
88	100		
43	294.7	24.2	36.4#
58	0.0	56.5	84.7#



Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 51.665 ug/l

RT: 8.70 min Scan# 1248

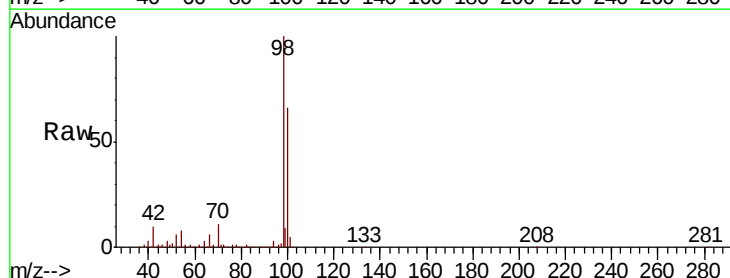
Delta R.T. 0.00 min

Lab File: VX016582.D

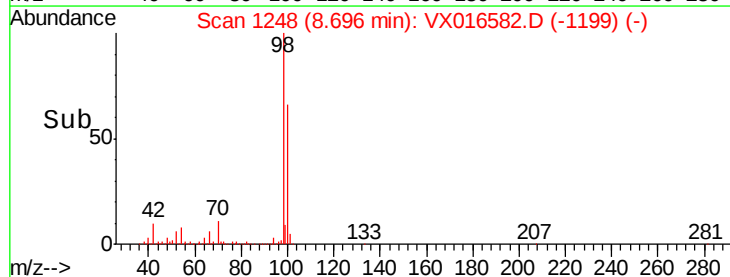
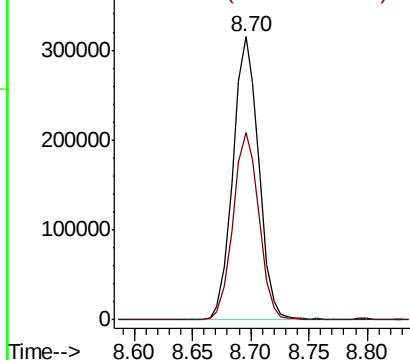
Acq: 04 Jun 2020 15:37

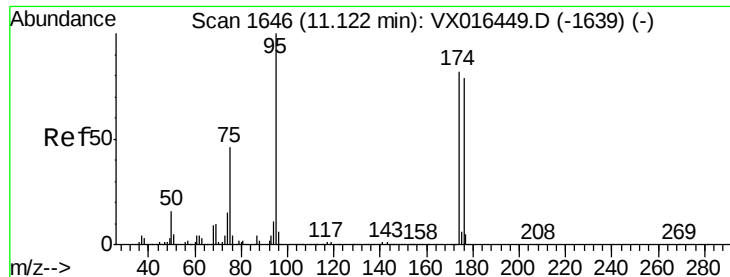
Tgt Ion: 98 Resp: 487061

Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.8	80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 54.093 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX016582.D

Acq: 04 Jun 2020 15:37

Instrument :

MSVOA_X

ClientSampleId :

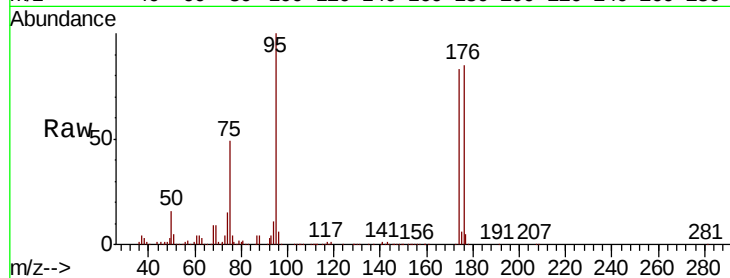
Tot Ion: 95 Resp: 197044

Ion Ratio Lower Upper

95 100

174 84.0 0.0 163.0

176 81.5 0.0 156.8



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

200000

150000

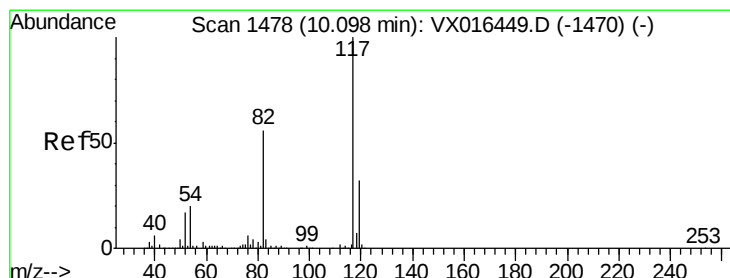
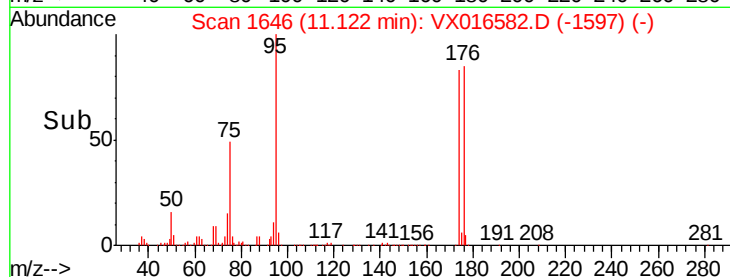
100000

50000

0

11.10 11.12 11.20

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX016582.D

Acq: 04 Jun 2020 15:37

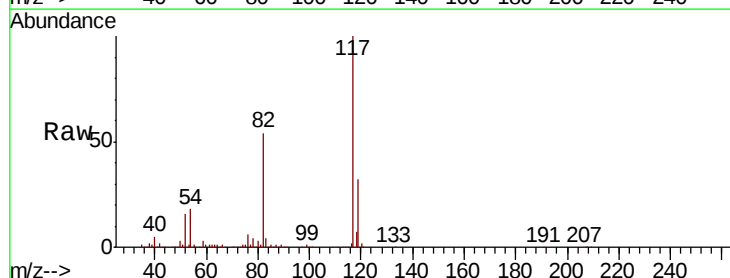
Tgt Ion: 117 Resp: 396951

Ion Ratio Lower Upper

117 100

82 53.5 45.0 67.6

119 32.2 25.8 38.8



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

400000

300000

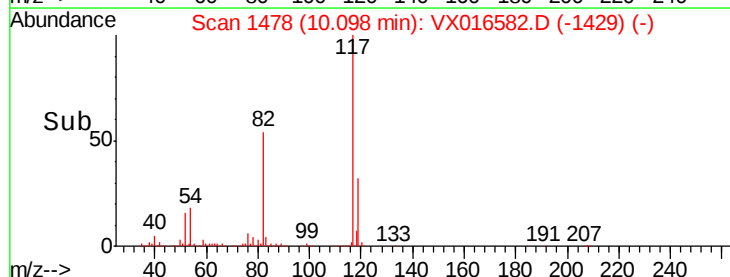
200000

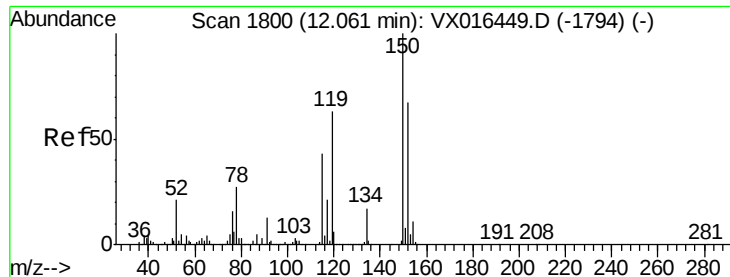
100000

0

10.00 10.10 10.20

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX016582.D

Acq: 04 Jun 2020 15:37

Instrument :

MSVOA_X

ClientSampleId :

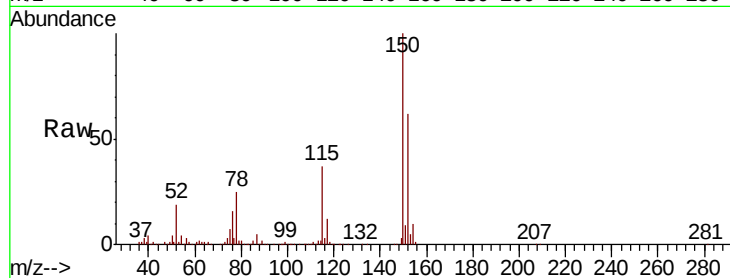
Tot Ion:152 Resp: 199421

Ion Ratio Lower Upper

152 100

115 59.0 39.9 119.6

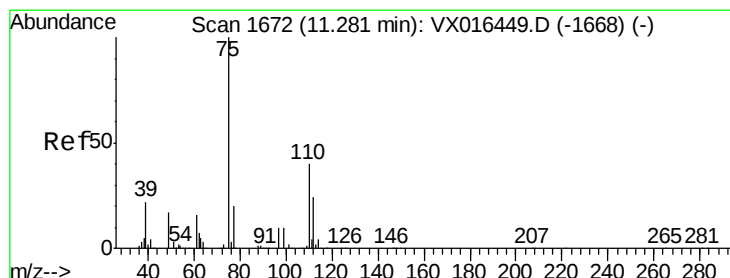
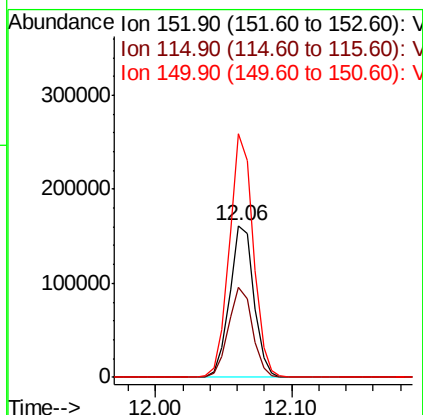
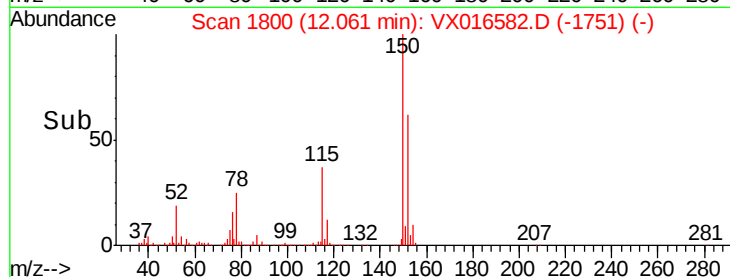
150 158.3 0.0 341.0



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: 22.158 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016582.D

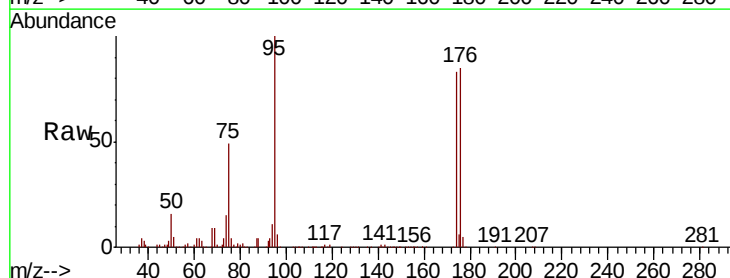
Acq: 04 Jun 2020 15:37

Tgt Ion: 75 Resp: 97127

Ion Ratio Lower Upper

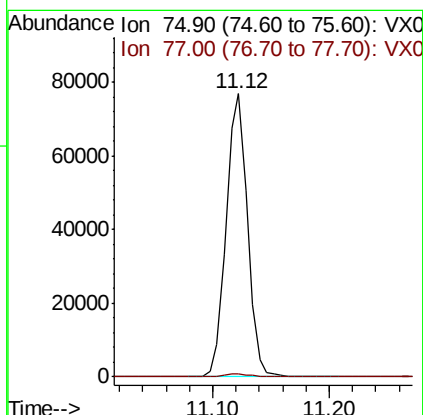
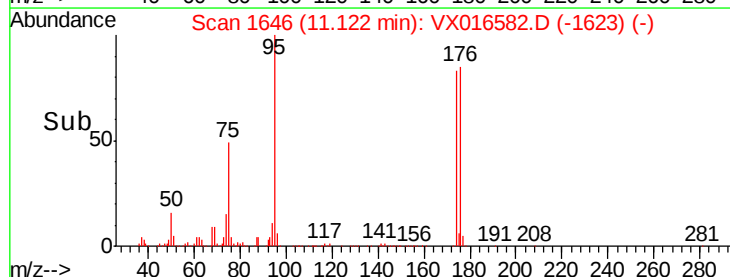
75 100

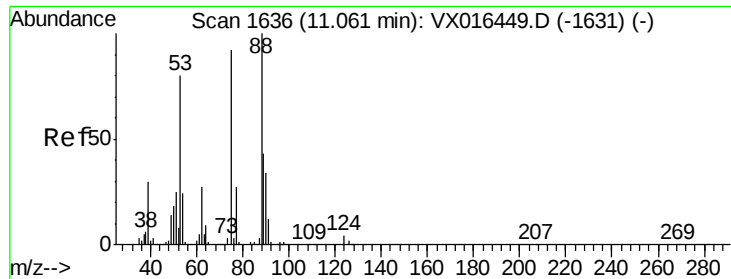
77 1.3 21.3 63.7#



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: 54.505 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX016582.D
 Acq: 04 Jun 2020 15:37

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 97127
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.3 106.9#
 89 0.0 36.6 55.0#

