

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061220\
 Data File : VX016724.D
 Acq On : 12 Jun 2020 13:39
 Operator : JC/SP
 Sample : L2963-20DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 13 04:28:17 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	229707	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	360672	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	365649	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	183939	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	135268	47.42	ug/l	0.00
Spiked Amount			Recovery	=	94.84%	
35) Dibromofluoromethane	5.46	113	112185	50.52	ug/l	0.00
Spiked Amount			Recovery	=	101.04%	
50) Toluene-d8	8.70	98	438021	50.67	ug/l	0.00
Spiked Amount			Recovery	=	101.34%	
62) 4-Bromofluorobenzene	11.12	95	175096	52.42	ug/l	0.00
Spiked Amount			Recovery	=	104.84%	

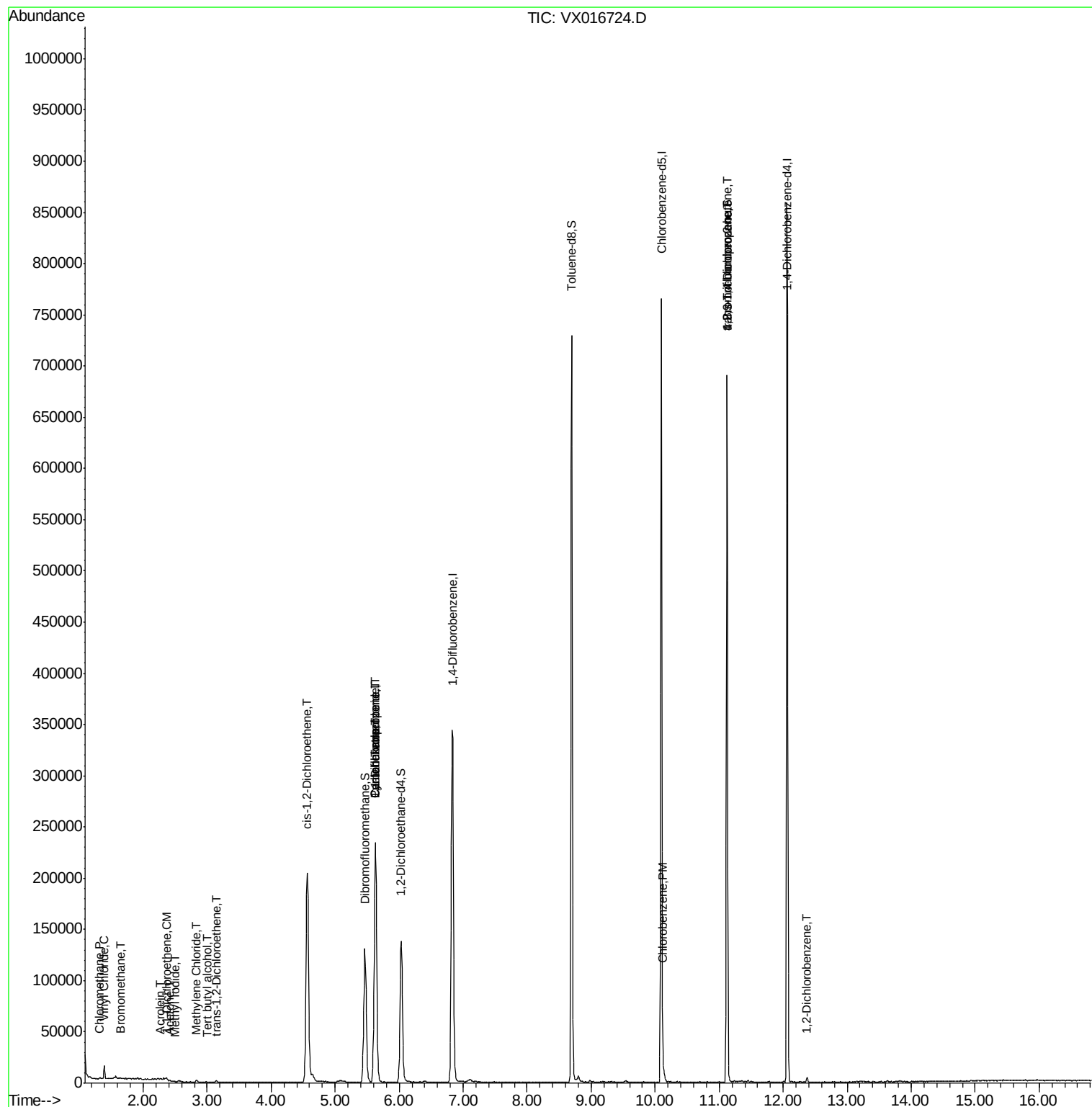
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	560	0.205	ug/l #	77
4) Vinyl Chloride	1.39	62	7303	2.528	ug/l	100
5) Bromomethane	1.64	94	403	0.287	ug/l #	44
10) Methyl Iodide	2.50	142	181	3.123	ug/l #	69
11) Tert butyl alcohol	3.00	59	167	0.228	ug/l #	72
12) 1,1-Dichloroethene	2.36	96	445	0.201	ug/l #	44
13) Acrolein	2.27	56	243	0.781	ug/l #	4
16) Acetone	2.42	43	1022	0.818	ug/l #	83
20) Methylene Chloride	2.83	84	1009	0.390	ug/l	88
21) trans-1,2-Dichloroethene	3.14	96	799	0.327	ug/l	94
27) cis-1,2-Dichloroethene	4.56	96	138745	49.055	ug/l	88
31) Cyclohexane	5.62	56	3935	0.992	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	15622	4.575	ug/l #	52
38) Carbon Tetrachloride	5.63	117	21810	6.077	ug/l #	18
65) Chlorobenzene	10.12	112	4217	0.566	ug/l	93
76) 1,2,3-Trichloropropane	11.12	75	84990	21.021	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	84990	51.709	ug/l #	14
91) 1,2-Dichlorobenzene	12.37	146	1280	0.228	ug/l	97

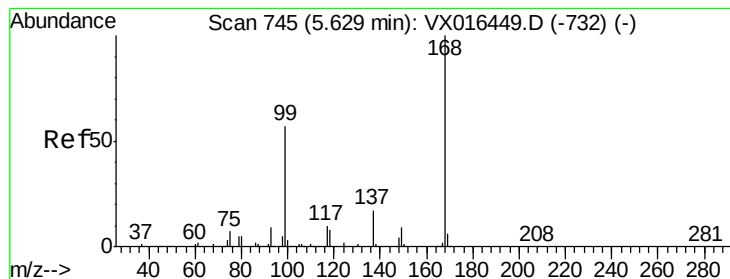
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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: VX016724.D

Acq: 12 Jun 2020 13:39

Instrument :

MSVOA_X

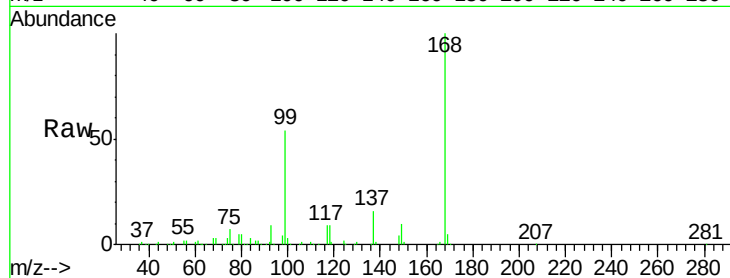
ClientSampleId :

Tot Ion:168 Resp: 229707

Ion Ratio Lower Upper

168 100

99 53.6 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

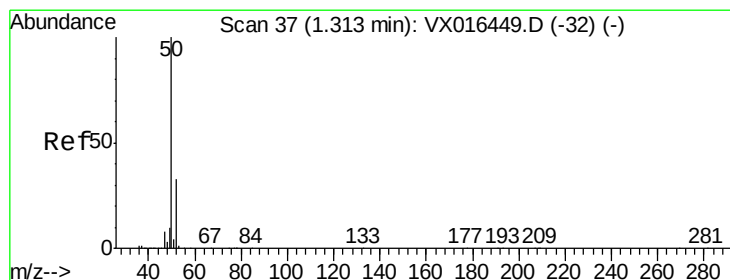
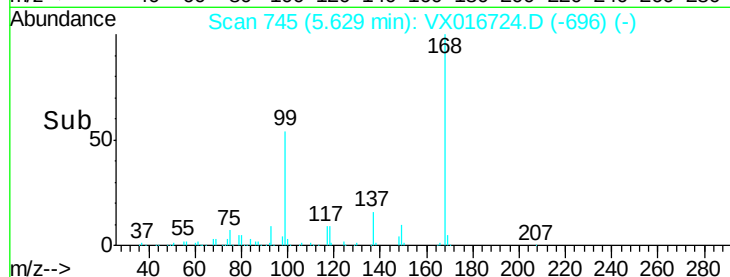
40000

20000

0

Time-->

5.50 5.60 5.70



#3

Chloromethane

Concen: 0.205 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX016724.D

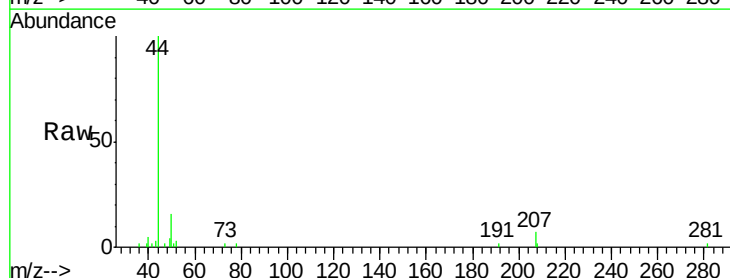
Acq: 12 Jun 2020 13:39

Tgt Ion: 50 Resp: 560

Ion Ratio Lower Upper

50 100

52 19.6 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

600

500

400

300

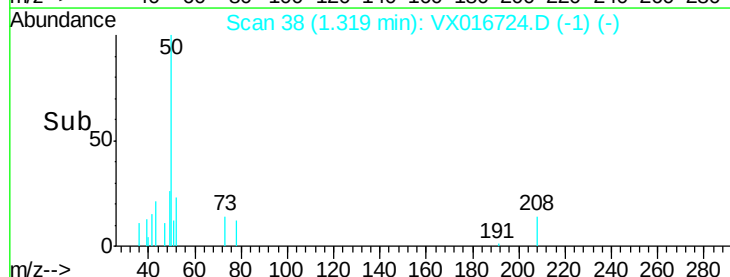
200

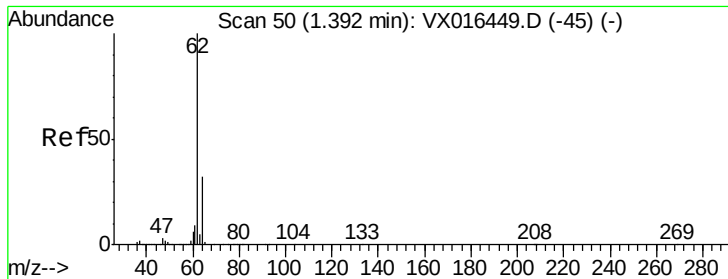
100

0

Time-->

1.28 1.30 1.32 1.34 1.36





#4

Vinyl Chloride

Concen: 2.528 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016724.D

Acq: 12 Jun 2020 13:39

Instrument :

MSVOA_X

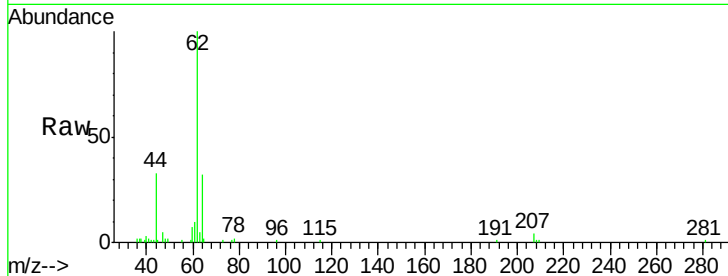
ClientSampleId :

Tot Ion: 62 Resp: 7303

Ion Ratio Lower Upper

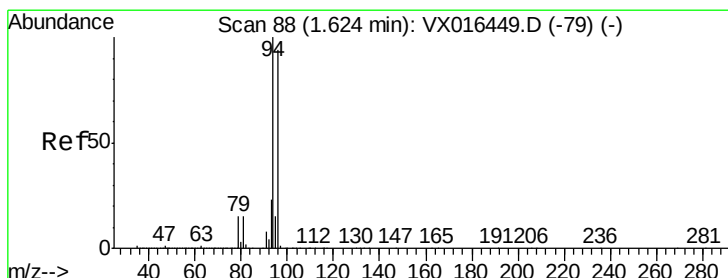
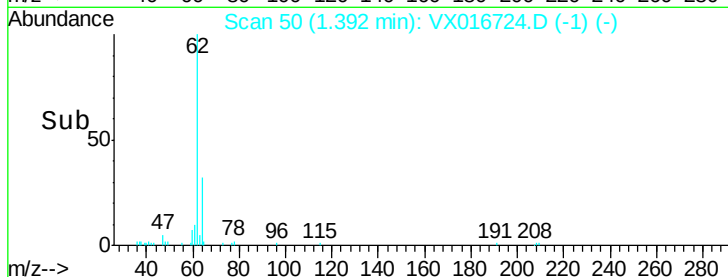
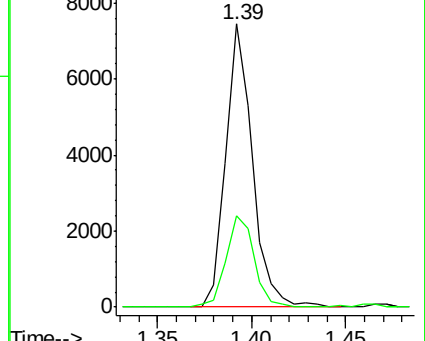
62 100

64 32.4 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: 0.287 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX016724.D

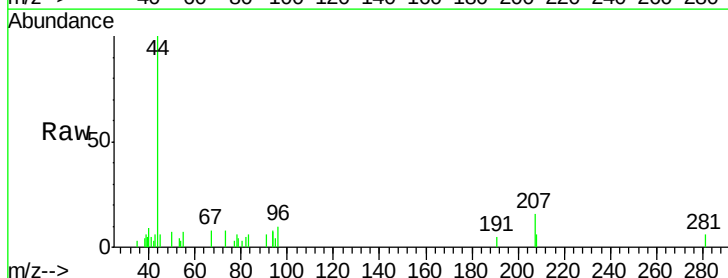
Acq: 12 Jun 2020 13:39

Tgt Ion: 94 Resp: 403

Ion Ratio Lower Upper

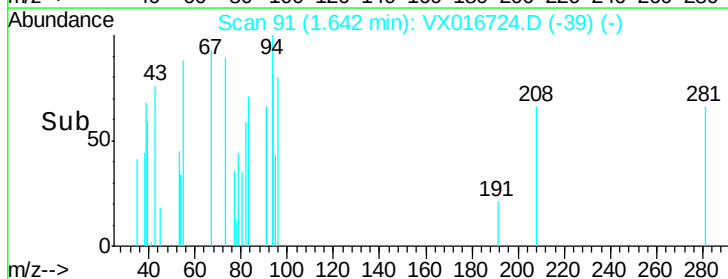
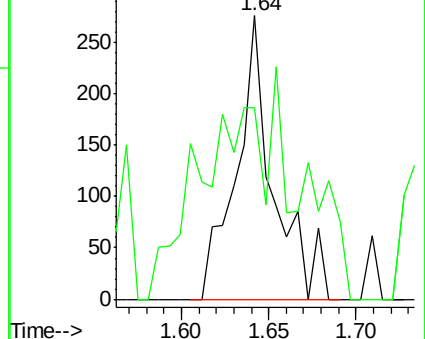
94 100

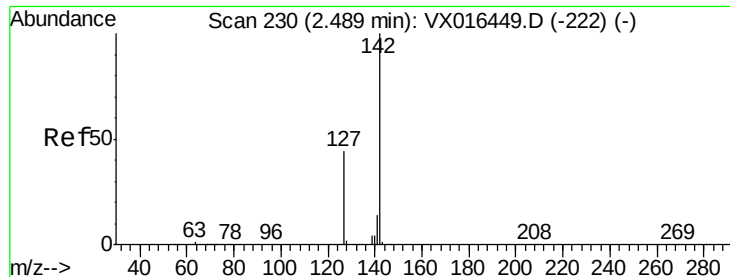
96 39.9 75.1 112.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

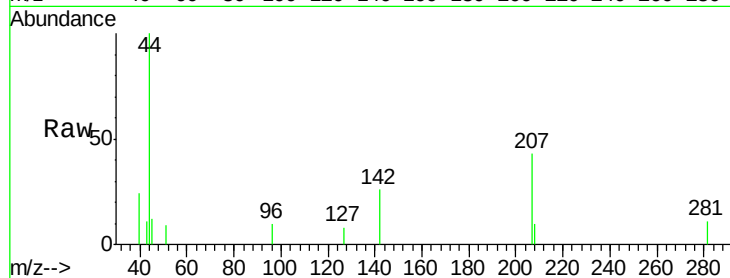




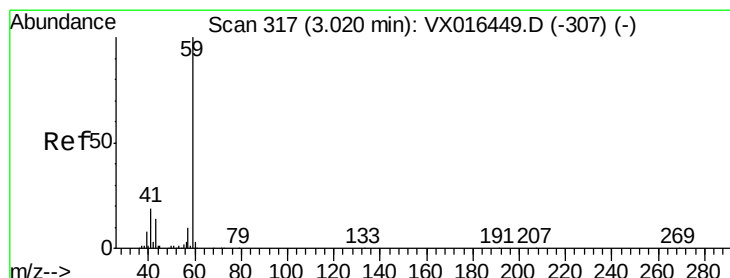
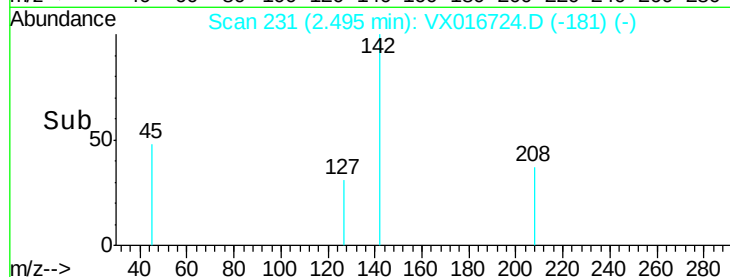
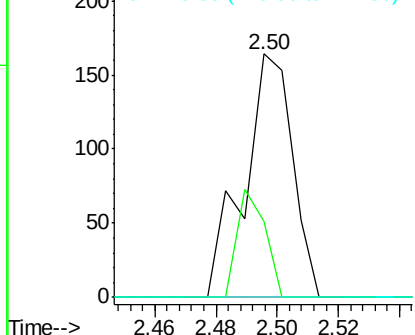
#10
Methyl Iodide
Concen: 3.123 ug/l
RT: 2.50 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX016724.D
Acq: 12 Jun 2020 13:39

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:142 Resp: 181
Ion Ratio Lower Upper
142 100
127 24.9 35.3 52.9#
141 0.0 11.4 17.2#

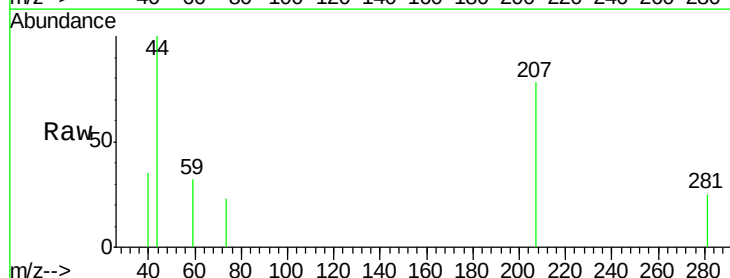


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

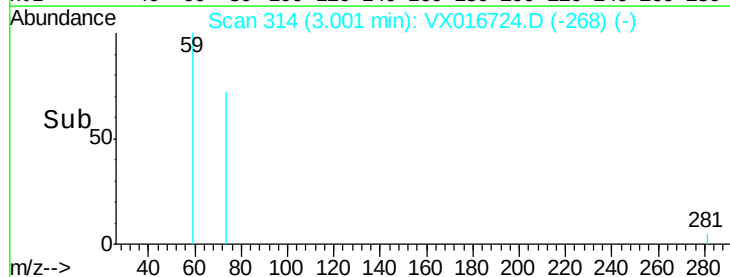
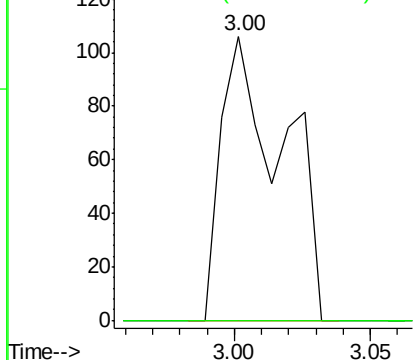


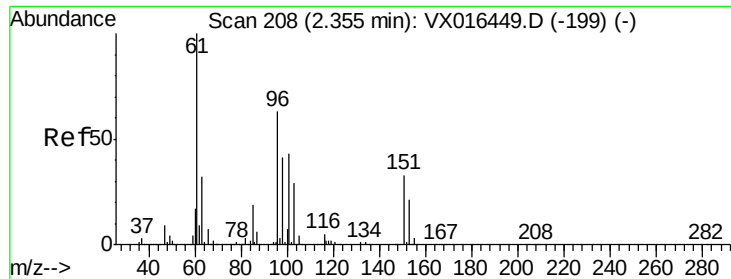
#11
Tert butyl alcohol
Concen: 0.228 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.02 min
Lab File: VX016724.D
Acq: 12 Jun 2020 13:39

Tgt Ion: 59 Resp: 167
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0

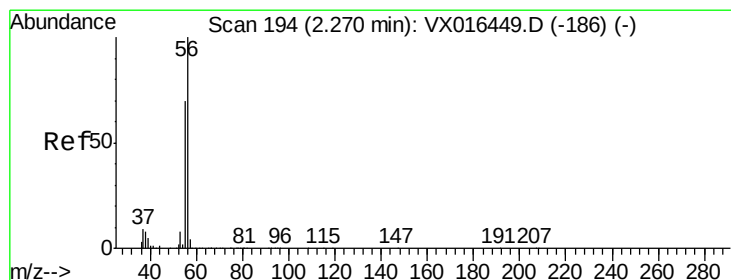
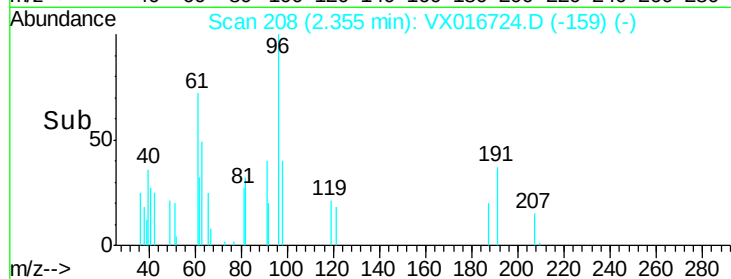
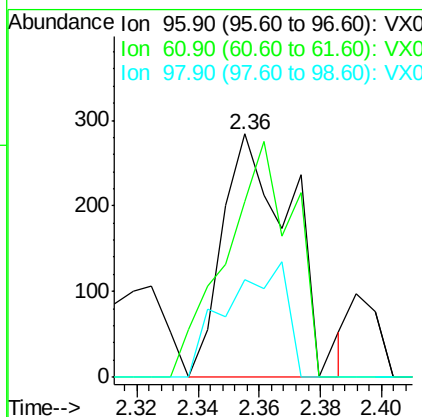
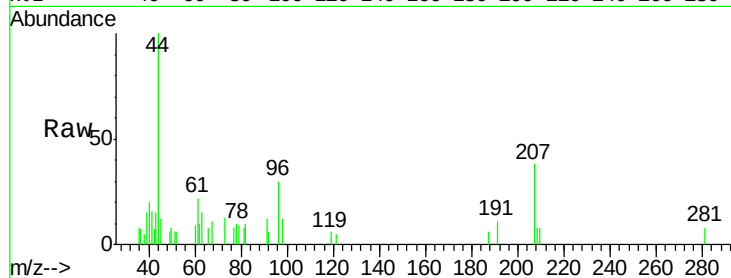




#12
 1,1-Dichloroethene
 Concen: 0.201 ug/l
 RT: 2.36 min Scan# 208
 Delta R.T. -0.00 min
 Lab File: VX016724.D
 Acq: 12 Jun 2020 13:39

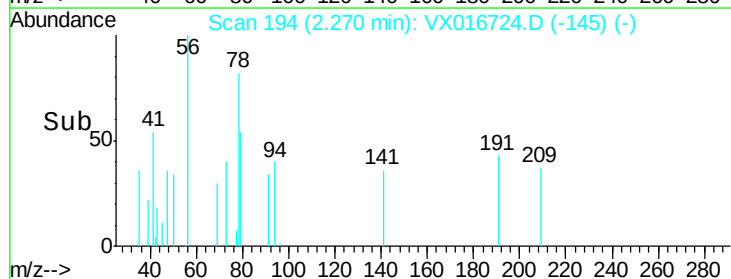
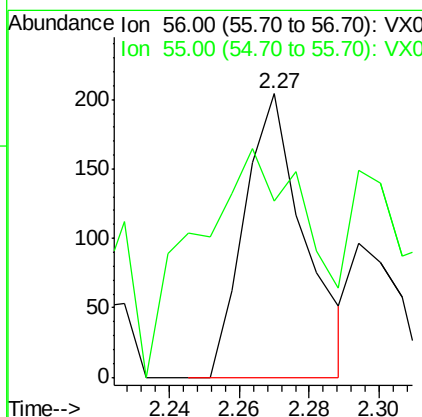
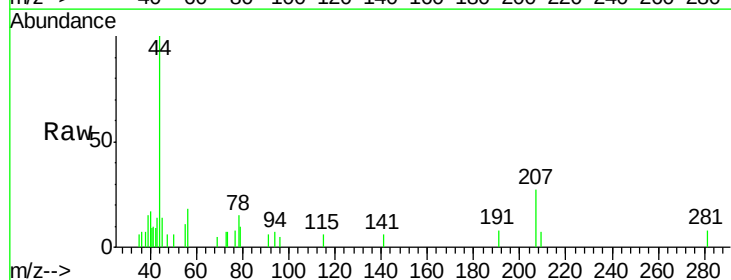
Instrument :
 MSVOA_X
 ClientSampleId :

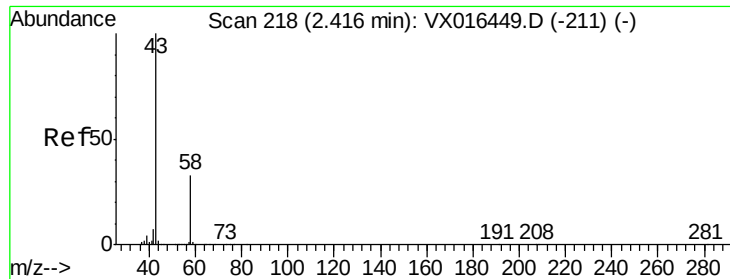
Tot Ion: 96 Resp: 445
 Ion Ratio Lower Upper
 96 100
 61 72.2 126.6 189.8#
 98 39.8 51.3 76.9#



#13
 Acrolein
 Concen: 0.781 ug/l
 RT: 2.27 min Scan# 194
 Delta R.T. -0.00 min
 Lab File: VX016724.D
 Acq: 12 Jun 2020 13:39

Tgt Ion: 56 Resp: 243
 Ion Ratio Lower Upper
 56 100
 55 153.5 58.3 87.5#





#16

Acetone

Concen: 0.818 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX016724.D

Acq: 12 Jun 2020 13:39

Instrument :

MSVOA_X

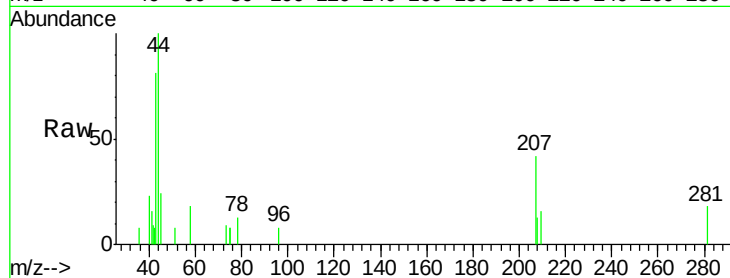
ClientSampleId :

Tot Ion: 43 Resp: 1022

Ion Ratio Lower Upper

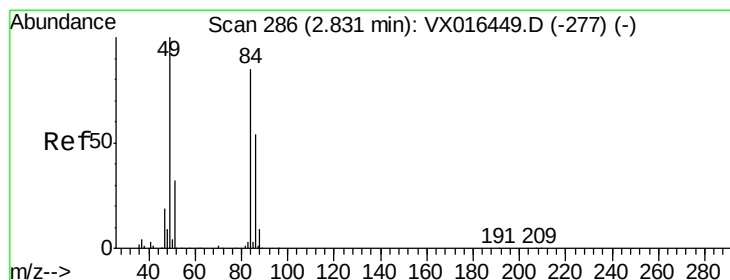
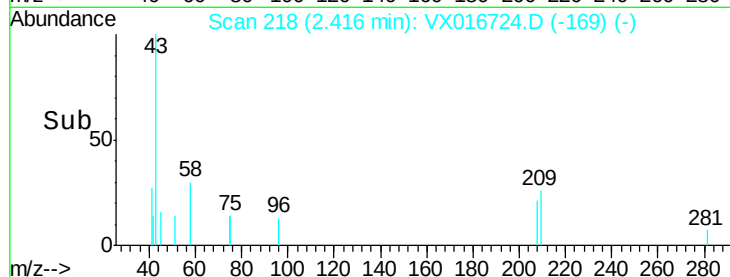
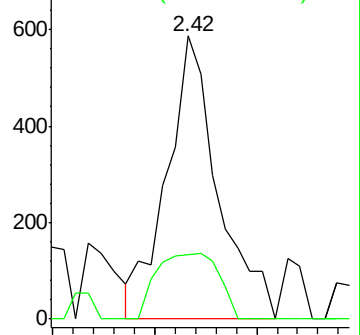
43 100

58 22.8 26.1 39.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: 0.390 ug/l

RT: 2.83 min Scan# 286

Delta R.T. -0.00 min

Lab File: VX016724.D

Acq: 12 Jun 2020 13:39

Tgt Ion: 84 Resp: 1009

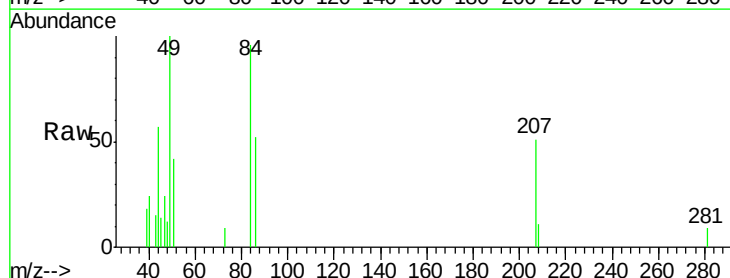
Ion Ratio Lower Upper

84 100

49 104.6 94.5 141.7

51 44.3 30.2 45.4

86 54.1 51.1 76.7

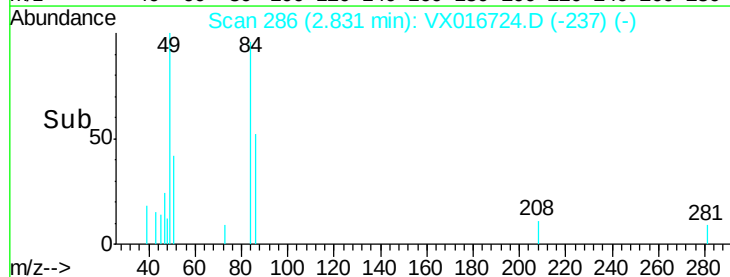
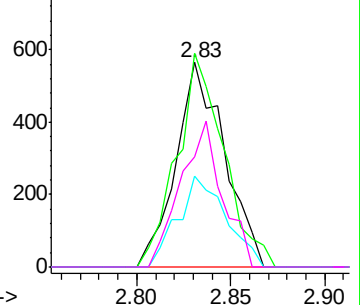


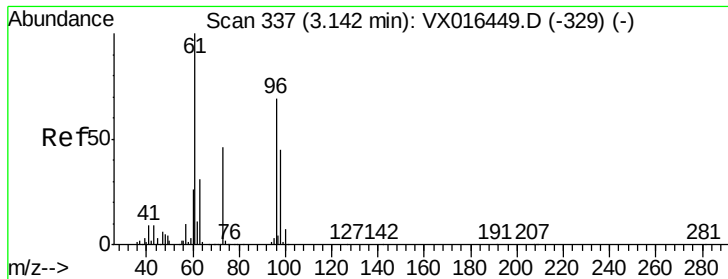
Abundance Ion 83.90 (83.60 to 84.60): VX0

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





#21

trans-1,2-Dichloroethene

Concen: 0.327 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX016724.D

Acq: 12 Jun 2020 13:39

Instrument :

MSVOA_X

ClientSampleId :

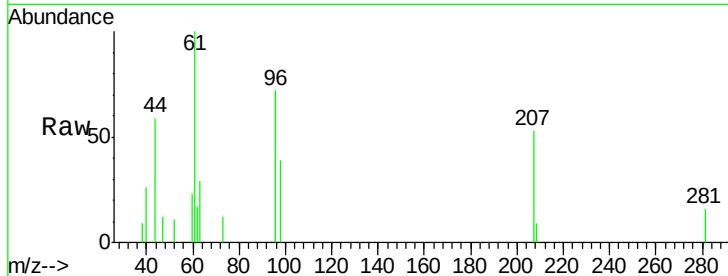
Tot Ion: 96 Resp: 799

Ion Ratio Lower Upper

96 100

61 139.8 115.3 172.9

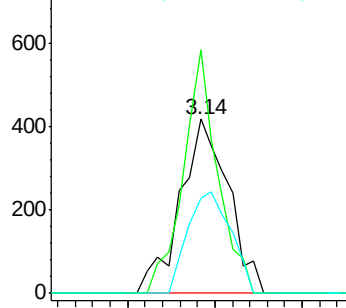
98 54.9 51.9 77.9



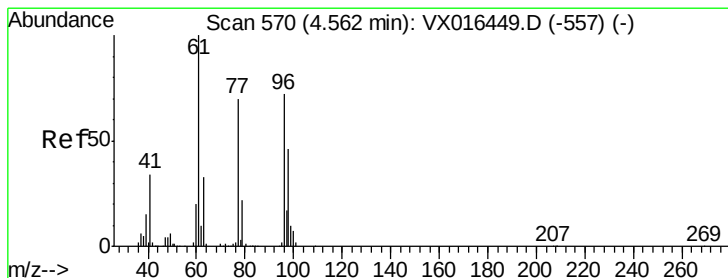
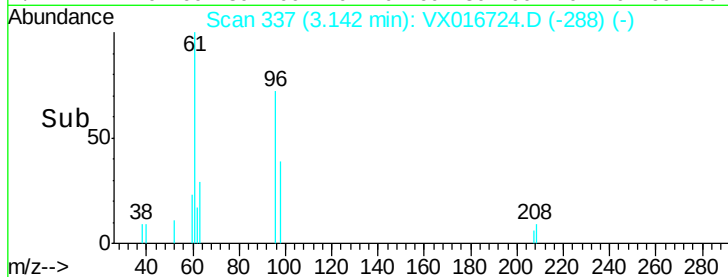
Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



Time-->



#27

cis-1,2-Dichloroethene

Concen: 49.055 ug/l

RT: 4.56 min Scan# 570

Delta R.T. -0.00 min

Lab File: VX016724.D

Acq: 12 Jun 2020 13:39

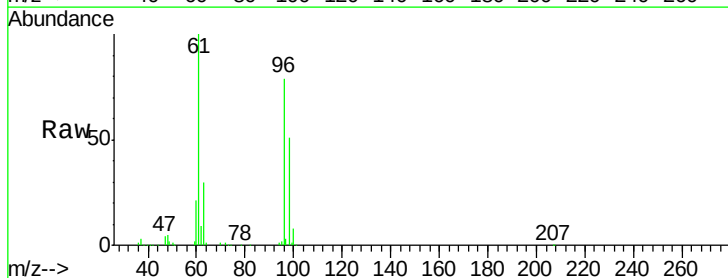
Tgt Ion: 96 Resp: 138745

Ion Ratio Lower Upper

96 100

61 121.7 0.0 284.6

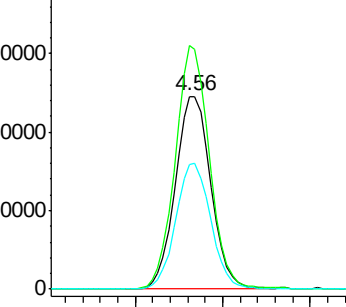
98 64.3 0.0 127.2



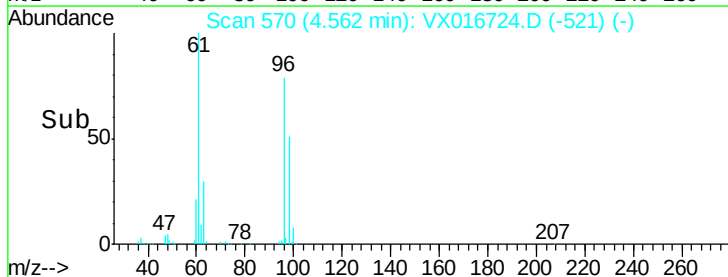
Abundance Ion 95.90 (95.60 to 96.60): VX0

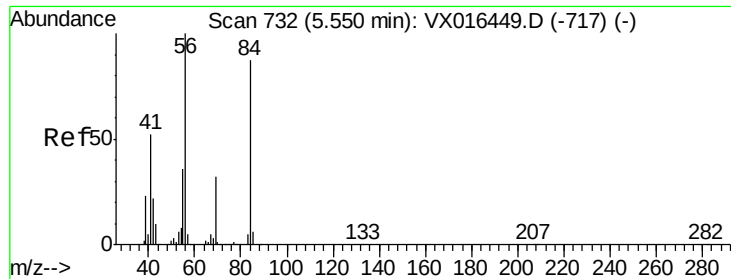
Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



Time-->





#31

Cyclohexane

Concen: 0.992 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.07 min

Lab File: VX016724.D

Acq: 12 Jun 2020 13:39

Instrument :

MSVOA_X

ClientSampleId :

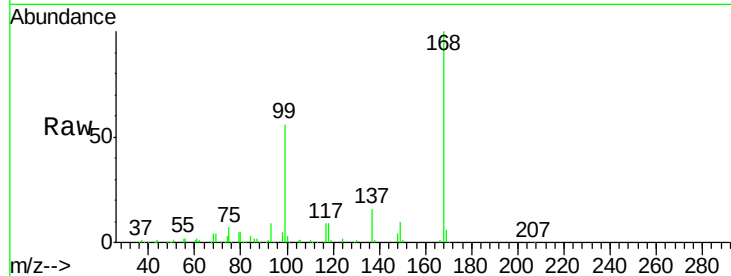
Tot Ion: 56 Resp: 3935

Ion Ratio Lower Upper

56 100

69 202.5 25.7 38.5#

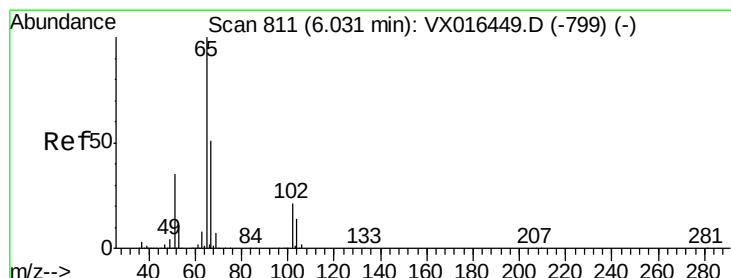
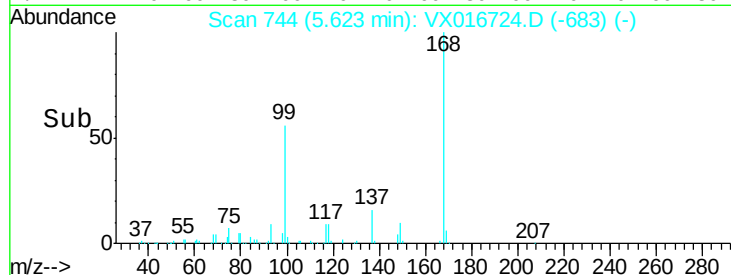
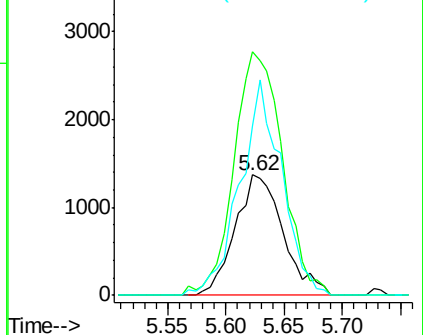
84 141.0 70.0 105.0#



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: 47.418 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016724.D

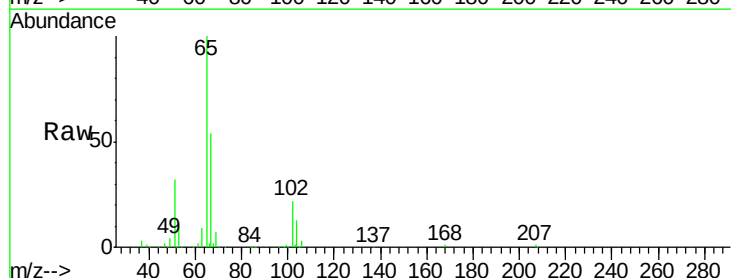
Acq: 12 Jun 2020 13:39

Tgt Ion: 65 Resp: 135268

Ion Ratio Lower Upper

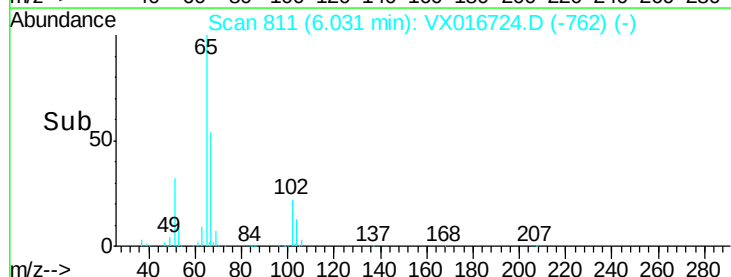
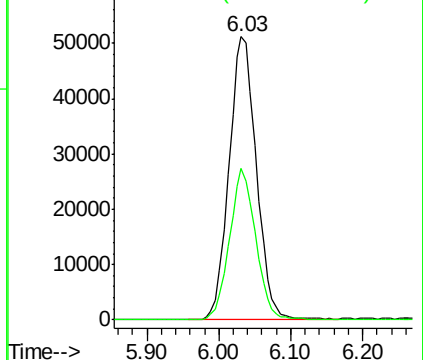
65 100

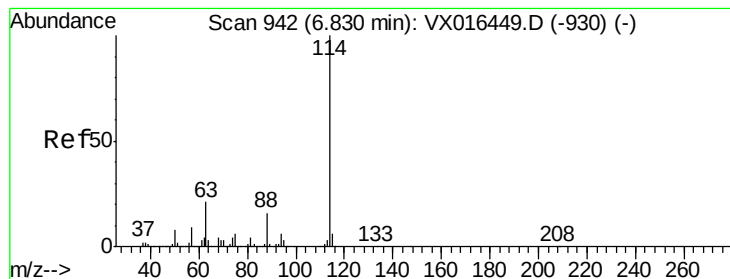
67 51.3 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016724.D

Acq: 12 Jun 2020 13:39

Instrument :

MSVOA_X

ClientSampleId :

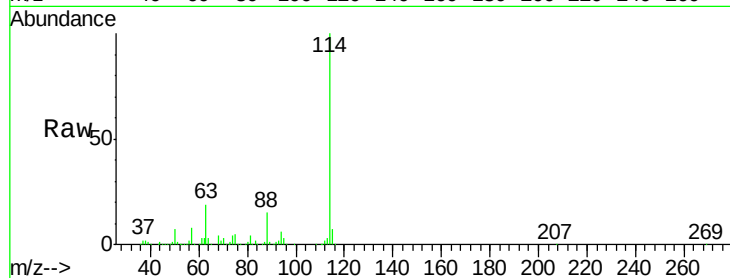
Tot Ion:114 Resp: 360672

Ion Ratio Lower Upper

114 100

63 18.9 0.0 42.6

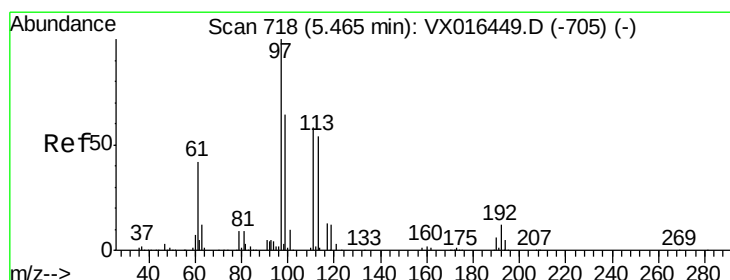
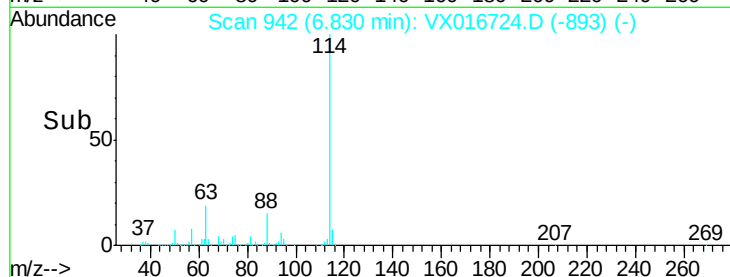
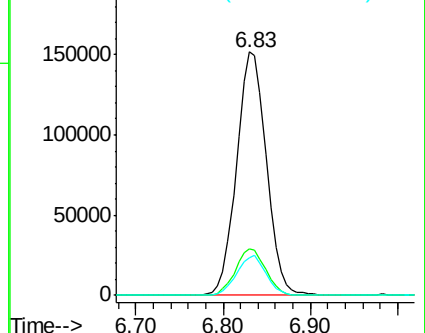
88 15.4 0.0 32.8



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: 50.515 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX016724.D

Acq: 12 Jun 2020 13:39

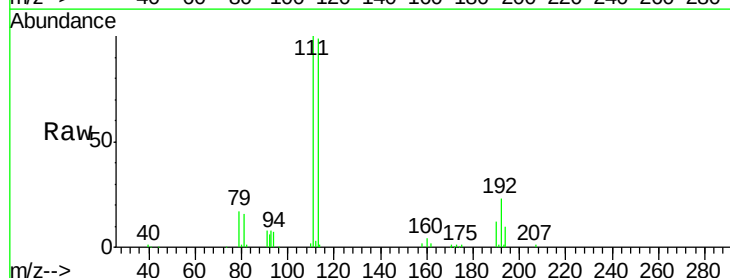
Tgt Ion:113 Resp: 112185

Ion Ratio Lower Upper

113 100

111 102.0 83.0 124.6

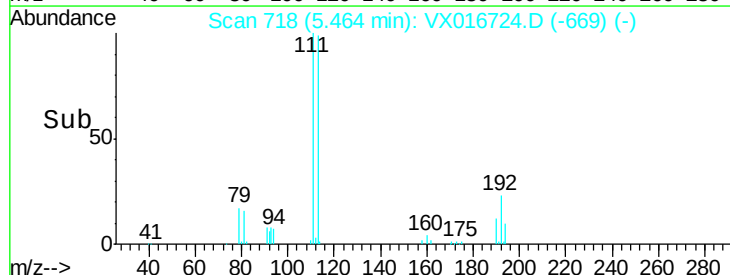
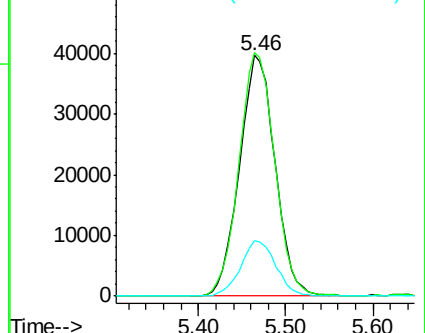
192 22.9 17.7 26.5

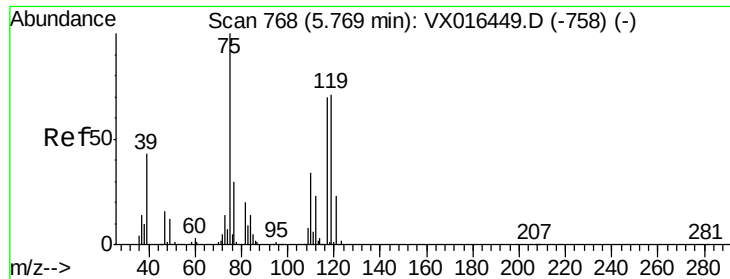


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

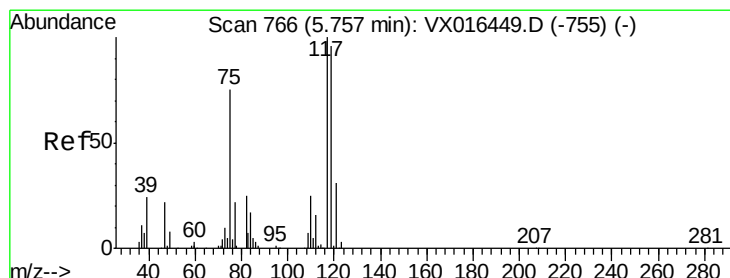
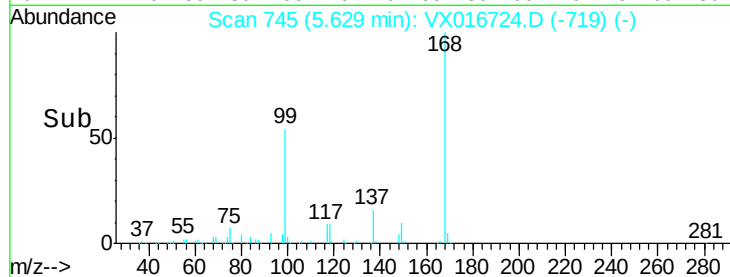
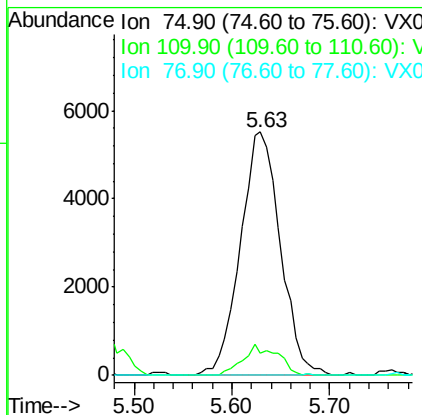
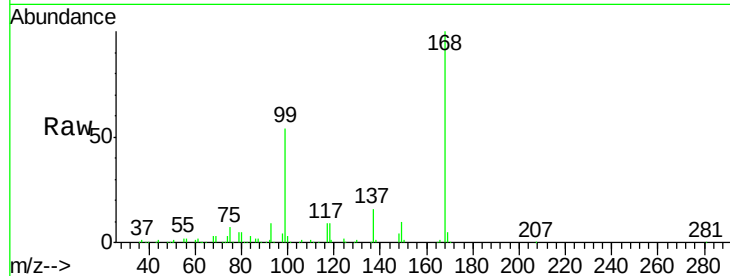




#36
 1,1-Dichloropropene
 Concen: 4.575 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX016724.D
 Acq: 12 Jun 2020 13:39

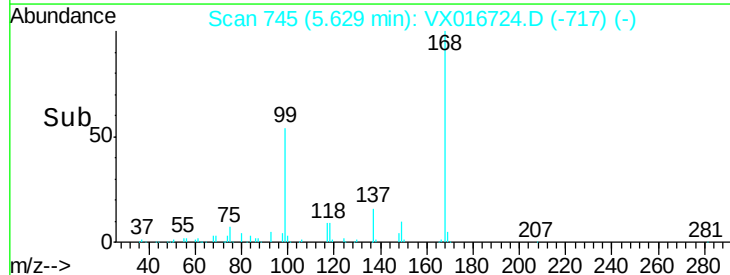
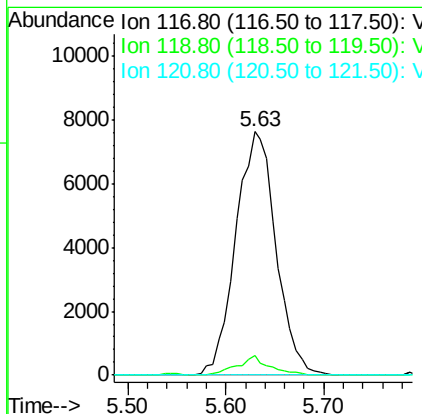
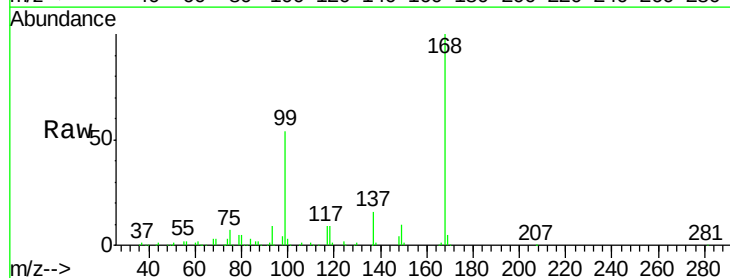
Instrument :
 MSVOA_X
 ClientSampleId :

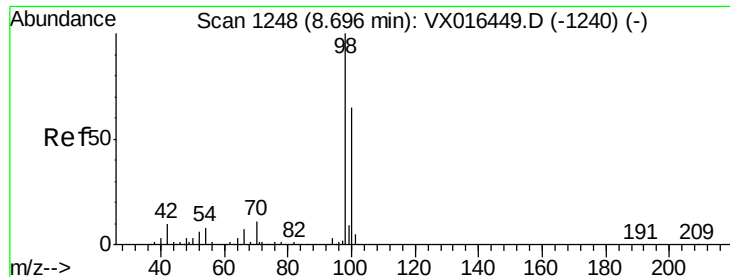
Tot Ion: 75 Resp: 15622
 Ion Ratio Lower Upper
 75 100
 110 11.0 17.4 52.3#
 77 0.0 24.2 36.4#



#38
 Carbon Tetrachloride
 Concen: 6.077 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.13 min
 Lab File: VX016724.D
 Acq: 12 Jun 2020 13:39

Tgt Ion: 117 Resp: 21810
 Ion Ratio Lower Upper
 117 100
 119 7.8 76.3 114.5#
 121 0.0 24.6 37.0#





#50

Toluene-d8

Concen: 50.674 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016724.D

Acq: 12 Jun 2020 13:39

Instrument :

MSVOA_X

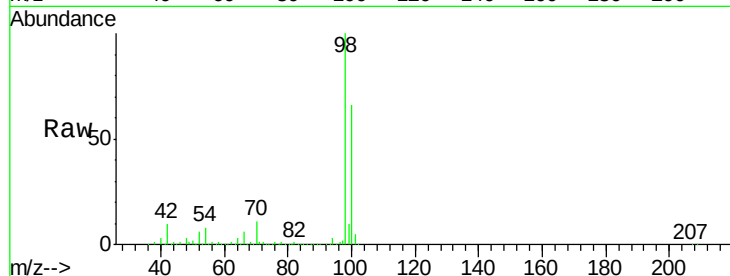
ClientSampleId :

Tot Ion: 98 Resp: 438021

Ion Ratio Lower Upper

98 100

100 66.0 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.70

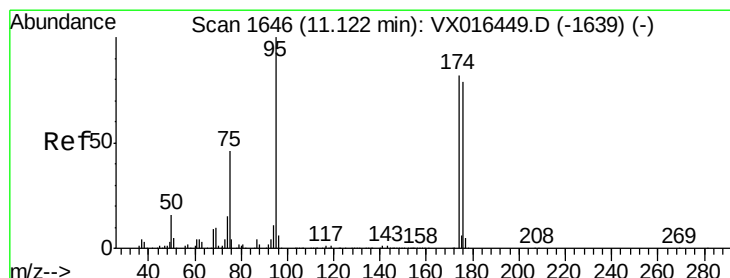
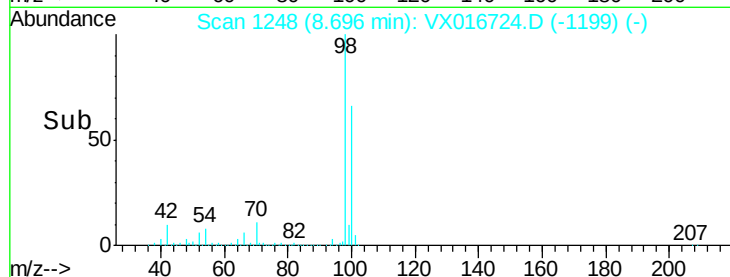
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 52.424 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016724.D

Acq: 12 Jun 2020 13:39

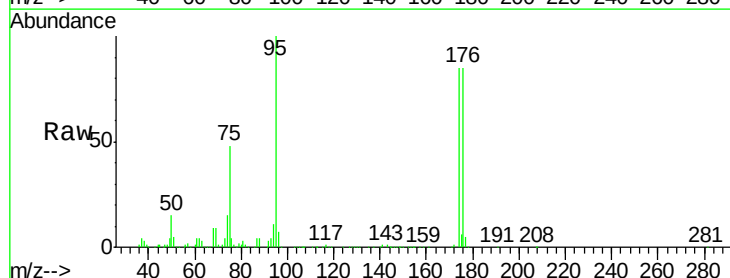
Tgt Ion: 95 Resp: 175096

Ion Ratio Lower Upper

95 100

174 87.2 0.0 163.0

176 83.7 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

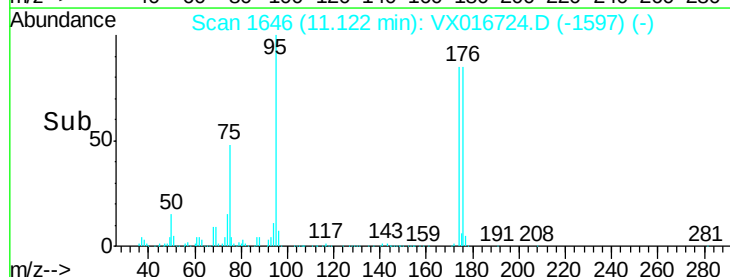
150000

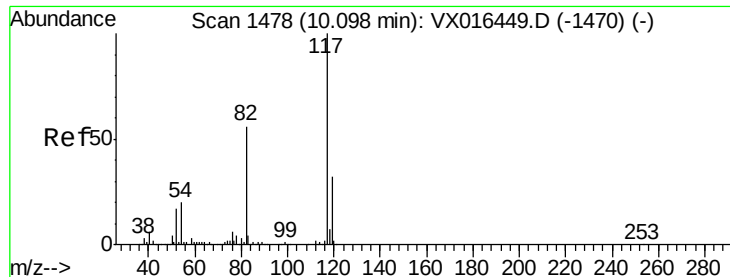
100000

50000

0

Time-->

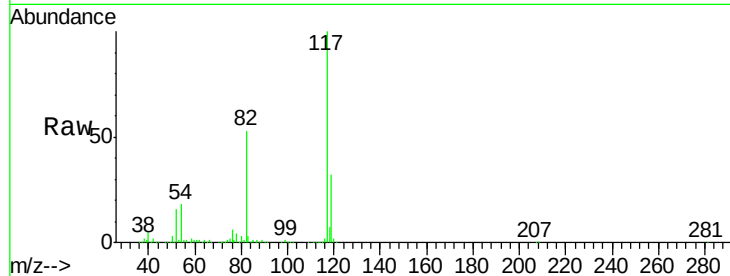




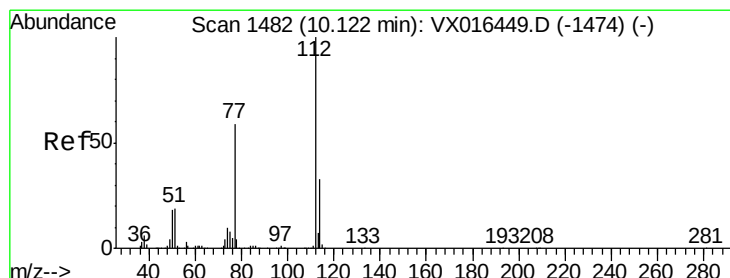
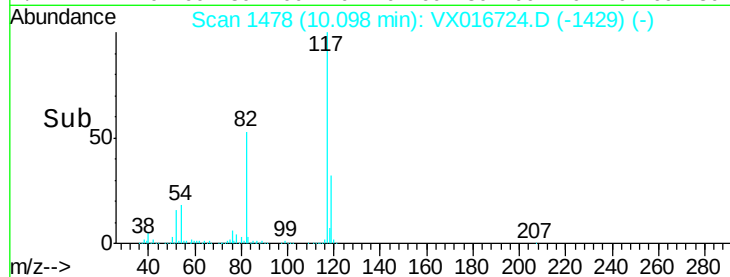
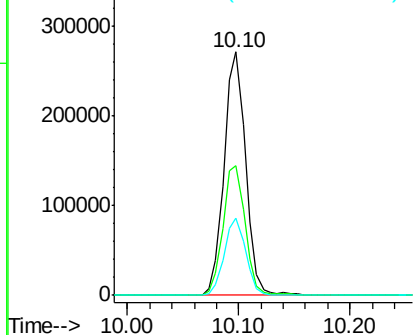
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016724.D
Acq: 12 Jun 2020 13:39

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 365649
Ion Ratio Lower Upper
117 100
82 53.3 45.0 67.6
119 31.7 25.8 38.8

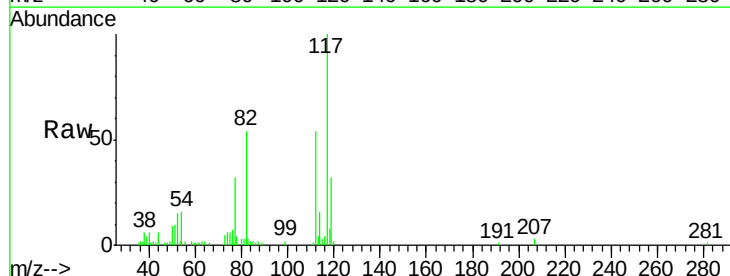


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

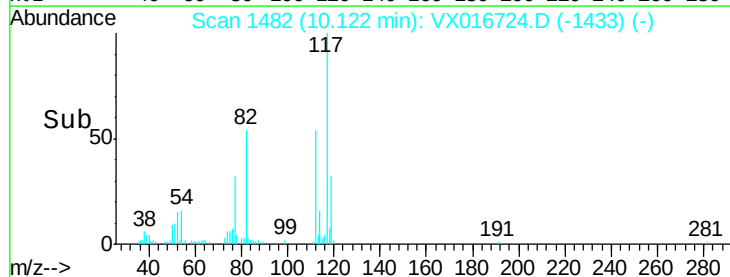
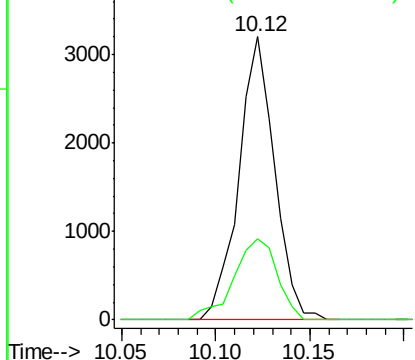


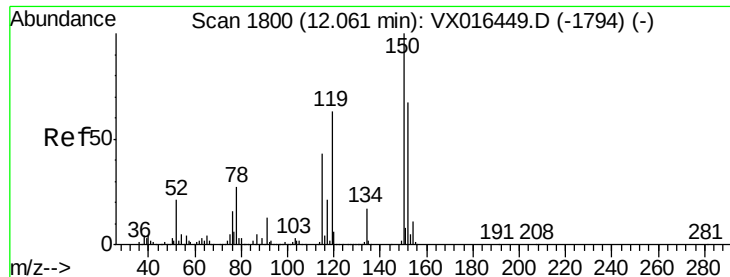
#65
Chlorobenzene
Concen: 0.566 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX016724.D
Acq: 12 Jun 2020 13:39

Tgt Ion:112 Resp: 4217
Ion Ratio Lower Upper
112 100
114 28.8 26.0 39.0



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): 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: VX016724.D

Acq: 12 Jun 2020 13:39

Instrument :

MSVOA_X

ClientSampleId :

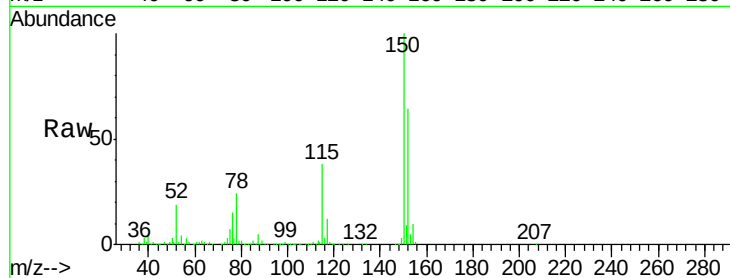
Tot Ion:152 Resp: 183939

Ion Ratio Lower Upper

152 100

115 58.9 39.9 119.6

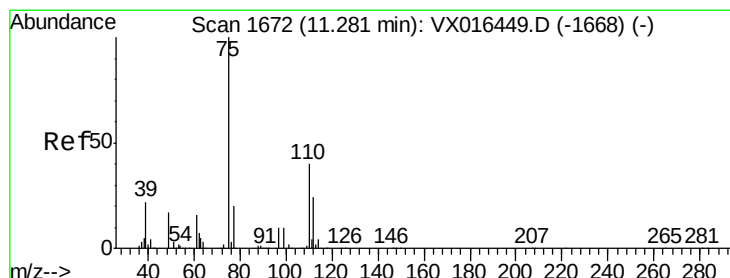
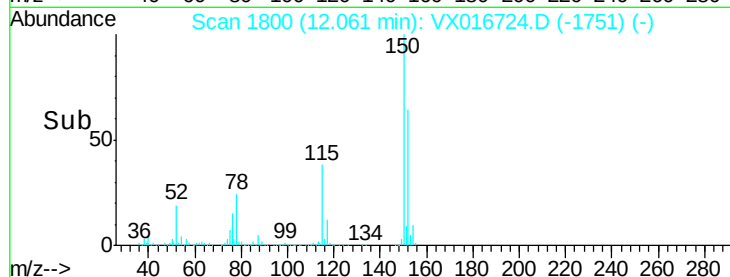
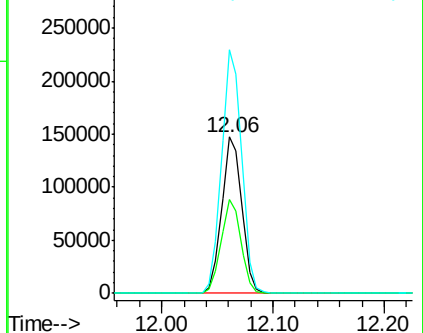
150 155.9 0.0 341.0



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: 21.021 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016724.D

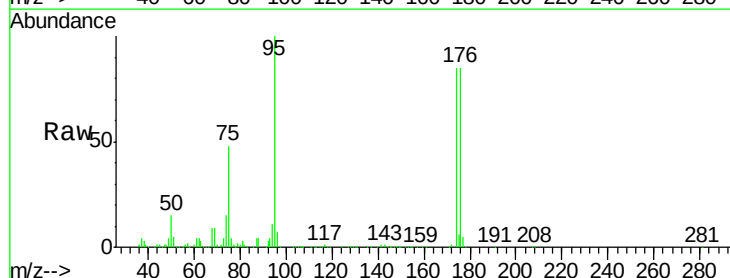
Acq: 12 Jun 2020 13:39

Tgt Ion: 75 Resp: 84990

Ion Ratio Lower Upper

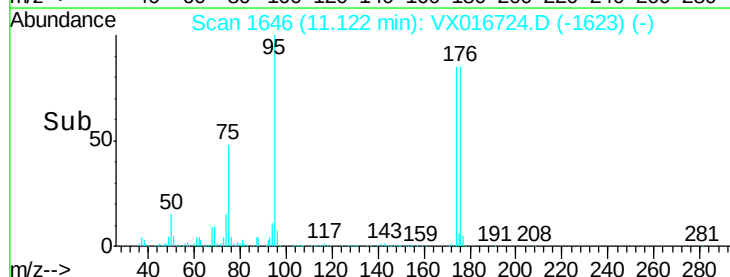
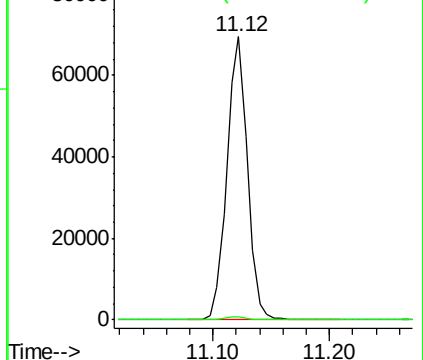
75 100

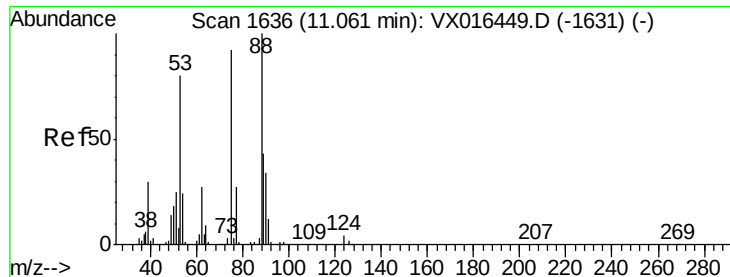
77 1.4 21.3 63.7#



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: 51.709 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016724.D

Acq: 12 Jun 2020 13:39

Instrument :

MSVOA_X

ClientSampleId :

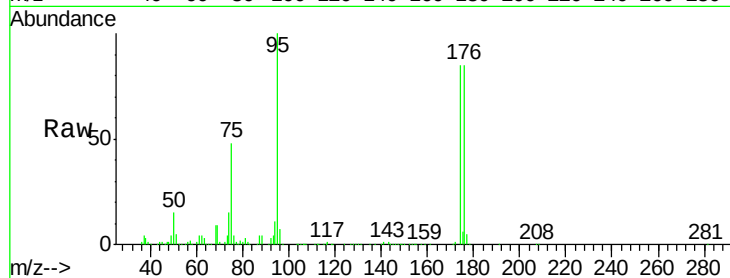
Tot Ion: 75 Resp: 84990

Ion Ratio Lower Upper

75 100

53 0.1 71.3 106.9#

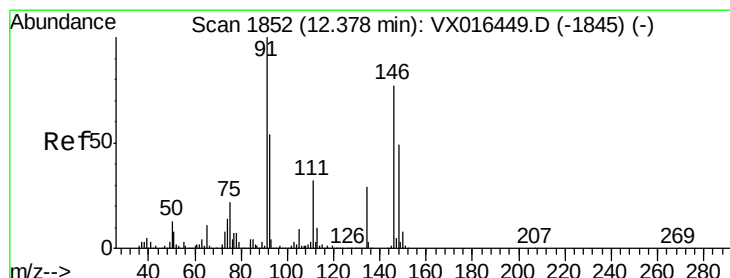
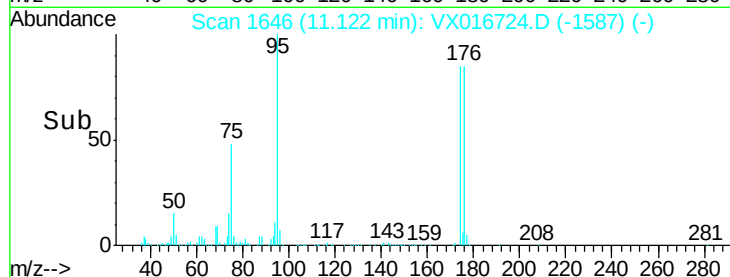
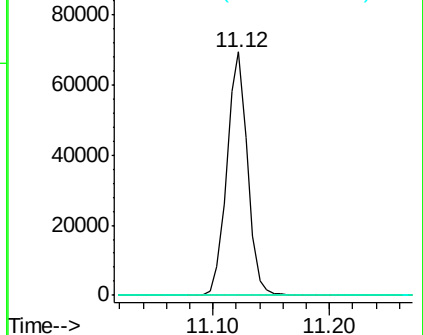
89 0.0 36.6 55.0#



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



#91

1,2-Dichlorobenzene

Concen: 0.228 ug/l

RT: 12.37 min Scan# 1851

Delta R.T. -0.01 min

Lab File: VX016724.D

Acq: 12 Jun 2020 13:39

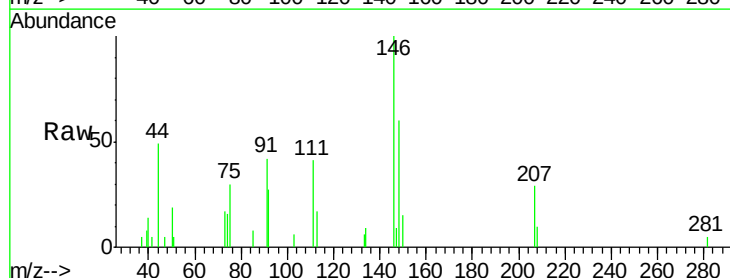
Tgt Ion: 146 Resp: 1280

Ion Ratio Lower Upper

146 100

111 44.8 21.4 64.3

148 61.6 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

