

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052220\
 Data File : VX016412.D
 Acq On : 22 May 2020 15:14
 Operator : JC/SP
 Sample : L2743-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 23 01:37:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	207325	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	338898	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	335460	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	166649	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	117025	42.89	ug/l	0.00
Spiked Amount			Recovery	=	85.78%	
35) Dibromofluoromethane	5.47	113	97784	45.54	ug/l	0.00
Spiked Amount			Recovery	=	91.08%	
50) Toluene-d8	8.70	98	410266	49.59	ug/l	0.00
Spiked Amount			Recovery	=	99.18%	
62) 4-Bromofluorobenzene	11.12	95	164778	52.37	ug/l	0.00
Spiked Amount			Recovery	=	104.74%	

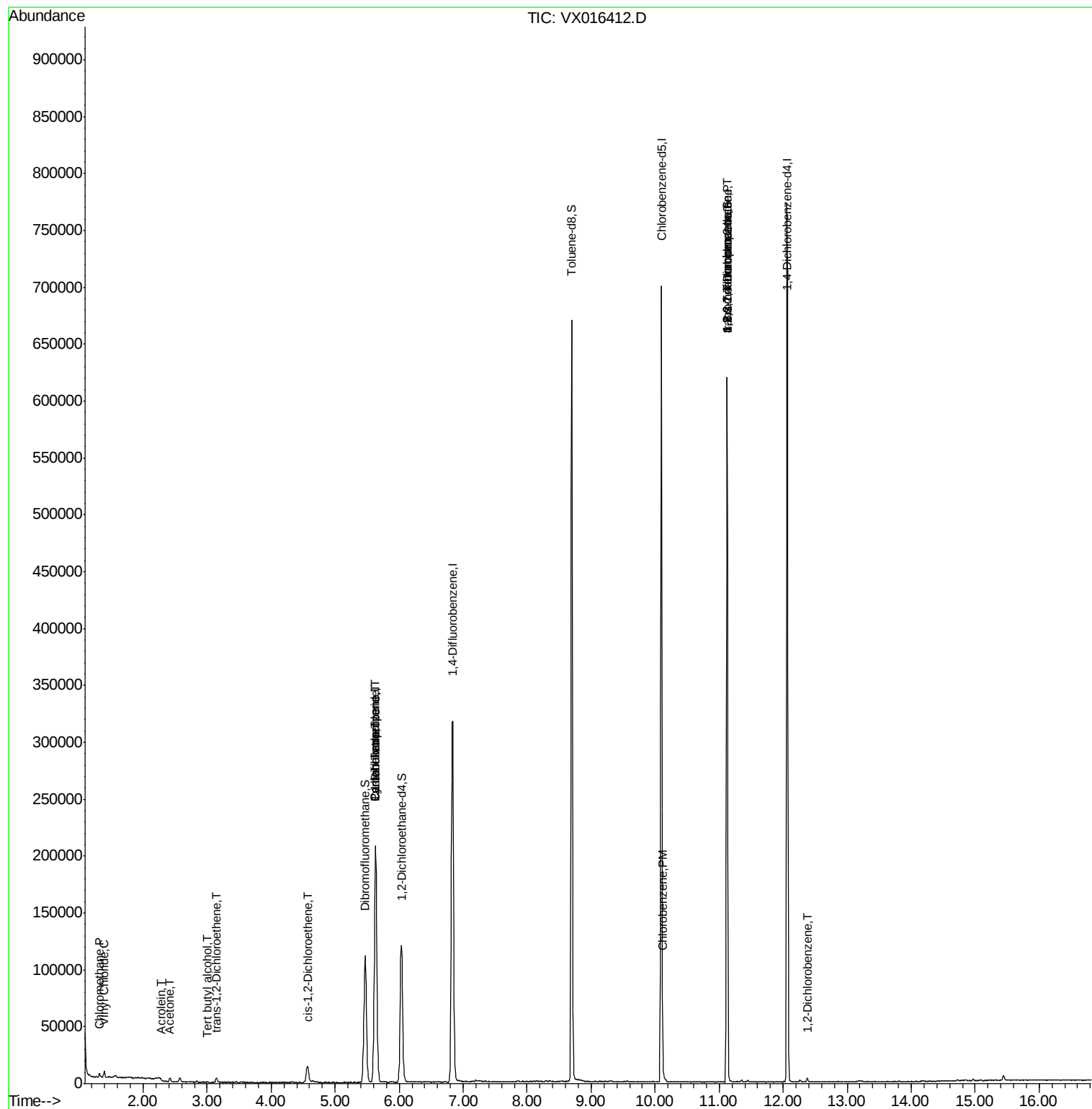
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1828	0.717	ug/l	98
4) Vinyl Chloride	1.39	62	3515	1.293	ug/l	97
11) Tert butyl alcohol	3.00	59	165	0.239	ug/l #	72
13) Acrolein	2.28	56	207	0.479	ug/l #	14
16) Acetone	2.42	43	3261	2.679	ug/l	99
17) Carbon Disulfide	2.56	76	590	Below Cal	#	55
21) trans-1,2-Dichloroethene	3.14	96	1985	0.827	ug/l #	78
27) cis-1,2-Dichloroethene	4.56	96	9902	3.771	ug/l	84
31) Cyclohexane	5.63	56	3522	0.929	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	14343	4.299	ug/l #	49
38) Carbon Tetrachloride	5.63	117	19512	5.754	ug/l #	15
65) Chlorobenzene	10.12	112	1507	0.215	ug/l	89
75) 1,1,2,2-Tetrachloroethane	11.13	83	97	2.092	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	78547	20.771	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	78547	49.498	ug/l #	13
91) 1,2-Dichlorobenzene	12.37	146	1317	0.243	ug/l	94

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

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX016412.D

Acq: 22 May 2020 15:14

Instrument :

MSVOA_X

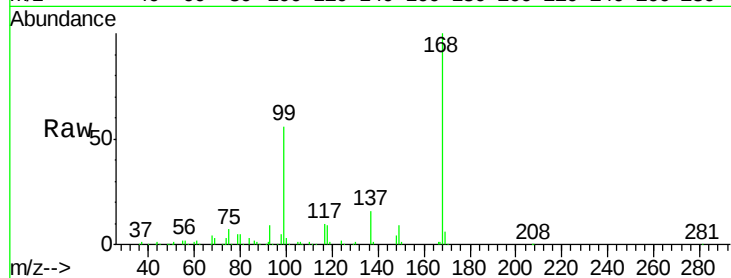
ClientSampleId :

Tot Ion:168 Resp: 207325

Ion Ratio Lower Upper

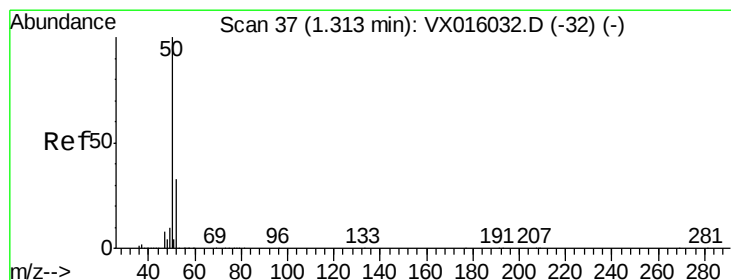
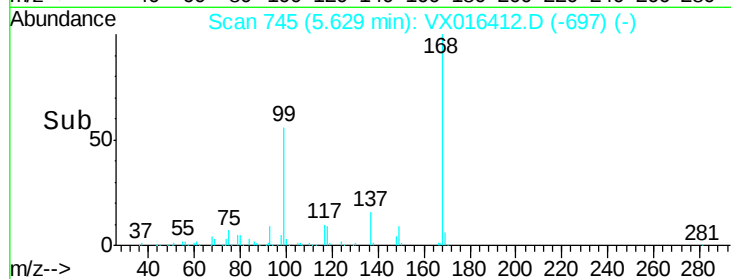
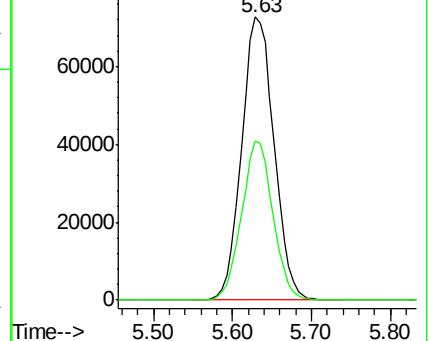
168 100

99 56.2 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.717 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016412.D

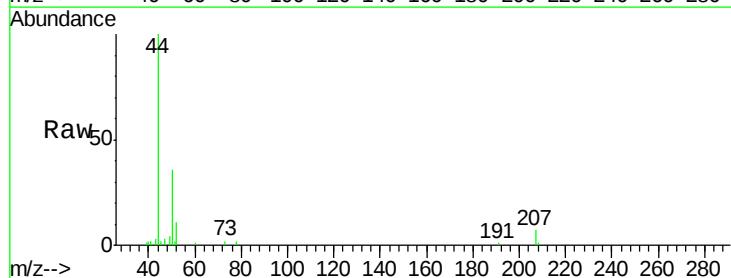
Acq: 22 May 2020 15:14

Tgt Ion: 50 Resp: 1828

Ion Ratio Lower Upper

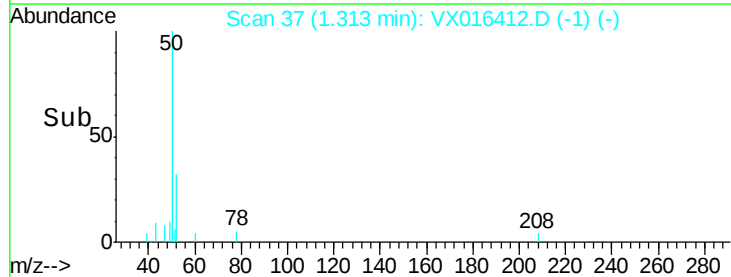
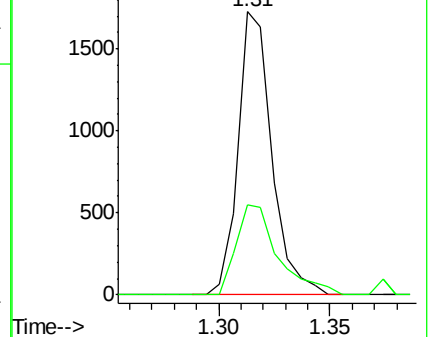
50 100

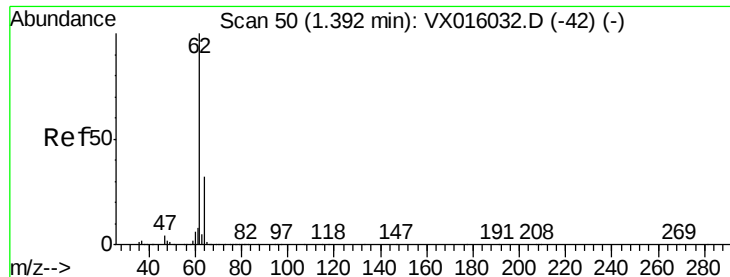
52 31.6 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 1.293 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016412.D

Acq: 22 May 2020 15:14

Instrument :

MSVOA_X

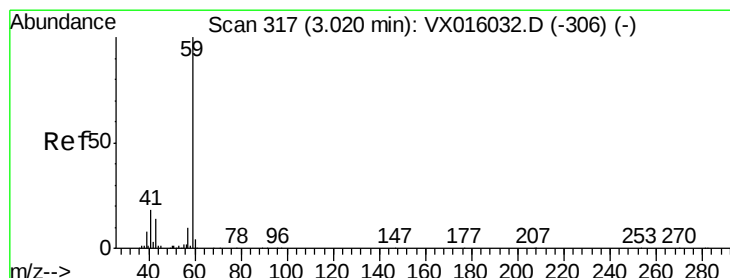
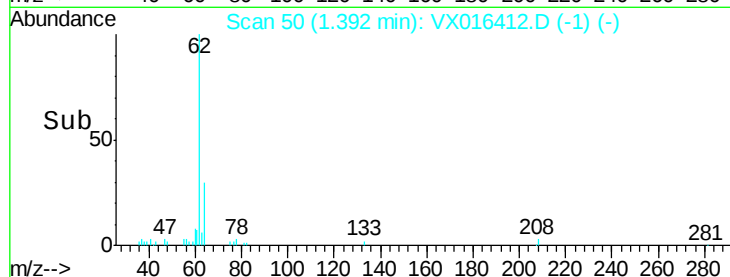
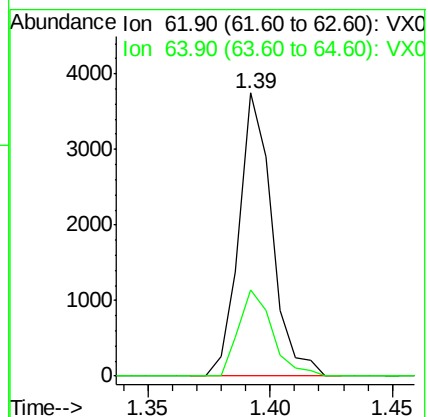
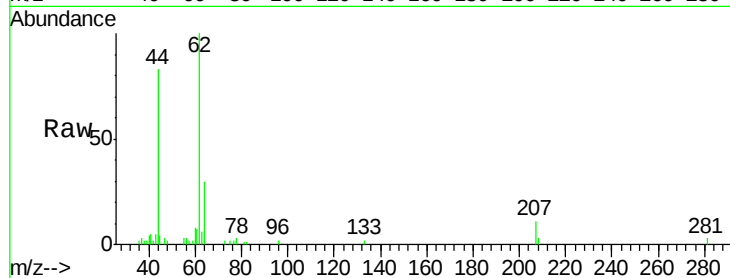
ClientSampled :

Tot Ion: 62 Resp: 3515

Ion Ratio Lower Upper

62 100

64 30.5 25.7 38.5



#11

Tert butyl alcohol

Concen: 0.239 ug/l

RT: 3.00 min Scan# 313

Delta R.T. -0.02 min

Lab File: VX016412.D

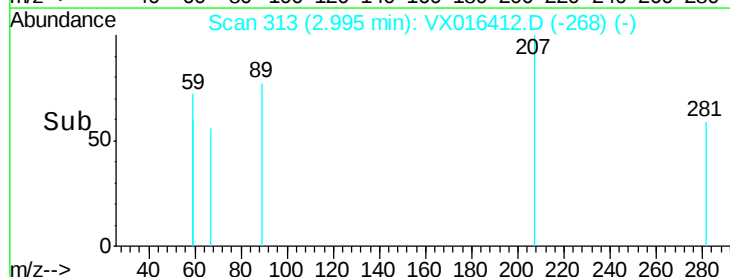
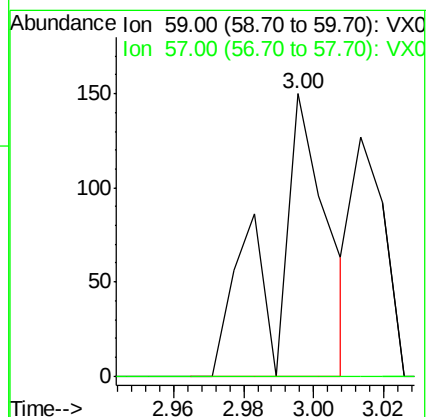
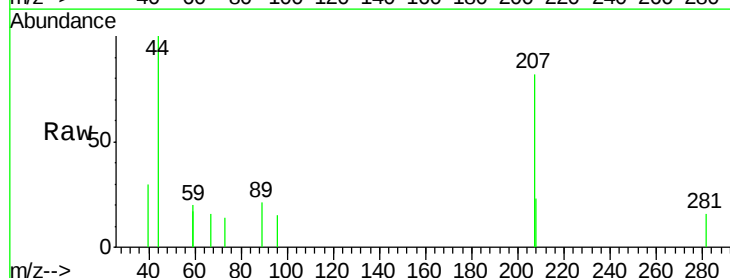
Acq: 22 May 2020 15:14

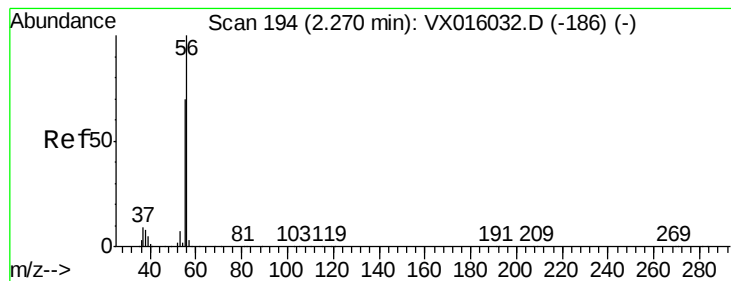
Tgt Ion: 59 Resp: 165

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#





#13

Acrolein

Concen: 0.479 ug/l

RT: 2.28 min Scan# 196

Delta R.T. 0.01 min

Lab File: VX016412.D

Acq: 22 May 2020 15:14

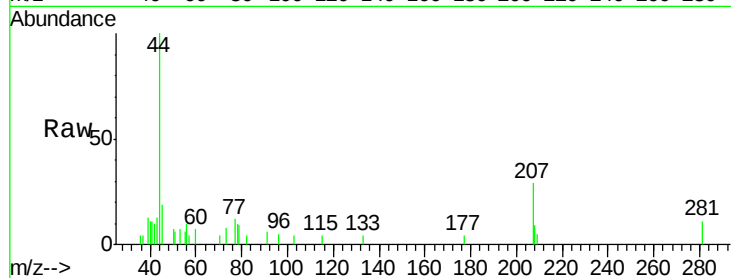
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 207

Ion Ratio Lower Upper

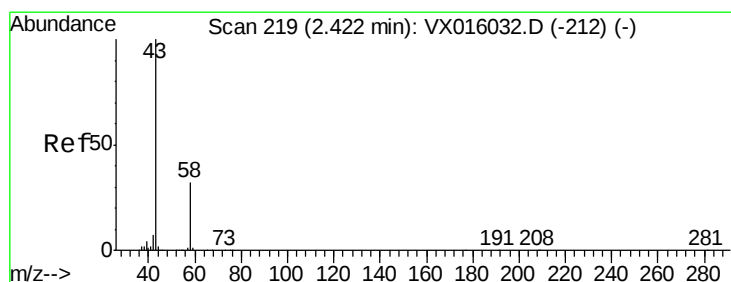
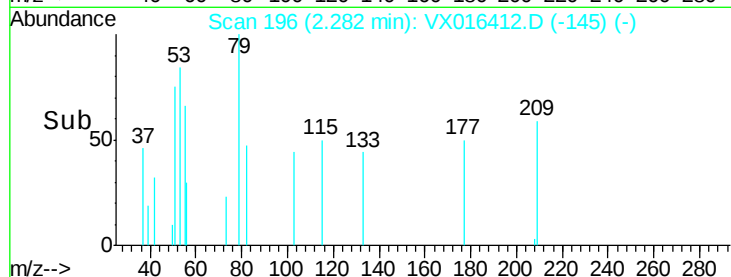
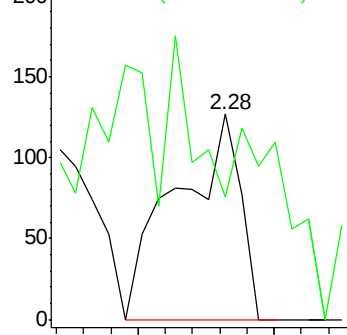
56 100

55 0.0 56.5 84.7#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 2.679 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016412.D

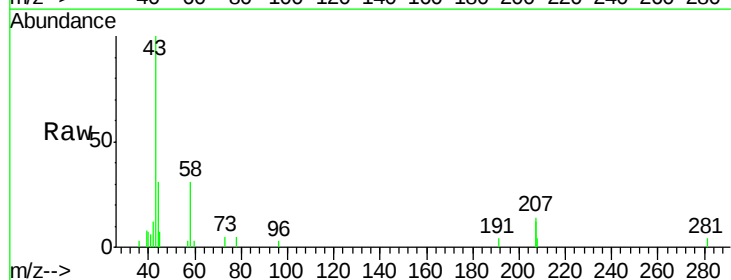
Acq: 22 May 2020 15:14

Tgt Ion: 43 Resp: 3261

Ion Ratio Lower Upper

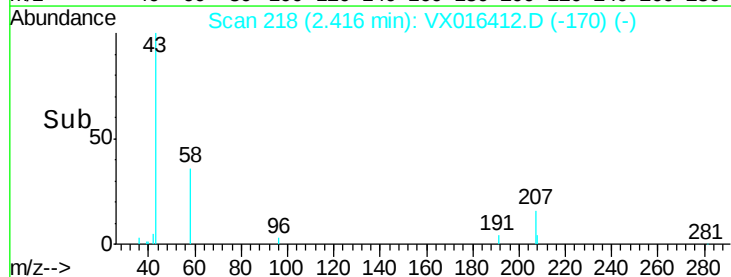
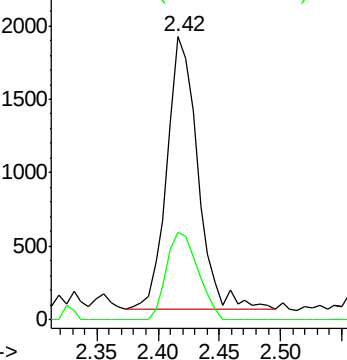
43 100

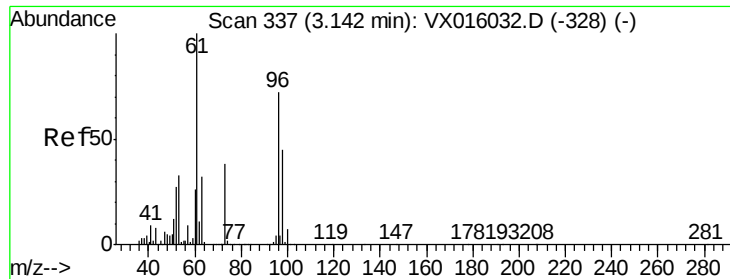
58 32.2 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#21

trans-1,2-Dichloroethene

Concen: 0.827 ug/l

RT: 3.14 min Scan# 336

Delta R.T. -0.01 min

Lab File: VX016412.D

Acq: 22 May 2020 15:14

Instrument :

MSVOA_X

ClientSampleId :

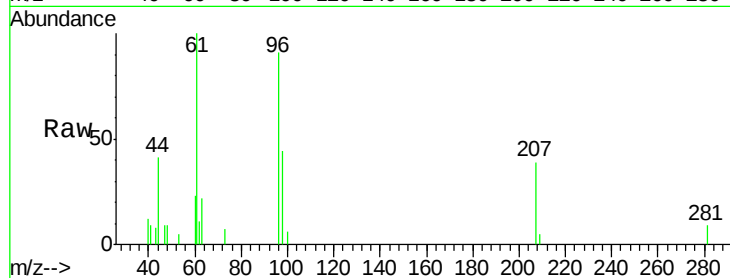
Tot Ion: 96 Resp: 1985

Ion Ratio Lower Upper

96 100

61 110.5 111.2 166.8#

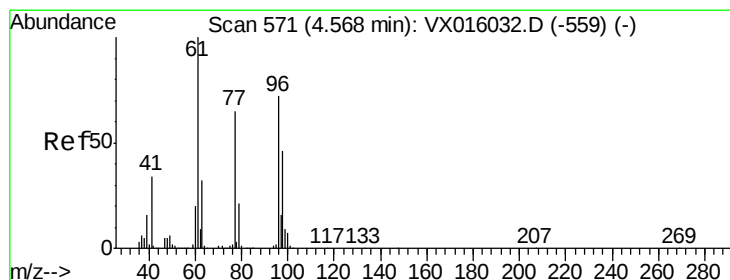
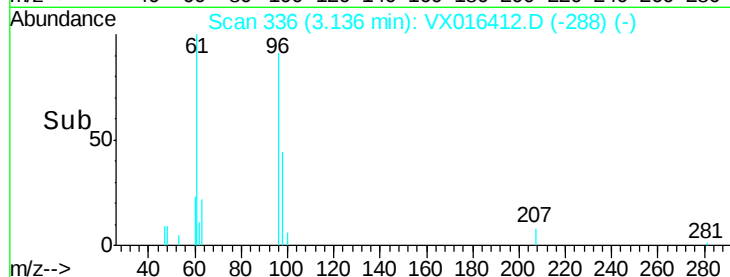
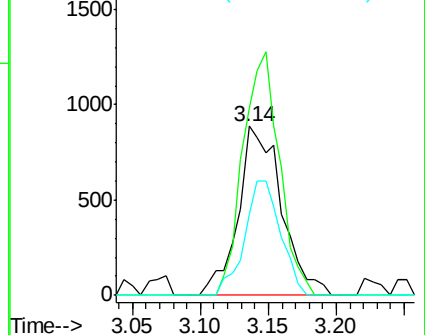
98 48.3 50.2 75.4#



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



#27

cis-1,2-Dichloroethene

Concen: 3.771 ug/l

RT: 4.56 min Scan# 570

Delta R.T. -0.01 min

Lab File: VX016412.D

Acq: 22 May 2020 15:14

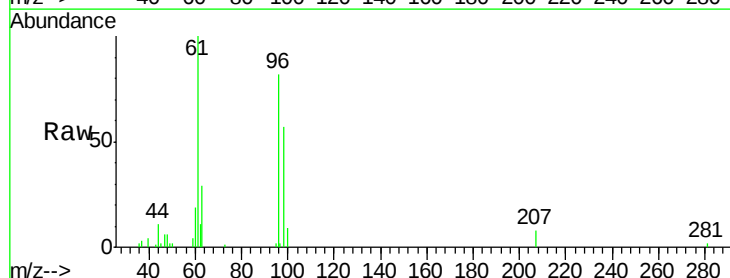
Tgt Ion: 96 Resp: 9902

Ion Ratio Lower Upper

96 100

61 119.8 0.0 296.2

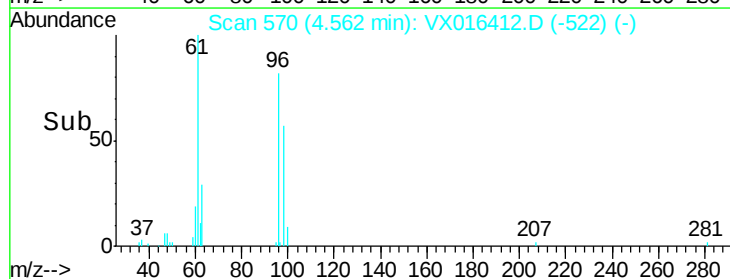
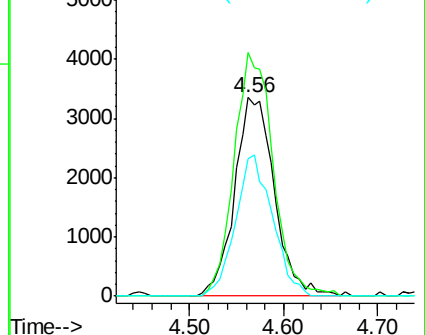
98 65.7 0.0 129.4

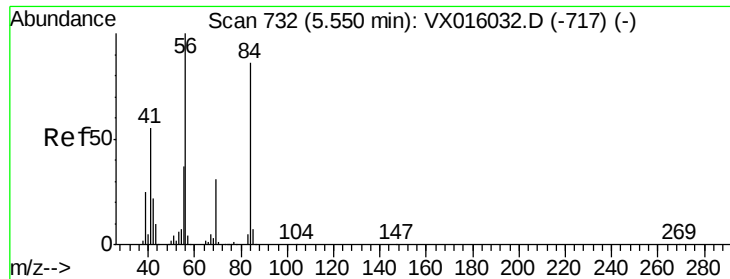


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

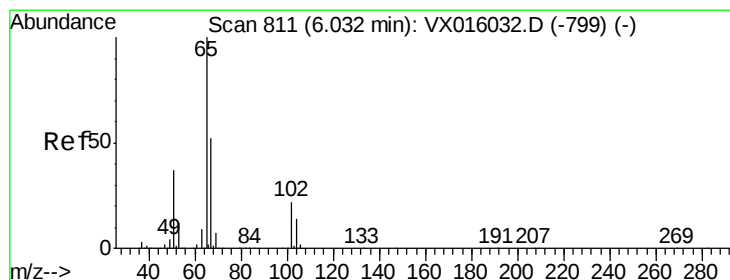
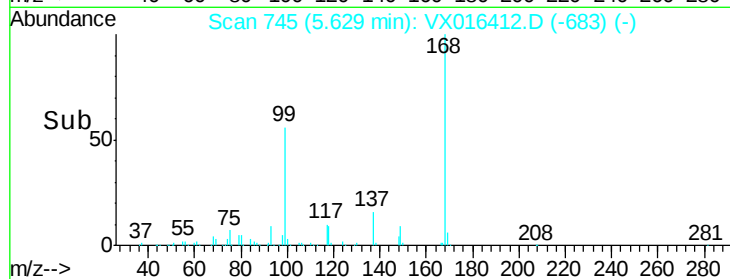
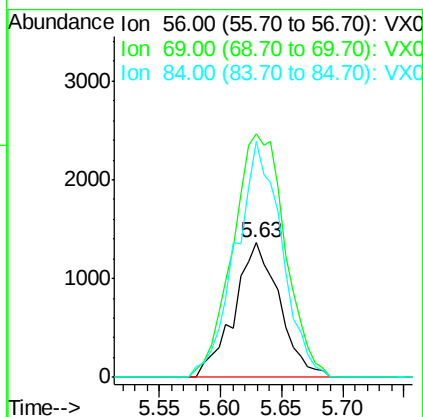
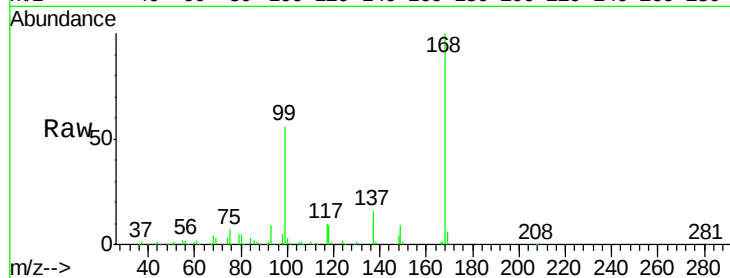




#31
Cyclohexane
Concen: 0.929 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX016412.D
Acq: 22 May 2020 15:14

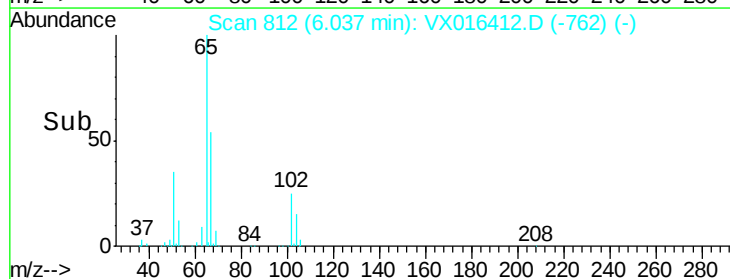
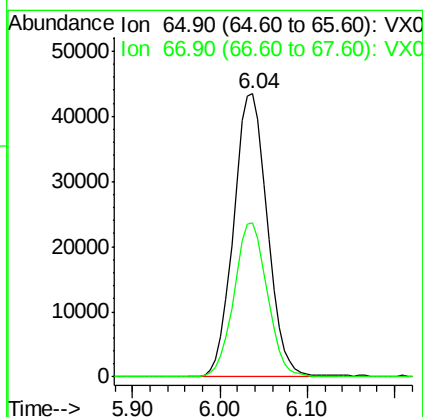
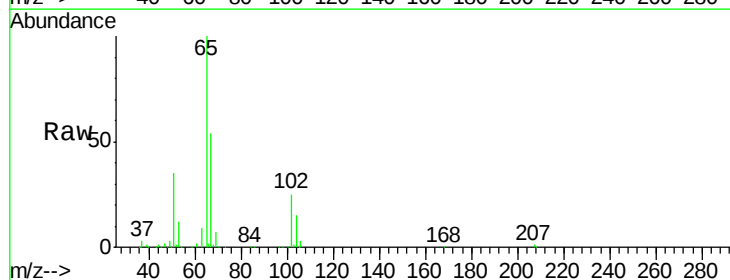
Instrument :
MSVOA_X
ClientSampled :

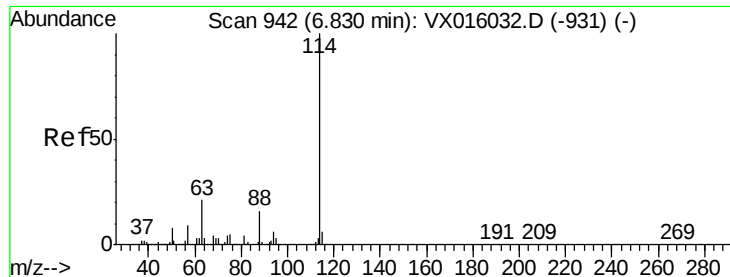
Tot Ion: 56 Resp: 3522
Ion Ratio Lower Upper
56 100
69 180.9 25.0 37.6#
84 175.1 69.0 103.6#



#33
1,2-Dichloroethane-d4
Concen: 42.895 ug/l
RT: 6.04 min Scan# 812
Delta R.T. 0.01 min
Lab File: VX016412.D
Acq: 22 May 2020 15:14

Tgt Ion: 65 Resp: 117025
Ion Ratio Lower Upper
65 100
67 53.5 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016412.D

Acq: 22 May 2020 15:14

Instrument :

MSVOA_X

ClientSampleId :

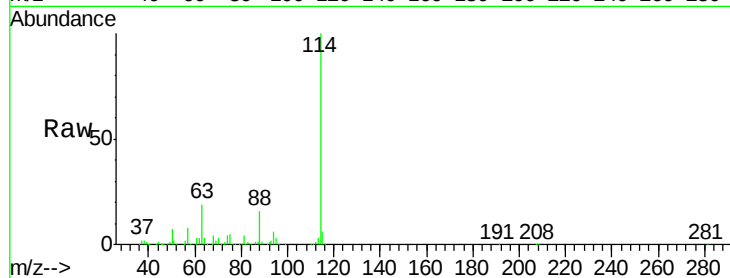
Tot Ion:114 Resp: 338898

Ion Ratio Lower Upper

114 100

63 19.5 0.0 42.8

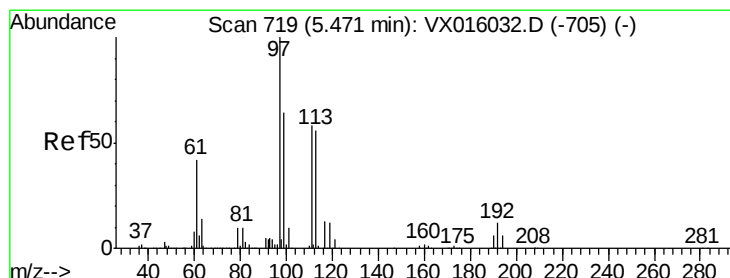
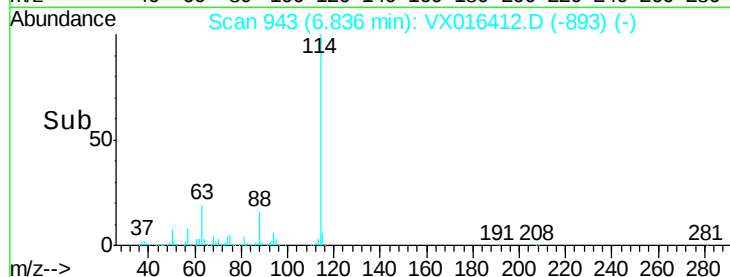
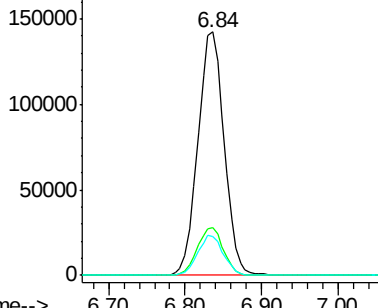
88 16.0 0.0 31.4



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: 45.543 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016412.D

Acq: 22 May 2020 15:14

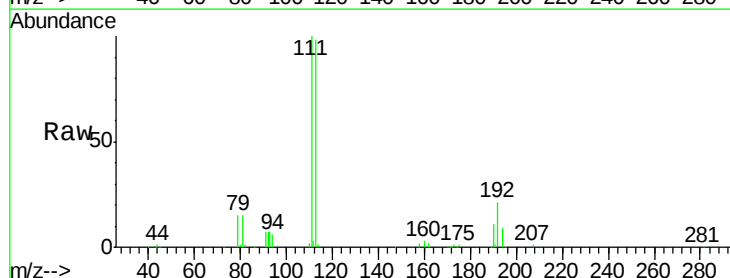
Tgt Ion:113 Resp: 97784

Ion Ratio Lower Upper

113 100

111 102.9 81.6 122.4

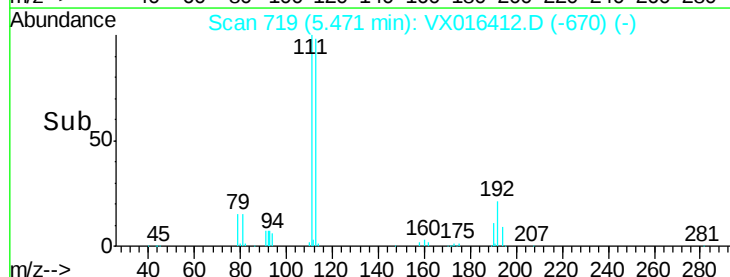
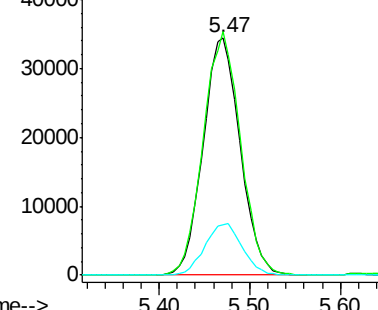
192 21.8 17.0 25.4

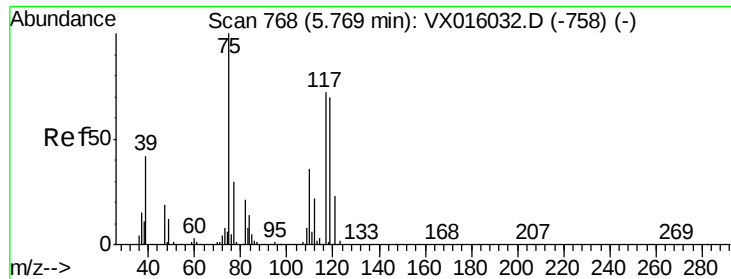


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.299 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016412.D

Acq: 22 May 2020 15:14

Instrument :

MSVOA_X

ClientSampleId :

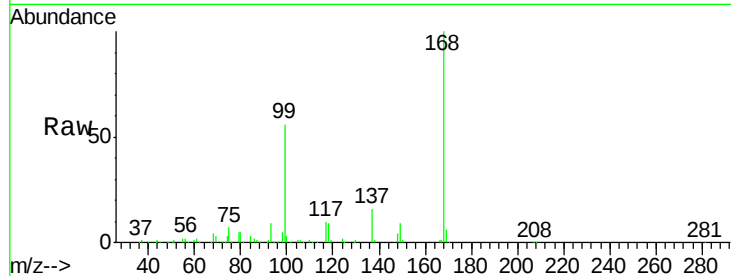
Tot Ion: 75 Resp: 14343

Ion Ratio Lower Upper

75 100

110 9.5 18.1 54.1#

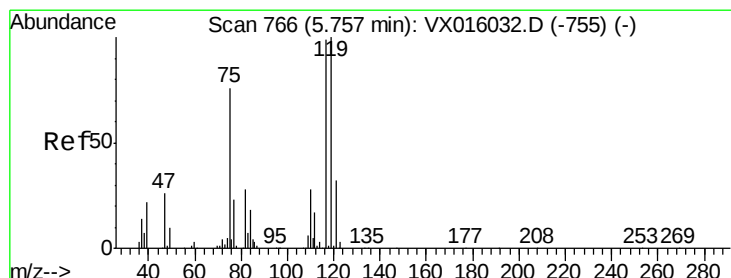
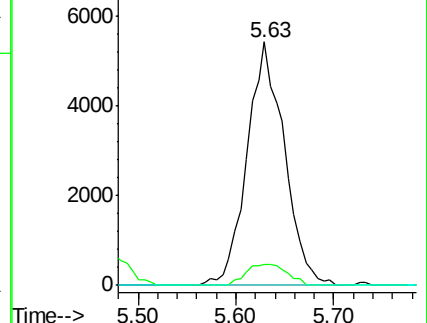
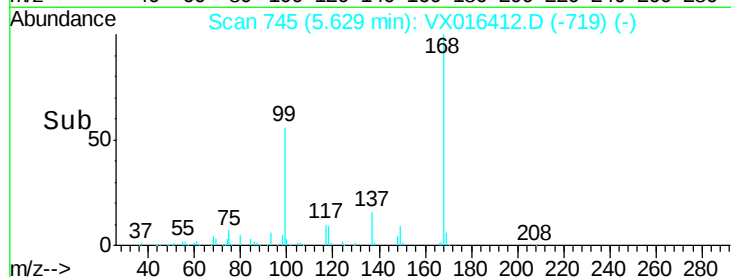
77 0.0 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VX016412.D (-719) (-)

Ion 109.90 (109.60 to 110.60): VX016412.D (-719) (-)

Ion 76.90 (76.60 to 77.60): VX016412.D (-719) (-)



#38

Carbon Tetrachloride

Concen: 5.754 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016412.D

Acq: 22 May 2020 15:14

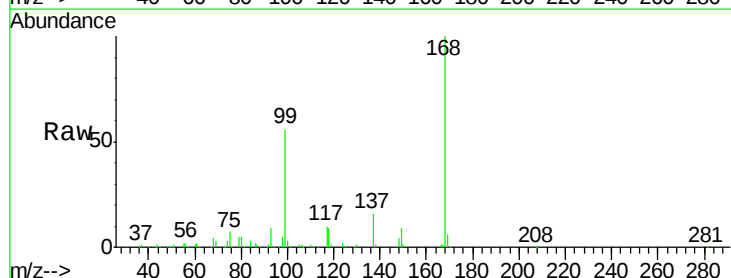
Tgt Ion: 117 Resp: 19512

Ion Ratio Lower Upper

117 100

119 5.9 80.3 120.5#

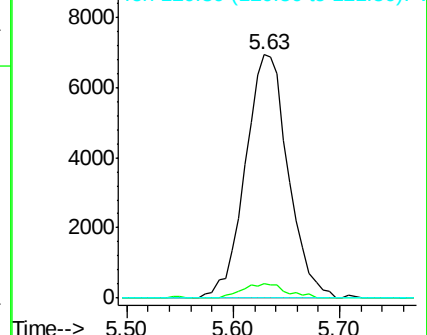
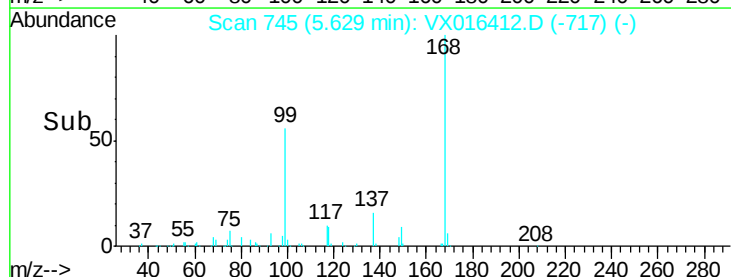
121 0.0 25.7 38.5#

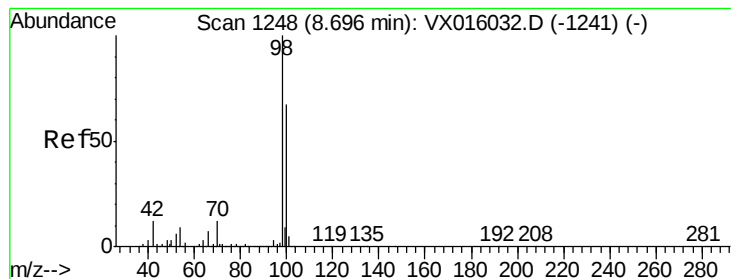


Abundance Ion 116.80 (116.50 to 117.50): VX016412.D (-717) (-)

Ion 118.80 (118.50 to 119.50): VX016412.D (-717) (-)

Ion 120.80 (120.50 to 121.50): VX016412.D (-717) (-)





#50

Toluene-d8

Concen: 49.592 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016412.D

Acq: 22 May 2020 15:14

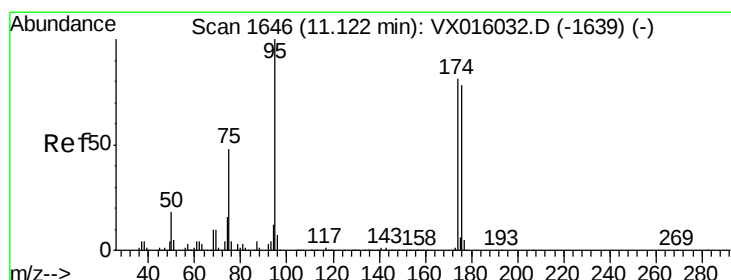
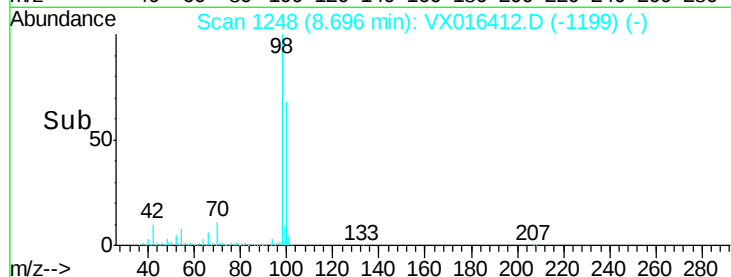
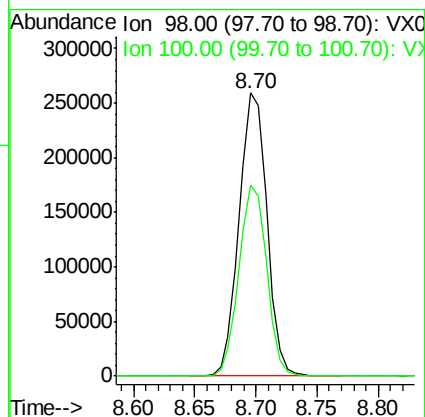
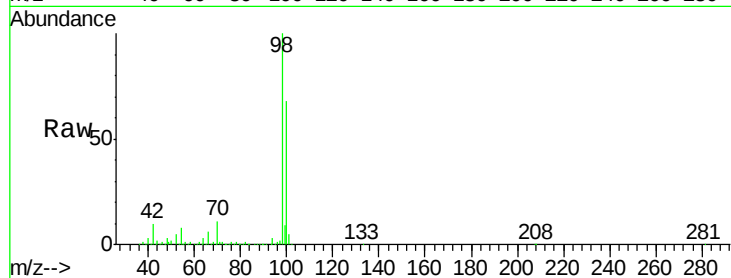
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 98 Resp: 410266

Ion Ratio Lower Upper

98 100

100 67.5 53.7 80.5



#62

4-Bromofluorobenzene

Concen: 52.367 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016412.D

Acq: 22 May 2020 15:14

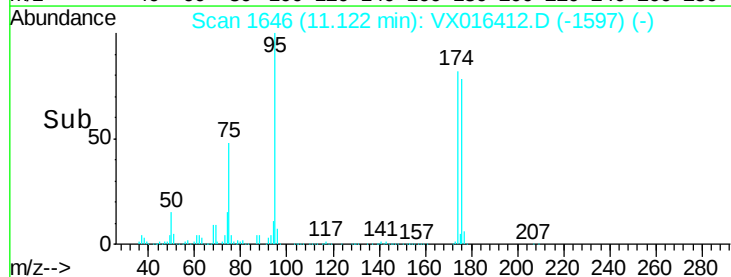
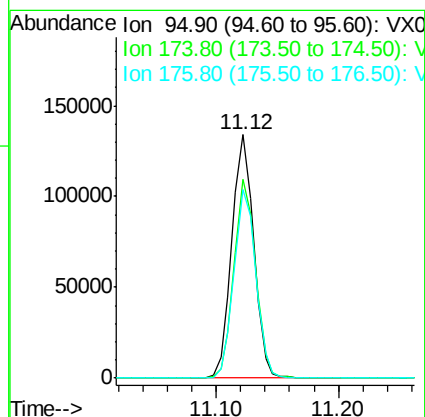
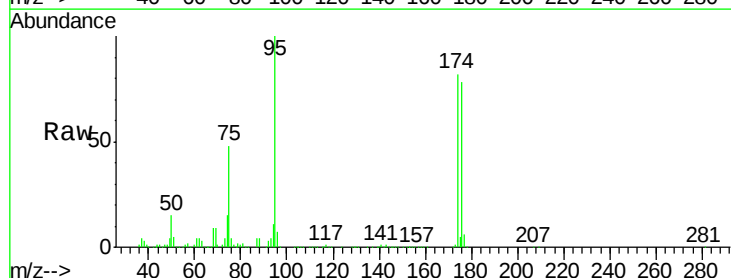
Tgt Ion: 95 Resp: 164778

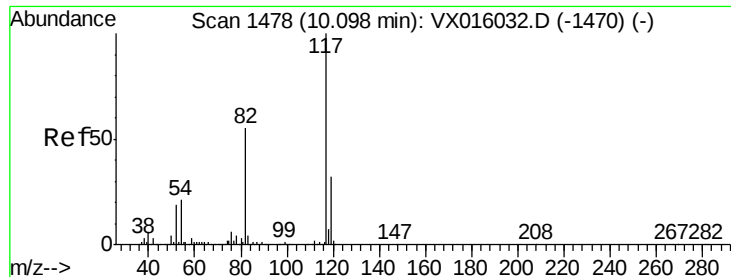
Ion Ratio Lower Upper

95 100

174 80.5 0.0 159.4

176 77.8 0.0 157.6

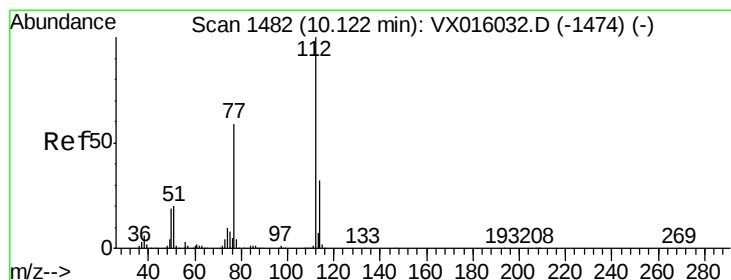
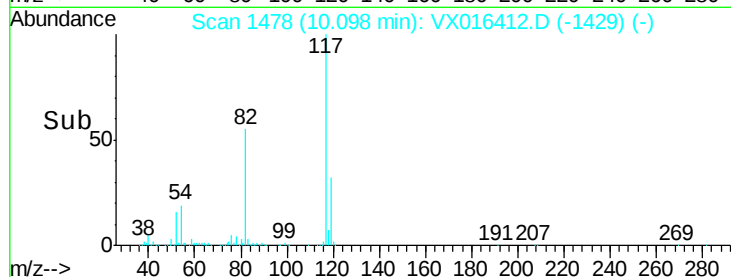
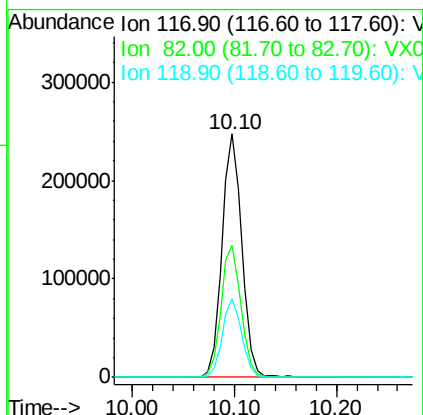
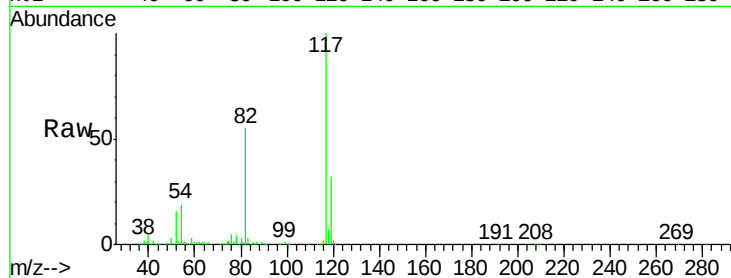




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016412.D
Acq: 22 May 2020 15:14

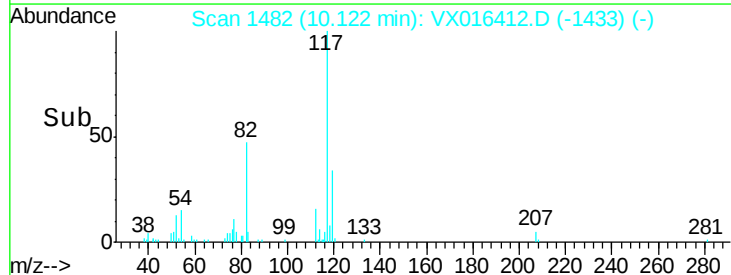
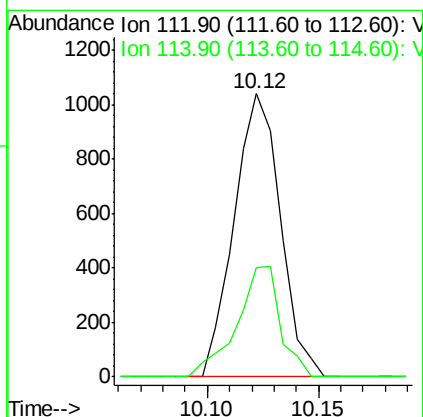
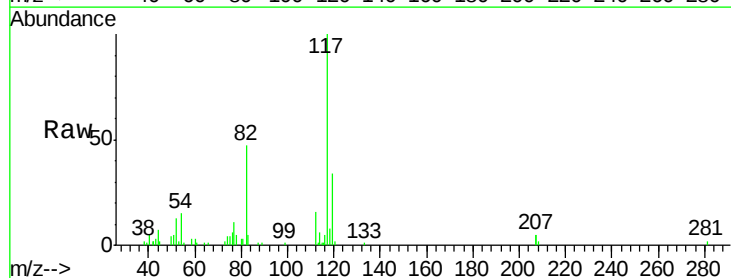
Instrument :
MSVOA_X
ClientSampleId :

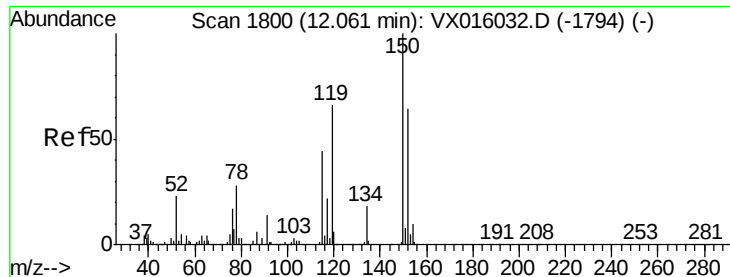
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.6	44.4	66.6
119	32.2	25.5	38.3



#65
Chlorobenzene
Concen: 0.215 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX016412.D
Acq: 22 May 2020 15:14

Tgt Ion	Ratio	Lower	Upper
112	100		
114	38.5	25.7	38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016412.D

Acq: 22 May 2020 15:14

Instrument :

MSVOA_X

ClientSampleId :

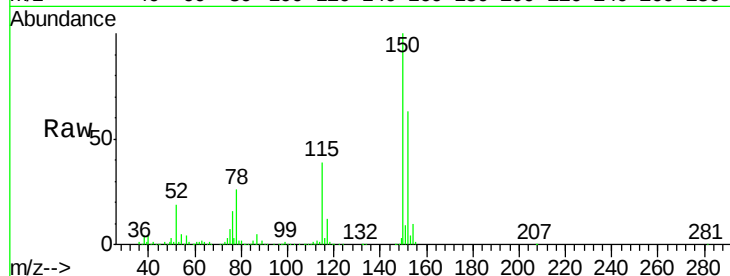
Tot Ion:152 Resp: 166649

Ion Ratio Lower Upper

152 100

115 59.8 41.3 124.1

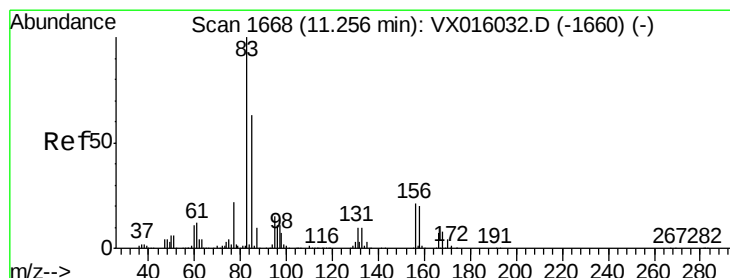
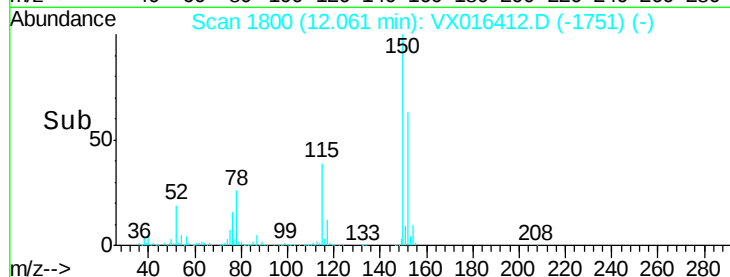
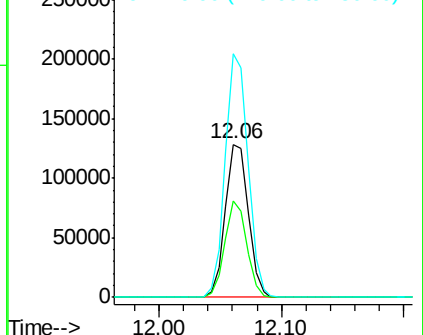
150 157.2 0.0 352.2



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



#75

1,1,2,2-Tetrachloroethane

Concen: 2.092 ug/l

RT: 11.13 min Scan# 1647

Delta R.T. -0.13 min

Lab File: VX016412.D

Acq: 22 May 2020 15:14

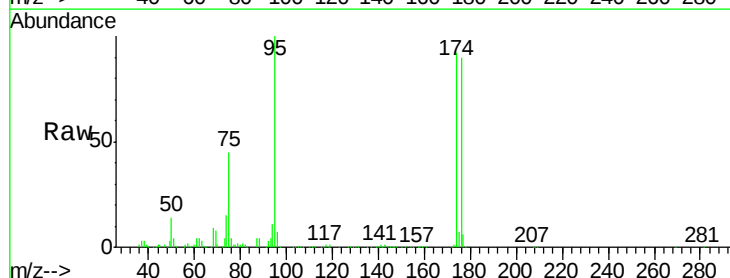
Tgt Ion: 83 Resp: 97

Ion Ratio Lower Upper

83 100

131 246.4 5.1 15.4#

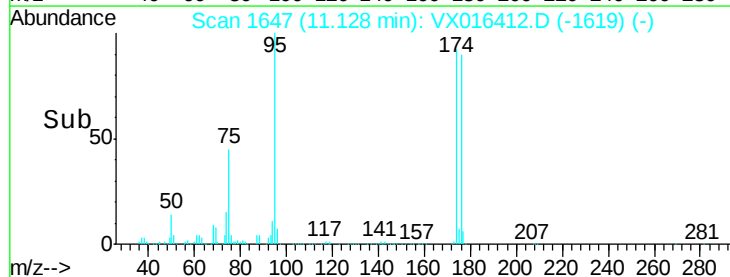
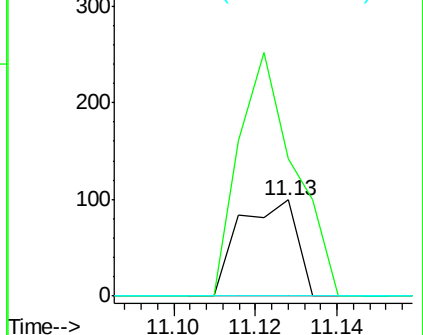
85 0.0 32.0 96.0#

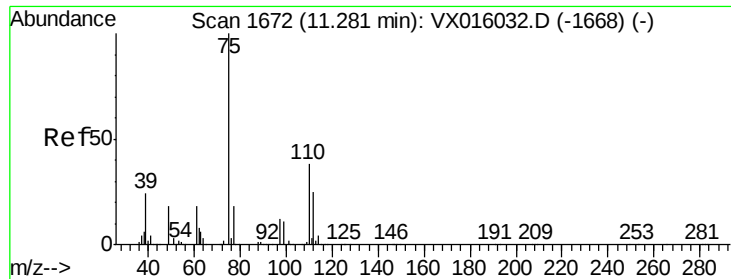


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

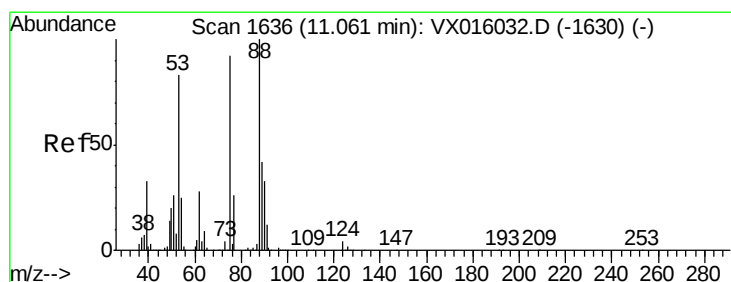
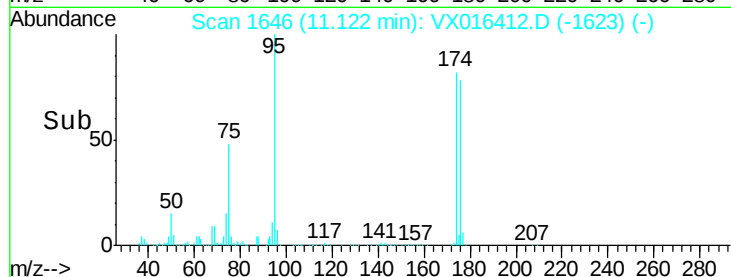
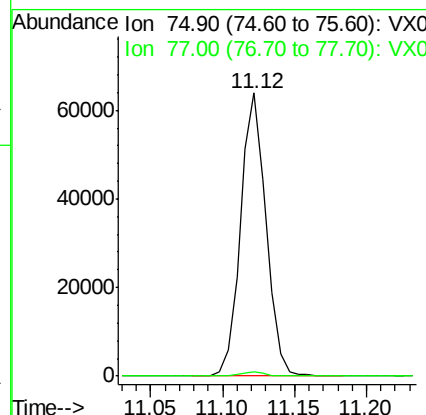
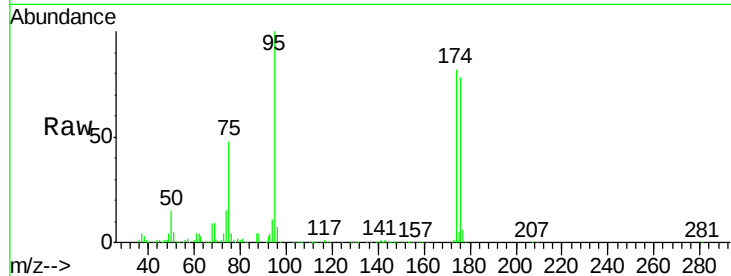




#76
 1,2,3-Trichloropropane
 Concen: 20.771 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX016412.D
 Acq: 22 May 2020 15:14

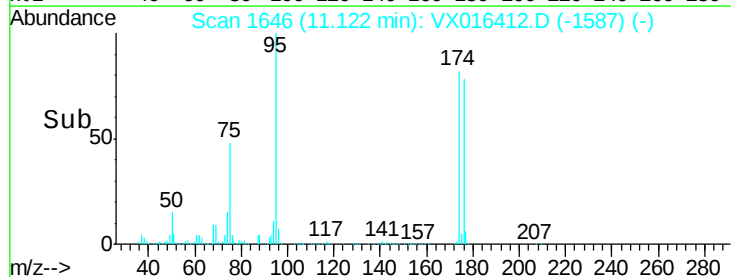
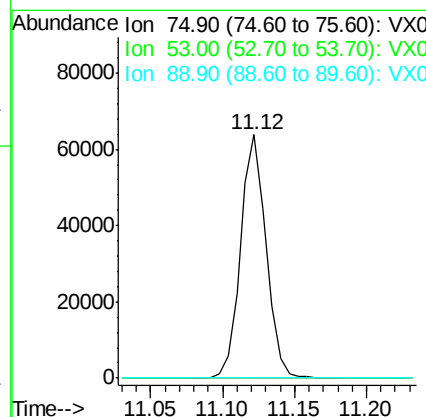
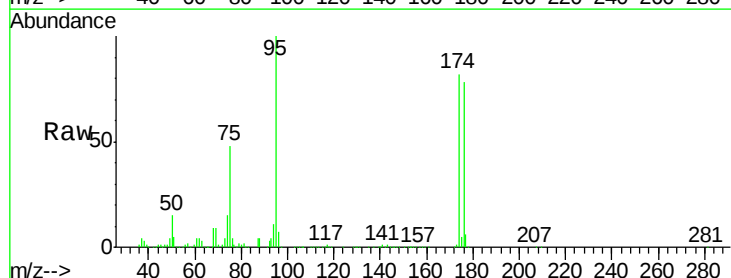
Instrument :
 MSVOA_X
 ClientSampleId :

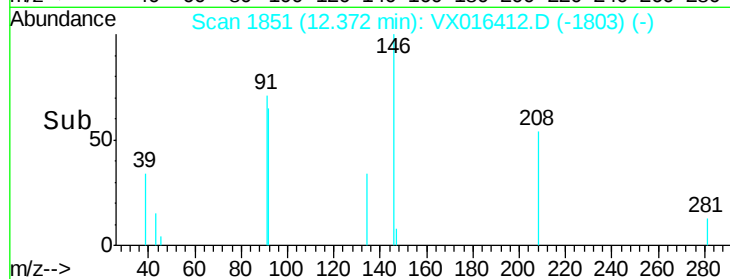
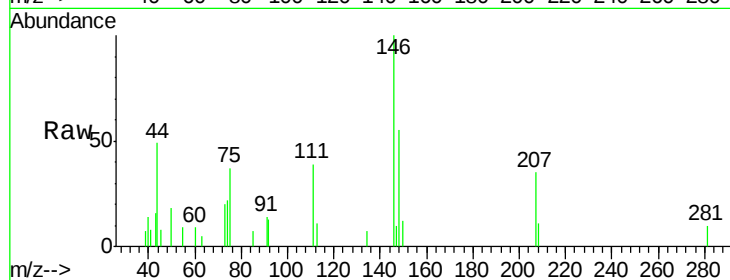
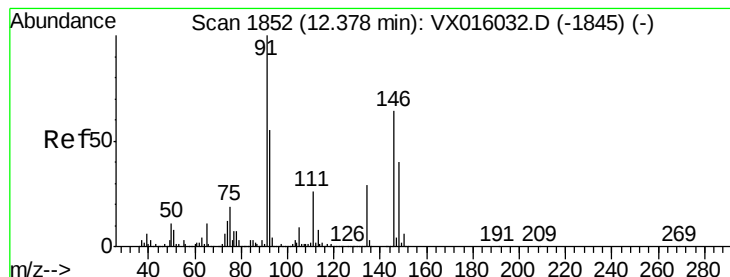
Tot Ion: 75 Resp: 78547
 Ion Ratio Lower Upper
 75 100
 77 1.3 21.2 63.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 49.498 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX016412.D
 Acq: 22 May 2020 15:14

Tgt Ion: 75 Resp: 78547
 Ion Ratio Lower Upper
 75 100
 53 0.1 73.1 109.7#
 89 0.0 36.7 55.1#





#91

1,2-Dichlorobenzene

Concen: 0.243 ug/l

RT: 12.37 min Scan# 1851

Delta R.T. -0.01 min

Lab File: VX016412.D

Acq: 22 May 2020 15:14

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:146 Resp: 1317

Ion Ratio Lower Upper

146 100

111 43.6 21.1 63.1

148 58.5 32.4 97.0

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

