

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050520\
 Data File : VX016062.D
 Acq On : 05 May 2020 14:34
 Operator : JC/SP
 Sample : L2508-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 06 05:02:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 04:29:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	305804	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	507193	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	487714	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	254795	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	190677	47.38	ug/l	0.00
Spiked Amount			Recovery	=	94.76%	
35) Dibromofluoromethane	5.47	113	147188	45.81	ug/l	0.00
Spiked Amount			Recovery	=	91.62%	
50) Toluene-d8	8.70	98	617578	49.88	ug/l	0.00
Spiked Amount			Recovery	=	99.76%	
62) 4-Bromofluorobenzene	11.12	95	250990	53.30	ug/l	0.00
Spiked Amount			Recovery	=	106.60%	

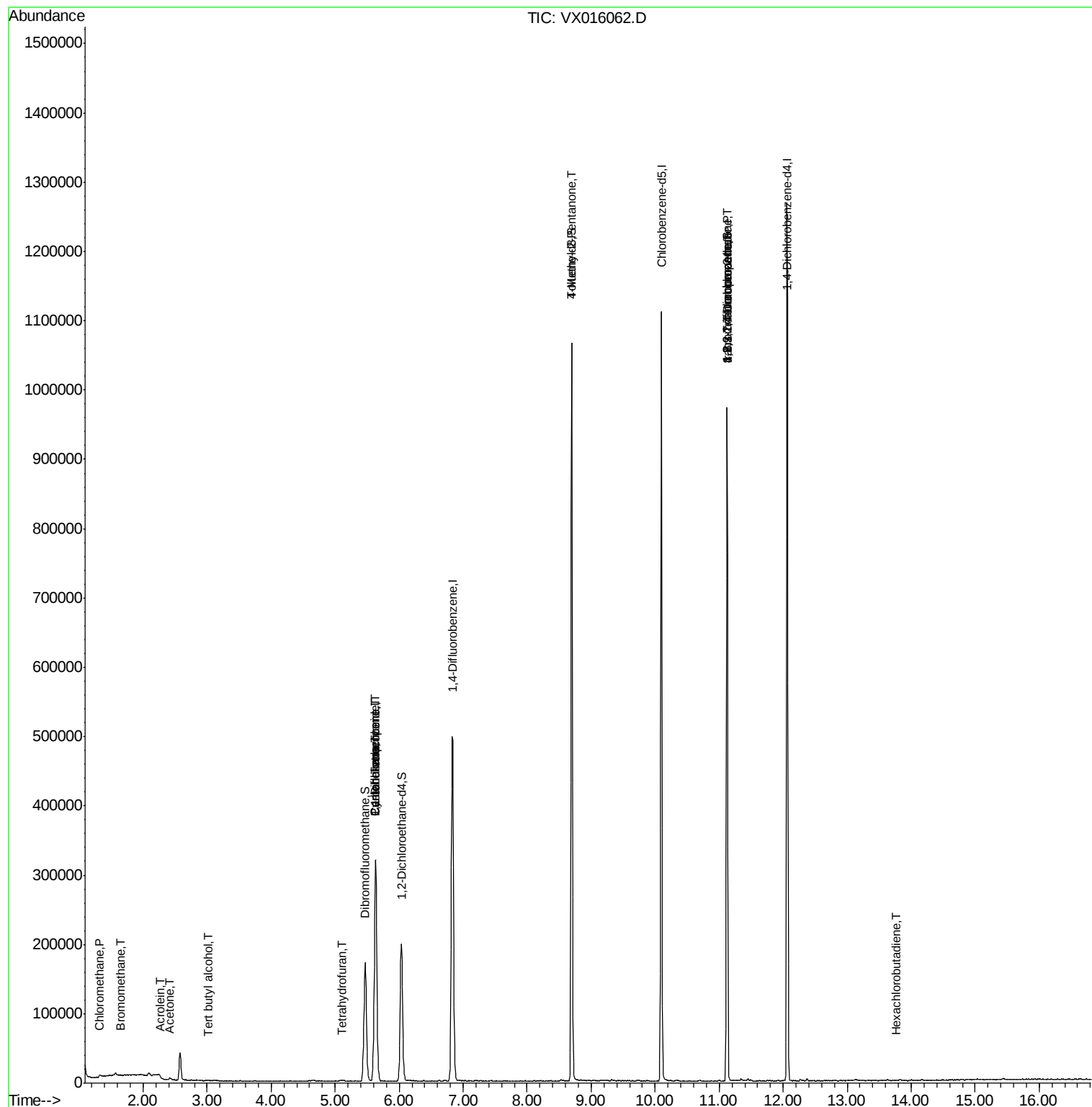
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1118	0.297	ug/l #	64
5) Bromomethane	1.64	94	514	0.254	ug/l #	43
11) Tert butyl alcohol	3.01	59	592	0.582	ug/l #	72
13) Acrolein	2.27	56	511	0.802	ug/l #	25
16) Acetone	2.42	43	3090	1.721	ug/l	98
29) Tetrahydrofuran	5.11	42	2220	1.158	ug/l #	79
31) Cyclohexane	5.63	56	6611	1.183	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	23625	4.732	ug/l #	49
38) Carbon Tetrachloride	5.64	117	30363	5.983	ug/l #	13
51) 4-Methyl-2-Pentanone	8.70	43	2620	0.464	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.13	83	258	4.870	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	127861	22.114	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	127861	52.699	ug/l #	13
94) Hexachlorobutadiene	13.76	225	218	0.605	ug/l #	64

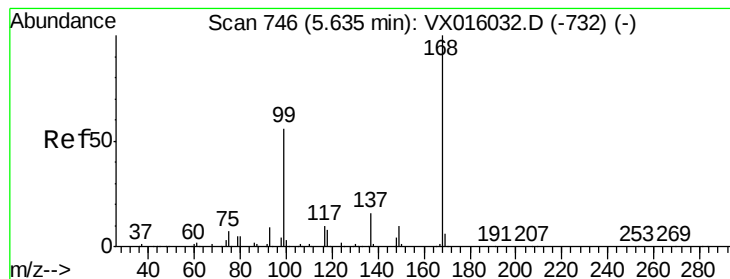
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX050520\
Data File : VX016062.D
Acq On : 05 May 2020 14:34
Operator : JC/SP
Sample : L2508-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: May 06 05:02:08 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
Quant Title : SW846 8260
QLast Update : Wed May 06 04:29:02 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX016062.D

Acq: 05 May 2020 14:34

Instrument :

MSVOA_X

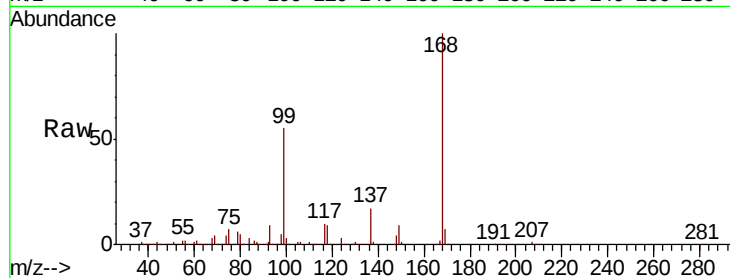
ClientSampleId :

Tot Ion:168 Resp: 305804

Ion Ratio Lower Upper

168 100

99 55.4 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

120000

100000

80000

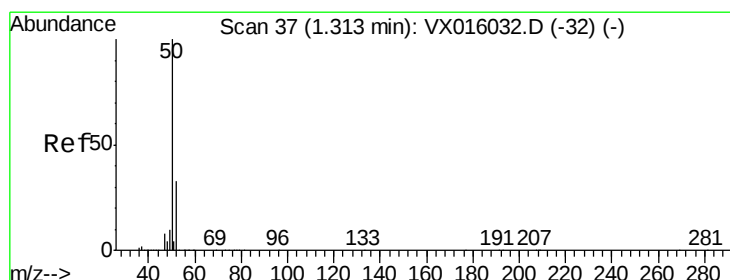
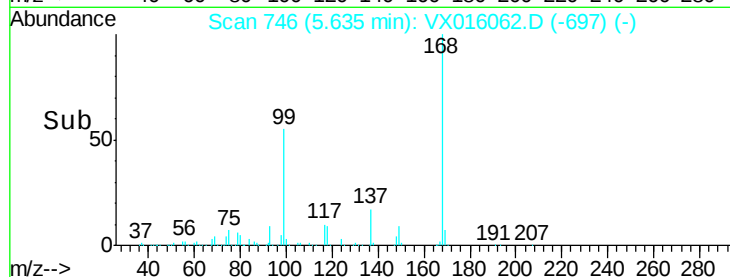
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.297 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX016062.D

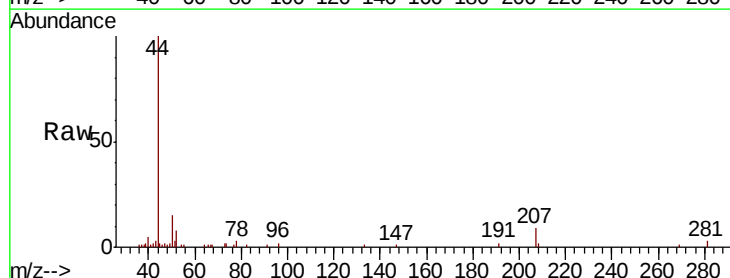
Acq: 05 May 2020 14:34

Tgt Ion: 50 Resp: 1118

Ion Ratio Lower Upper

50 100

52 52.9 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

1000

800

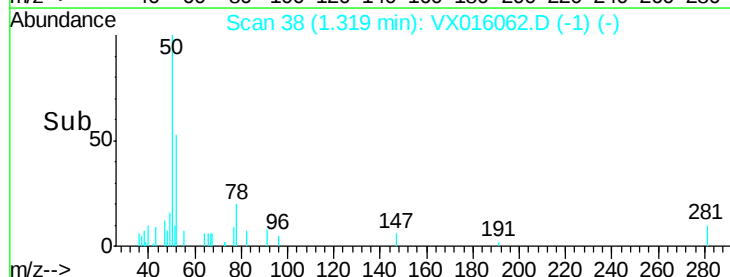
600

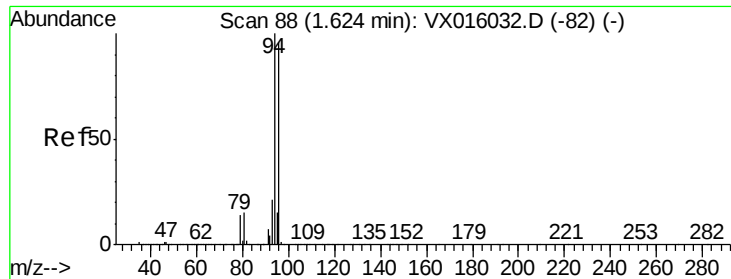
400

200

0

Time-->





#5

Bromomethane

Concen: 0.254 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX016062.D

Acq: 05 May 2020 14:34

Instrument :

MSVOA_X

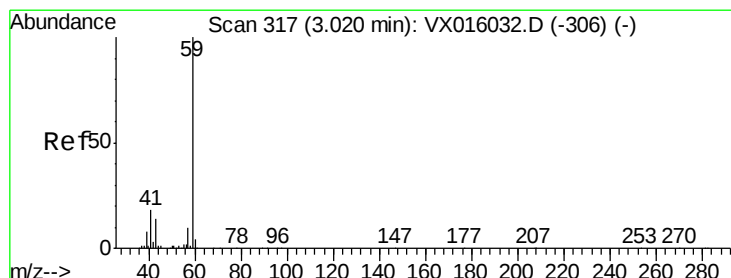
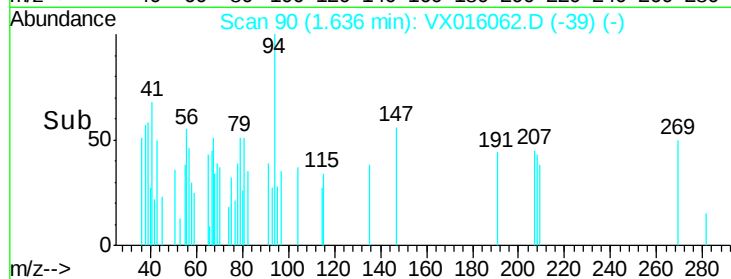
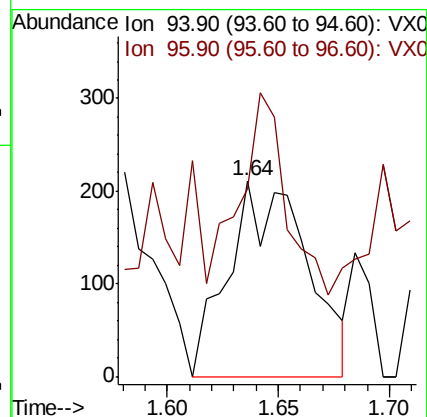
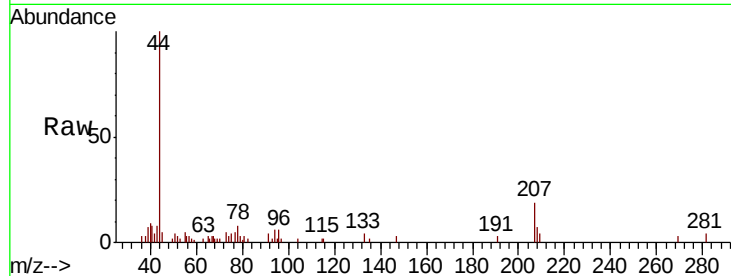
ClientSampled :

Tot Ion: 94 Resp: 514

Ion Ratio Lower Upper

94 100

96 40.8 76.9 115.3#



#11

Tert butyl alcohol

Concen: 0.582 ug/l

RT: 3.01 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX016062.D

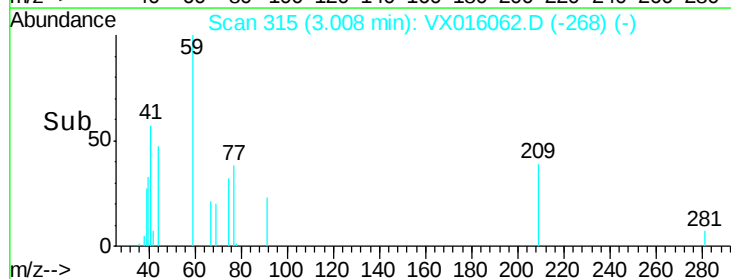
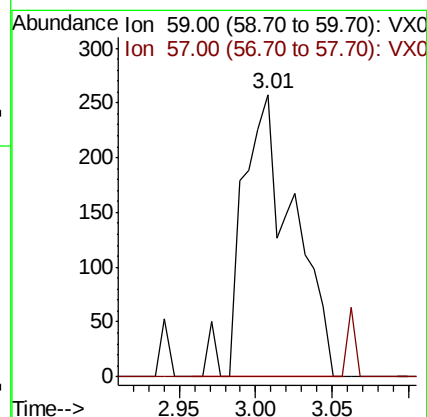
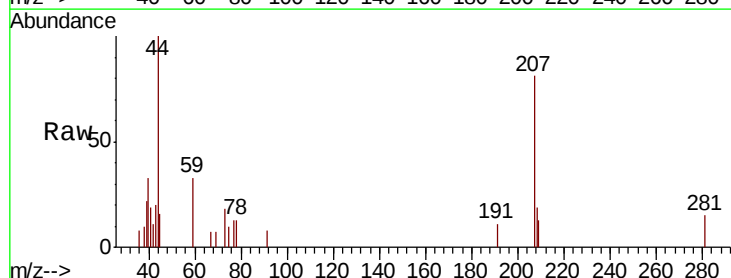
Acq: 05 May 2020 14:34

Tgt Ion: 59 Resp: 592

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#





#13

Acrolein

Concen: 0.802 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016062.D

Acq: 05 May 2020 14:34

Instrument :

MSVOA_X

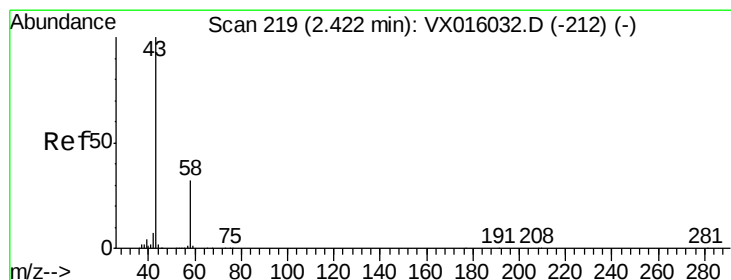
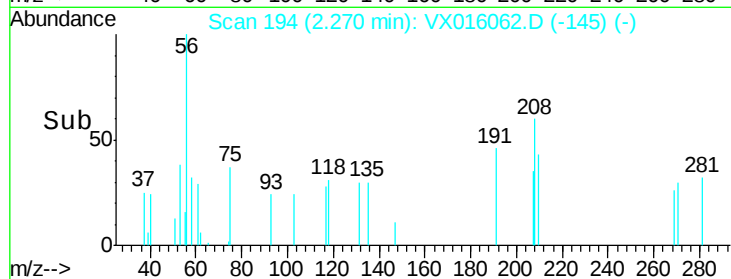
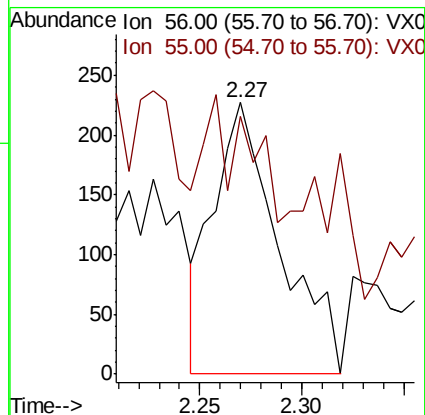
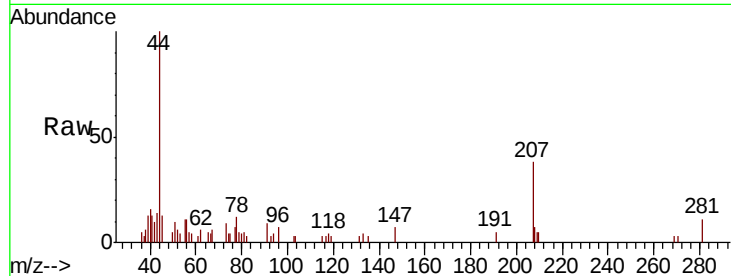
ClientSampleId :

Tot Ion: 56 Resp: 511

Ion Ratio Lower Upper

56 100

55 8.6 56.5 84.7#



#16

Acetone

Concen: 1.721 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016062.D

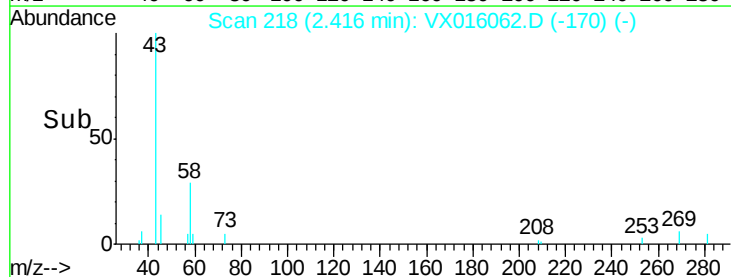
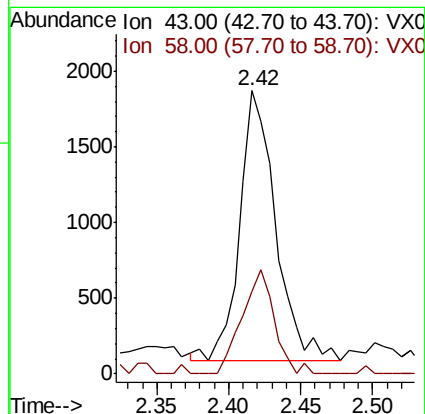
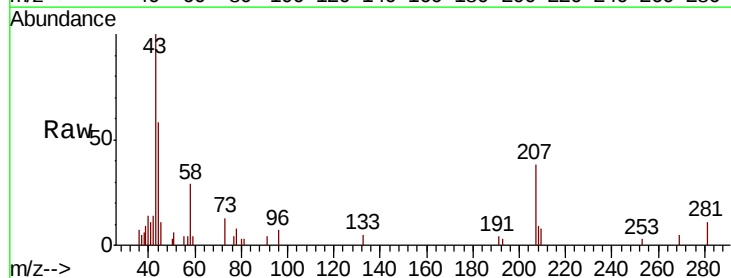
Acq: 05 May 2020 14:34

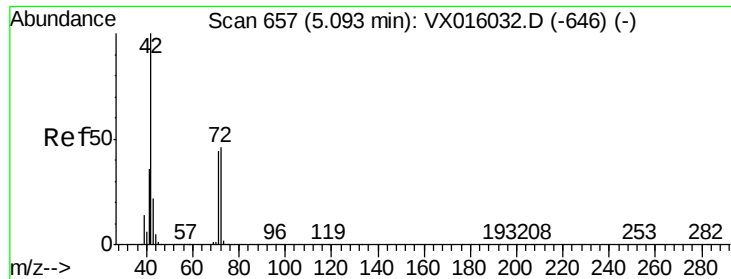
Tgt Ion: 43 Resp: 3090

Ion Ratio Lower Upper

43 100

58 30.5 25.4 38.0





#29

Tetrahydrofuran

Concen: 1.158 ug/l

RT: 5.11 min Scan# 660

Delta R.T. 0.02 min

Lab File: VX016062.D

Acq: 05 May 2020 14:34

Instrument :

MSVOA_X

ClientSampleId :

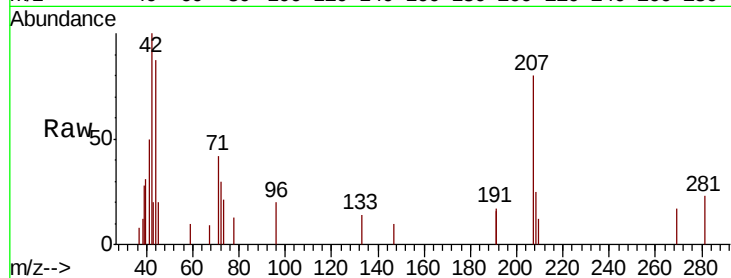
Tot Ion: 42 Resp: 2220

Ion Ratio Lower Upper

42 100

72 32.4 37.1 55.7#

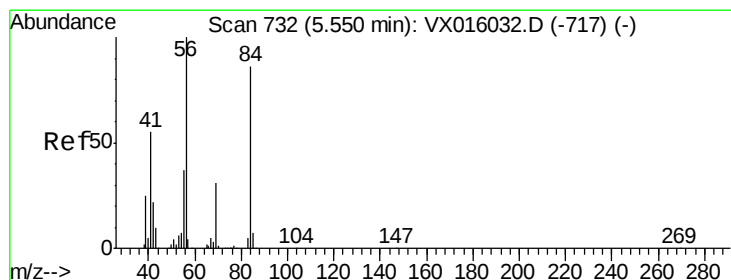
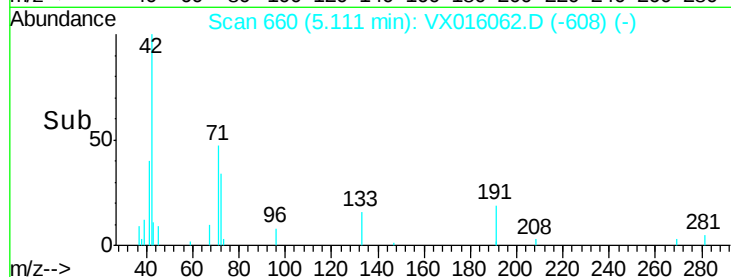
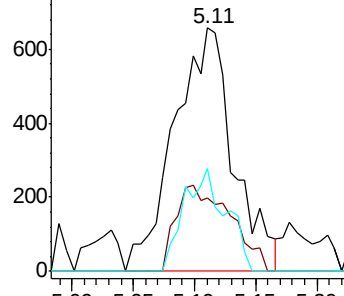
71 29.9 34.5 51.7#



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: 1.183 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX016062.D

Acq: 05 May 2020 14:34

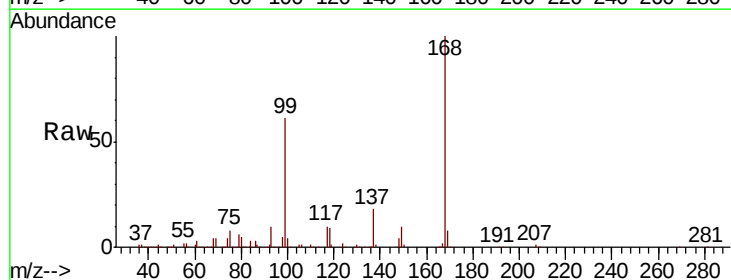
Tgt Ion: 56 Resp: 6611

Ion Ratio Lower Upper

56 100

69 168.9 25.0 37.6#

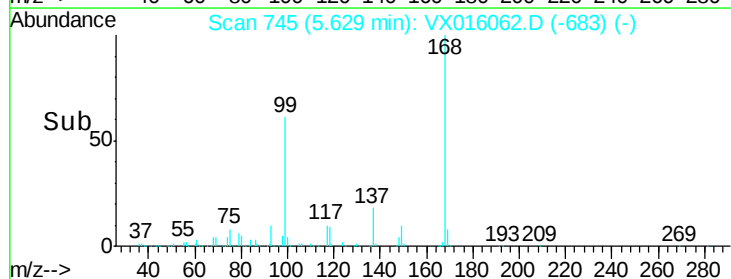
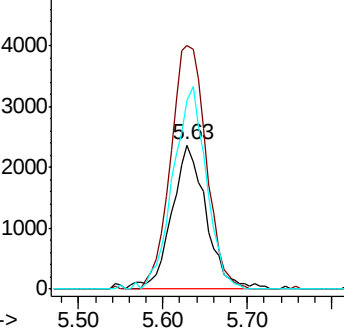
84 130.7 69.0 103.6#

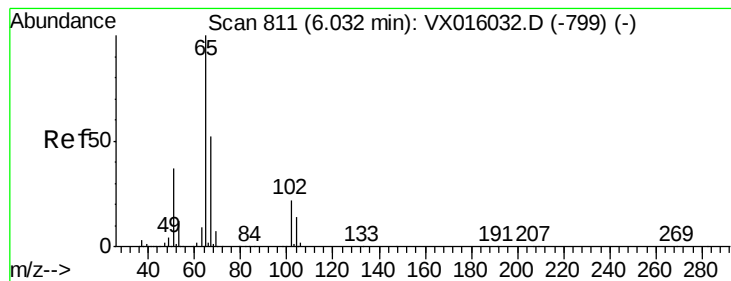


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 47.384 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX016062.D

Acq: 05 May 2020 14:34

Instrument :

MSVOA_X

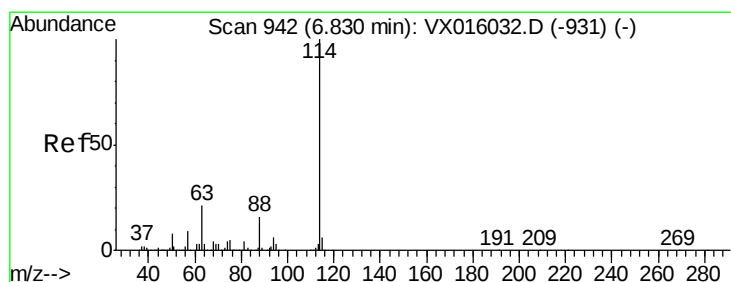
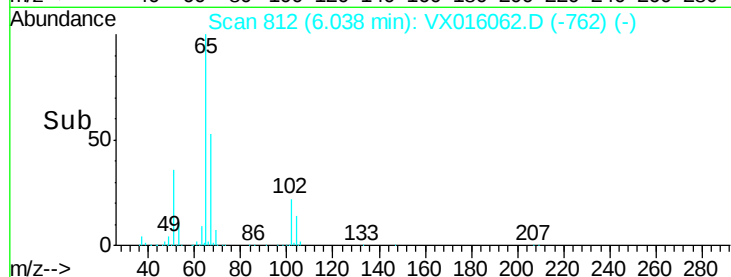
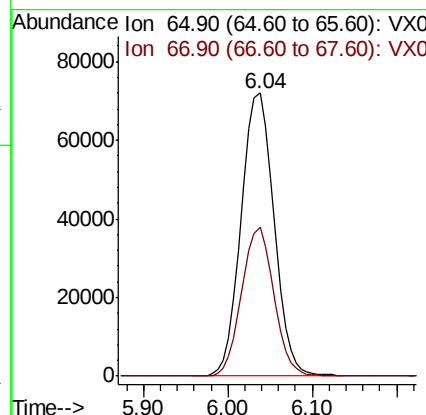
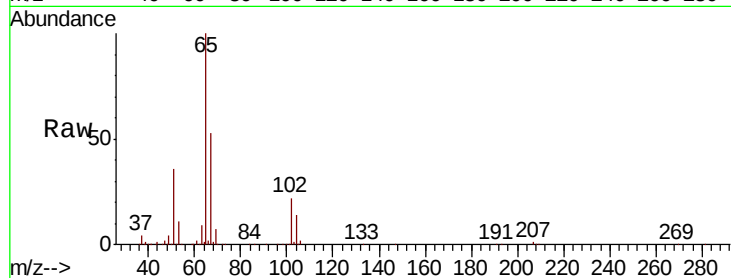
ClientSampleId :

Tot Ion: 65 Resp: 190677

Ion Ratio Lower Upper

65 100

67 51.7 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: VX016062.D

Acq: 05 May 2020 14:34

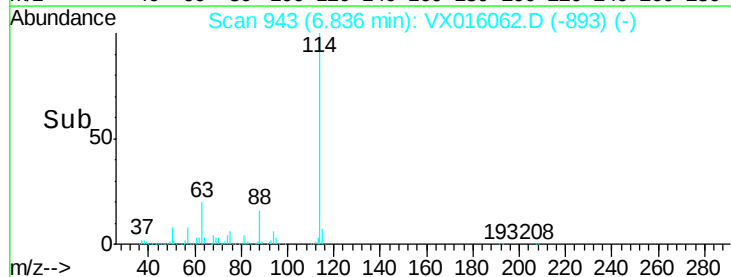
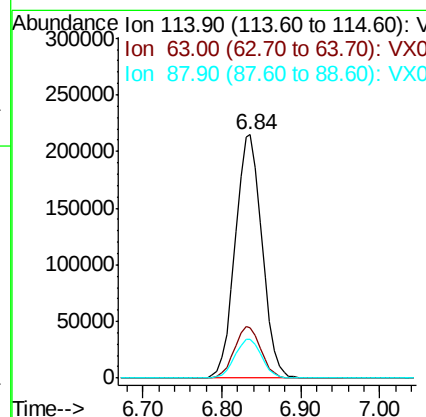
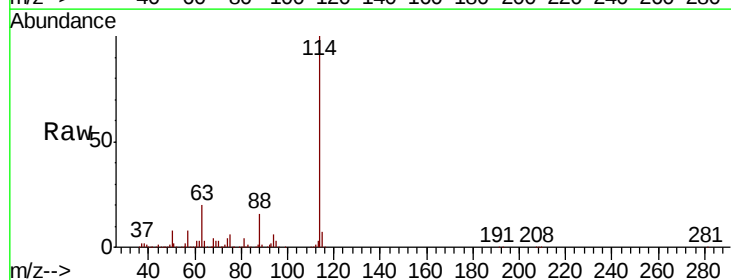
Tgt Ion: 114 Resp: 507193

Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.8

88 15.9 0.0 31.4





#35

Dibromofluoromethane

Concen: 45.806 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016062.D

Acq: 05 May 2020 14:34

Instrument :
MSVOA_X
ClientSampleId :

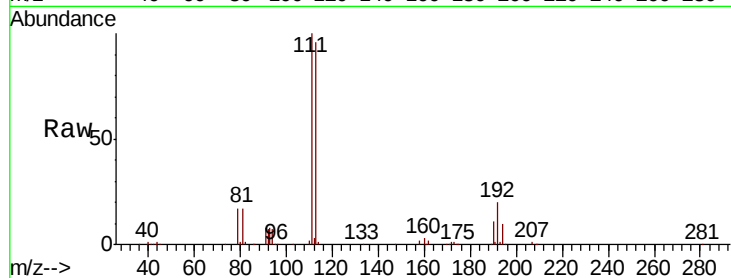
Tot Ion:113 Resp: 147188

Ion Ratio Lower Upper

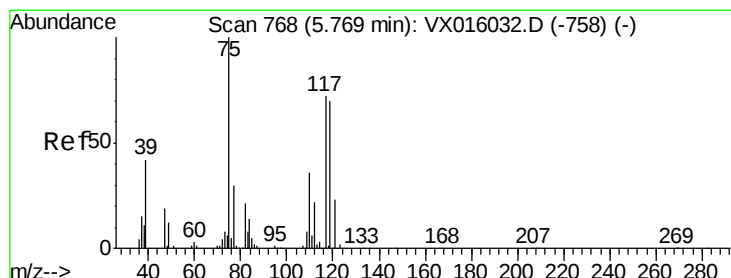
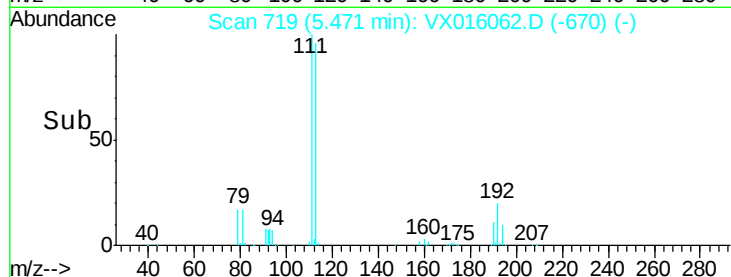
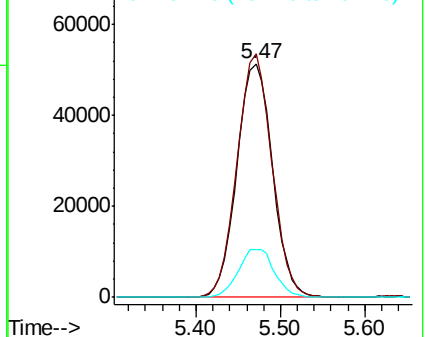
113 100

111 102.1 81.6 122.4

192 21.1 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: 4.732 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016062.D

Acq: 05 May 2020 14:34

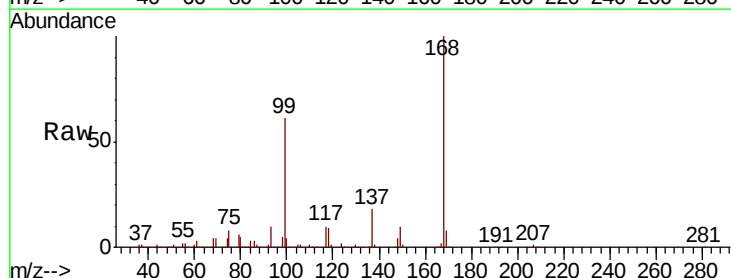
Tgt Ion: 75 Resp: 23625

Ion Ratio Lower Upper

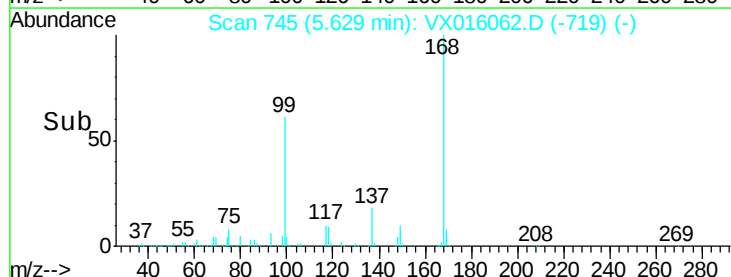
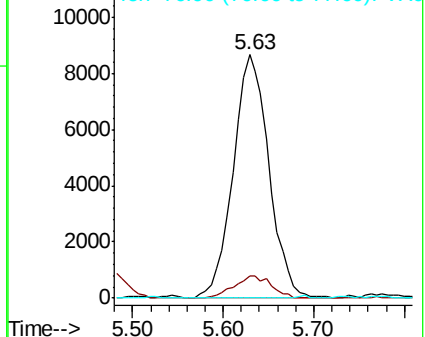
75 100

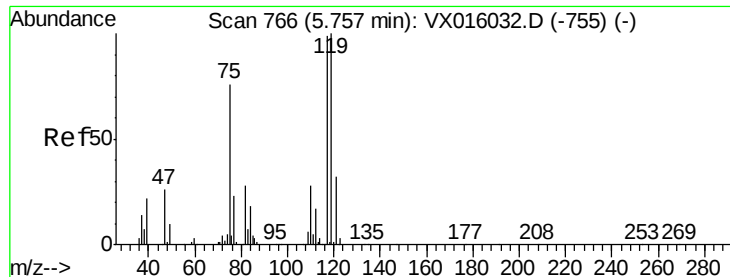
110 9.3 18.1 54.1#

77 0.0 25.0 37.6#



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

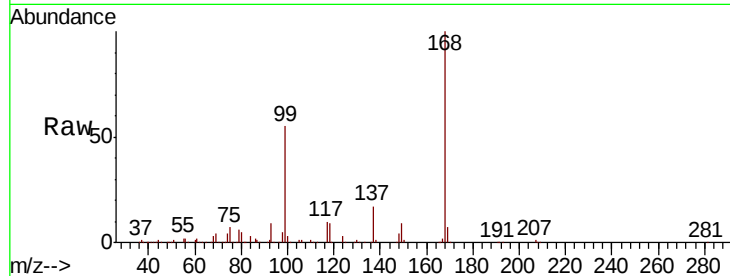




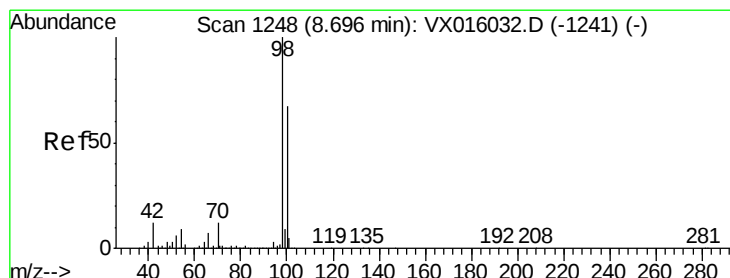
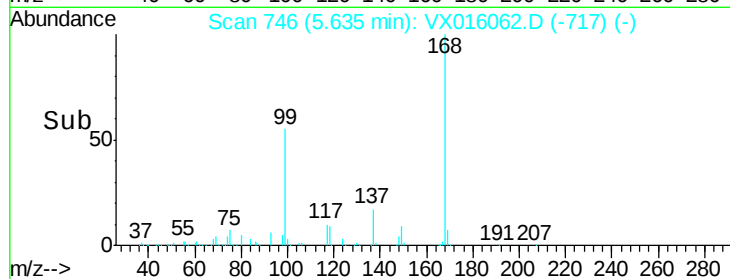
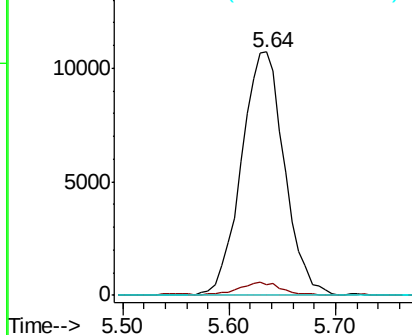
#38
Carbon Tetrachloride
Concen: 5.983 ug/l
RT: 5.64 min Scan# 746
Delta R.T. -0.12 min
Lab File: VX016062.D
Acq: 05 May 2020 14:34

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 30363
Ion Ratio Lower Upper
117 100
119 4.2 80.3 120.5#
121 0.0 25.7 38.5#

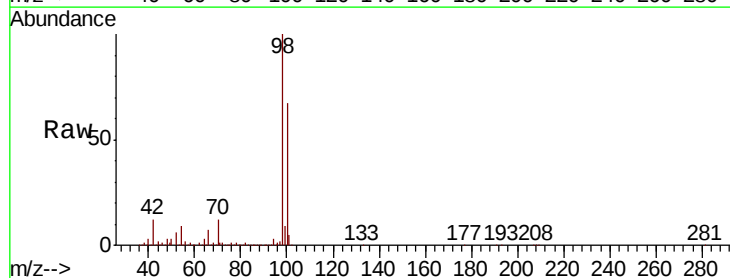


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

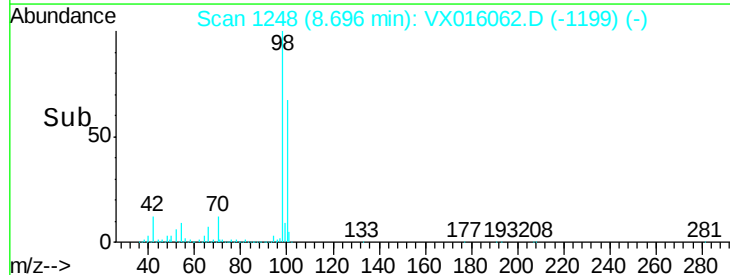
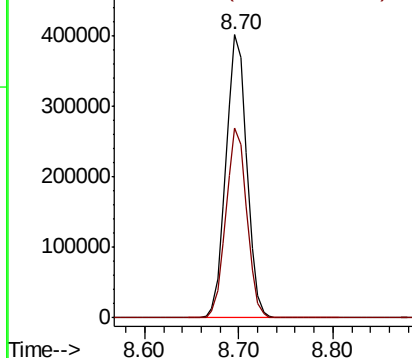


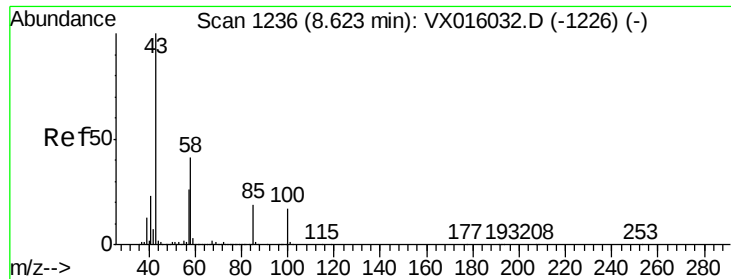
#50
Toluene-d8
Concen: 49.881 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016062.D
Acq: 05 May 2020 14:34

Tgt Ion: 98 Resp: 617578
Ion Ratio Lower Upper
98 100
100 66.9 53.7 80.5



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





#51

4-Methyl-2-Pentanone

Concen: 0.464 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.07 min

Lab File: VX016062.D

Acq: 05 May 2020 14:34

Instrument :

MSVOA_X

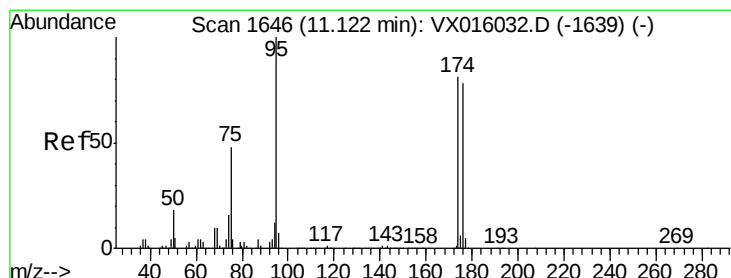
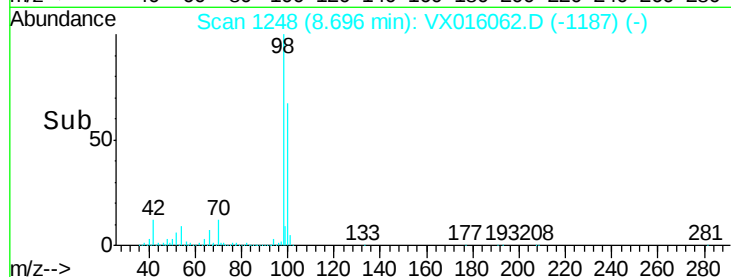
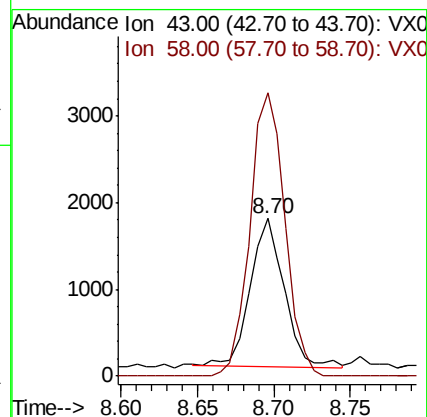
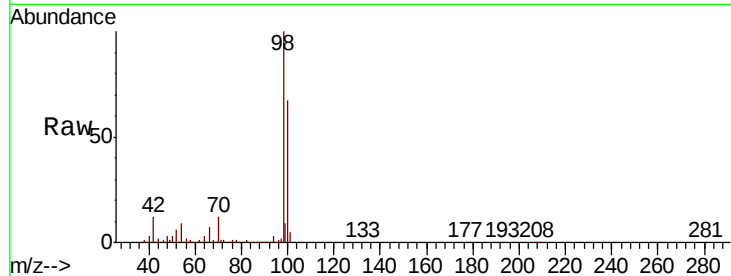
ClientSampleId :

Tot Ion: 43 Resp: 2620

Ion Ratio Lower Upper

43 100

58 197.3 33.0 49.4#



#62

4-Bromofluorobenzene

Concen: 53.298 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016062.D

Acq: 05 May 2020 14:34

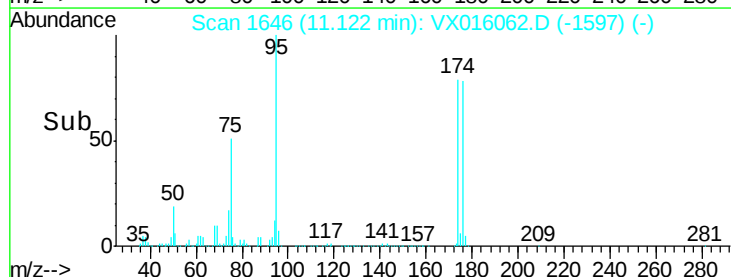
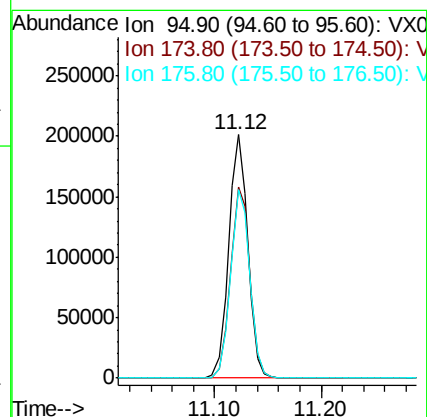
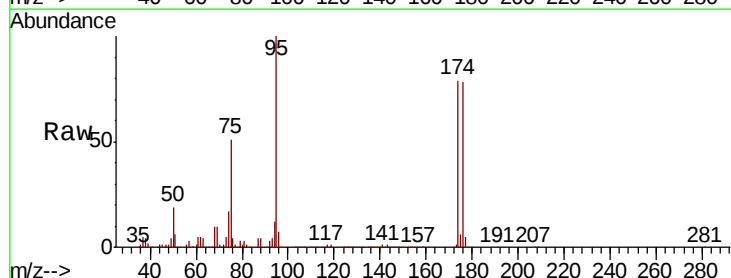
Tgt Ion: 95 Resp: 250990

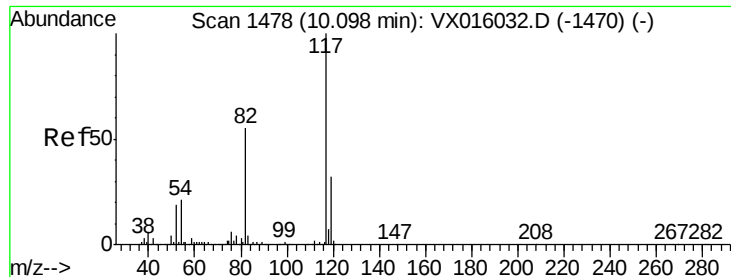
Ion Ratio Lower Upper

95 100

174 79.9 0.0 159.4

176 78.2 0.0 157.6

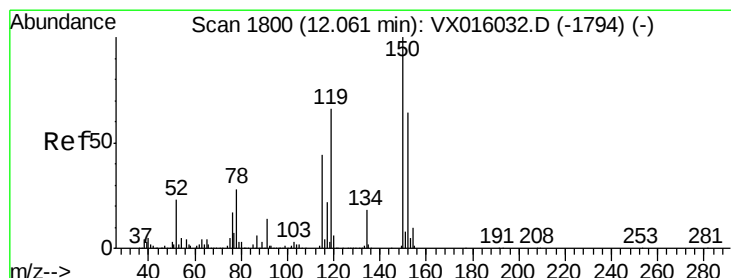
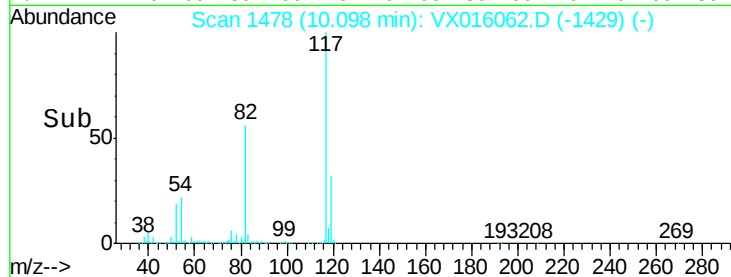
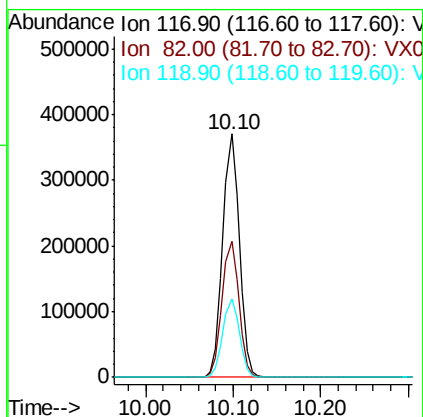
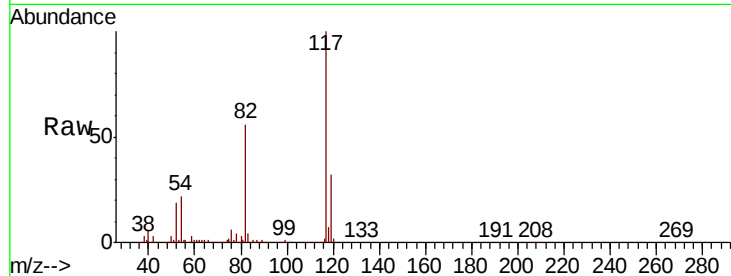




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016062.D
Acq: 05 May 2020 14:34

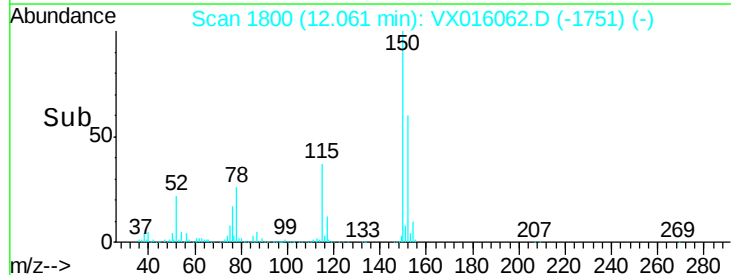
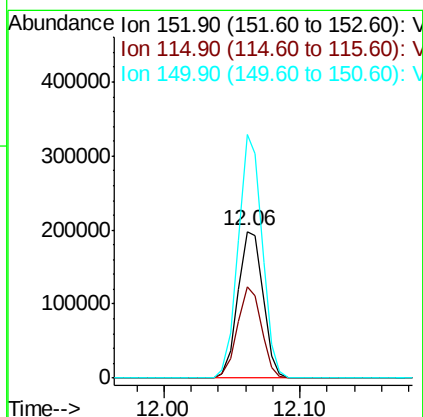
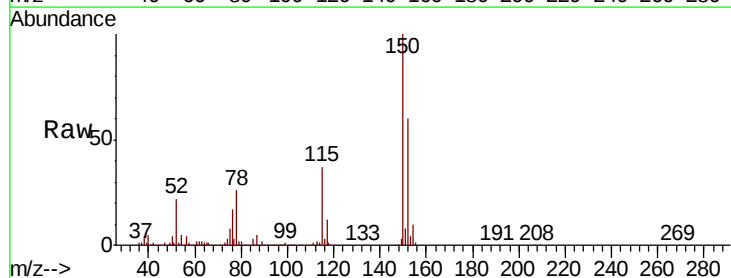
Instrument :
MSVOA_X
ClientSampled :

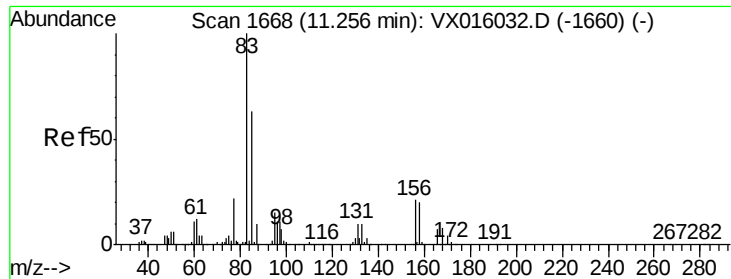
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.0	44.4	66.6
119	32.4	25.5	38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016062.D
Acq: 05 May 2020 14:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.6	41.3	124.1
150	158.5	0.0	352.2





#75

1,1,2,2-Tetrachloroethane

Concen: 4.870 ug/l

RT: 11.13 min Scan# 1647

Delta R.T. -0.13 min

Lab File: VX016062.D

Acq: 05 May 2020 14:34

Instrument :

MSVOA_X

ClientSampleId :

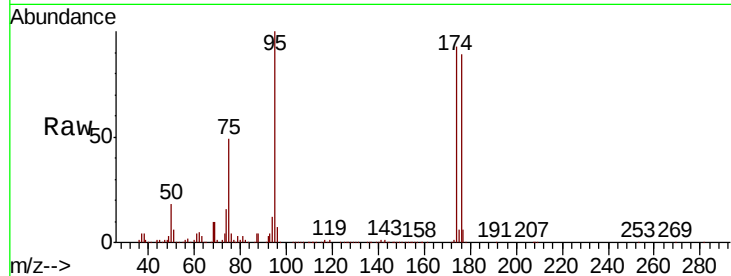
Tot Ion: 83 Resp: 258

Ion Ratio Lower Upper

83 100

131 153.9 5.1 15.4#

85 0.0 32.0 96.0#

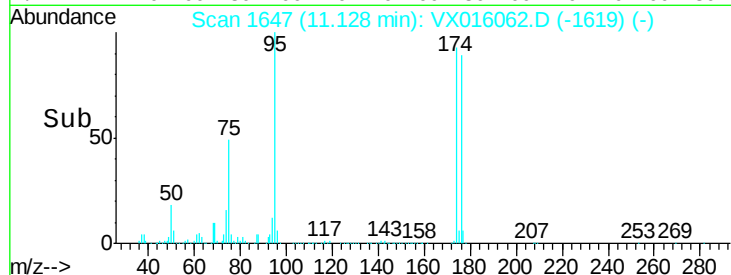


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0

Time-->

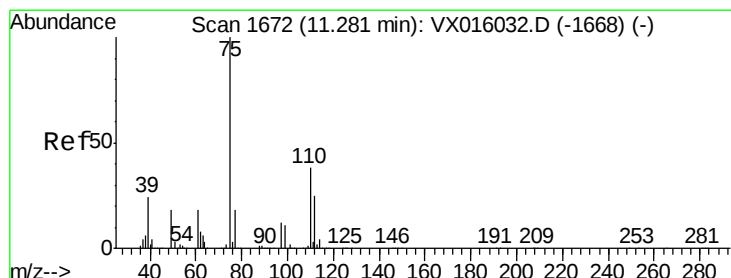


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0

Time-->



#76

1,2,3-Trichloropropane

Concen: 22.114 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016062.D

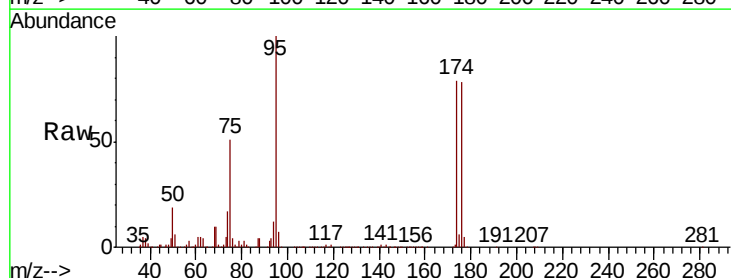
Acq: 05 May 2020 14:34

Tgt Ion: 75 Resp: 127861

Ion Ratio Lower Upper

75 100

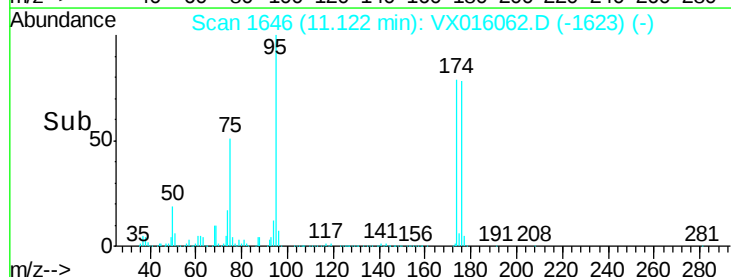
77 1.3 21.2 63.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

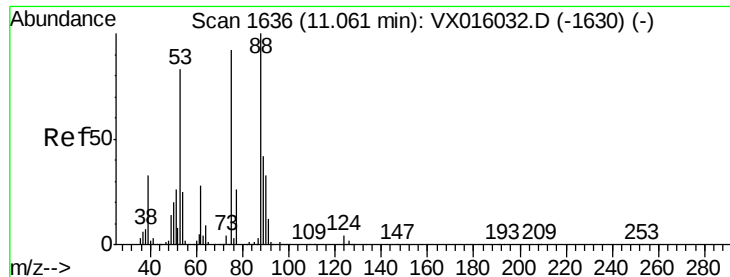
Time-->



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 52.699 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016062.D

Acq: 05 May 2020 14:34

Instrument :

MSVOA_X

ClientSampled :

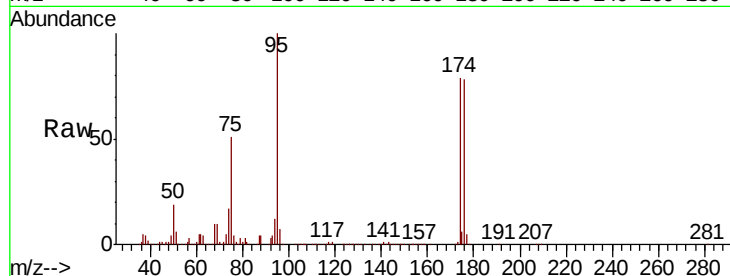
Tot Ion: 75 Resp: 127861

Ion Ratio Lower Upper

75 100

53 0.1 73.1 109.7#

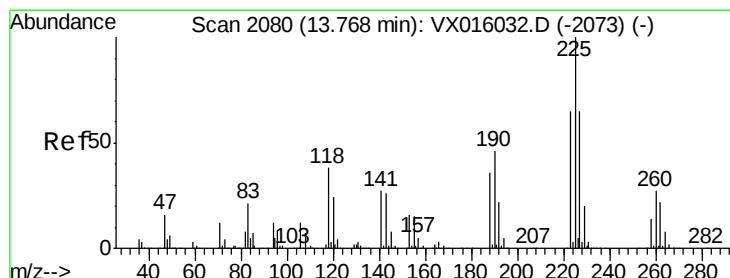
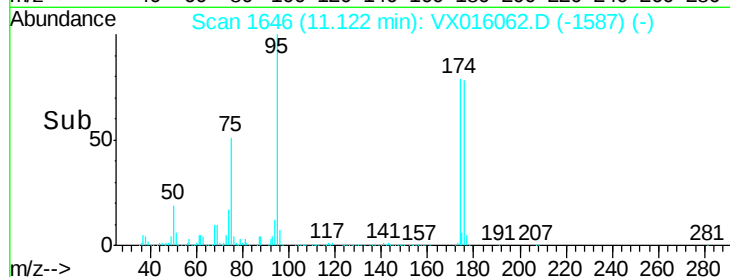
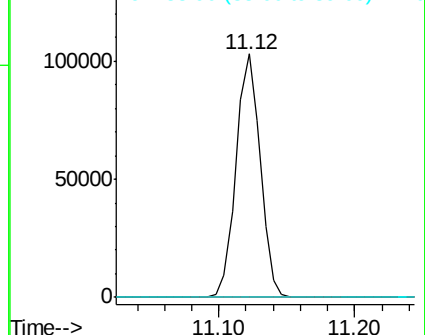
89 0.1 36.7 55.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#94

Hexachlorobutadiene

Concen: 0.605 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX016062.D

Acq: 05 May 2020 14:34

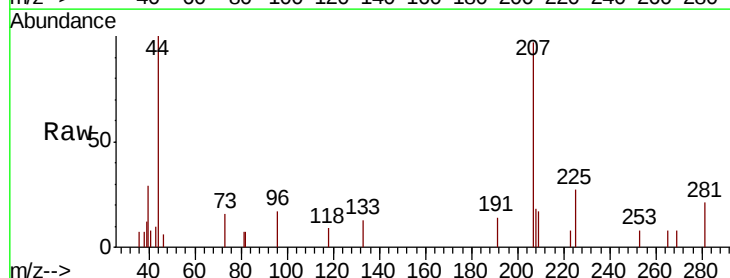
Tgt Ion: 225 Resp: 218

Ion Ratio Lower Upper

225 100

223 49.1 32.3 96.9

227 22.5 31.8 95.4#



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

