

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050820\
 Data File : VX016112.D
 Acq On : 08 May 2020 11:30
 Operator : JC/SP
 Sample : VX0508WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 09 01:45:57 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	5.64	168	289198	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	475720	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	462324	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	225760	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	176594	46.40	ug/l	0.00
Spiked Amount			Recovery	=	92.80%	
35) Dibromofluoromethane	5.47	113	137710	45.69	ug/l	0.00
Spiked Amount			Recovery	=	91.38%	
50) Toluene-d8	8.70	98	586290	50.49	ug/l	0.00
Spiked Amount			Recovery	=	100.98%	
62) 4-Bromofluorobenzene	11.12	95	227664	51.54	ug/l	0.00
Spiked Amount			Recovery	=	103.08%	

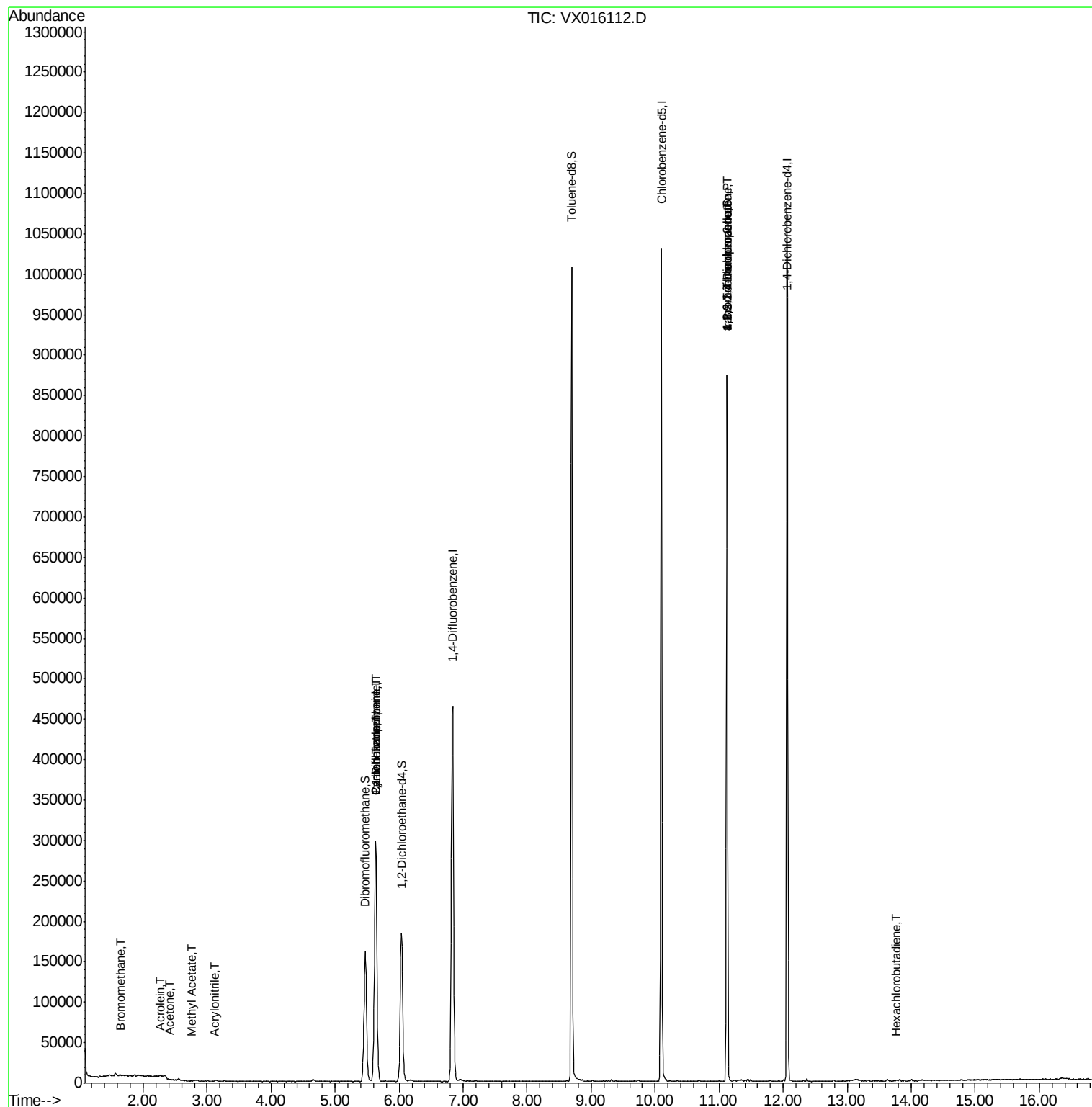
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	611	0.320	ug/l #	50
13) Acrolein	2.28	56	714	1.186	ug/l #	67
15) Acrylonitrile	3.12	53	595	0.298	ug/l #	83
16) Acetone	2.41	43	518	0.305	ug/l	98
18) Methyl Acetate	2.76	43	1084	0.260	ug/l #	58
31) Cyclohexane	5.63	56	5809	1.099	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	22487	4.802	ug/l #	49
38) Carbon Tetrachloride	5.64	117	27626	5.804	ug/l #	14
75) 1,1,2,2-Tetrachloroethane	11.12	83	163	2.102	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	115173	22.481	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	115173	53.575	ug/l #	13
94) Hexachlorobutadiene	13.77	225	184	0.601	ug/l #	43

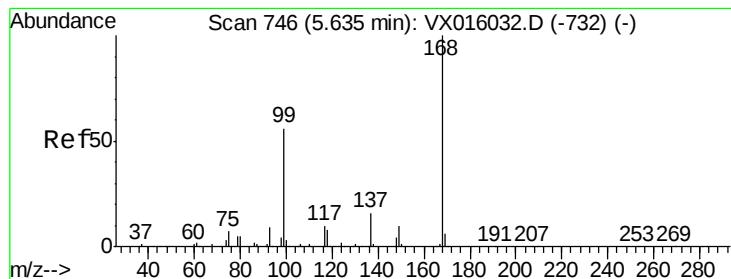
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :

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Quant Title : SW846 8260
QLast Update : Wed May 06 06:43:32 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: VX016112.D

Acq: 08 May 2020 11:30

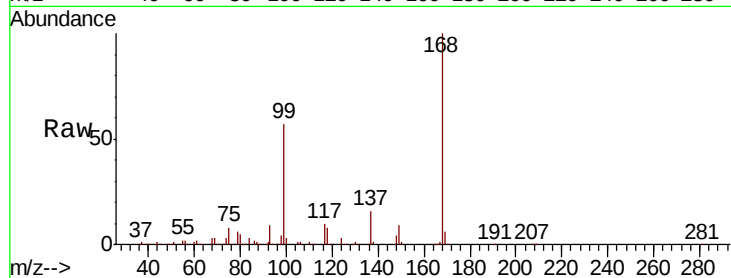
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 289198

Ion Ratio Lower Upper

168 100

99 56.6 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

100000

80000

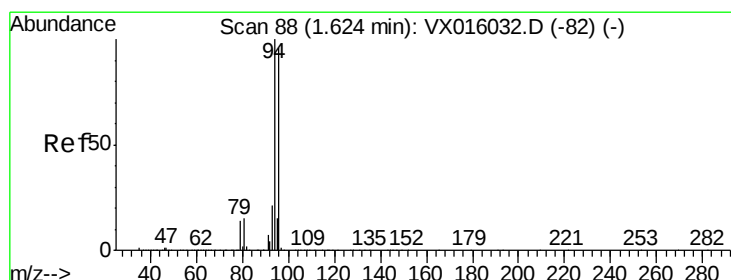
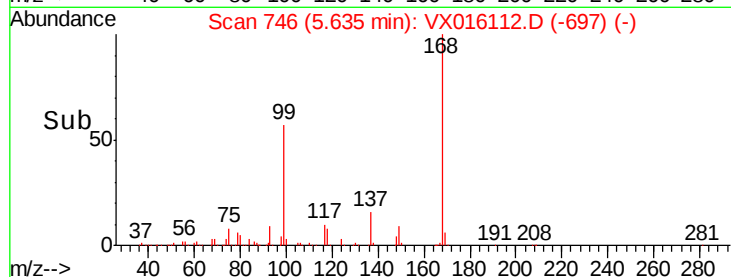
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.320 ug/l

RT: 1.65 min Scan# 92

Delta R.T. 0.02 min

Lab File: VX016112.D

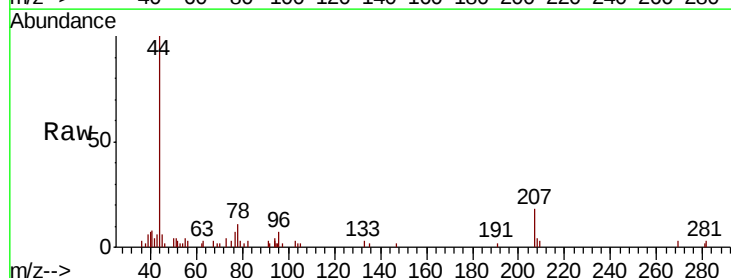
Acq: 08 May 2020 11:30

Tgt Ion: 94 Resp: 611

Ion Ratio Lower Upper

94 100

96 47.5 76.9 115.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

250

200

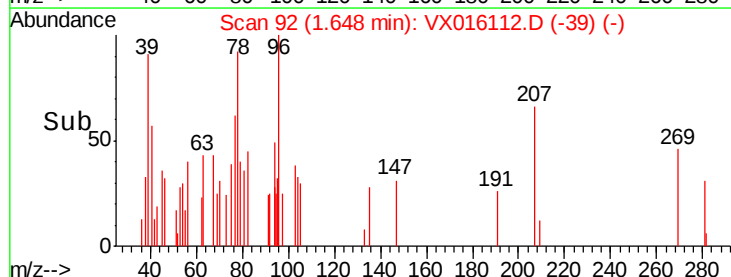
150

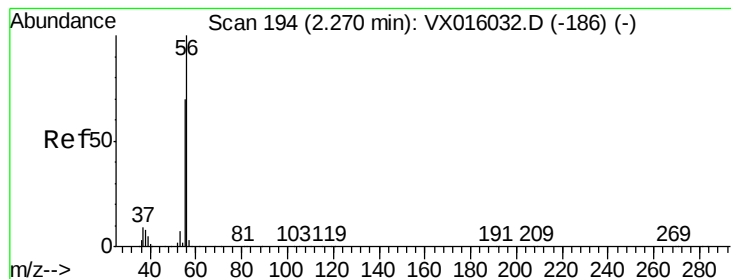
100

50

0

Time-->





#13

Acrolein

Concen: 1.186 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX016112.D

Acq: 08 May 2020 11:30

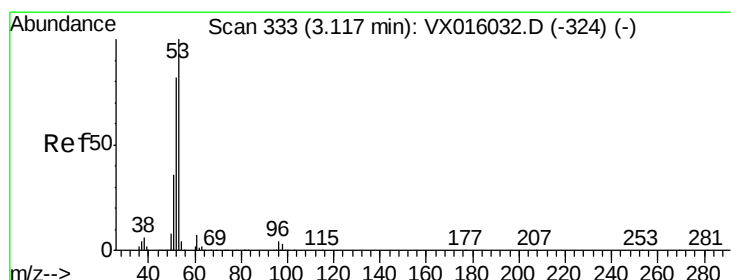
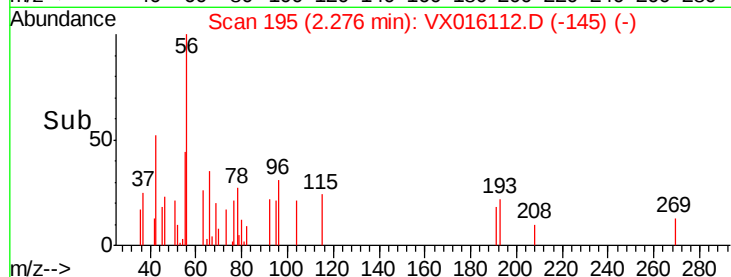
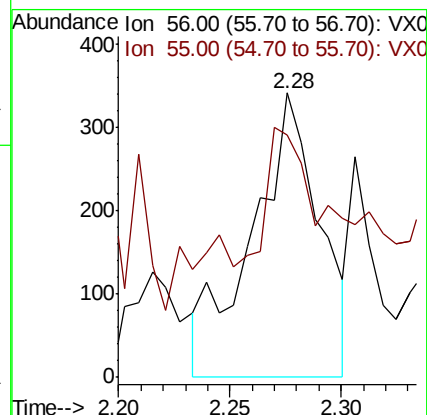
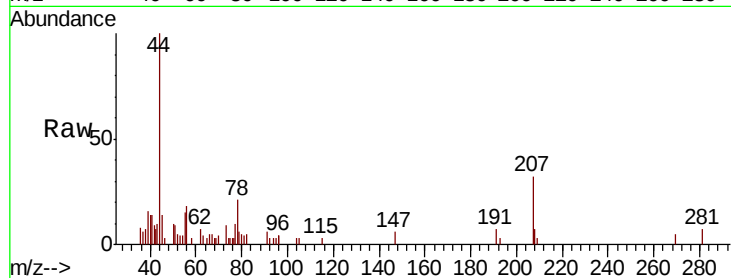
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 714

Ion Ratio Lower Upper

56 100

55 43.3 56.5 84.7#



#15

Acrylonitrile

Concen: 0.298 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX016112.D

Acq: 08 May 2020 11:30

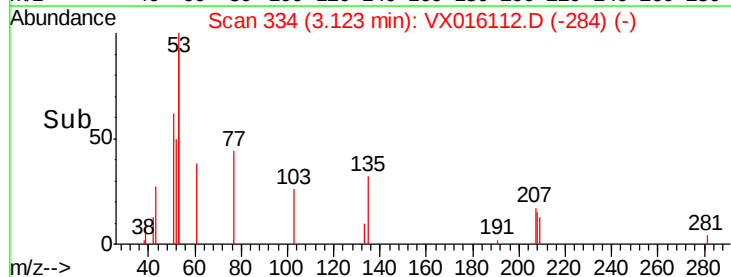
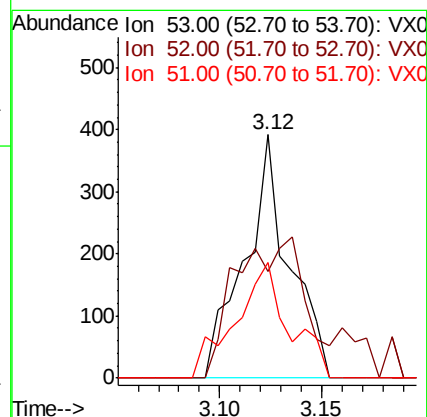
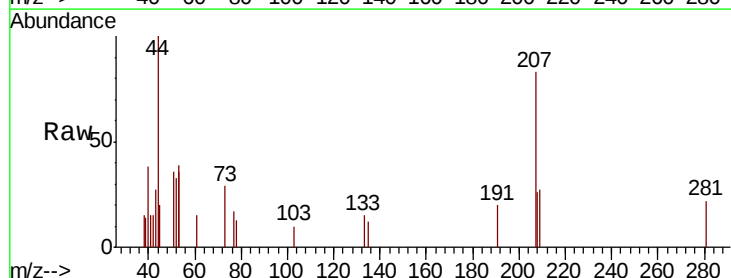
Tgt Ion: 53 Resp: 595

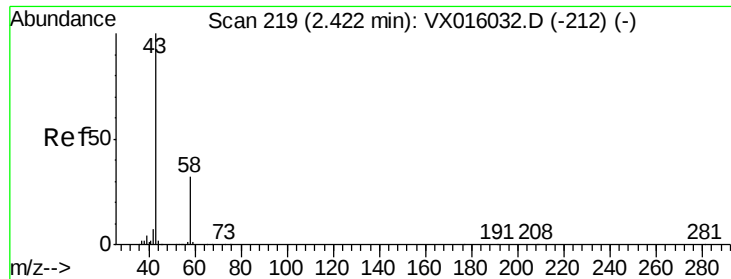
Ion Ratio Lower Upper

53 100

52 90.1 66.1 99.1

51 57.3 28.8 43.2#





#16

Acetone

Concen: 0.305 ug/l

RT: 2.41 min Scan# 217

Delta R.T. -0.01 min

Lab File: VX016112.D

Acq: 08 May 2020 11:30

Instrument :

MSVOA_X

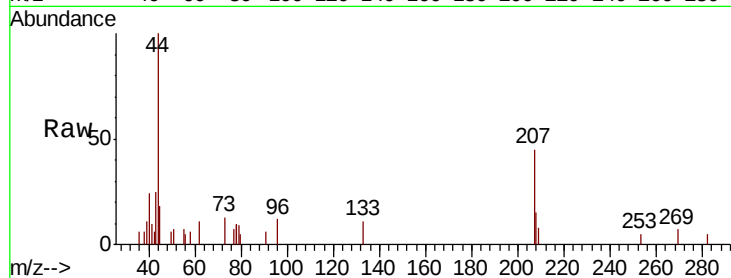
ClientSampleId :

Tot Ion: 43 Resp: 518

Ion Ratio Lower Upper

43 100

58 32.5 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.41

300

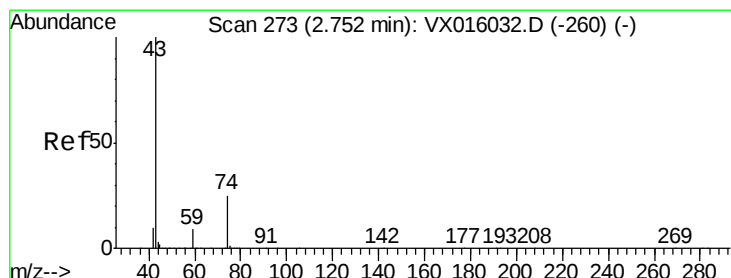
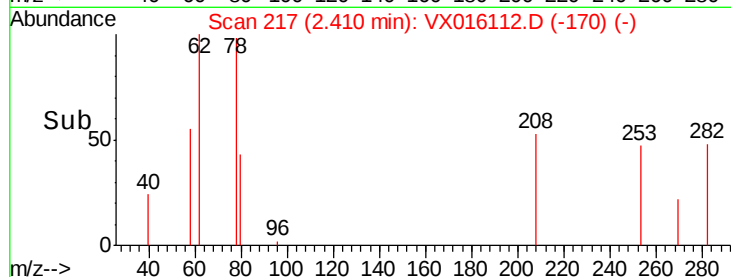
200

100

0

2.40 2.45

Time-->



#18

Methyl Acetate

Concen: 0.260 ug/l

RT: 2.76 min Scan# 274

Delta R.T. 0.01 min

Lab File: VX016112.D

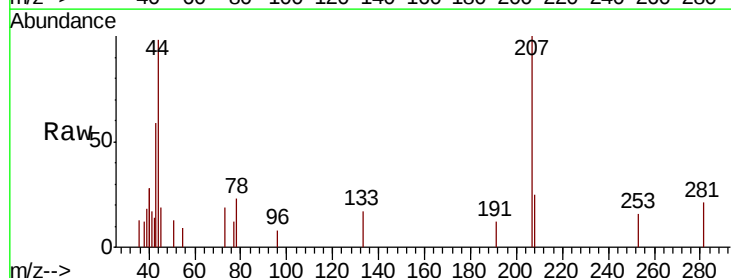
Acq: 08 May 2020 11:30

Tgt Ion: 43 Resp: 1084

Ion Ratio Lower Upper

43 100

74 4.2 20.2 30.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.76

400

300

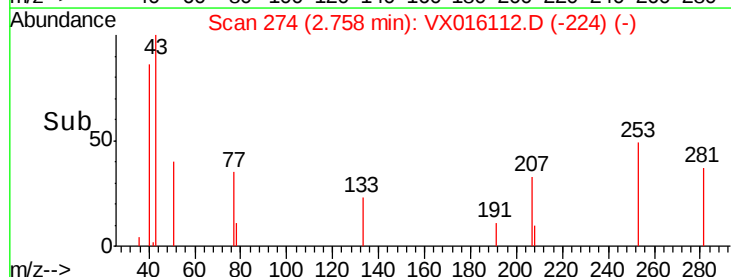
200

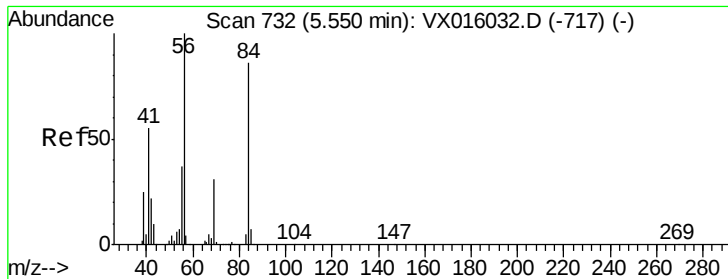
100

0

2.65 2.70 2.75 2.80

Time-->

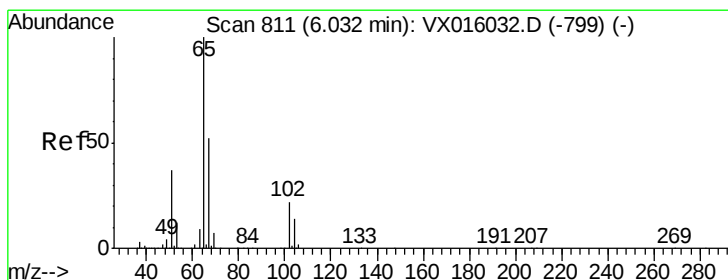
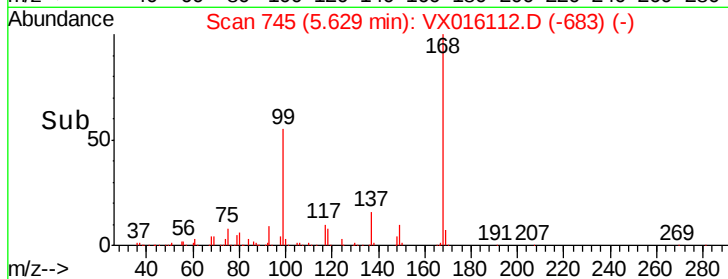
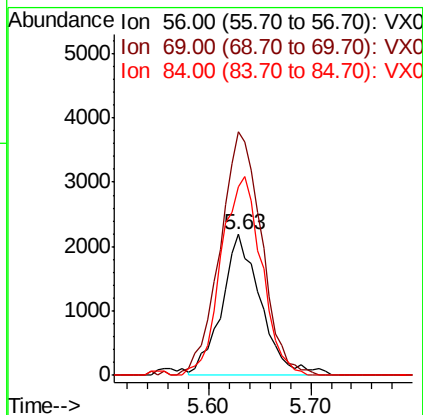
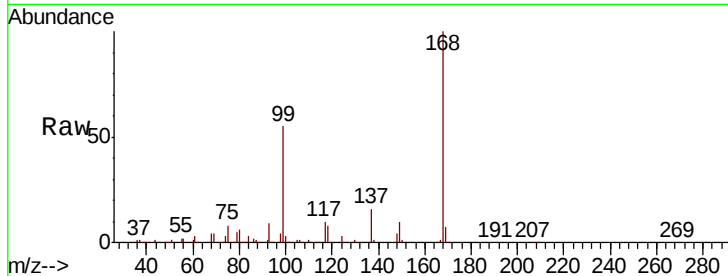




#31
Cyclohexane
Concen: 1.099 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX016112.D
Acq: 08 May 2020 11:30

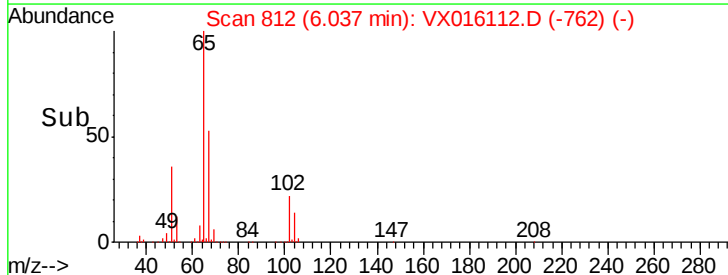
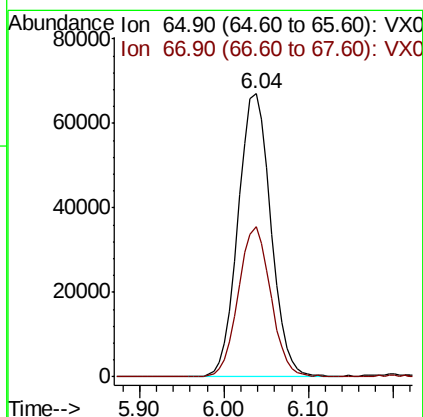
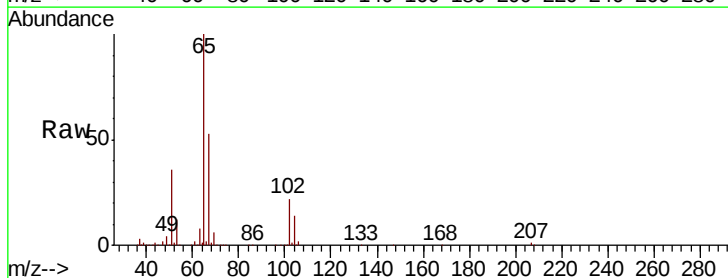
Instrument :
MSVOA_X
ClientSampleId :

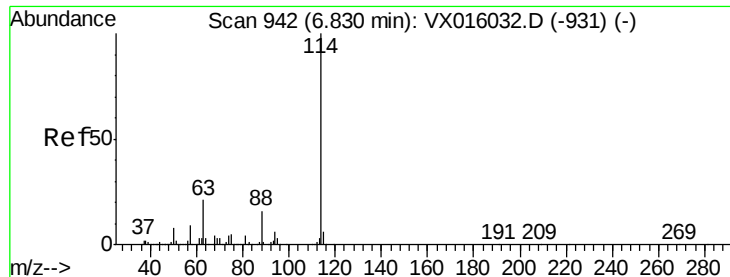
Tot Ion: 56 Resp: 5809
Ion Ratio Lower Upper
56 100
69 172.5 25.0 37.6#
84 133.9 69.0 103.6#



#33
1,2-Dichloroethane-d4
Concen: 46.404 ug/l
RT: 6.04 min Scan# 812
Delta R.T. 0.01 min
Lab File: VX016112.D
Acq: 08 May 2020 11:30

Tgt Ion: 65 Resp: 176594
Ion Ratio Lower Upper
65 100
67 52.5 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: VX016112.D

Acq: 08 May 2020 11:30

Instrument :

MSVOA_X

ClientSampleId :

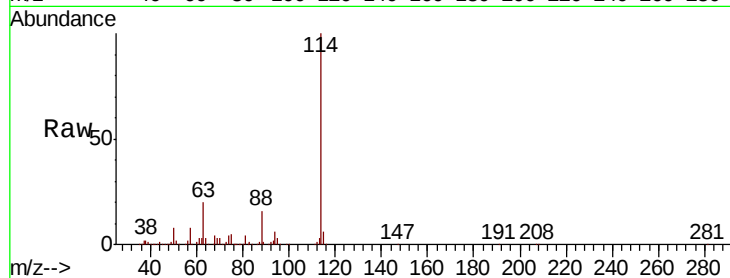
Tot Ion:114 Resp: 475720

Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.8

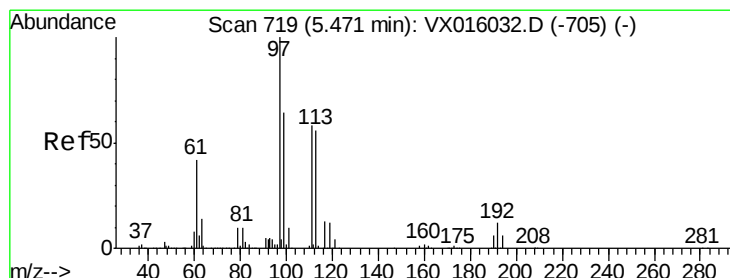
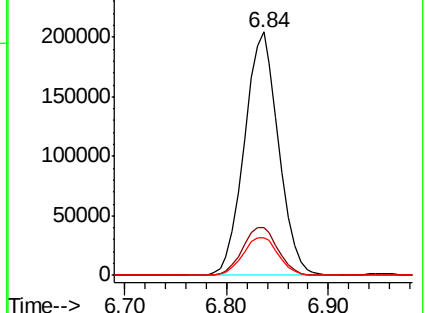
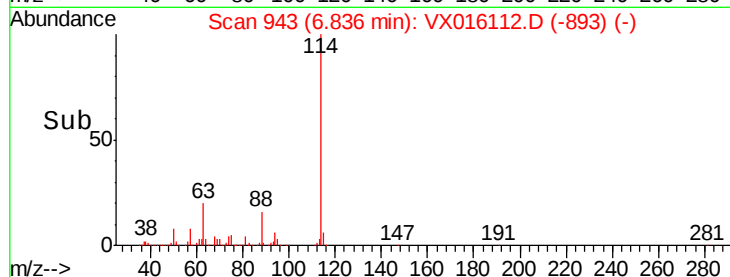
88 15.5 0.0 31.4



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: 45.692 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016112.D

Acq: 08 May 2020 11:30

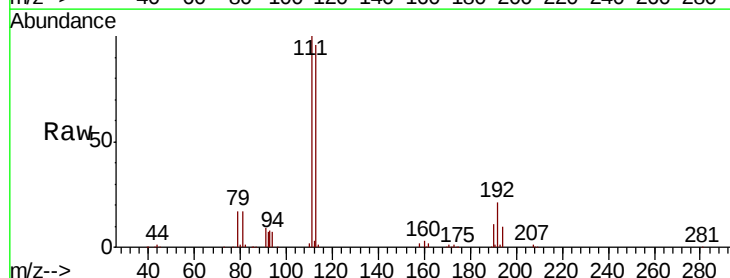
Tgt Ion:113 Resp: 137710

Ion Ratio Lower Upper

113 100

111 104.0 81.6 122.4

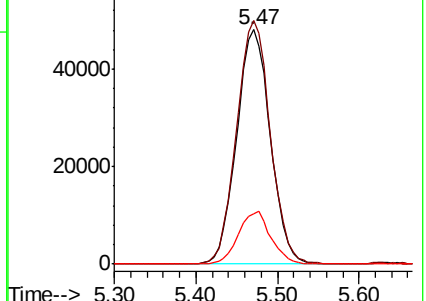
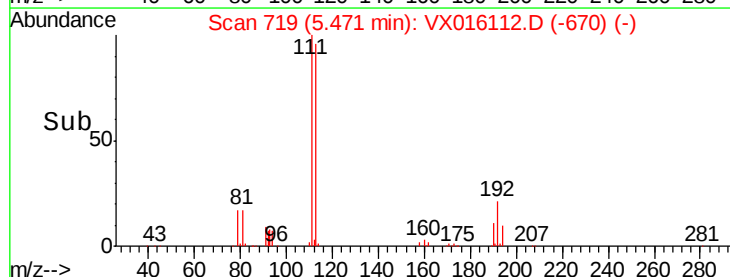
192 21.6 17.0 25.4

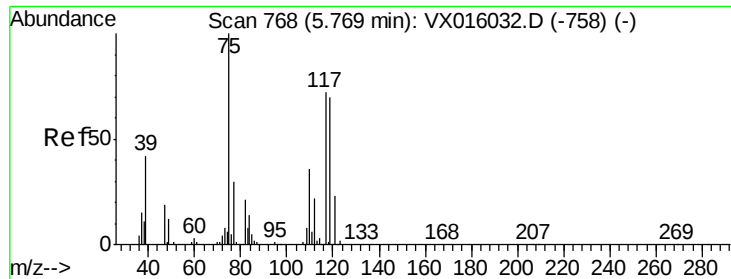


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

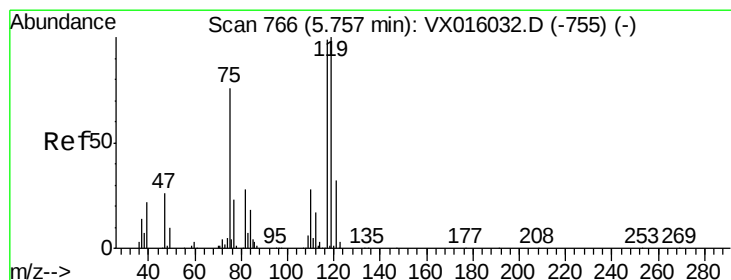
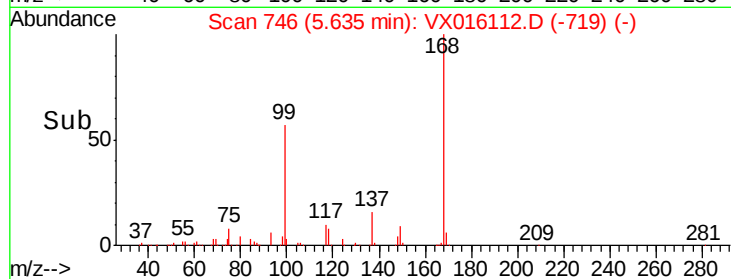
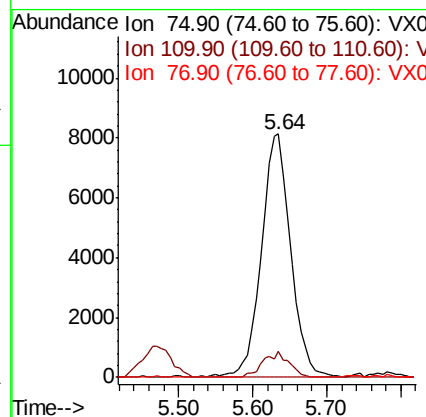
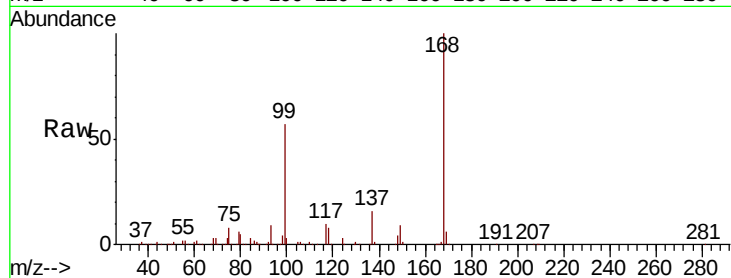




#36
 1,1-Dichloropropene
 Concen: 4.802 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX016112.D
 Acq: 08 May 2020 11:30

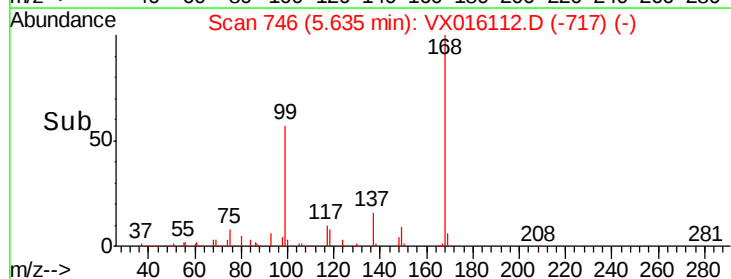
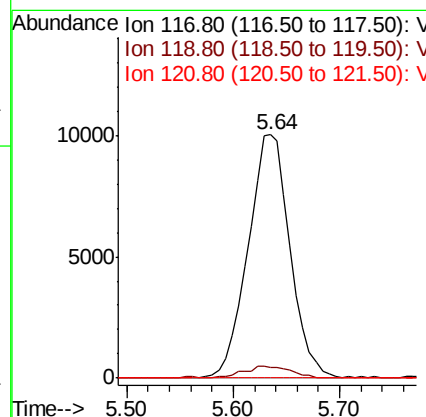
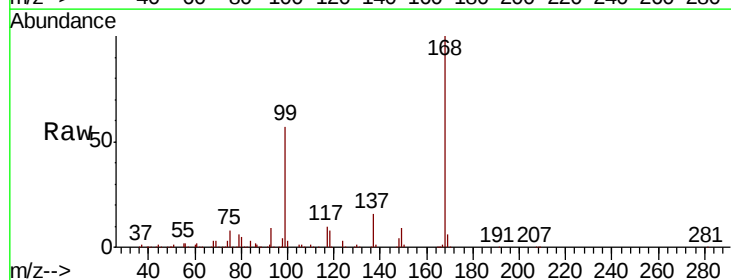
Instrument :
 MSVOA_X
 ClientSampleId :

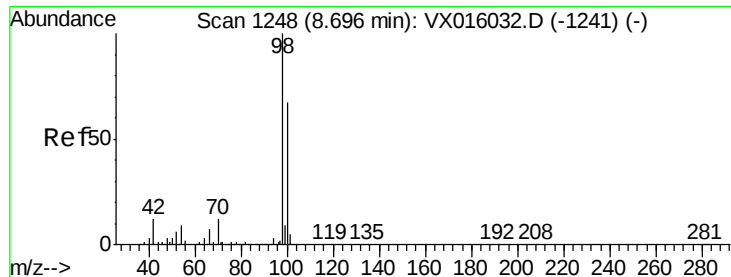
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.3	18.1	54.1#
77	0.0	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 5.804 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.12 min
 Lab File: VX016112.D
 Acq: 08 May 2020 11:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.6	80.3	120.5#
121	0.0	25.7	38.5#

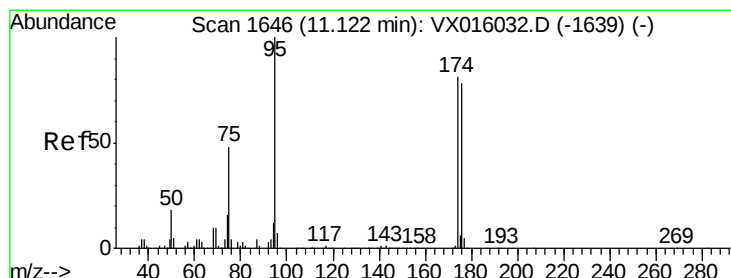
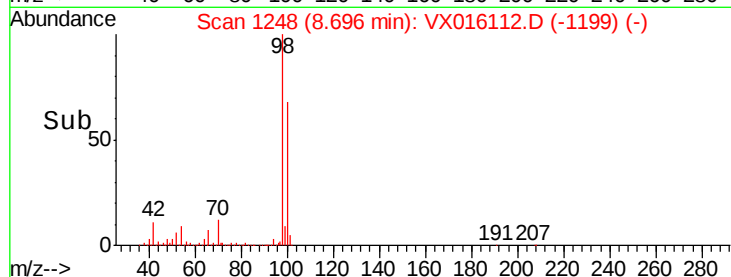
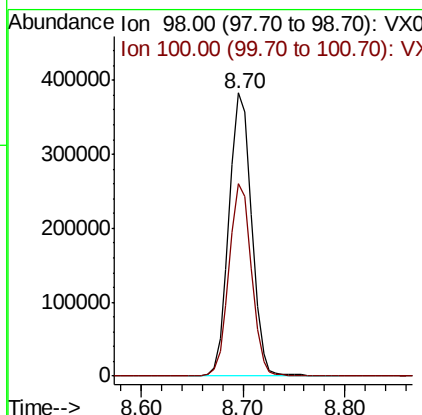
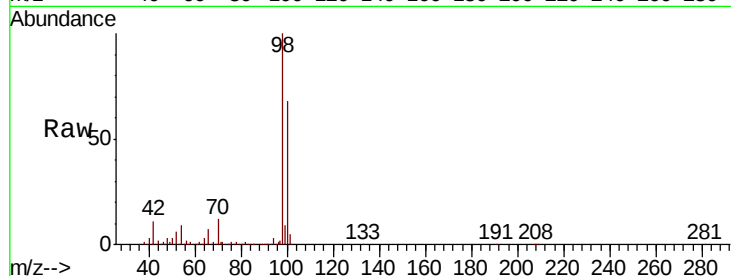




#50
Toluene-d8
Concen: 50.487 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016112.D
Acq: 08 May 2020 11:30

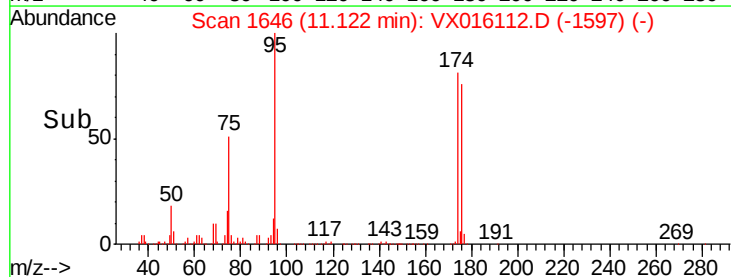
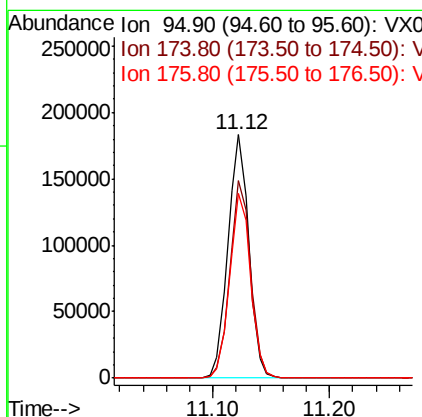
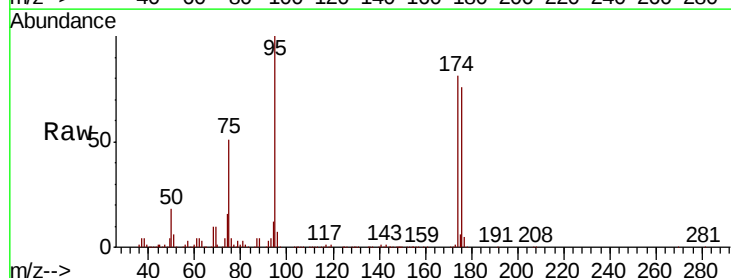
Instrument :
MSVOA_X
ClientSampleId :

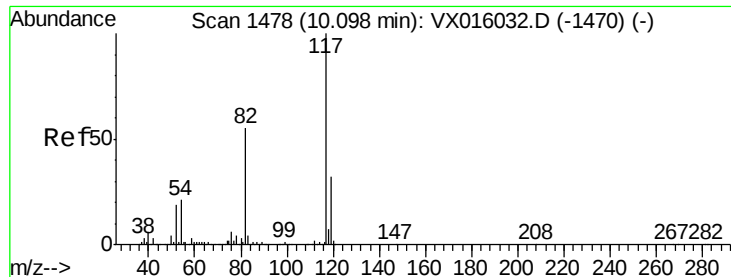
Tot Ion: 98 Resp: 586290
Ion Ratio Lower Upper
98 100
100 67.8 53.7 80.5



#62
4-Bromofluorobenzene
Concen: 51.543 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016112.D
Acq: 08 May 2020 11:30

Tgt Ion: 95 Resp: 227664
Ion Ratio Lower Upper
95 100
174 81.2 0.0 159.4
176 76.4 0.0 157.6

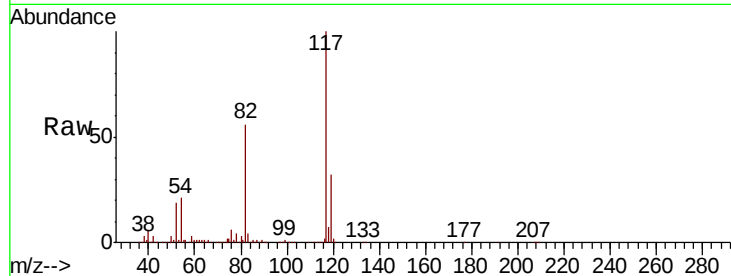




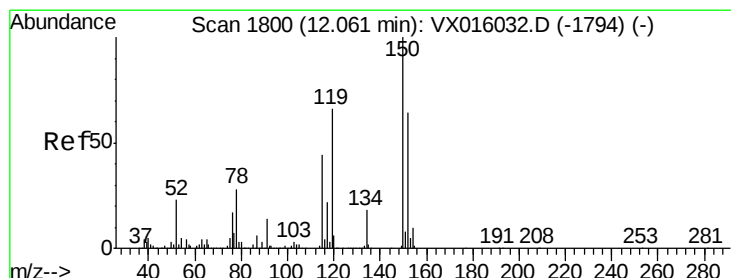
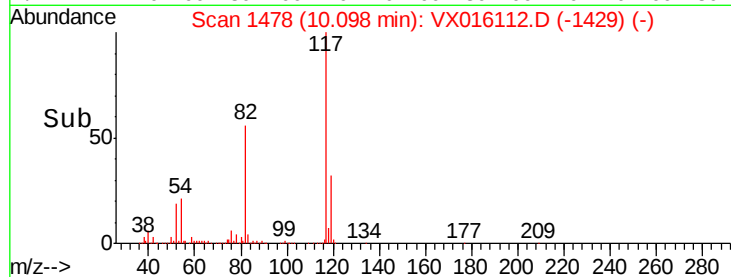
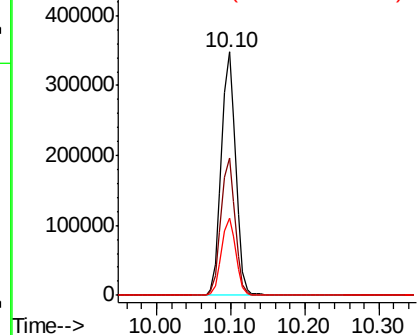
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016112.D
Acq: 08 May 2020 11:30

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 462324
Ion Ratio Lower Upper
117 100
82 56.3 44.4 66.6
119 31.6 25.5 38.3

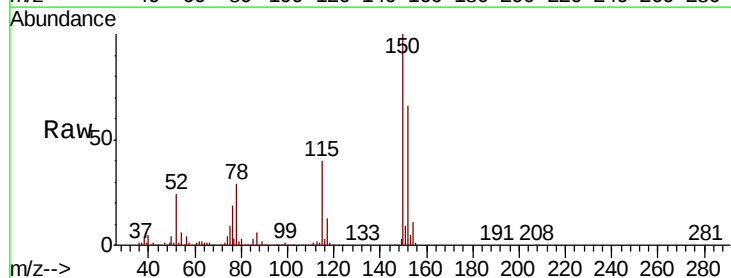


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

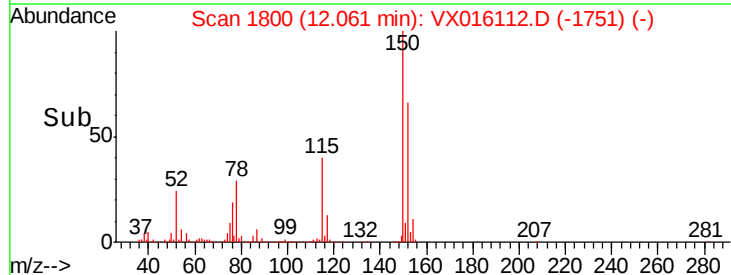
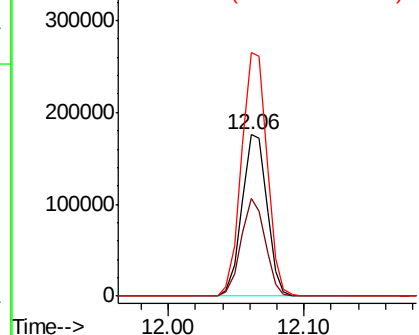


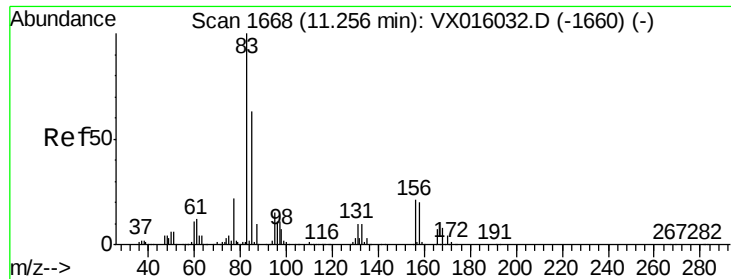
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016112.D
Acq: 08 May 2020 11:30

Tgt Ion:152 Resp: 225760
Ion Ratio Lower Upper
152 100
115 58.2 41.3 124.1
150 153.3 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: 2.102 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.13 min

Lab File: VX016112.D

Acq: 08 May 2020 11:30

Instrument :

MSVOA_X

ClientSampleId :

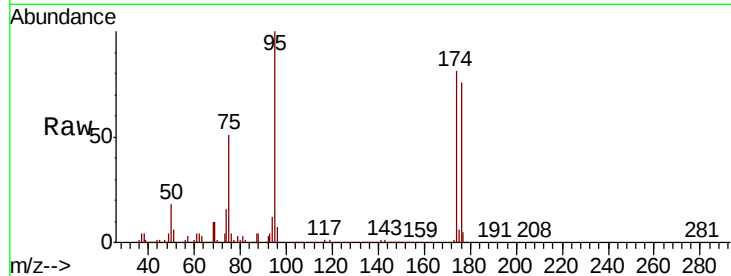
Tot Ion: 83 Resp: 163

Ion Ratio Lower Upper

83 100

131 214.7 5.1 15.4#

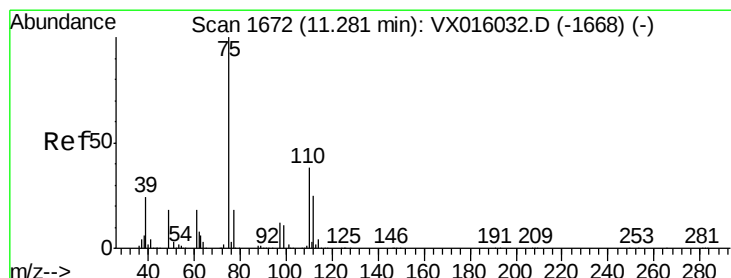
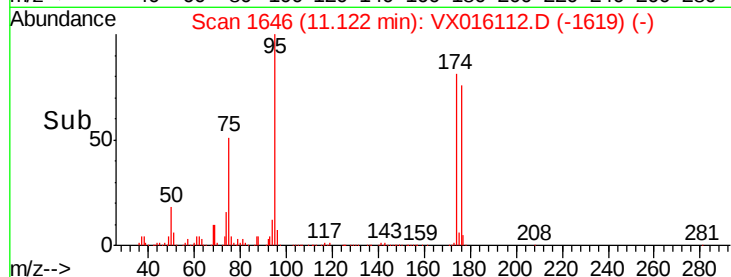
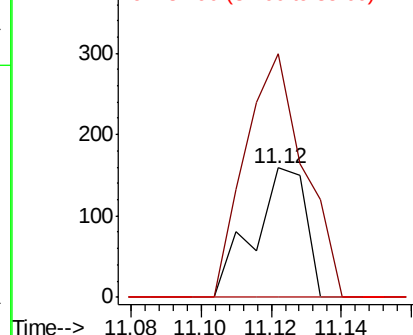
85 0.0 32.0 96.0#



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: 22.481 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016112.D

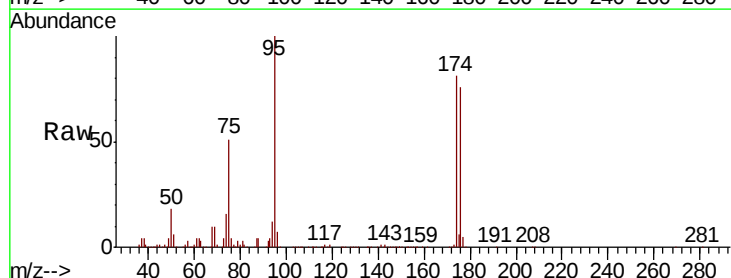
Acq: 08 May 2020 11:30

Tgt Ion: 75 Resp: 115173

Ion Ratio Lower Upper

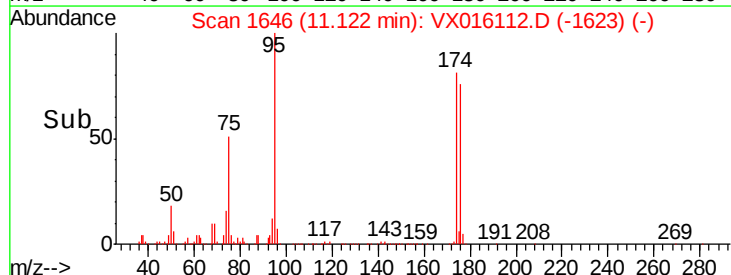
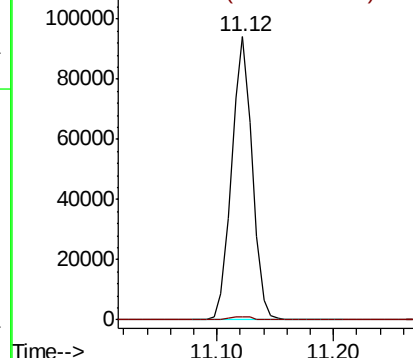
75 100

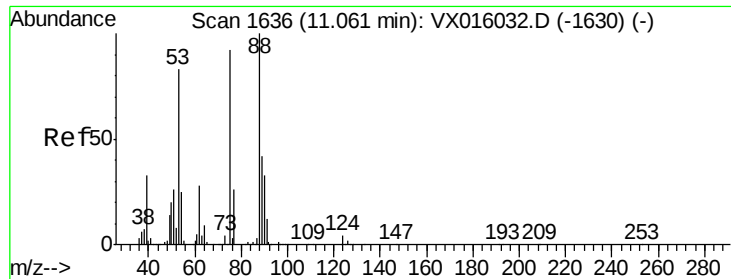
77 1.4 21.2 63.6#



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: 53.575 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016112.D

Acq: 08 May 2020 11:30

Instrument :

MSVOA_X

ClientSampleId :

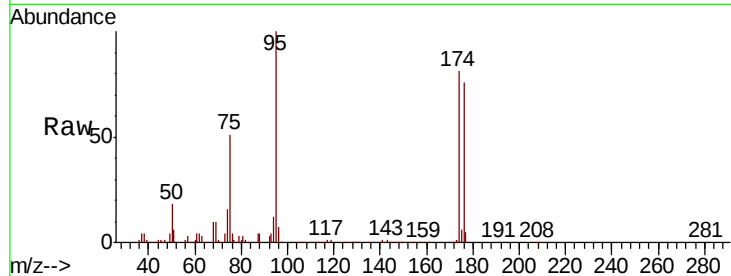
Tot Ion: 75 Resp: 115173

Ion Ratio Lower Upper

75 100

53 0.0 73.1 109.7#

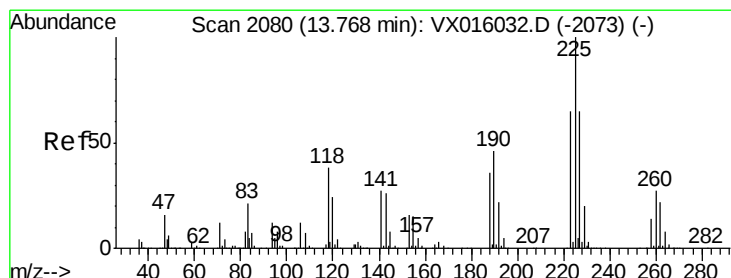
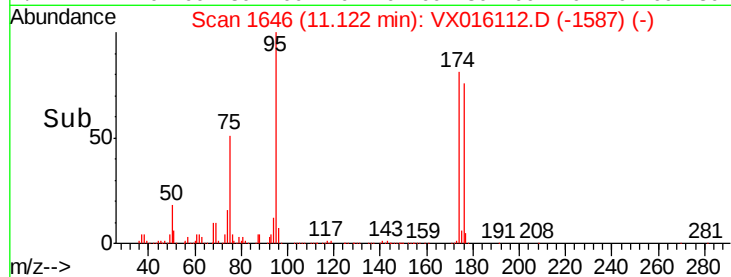
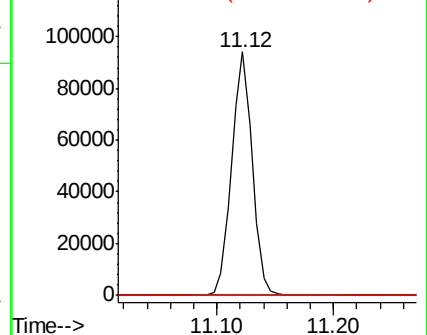
89 0.0 36.7 55.1#



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: 0.601 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX016112.D

Acq: 08 May 2020 11:30

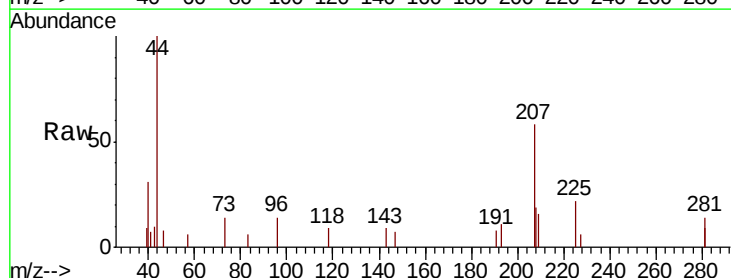
Tgt Ion: 225 Resp: 184

Ion Ratio Lower Upper

225 100

223 12.0 32.3 96.9#

227 27.2 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

