

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050420\
 Data File : VX016043.D
 Acq On : 04 May 2020 18:16
 Operator : JC/SP
 Sample : L2469-15
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-SW201-20200428

Quant Time: May 05 07:31:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 07:11:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	293019	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	480000	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	462872	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	242047	50.00	ug/l	0.00

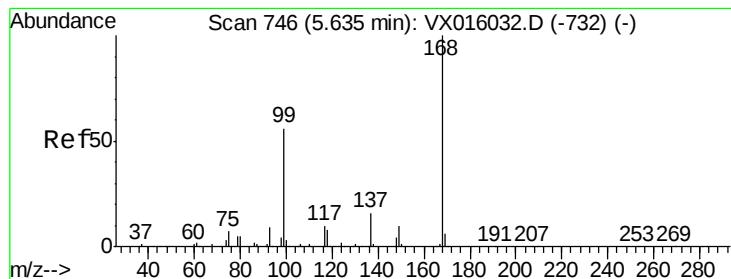
System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	184367	47.82	ug/l	0.00
Spiked Amount						
			Recovery	=	95.64%	
35) Dibromofluoromethane	5.47	113	140964	46.35	ug/l	0.00
Spiked Amount						
			Recovery	=	92.70%	
50) Toluene-d8	8.70	98	587723	50.16	ug/l	0.00
Spiked Amount						
			Recovery	=	100.32%	
62) 4-Bromofluorobenzene	11.12	95	235507	52.84	ug/l	0.00
Spiked Amount						
			Recovery	=	105.68%	

Target Compounds

					Qvalue	
8) Diethyl Ether	2.15	74	447	0.210	ug/l	55
11) Tert butyl alcohol	3.01	59	1283	1.316	ug/l #	91
13) Acrolein	2.28	56	476	0.780	ug/l	92
15) Acrylonitrile	3.12	53	449	0.222	ug/l #	71
16) Acetone	2.42	43	4469	2.598	ug/l	93
25) 2-Butanone	4.65	43	670	0.242	ug/l #	48
36) 1,1-Dichloropropene	5.63	75	22387	4.738	ug/l #	50
38) Carbon Tetrachloride	5.64	117	29000	6.038	ug/l #	14
75) 1,1,2,2-Tetrachloroethane	11.37	83	20	4.817	ug/l #	26
76) 1,2,3-Trichloropropane	11.12	75	122894	22.374	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	122894	53.320	ug/l #	13
94) Hexachlorobutadiene	13.77	225	242	0.619	ug/l	87

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX016043.D

Acq: 04 May 2020 18:16

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ClientSampleId :

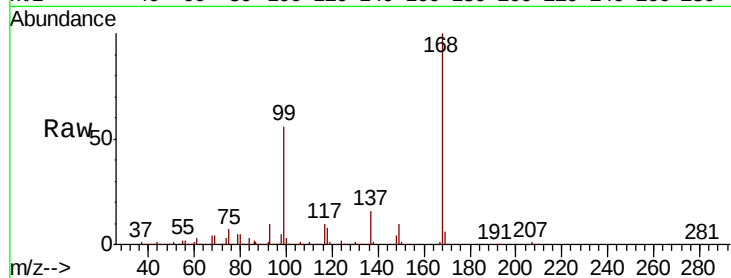
SA-SW201-20200428

Tot Ion:168 Resp: 293019

Ion Ratio Lower Upper

168 100

99 55.8 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

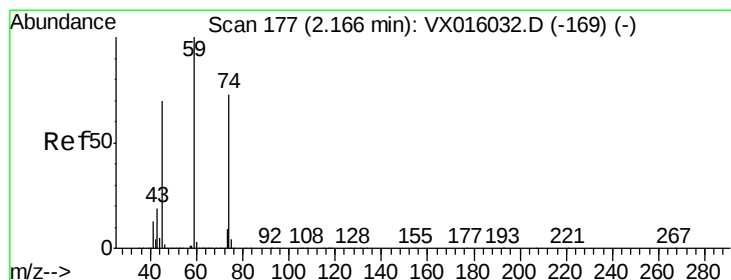
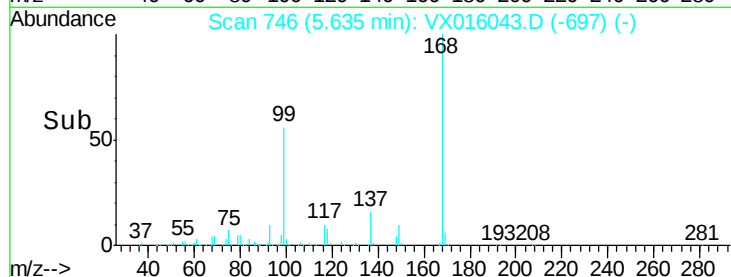
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 0.210 ug/l

RT: 2.15 min Scan# 175

Delta R.T. -0.01 min

Lab File: VX016043.D

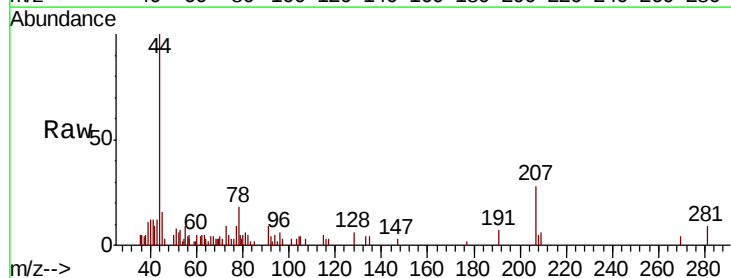
Acq: 04 May 2020 18:16

Tgt Ion: 74 Resp: 447

Ion Ratio Lower Upper

74 100

45 51.2 47.3 142.0



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

1000

800

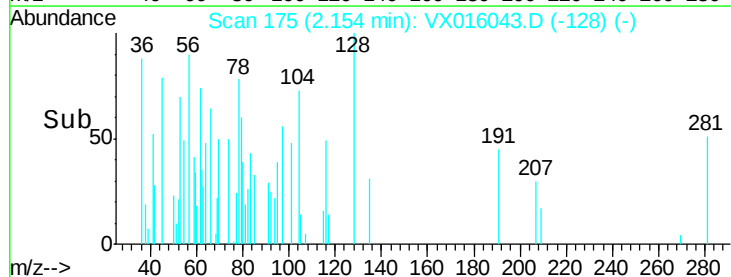
600

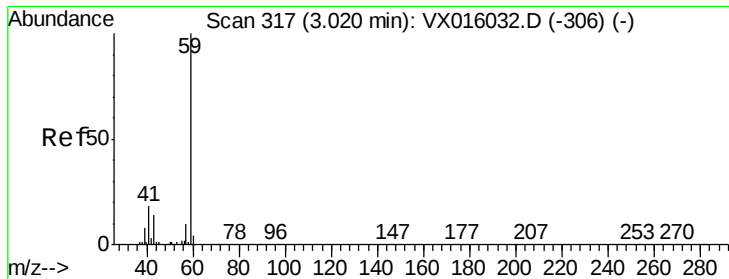
400

200

0

Time-->



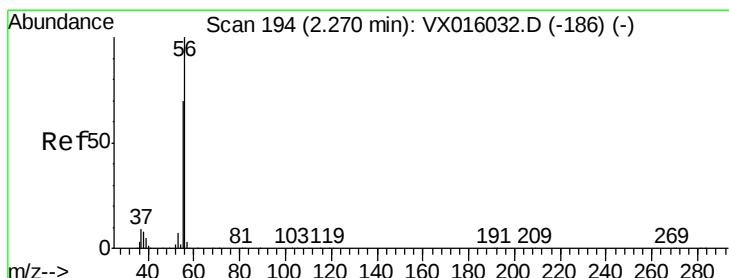
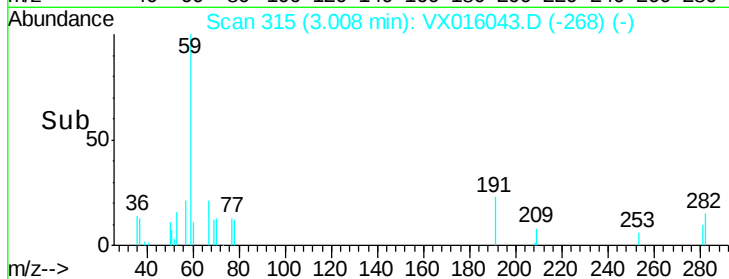
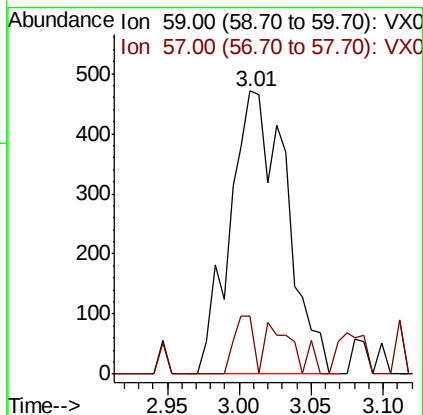
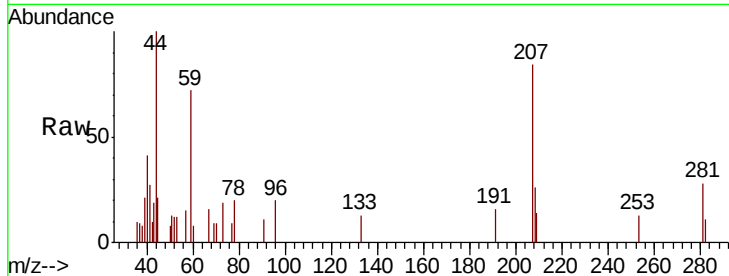


#11

Tert butyl alcohol
 Concen: 1.316 ug/l
 RT: 3.01 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: VX016043.D
 Acq: 04 May 2020 18:16

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-SW201-20200428

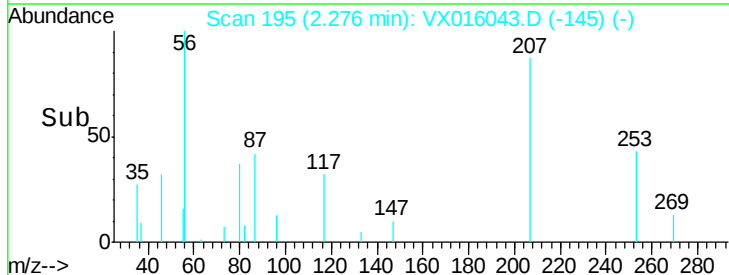
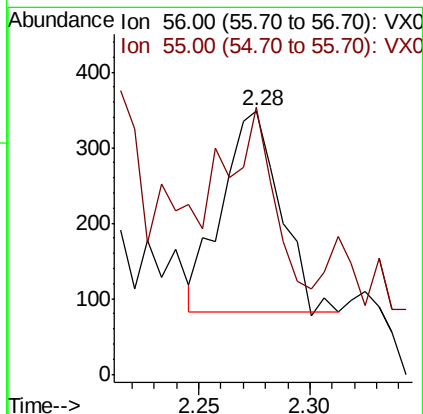
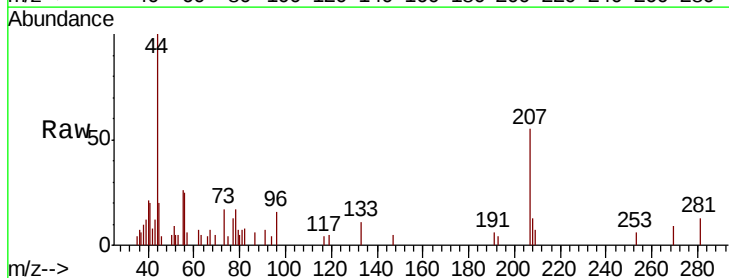
Tot Ion: 59 Resp: 1283
 Ion Ratio Lower Upper
 59 100
 57 7.1 8.2 12.4#

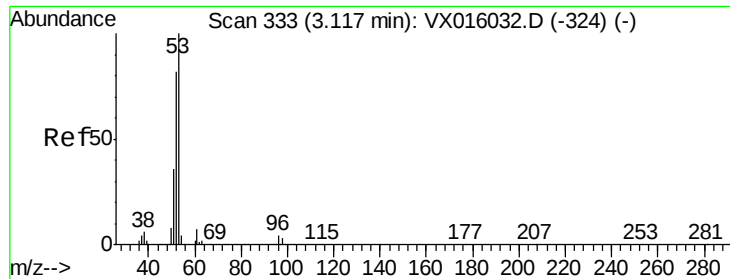


#13

Acrolein
 Concen: 0.780 ug/l
 RT: 2.28 min Scan# 195
 Delta R.T. 0.01 min
 Lab File: VX016043.D
 Acq: 04 May 2020 18:16

Tgt Ion: 56 Resp: 476
 Ion Ratio Lower Upper
 56 100
 55 77.3 56.5 84.7





#15

Acrylonitrile

Concen: 0.222 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX016043.D

Acq: 04 May 2020 18:16

Instrument :

MSVOA_X

ClientSampleId :

SA-SW201-20200428

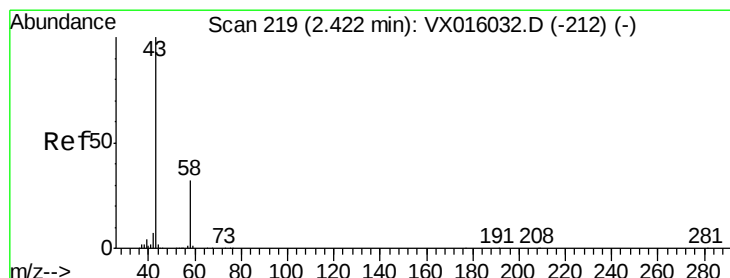
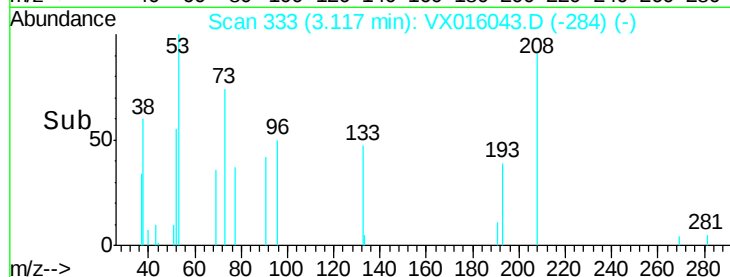
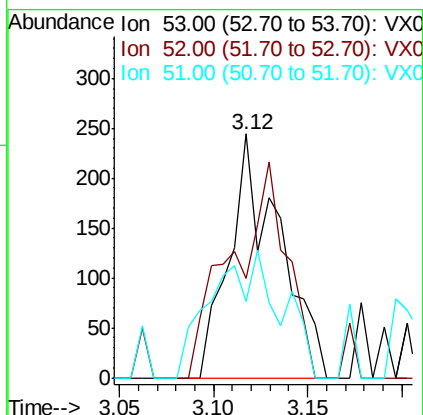
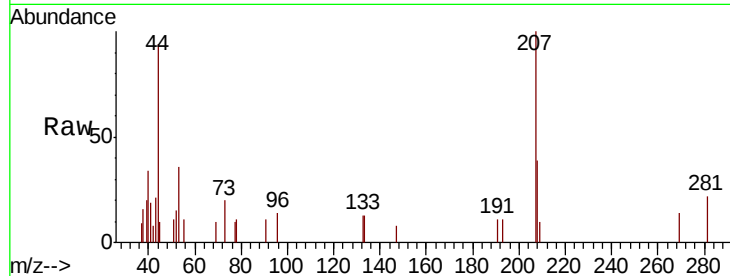
Tot Ion: 53 Resp: 449

Ion Ratio Lower Upper

53 100

52 96.4 66.1 99.1

51 71.7 28.8 43.2#



#16

Acetone

Concen: 2.598 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016043.D

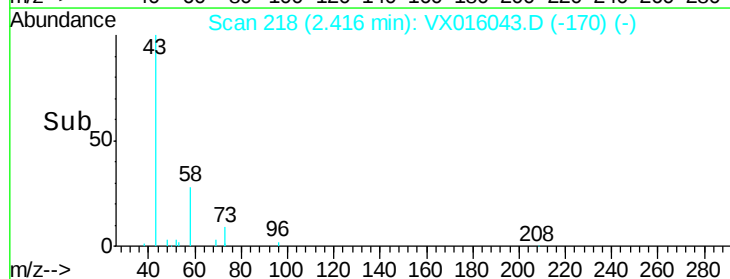
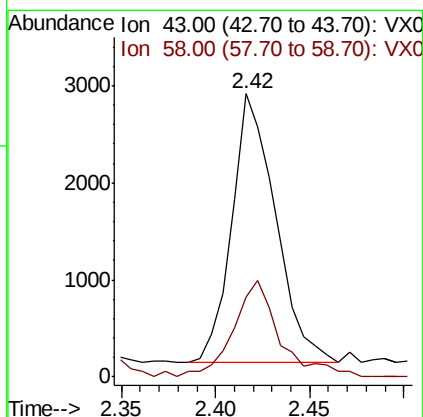
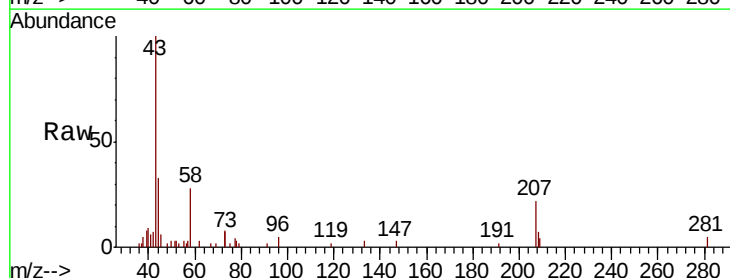
Acq: 04 May 2020 18:16

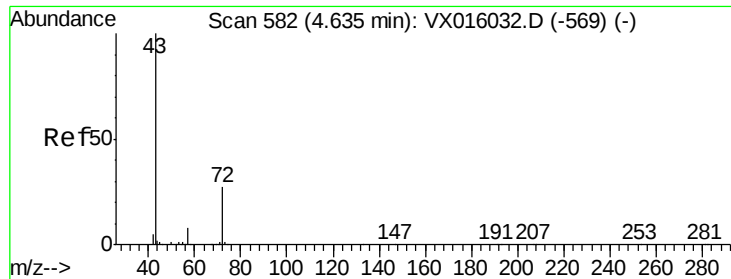
Tgt Ion: 43 Resp: 4469

Ion Ratio Lower Upper

43 100

58 27.9 25.4 38.0

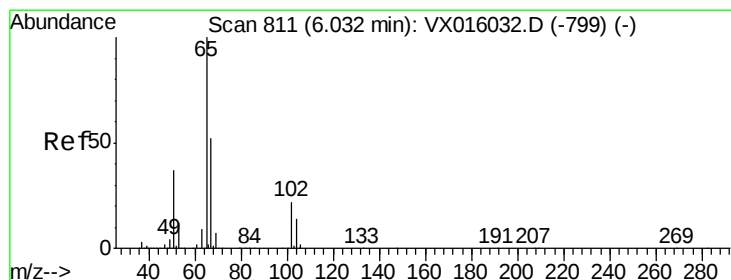
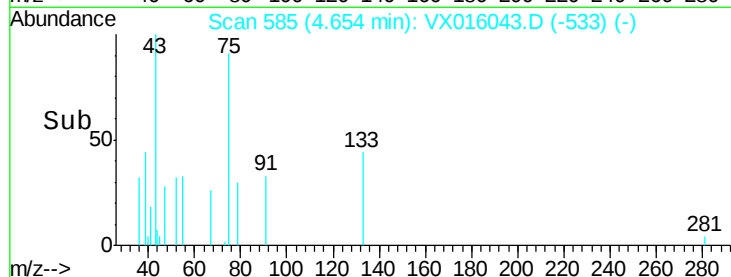
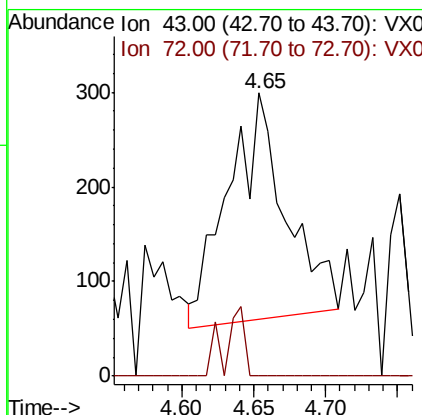
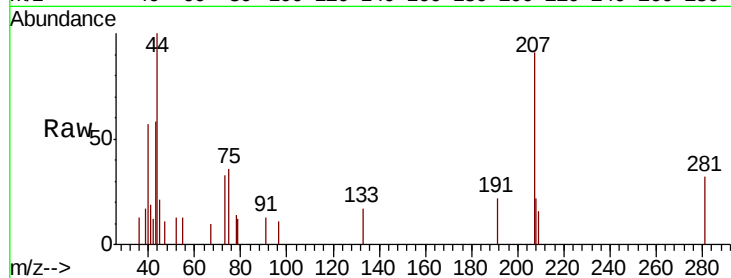




#25
2-Butanone
Concen: 0.242 ug/l
RT: 4.65 min Scan# 585
Delta R.T. 0.02 min
Lab File: VX016043.D
Acq: 04 May 2020 18:16

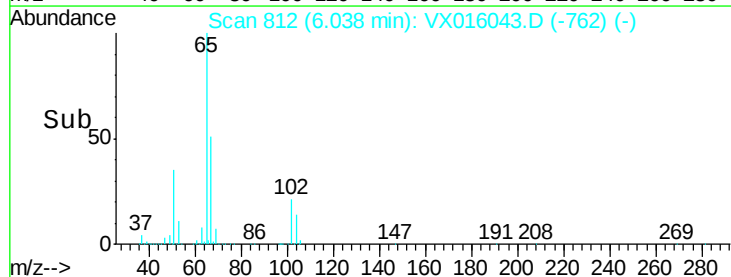
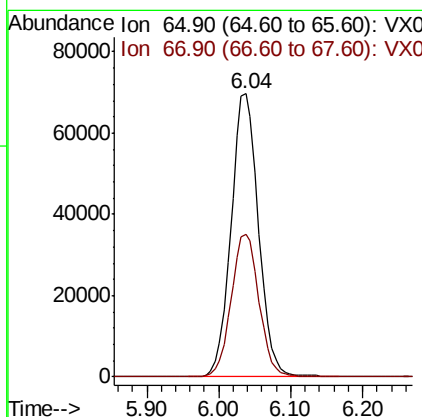
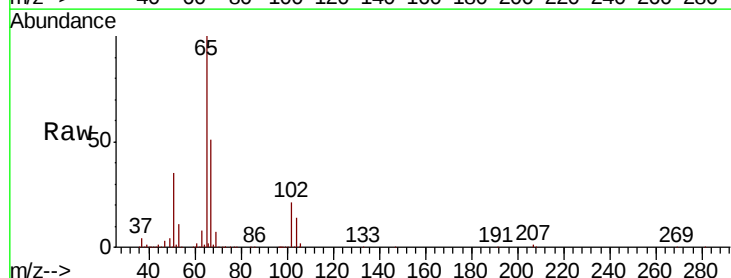
Instrument :
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SA-SW201-20200428

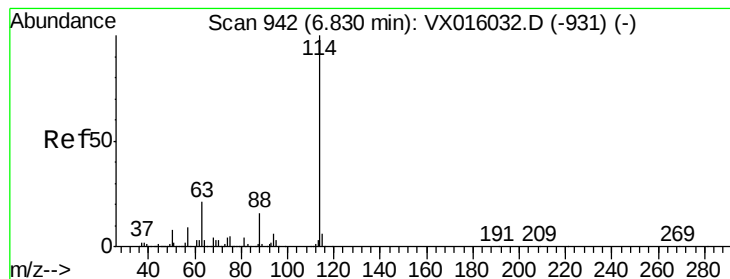
Tot Ion: 43 Resp: 670
Ion Ratio Lower Upper
43 100
72 0.0 21.8 32.8#



#33
1,2-Dichloroethane-d4
Concen: 47.815 ug/l
RT: 6.04 min Scan# 812
Delta R.T. 0.01 min
Lab File: VX016043.D
Acq: 04 May 2020 18:16

Tgt Ion: 65 Resp: 184367
Ion Ratio Lower Upper
65 100
67 51.0 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: VX016043.D

Acq: 04 May 2020 18:16

Instrument :

MSVOA_X

ClientSampleId :

SA-SW201-20200428

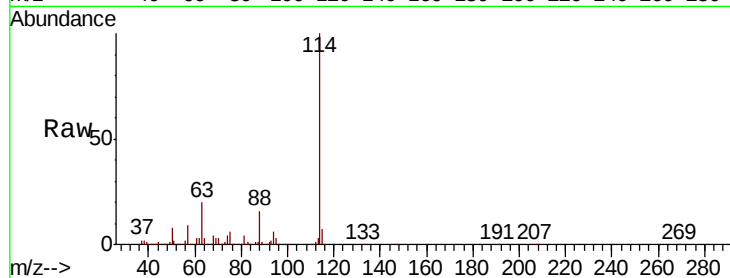
Tot Ion:114 Resp: 480000

Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.8

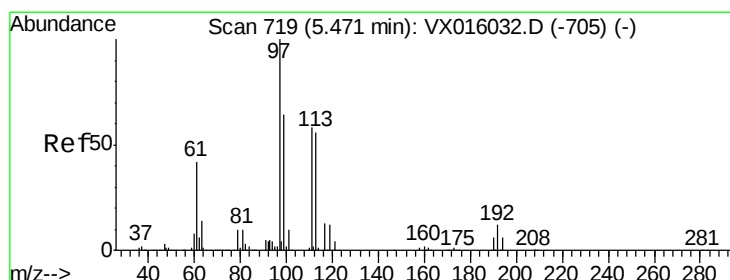
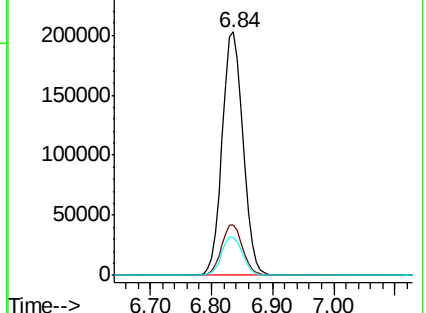
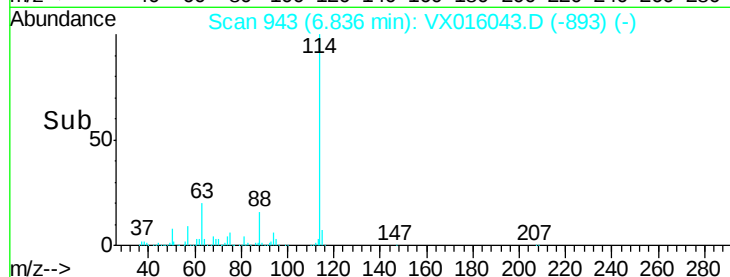
88 15.5 0.0 31.4



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: 46.354 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016043.D

Acq: 04 May 2020 18:16

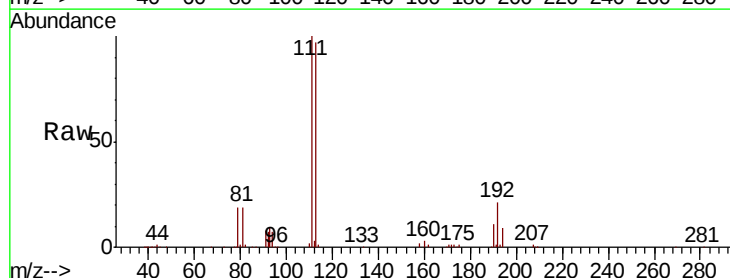
Tgt Ion:113 Resp: 140964

Ion Ratio Lower Upper

113 100

111 102.6 81.6 122.4

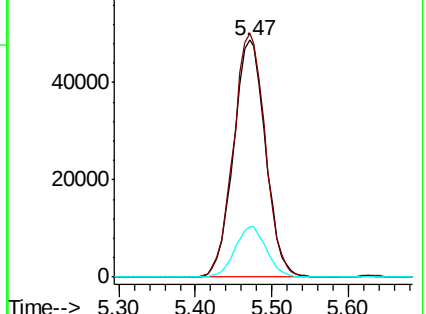
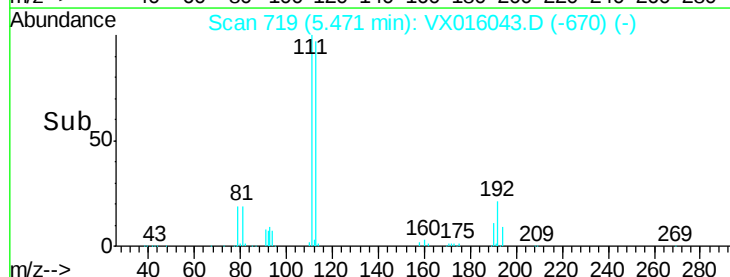
192 20.9 17.0 25.4

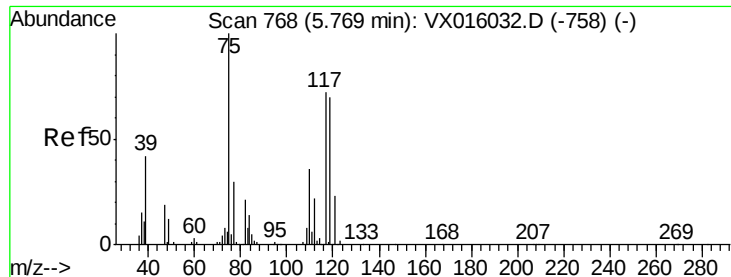


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.738 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016043.D

Acq: 04 May 2020 18:16

Instrument :

MSVOA_X

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SA-SW201-20200428

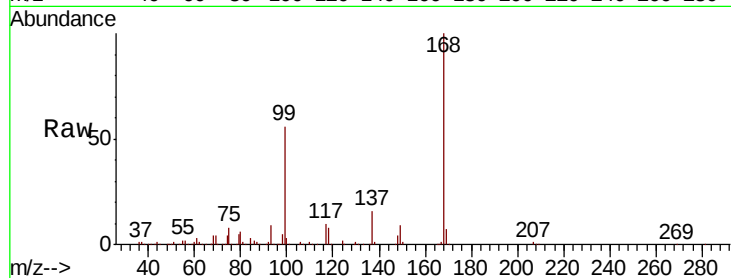
Tot Ion: 75 Resp: 22387

Ion Ratio Lower Upper

75 100

110 9.8 18.1 54.1#

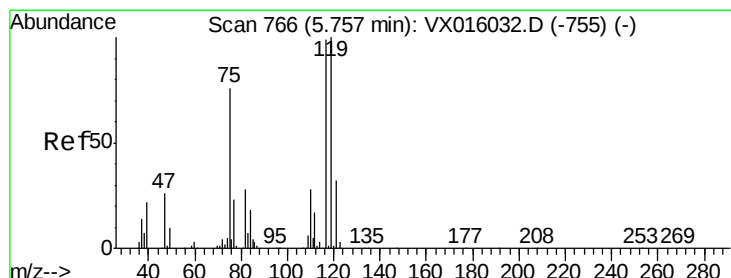
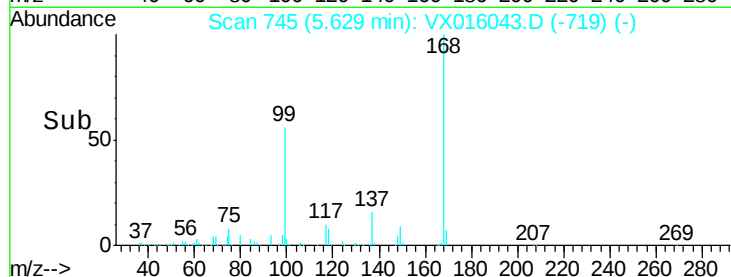
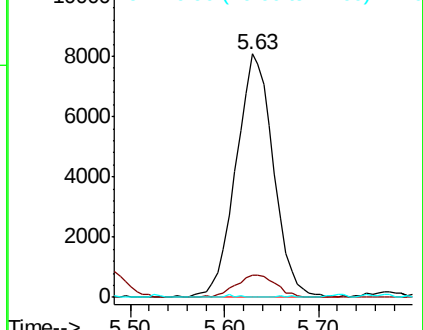
77 0.0 25.0 37.6#



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: 6.038 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX016043.D

Acq: 04 May 2020 18:16

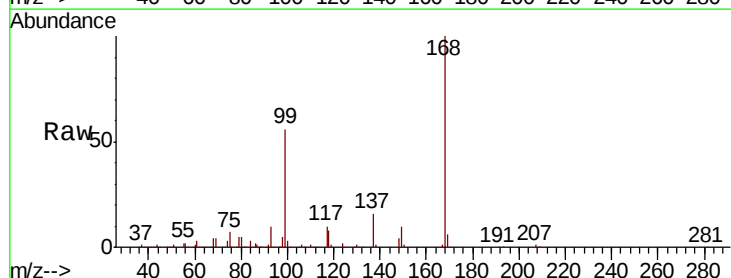
Tgt Ion: 117 Resp: 29000

Ion Ratio Lower Upper

117 100

119 4.6 80.3 120.5#

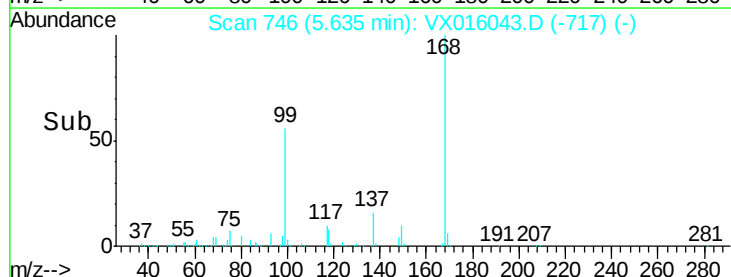
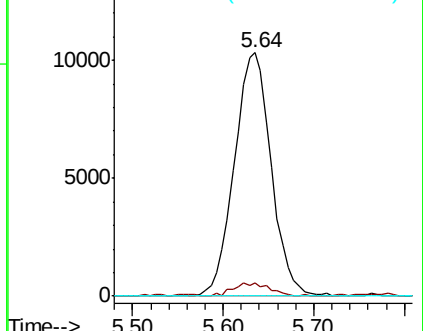
121 0.0 25.7 38.5#

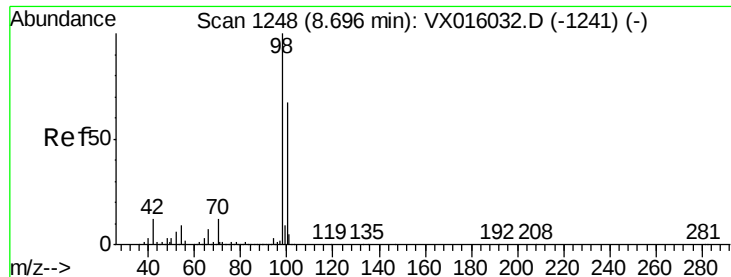


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 50.159 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016043.D

Acq: 04 May 2020 18:16

Instrument :

MSVOA_X

ClientSampleId :

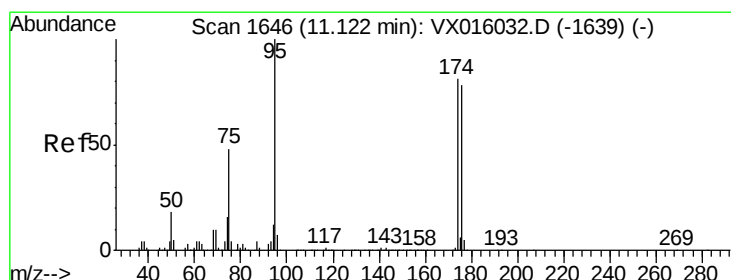
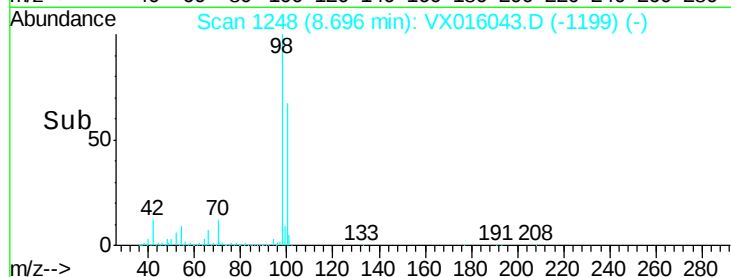
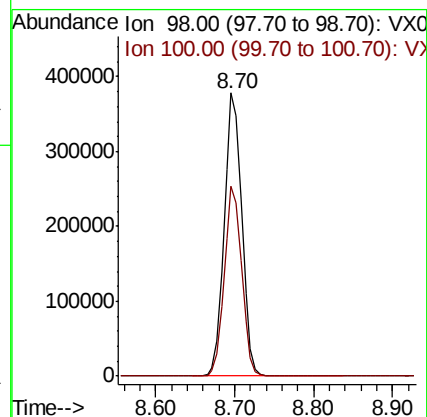
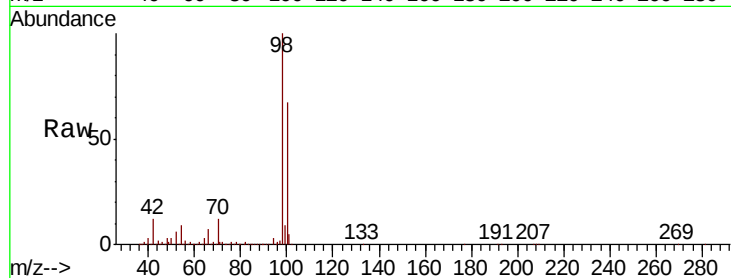
SA-SW201-20200428

Tot Ion: 98 Resp: 587723

Ion Ratio Lower Upper

98 100

100 66.1 53.7 80.5



#62

4-Bromofluorobenzene

Concen: 52.844 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016043.D

Acq: 04 May 2020 18:16

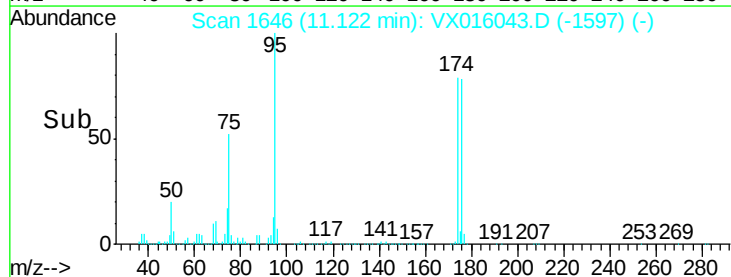
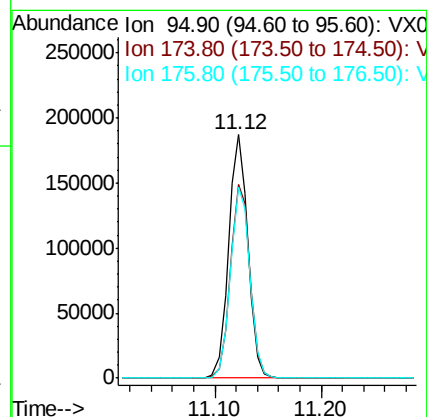
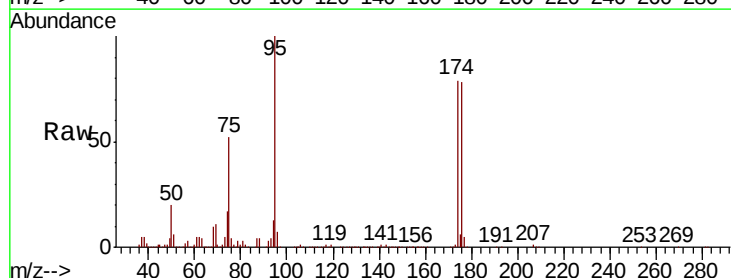
Tgt Ion: 95 Resp: 235507

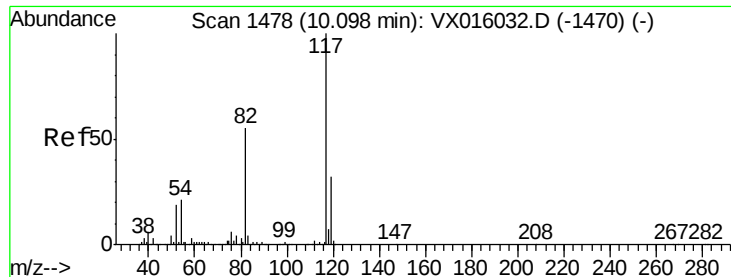
Ion Ratio Lower Upper

95 100

174 81.1 0.0 159.4

176 79.3 0.0 157.6

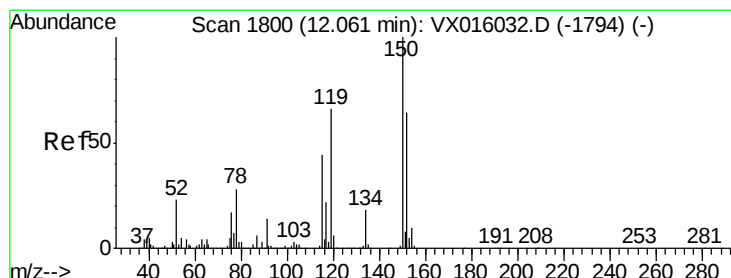
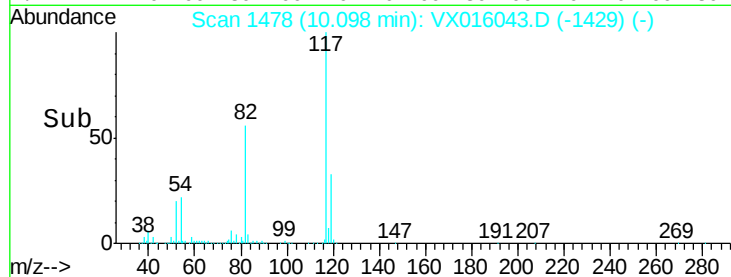
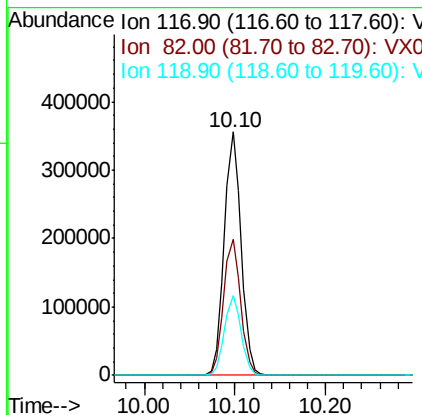
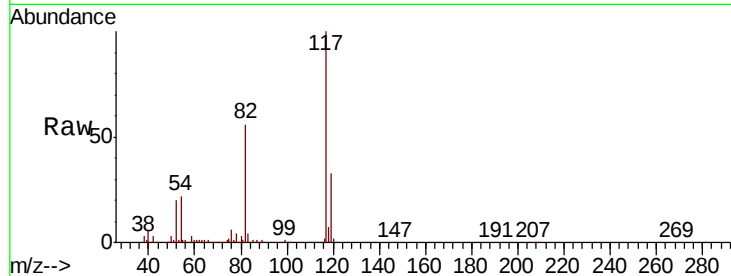




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016043.D
Acq: 04 May 2020 18:16

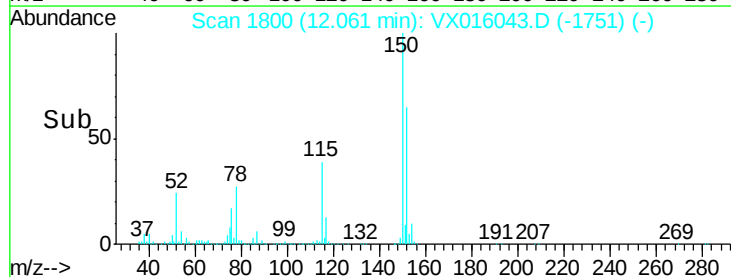
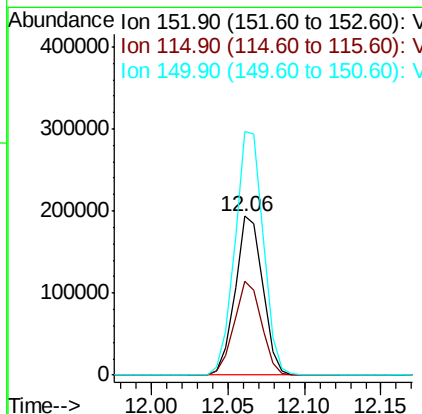
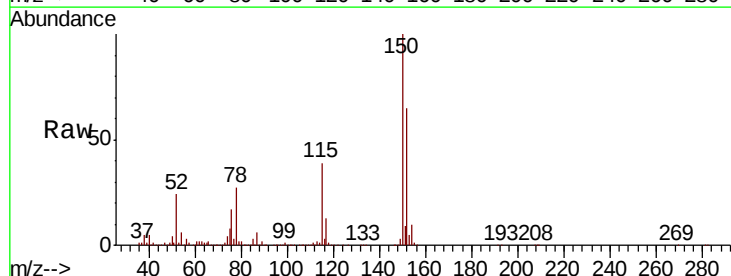
Instrument :
MSVOA_X
ClientSampleId :
SA-SW201-20200428

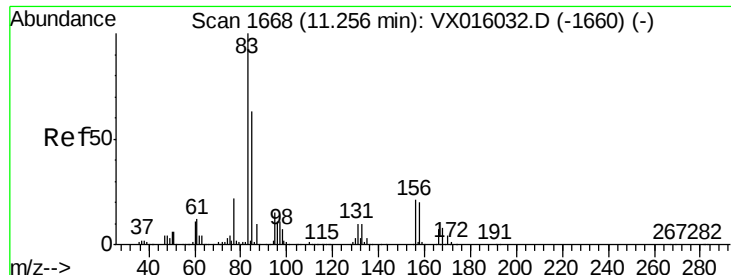
Tot Ion:117 Resp: 462872
Ion Ratio Lower Upper
117 100
82 55.9 44.4 66.6
119 32.7 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016043.D
Acq: 04 May 2020 18:16

Tgt Ion:152 Resp: 242047
Ion Ratio Lower Upper
152 100
115 58.8 41.3 124.1
150 157.1 0.0 352.2





#75

1,1,2,2-Tetrachloroethane

Concen: 4.817 ug/l

RT: 11.37 min Scan# 1686

Delta R.T. 0.11 min

Lab File: VX016043.D

Acq: 04 May 2020 18:16

Instrument :

MSVOA_X

ClientSampleId :

SA-SW201-20200428

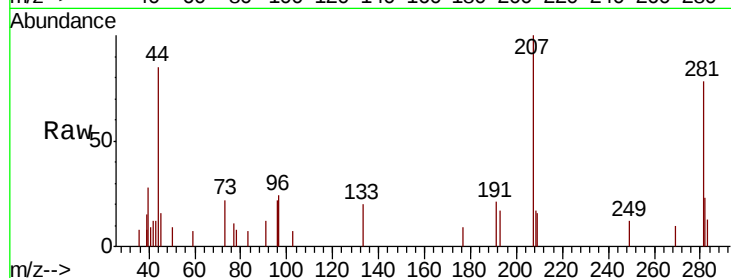
Tot Ion: 83 Resp: 20

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.4#

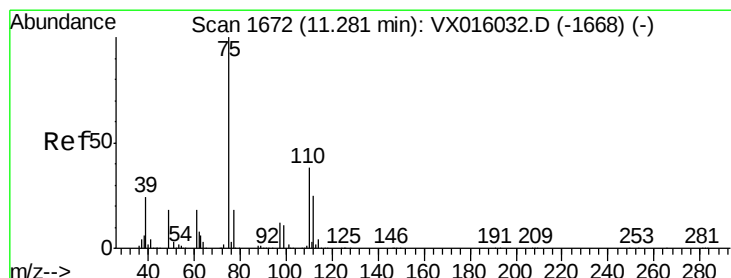
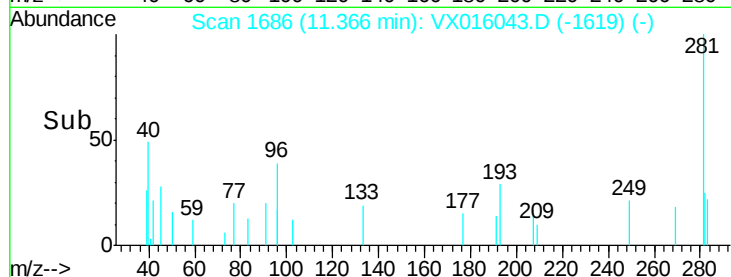
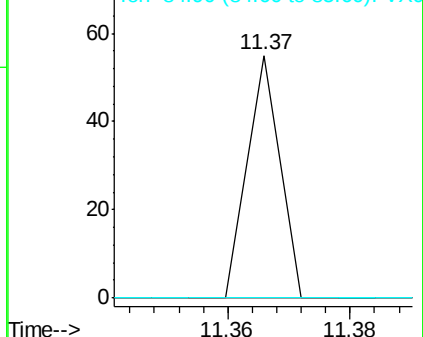
85 0.0 32.0 96.0#



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: 22.374 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016043.D

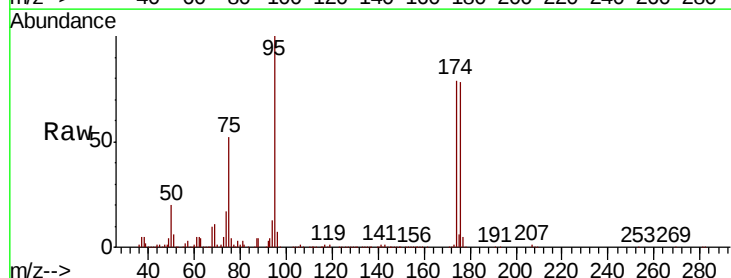
Acq: 04 May 2020 18:16

Tgt Ion: 75 Resp: 122894

Ion Ratio Lower Upper

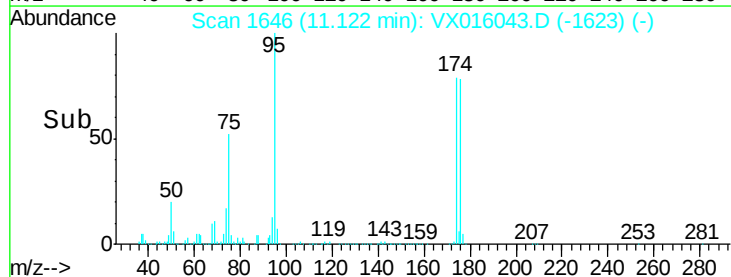
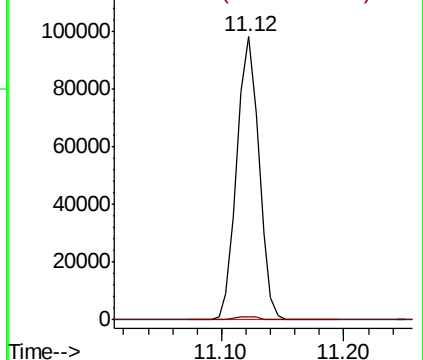
75 100

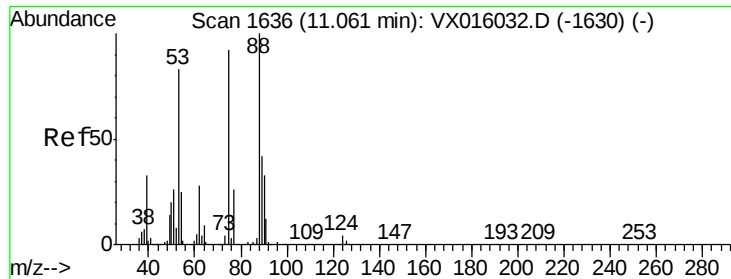
77 1.4 21.2 63.6#



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: 53.320 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016043.D

Acq: 04 May 2020 18:16

Instrument :

MSVOA_X

ClientSampleId :

SA-SW201-20200428

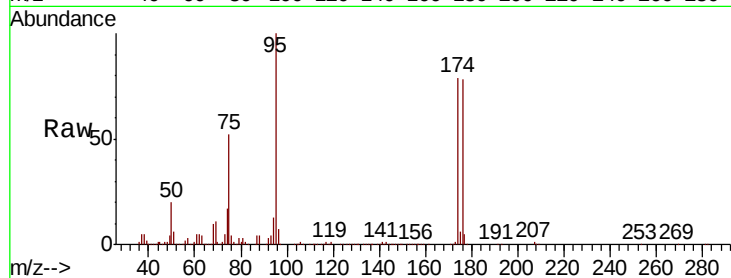
Tot Ion: 75 Resp: 122894

Ion Ratio Lower Upper

75 100

53 0.0 73.1 109.7#

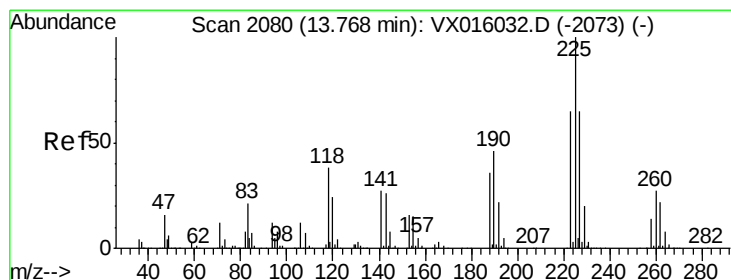
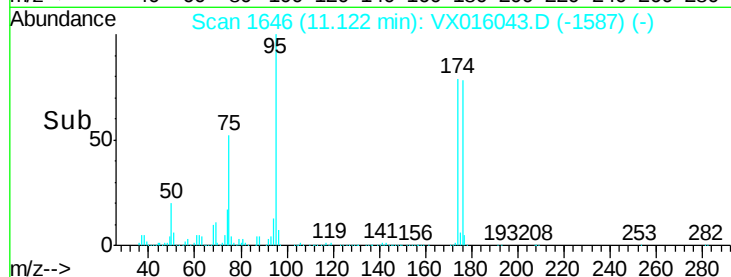
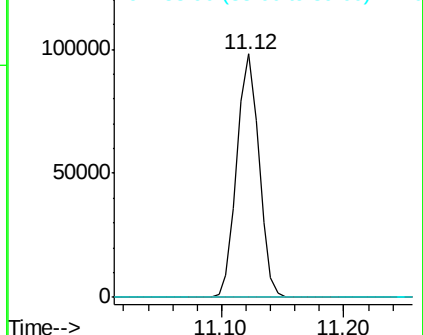
89 0.0 36.7 55.1#



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: 0.619 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX016043.D

Acq: 04 May 2020 18:16

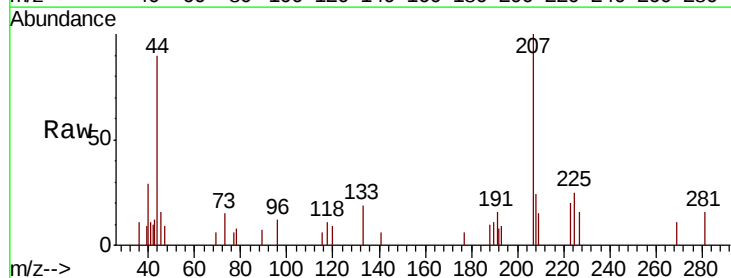
Tgt Ion: 225 Resp: 242

Ion Ratio Lower Upper

225 100

223 76.9 32.3 96.9

227 55.0 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

