

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051520\
 Data File : VX016272.D
 Acq On : 15 May 2020 12:01
 Operator : JC/SP
 Sample : L2669-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 16 06:40:56 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	252436	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	409920	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	395641	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	190890	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	147816	44.50	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	89.00%	
35) Dibromofluoromethane	5.47	113	118955	45.80	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	91.60%	
50) Toluene-d8	8.70	98	507746	50.74	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.48%	
62) 4-Bromofluorobenzene	11.12	95	197280	51.83	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.66%	

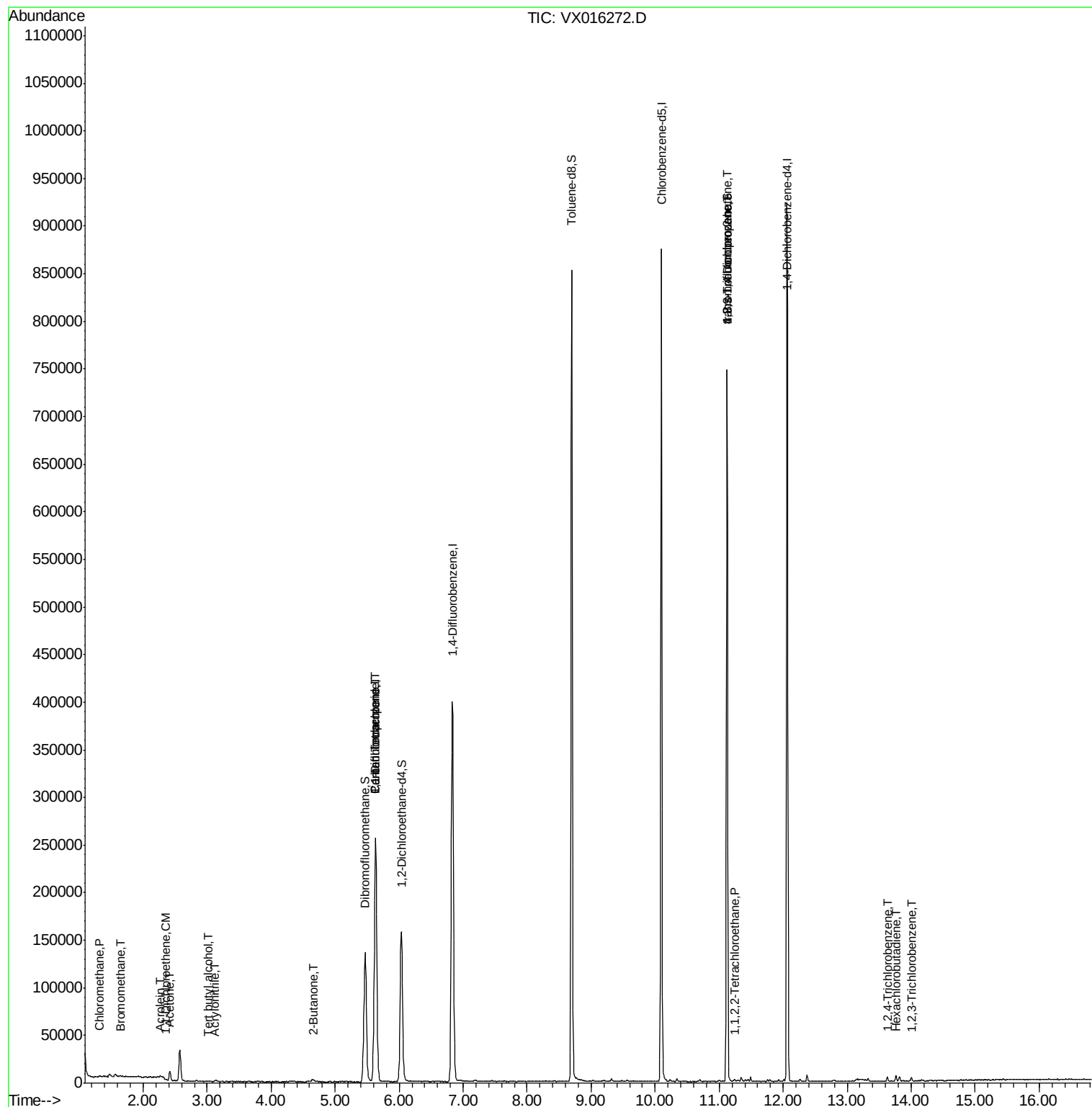
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	937	0.302	ug/l #	85
5) Bromomethane	1.64	94	493	0.295	ug/l #	54
11) Tert butyl alcohol	3.01	59	235	0.280	ug/l #	72
12) 1,1-Dichloroethene	2.36	96	575	0.219	ug/l #	75
13) Acrolein	2.28	56	931	1.771	ug/l #	82
15) Acrylonitrile	3.12	53	674	0.387	ug/l #	83
16) Acetone	2.42	43	9961	6.721	ug/l	89
25) 2-Butanone	4.65	43	859	0.360	ug/l #	79
36) 1,1-Dichloropropene	5.63	75	17949	4.448	ug/l #	49
38) Carbon Tetrachloride	5.63	117	24023	5.857	ug/l #	15
75) 1,1,2,2-Tetrachloroethane	11.25	83	45	2.066	ug/l #	84
76) 1,2,3-Trichloropropane	11.12	75	96198	22.208	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	96198	52.923	ug/l #	13
93) 1,2,4-Trichlorobenzene	13.63	180	1213	0.264	ug/l	94
94) Hexachlorobutadiene	13.77	225	840	0.944	ug/l	83
96) 1,2,3-Trichlorobenzene	14.01	180	1133	0.253	ug/l	95

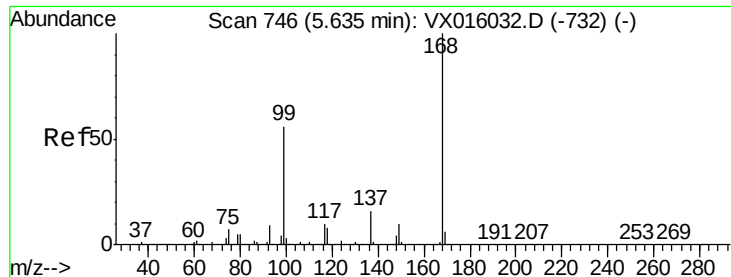
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX016272.D

Acq: 15 May 2020 12:01

Instrument :

MSVOA_X

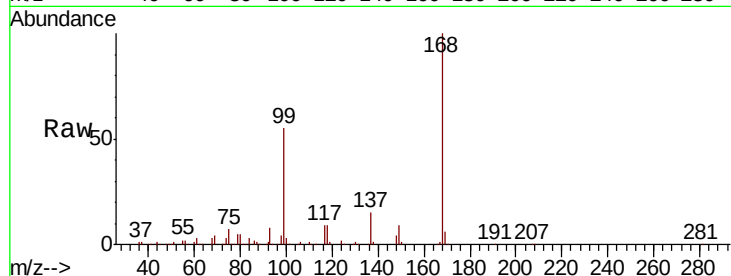
ClientSampleId :

Tot Ion:168 Resp: 252436

Ion Ratio Lower Upper

168 100

99 55.2 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

60000

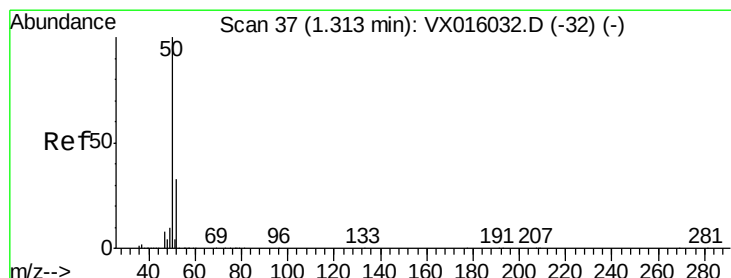
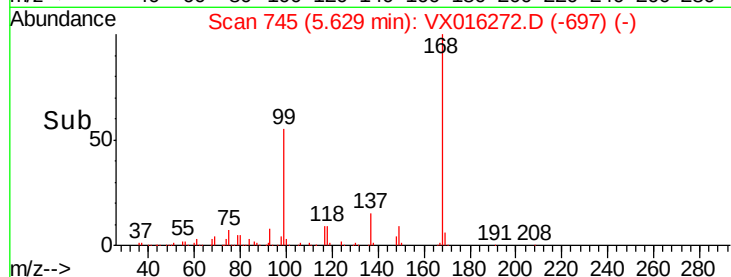
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.302 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX016272.D

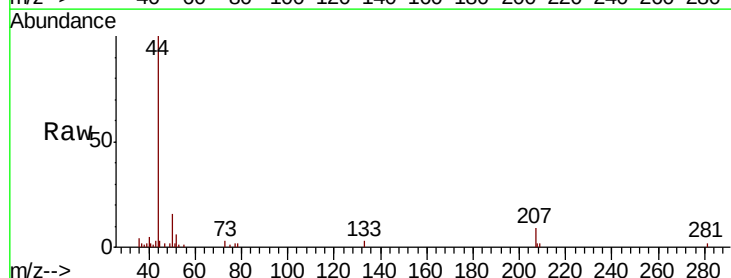
Acq: 15 May 2020 12:01

Tgt Ion: 50 Resp: 937

Ion Ratio Lower Upper

50 100

52 41.0 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

800

600

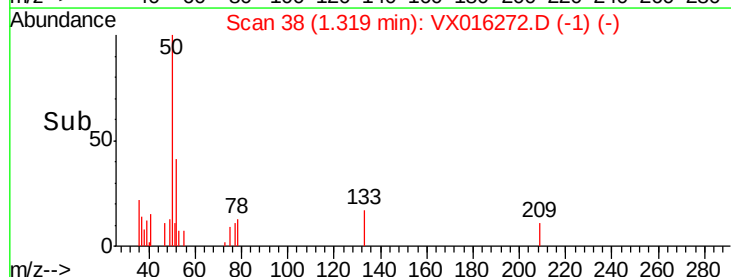
400

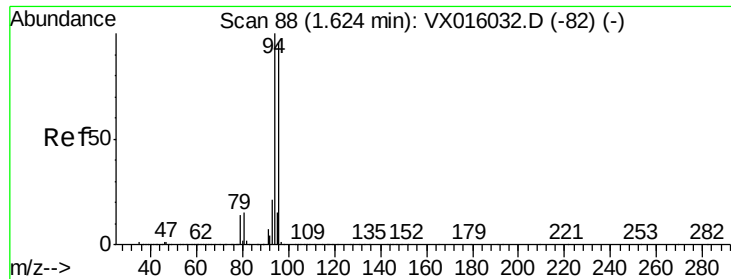
200

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: 0.295 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX016272.D

Acq: 15 May 2020 12:01

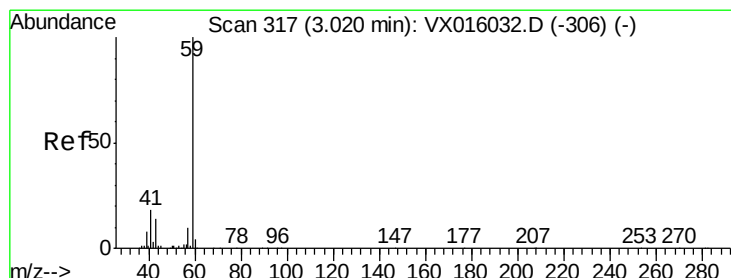
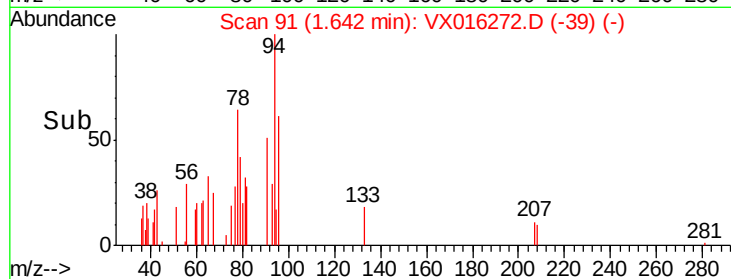
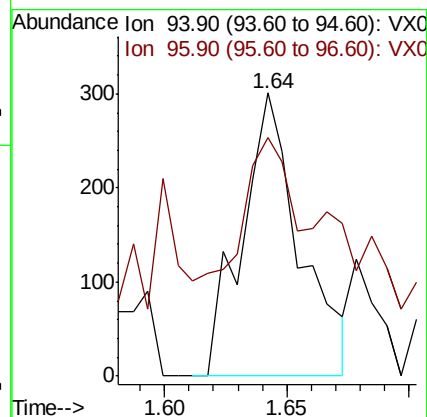
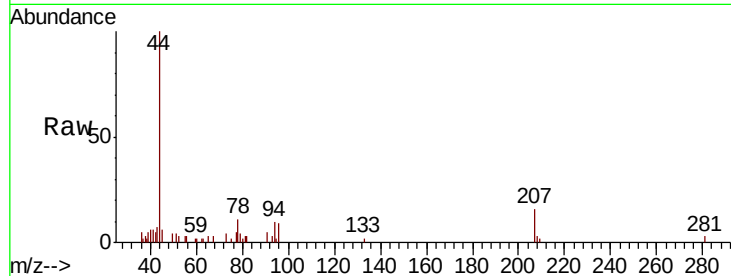
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 94 Resp: 493

Ion Ratio Lower Upper

94 100

96 50.8 76.9 115.3#



#11

Tert butyl alcohol

Concen: 0.280 ug/l

RT: 3.01 min Scan# 316

Delta R.T. -0.01 min

Lab File: VX016272.D

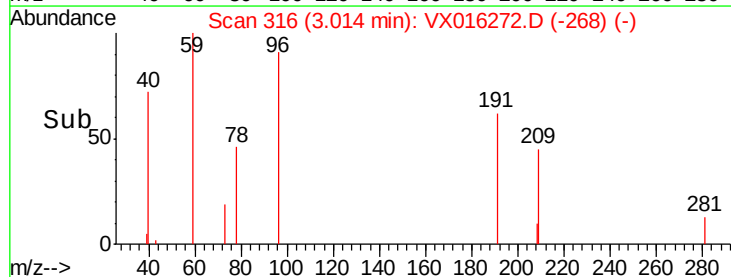
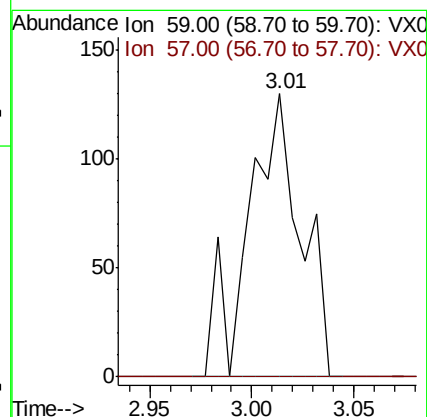
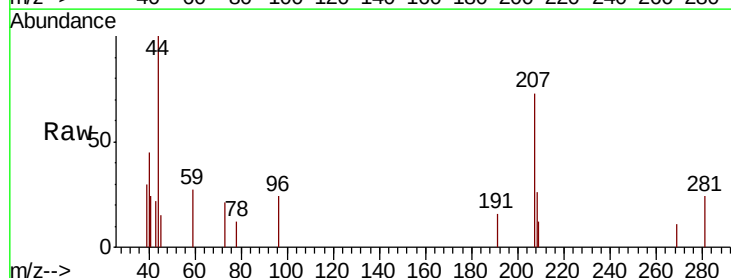
Acq: 15 May 2020 12:01

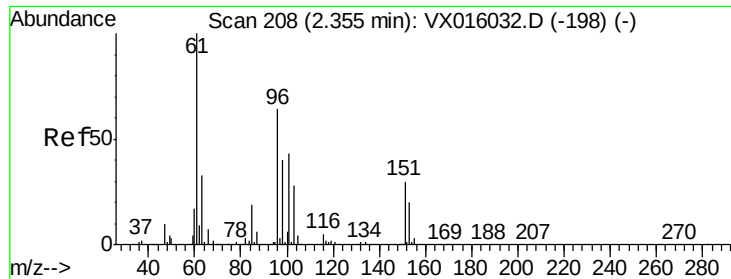
Tgt Ion: 59 Resp: 235

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#





#12

1,1-Dichloroethene

Concen: 0.219 ug/l

RT: 2.36 min Scan# 208

Delta R.T. -0.00 min

Lab File: VX016272.D

Acq: 15 May 2020 12:01

Instrument :

MSVOA_X

ClientSampled :

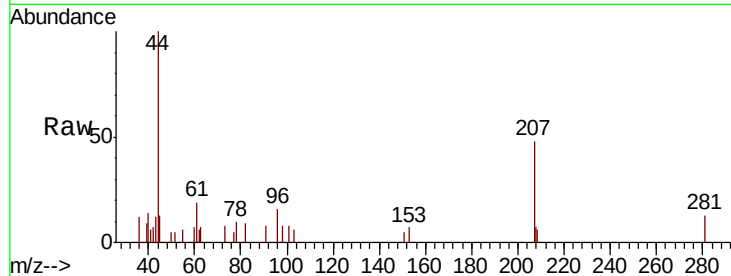
Tot Ion: 96 Resp: 575

Ion Ratio Lower Upper

96 100

61 117.7 124.8 187.2#

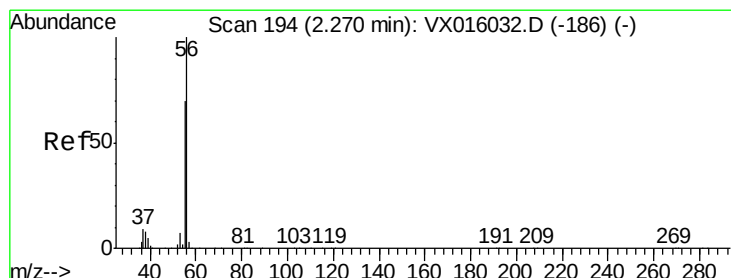
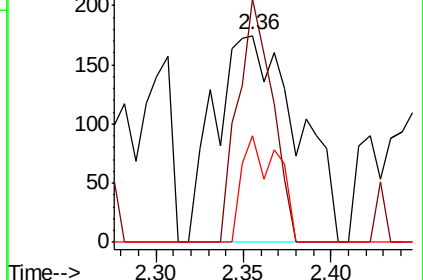
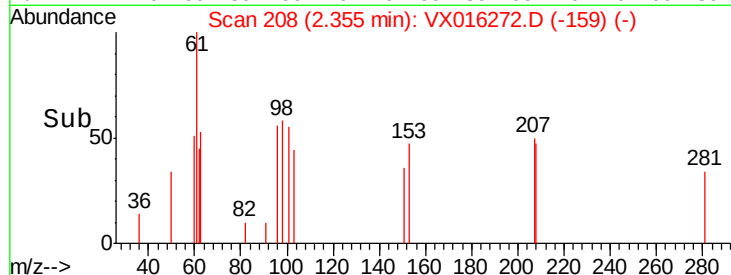
98 51.4 49.7 74.5



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



#13

Acrolein

Concen: 1.771 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX016272.D

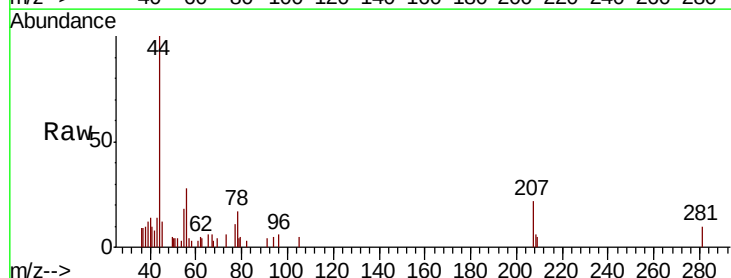
Acq: 15 May 2020 12:01

Tgt Ion: 56 Resp: 931

Ion Ratio Lower Upper

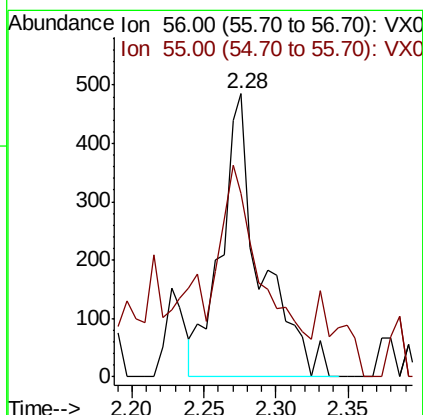
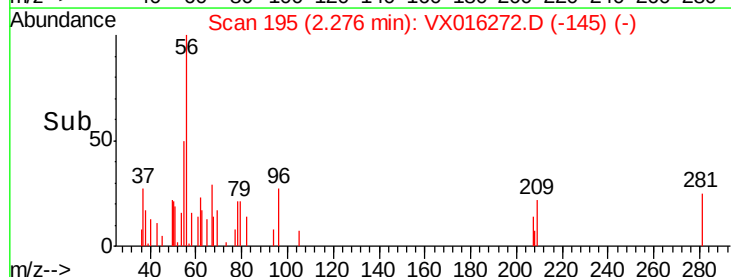
56 100

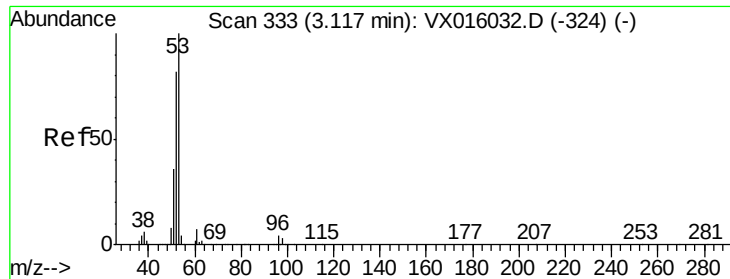
55 85.1 56.5 84.7#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#15

Acrylonitrile

Concen: 0.387 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX016272.D

Acq: 15 May 2020 12:01

Instrument :

MSVOA_X

ClientSampled :

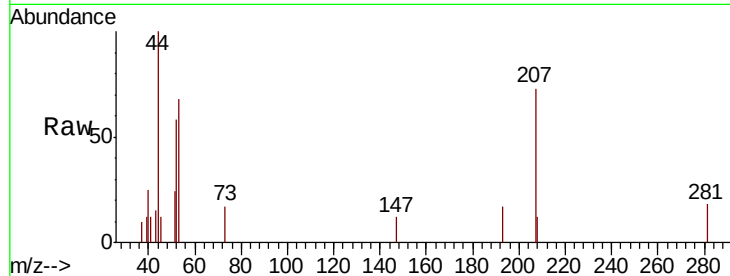
Tot Ion: 53 Resp: 674

Ion Ratio Lower Upper

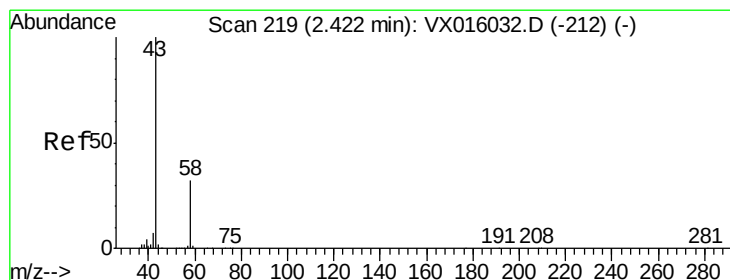
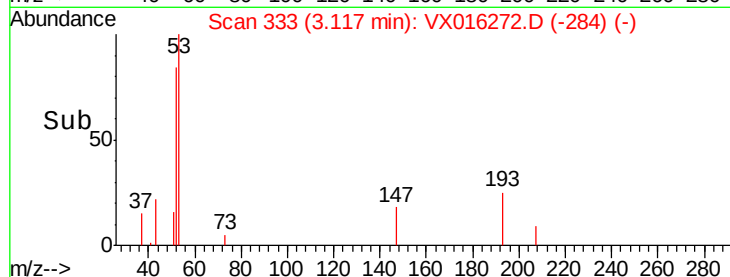
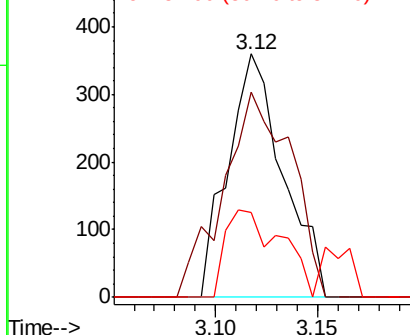
53 100

52 103.9 66.1 99.1#

51 36.1 28.8 43.2



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 6.721 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016272.D

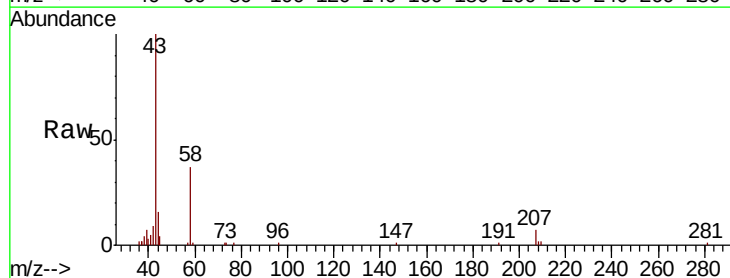
Acq: 15 May 2020 12:01

Tgt Ion: 43 Resp: 9961

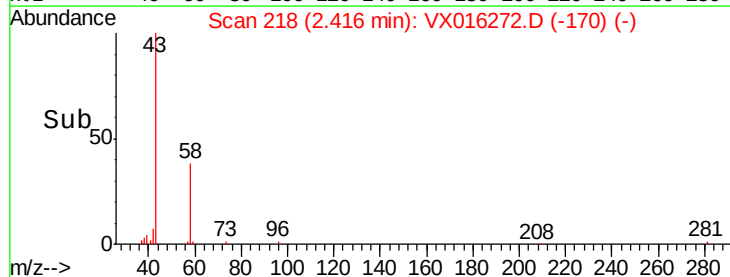
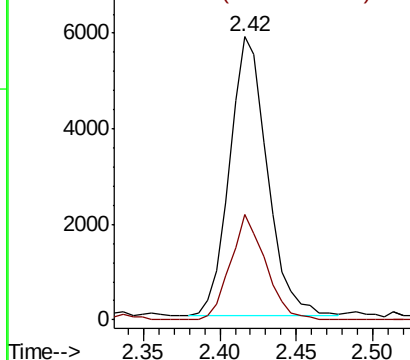
Ion Ratio Lower Upper

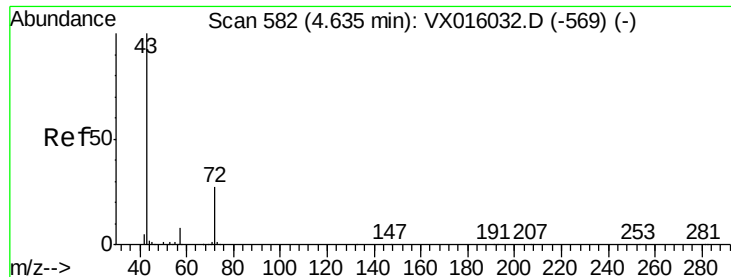
43 100

58 37.7 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0





#25

2-Butanone

Concen: 0.360 ug/l

RT: 4.65 min Scan# 585

Delta R.T. 0.02 min

Lab File: VX016272.D

Acq: 15 May 2020 12:01

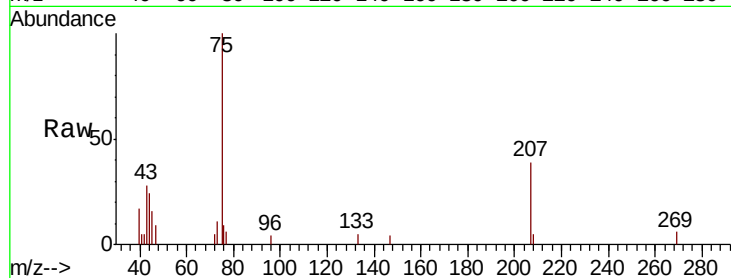
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 859

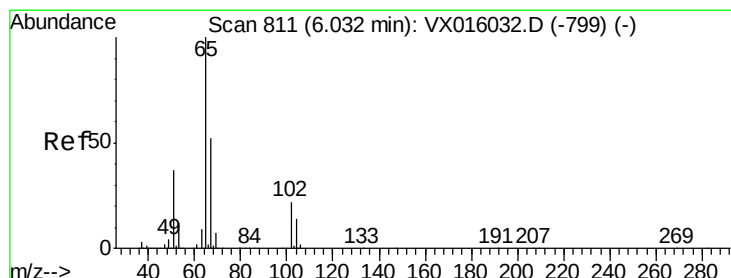
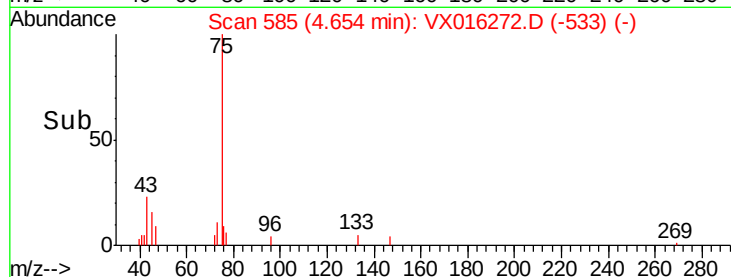
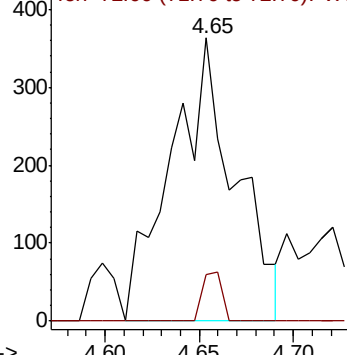
Ion Ratio Lower Upper

43 100

72 16.3 21.8 32.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 44.499 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016272.D

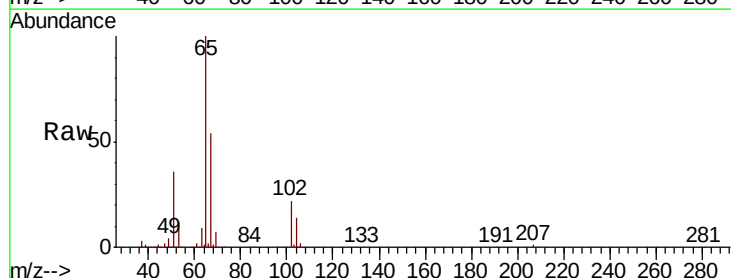
Acq: 15 May 2020 12:01

Tgt Ion: 65 Resp: 147816

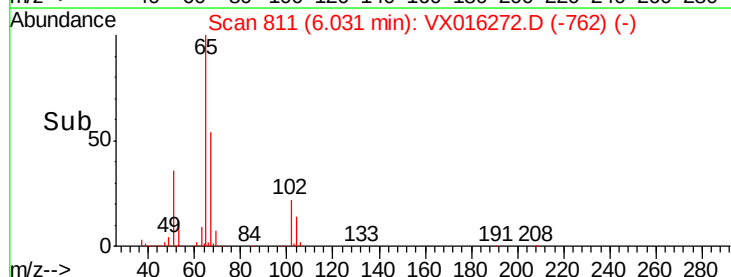
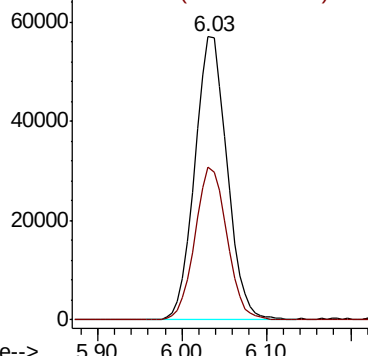
Ion Ratio Lower Upper

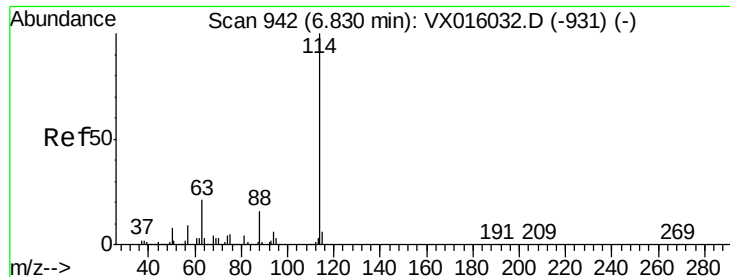
65 100

67 53.7 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016272.D

Acq: 15 May 2020 12:01

Instrument :

MSVOA_X

ClientSampleId :

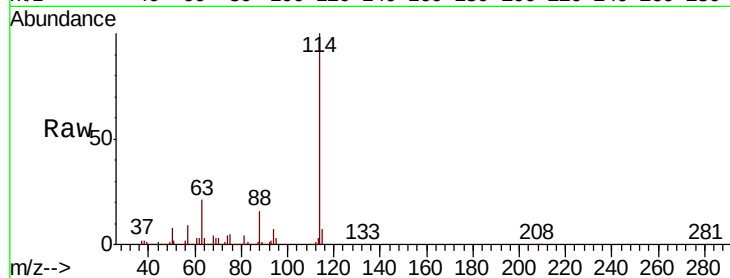
Tot Ion:114 Resp: 409920

Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.8

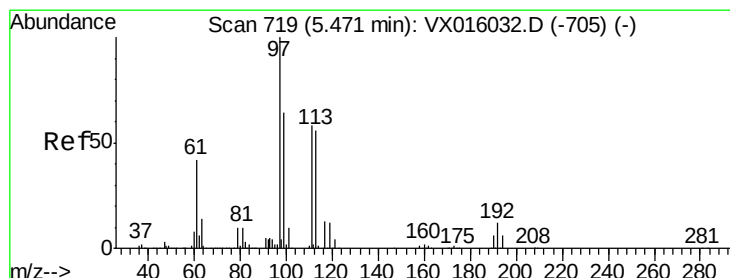
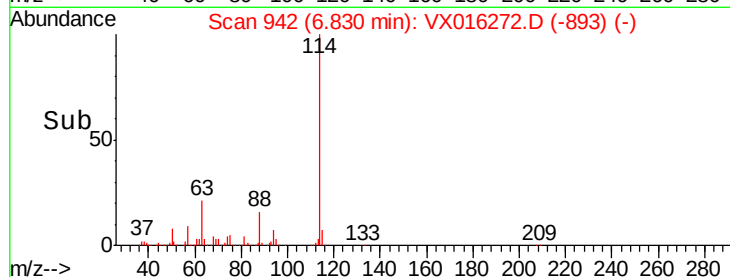
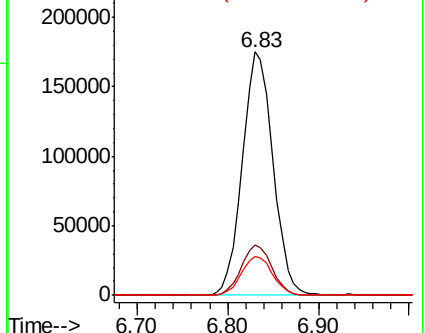
88 16.1 0.0 31.4



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: 45.804 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016272.D

Acq: 15 May 2020 12:01

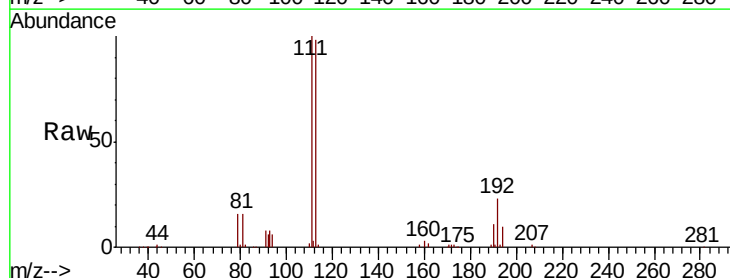
Tgt Ion:113 Resp: 118955

Ion Ratio Lower Upper

113 100

111 103.1 81.6 122.4

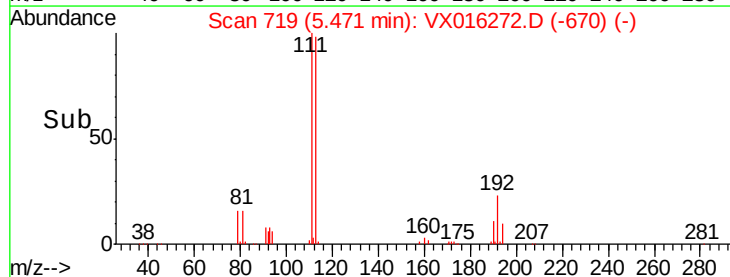
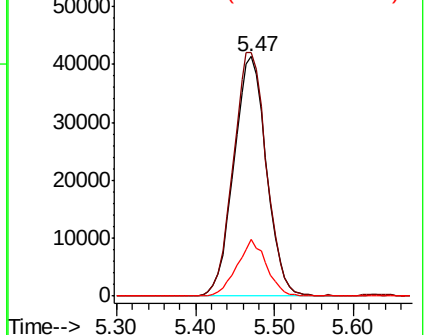
192 21.4 17.0 25.4

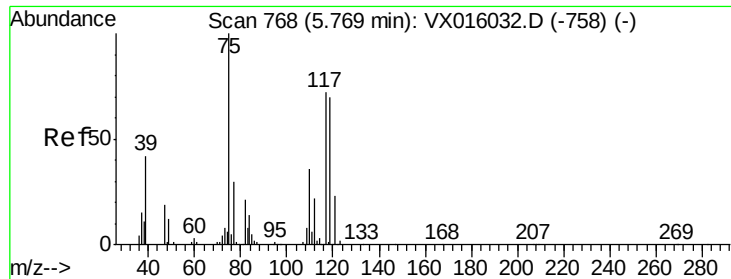


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

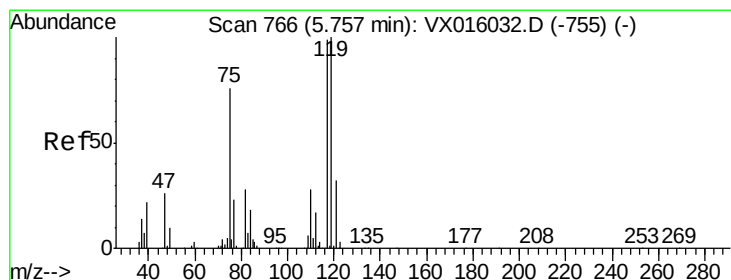
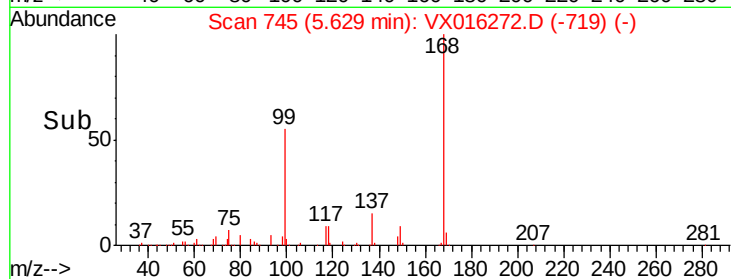
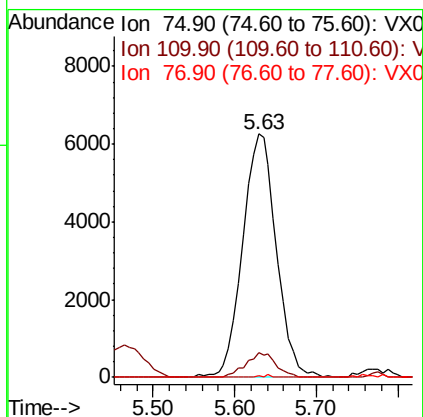
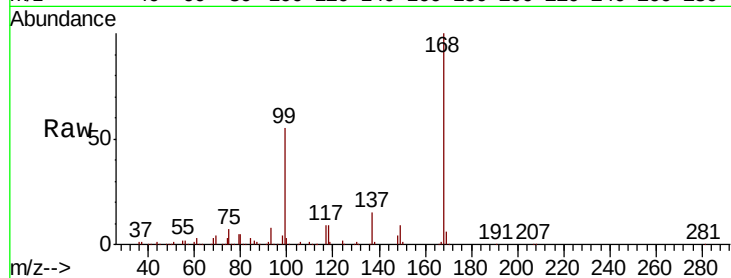




#36
 1,1-Dichloropropene
 Concen: 4.448 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX016272.D
 Acq: 15 May 2020 12:01

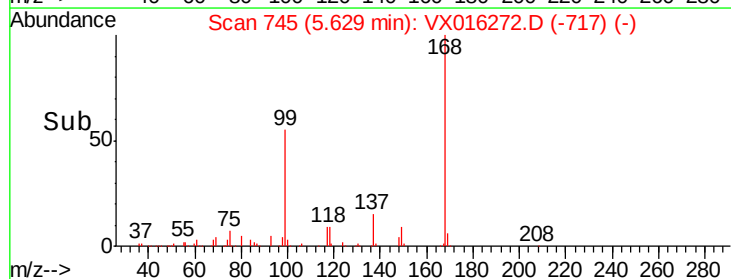
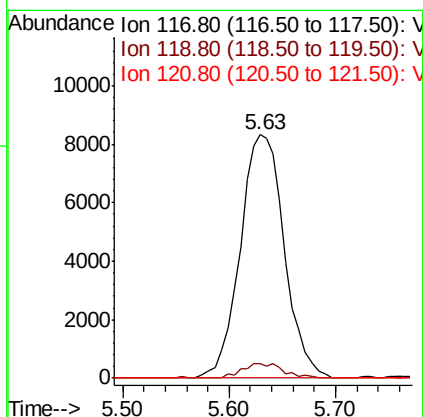
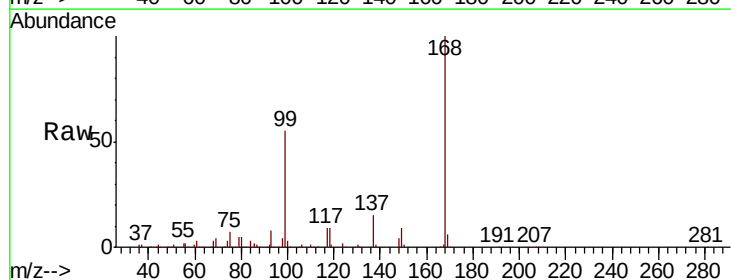
Instrument :
 MSVOA_X
 ClientSampleId :

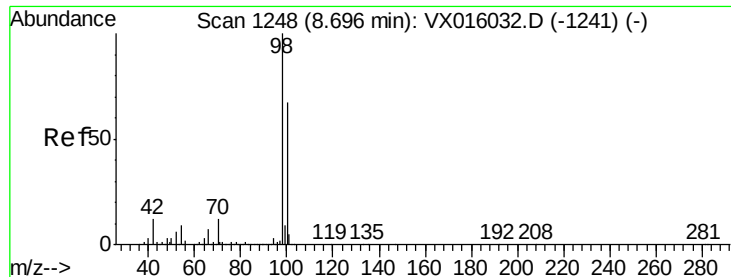
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.0	18.1	54.1#
77	0.1	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 5.857 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.13 min
 Lab File: VX016272.D
 Acq: 15 May 2020 12:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.8	80.3	120.5#
121	0.0	25.7	38.5#

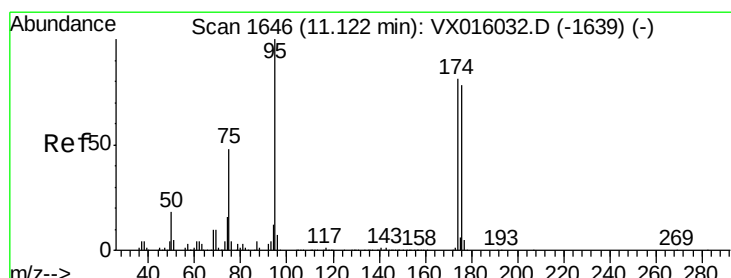
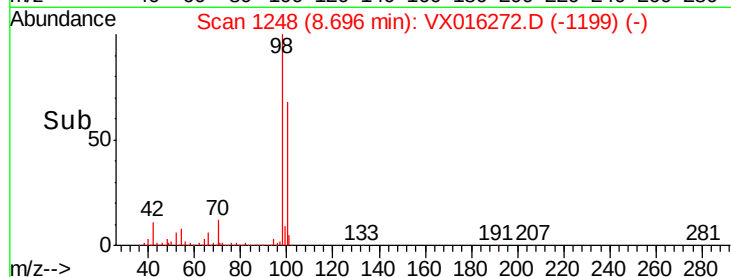
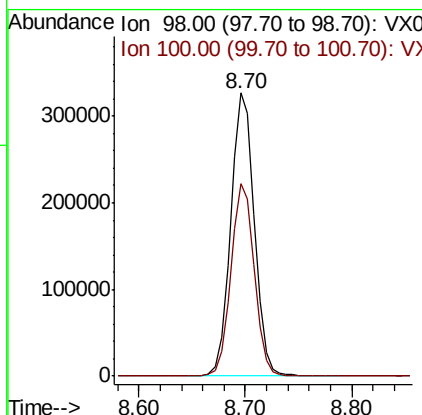
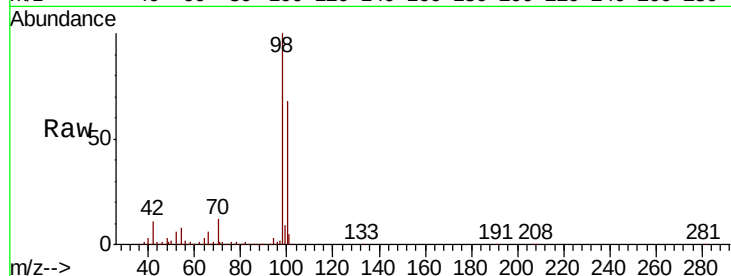




#50
Toluene-d8
Concen: 50.742 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016272.D
Acq: 15 May 2020 12:01

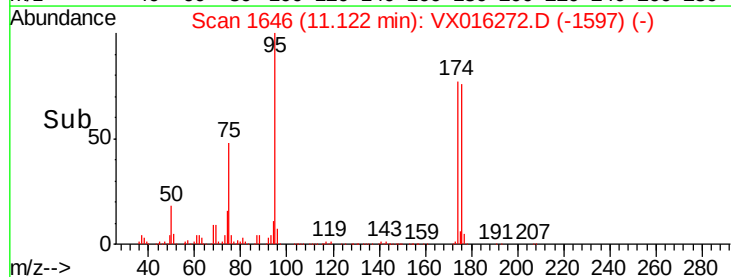
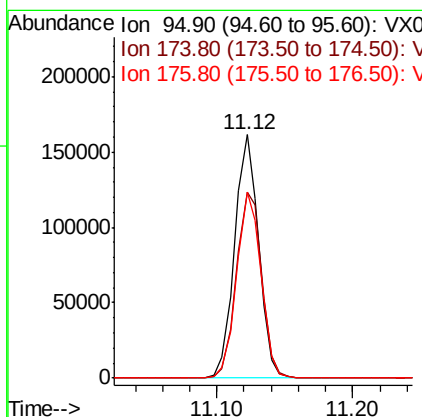
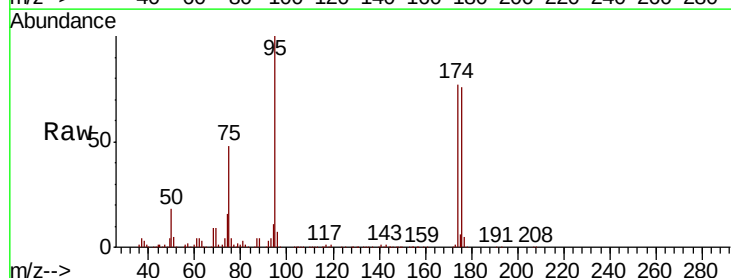
Instrument :
MSVOA_X
ClientSampleId :

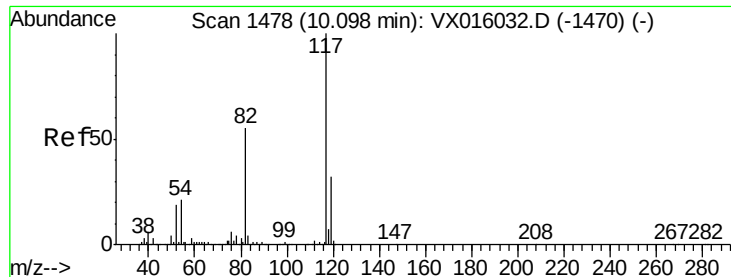
Tot Ion: 98 Resp: 507746
Ion Ratio Lower Upper
98 100
100 67.5 53.7 80.5



#62
4-Bromofluorobenzene
Concen: 51.834 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016272.D
Acq: 15 May 2020 12:01

Tgt Ion: 95 Resp: 197280
Ion Ratio Lower Upper
95 100
174 81.0 0.0 159.4
176 77.6 0.0 157.6

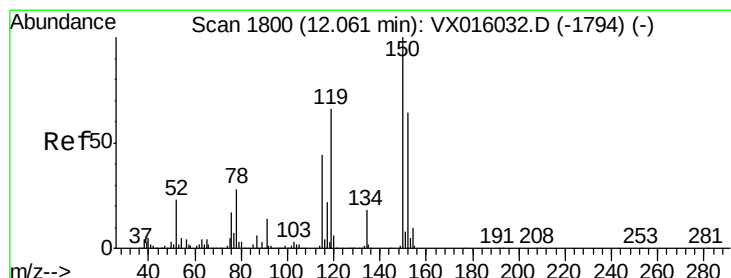
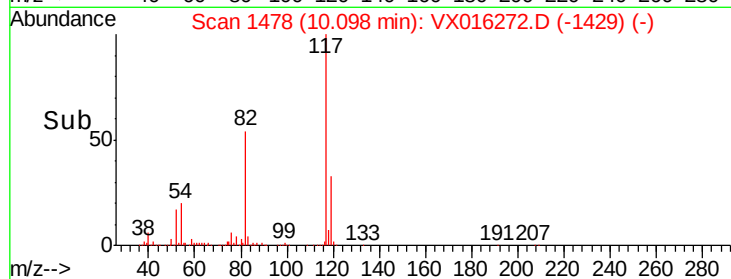
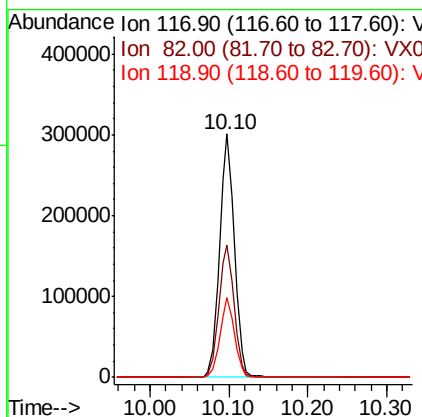
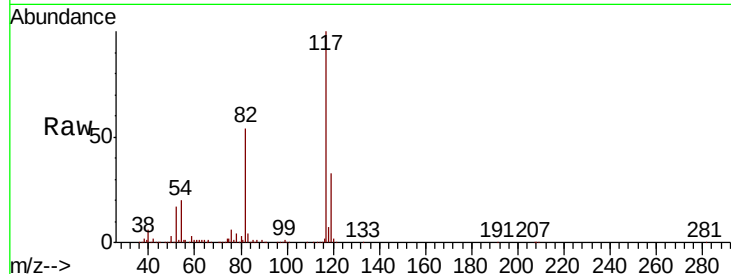




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016272.D
Acq: 15 May 2020 12:01

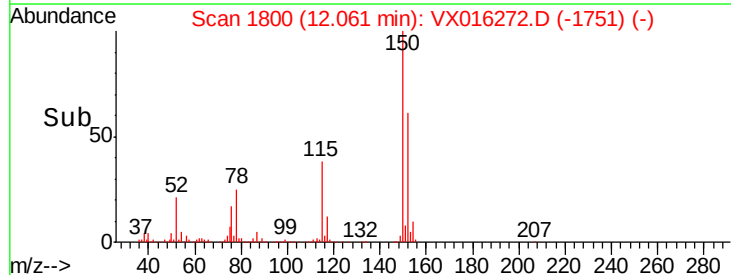
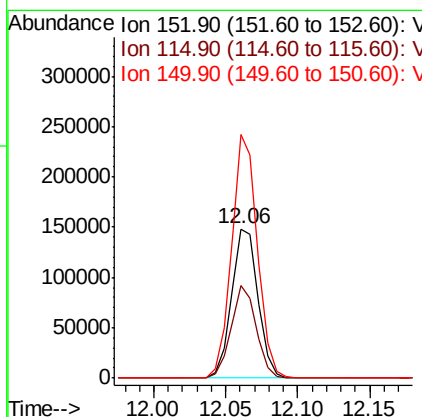
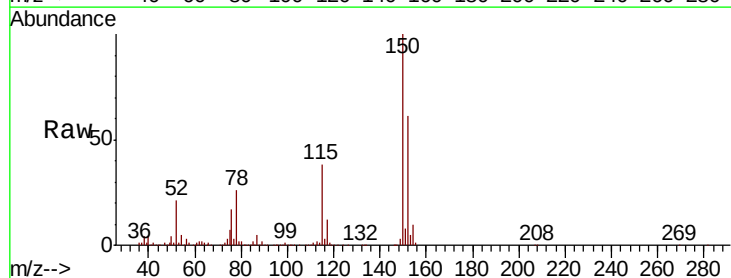
Instrument :
MSVOA_X
ClientSampleId :

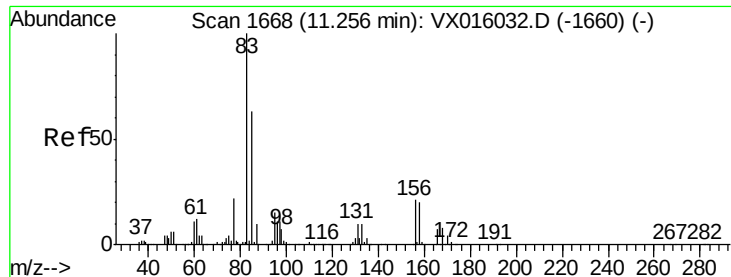
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.4	44.4	66.6
119	32.6	25.5	38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016272.D
Acq: 15 May 2020 12:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.1	41.3	124.1
150	158.7	0.0	352.2





#75

1,1,2,2-Tetrachloroethane

Concen: 2.066 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. -0.01 min

Lab File: VX016272.D

Acq: 15 May 2020 12:01

Instrument :

MSVOA_X

ClientSampleId :

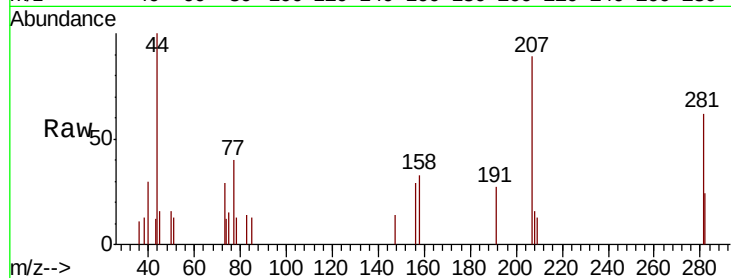
Tot Ion: 83 Resp: 45

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.4#

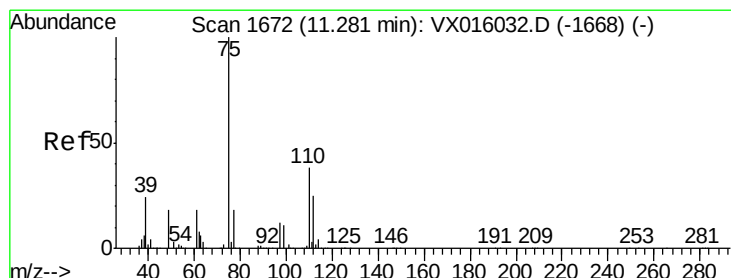
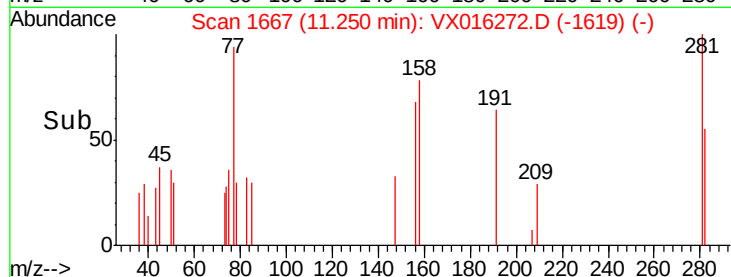
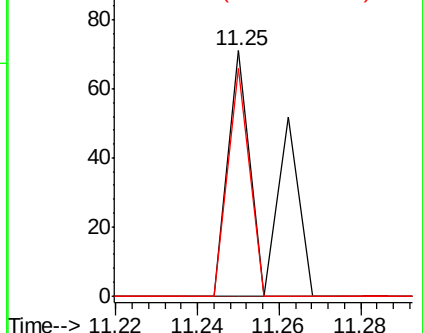
85 53.3 32.0 96.0



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: 22.208 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016272.D

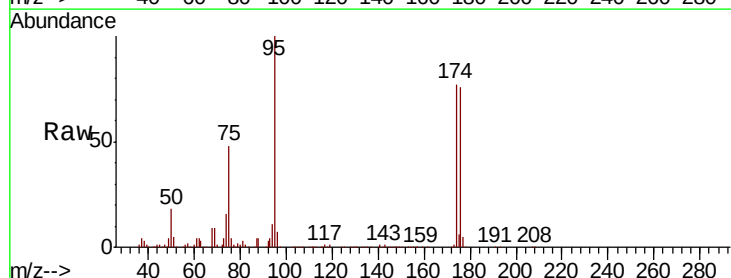
Acq: 15 May 2020 12:01

Tgt Ion: 75 Resp: 96198

Ion Ratio Lower Upper

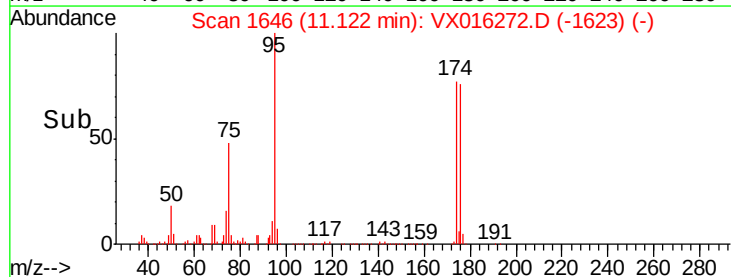
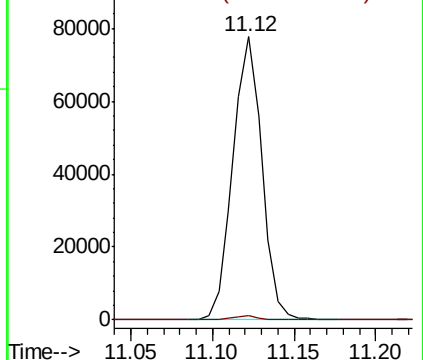
75 100

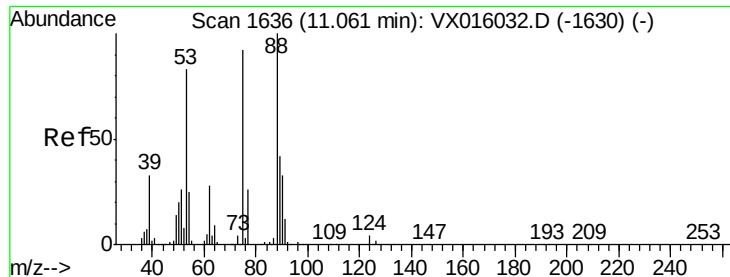
77 1.4 21.2 63.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

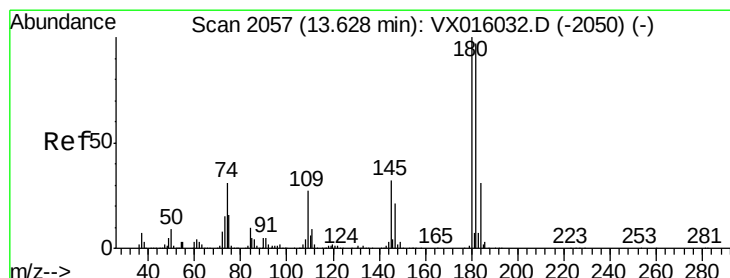
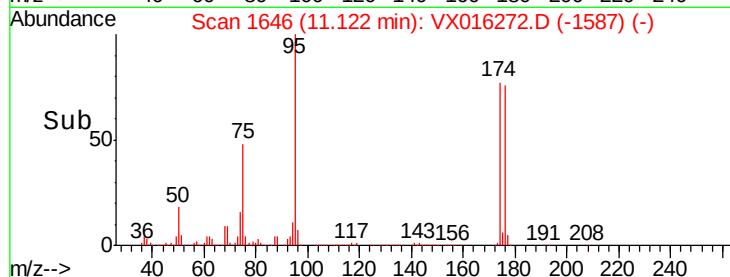
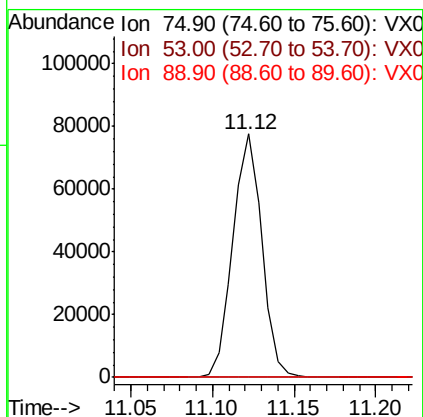
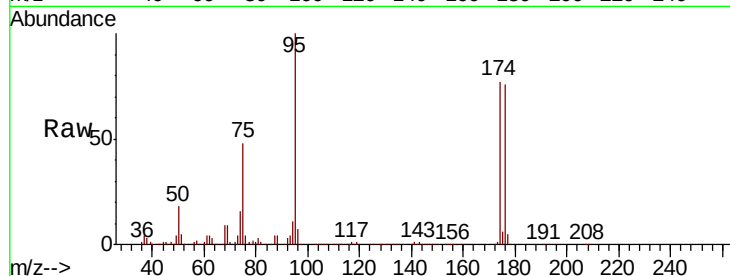




#81
trans-1,4-Dichloro-2-butene
Concen: 52.923 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.06 min
Lab File: VX016272.D
Acq: 15 May 2020 12:01

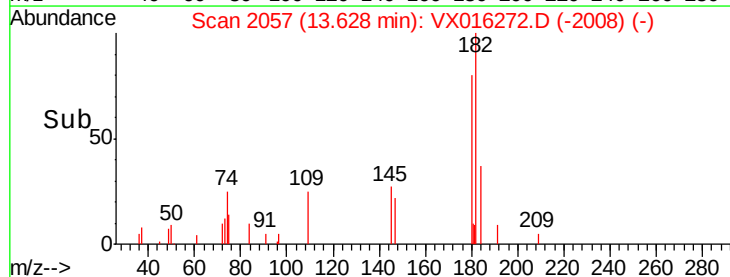
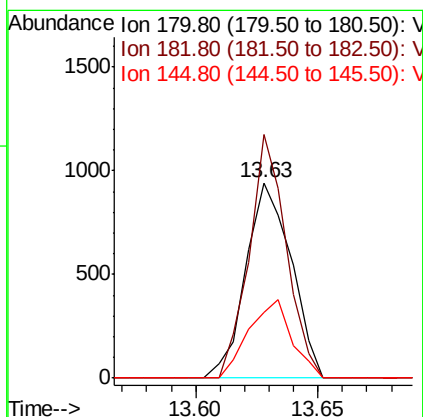
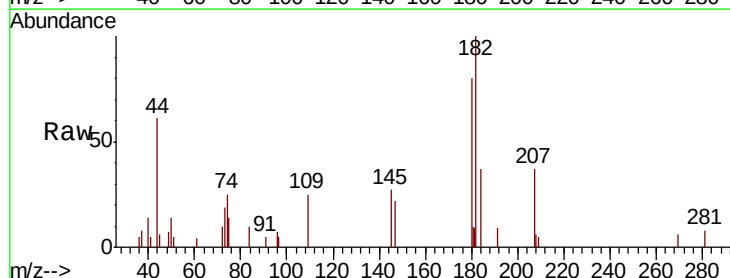
Instrument :
MSVOA_X
ClientSampleId :

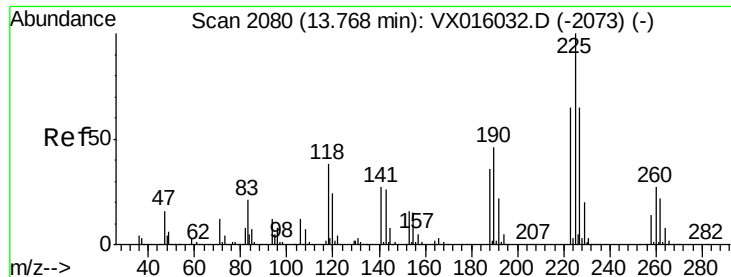
Tot Ion: 75 Resp: 96198
Ion Ratio Lower Upper
75 100
53 0.0 73.1 109.7#
89 0.0 36.7 55.1#



#93
1,2,4-Trichlorobenzene
Concen: 0.264 ug/l
RT: 13.63 min Scan# 2057
Delta R.T. -0.00 min
Lab File: VX016272.D
Acq: 15 May 2020 12:01

Tgt Ion:180 Resp: 1213
Ion Ratio Lower Upper
180 100
182 101.9 48.7 146.1
145 38.0 15.7 47.1





#94

Hexachlorobutadiene

Concen: 0.944 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX016272.D

Acq: 15 May 2020 12:01

Instrument :

MSVOA_X

ClientSampleId :

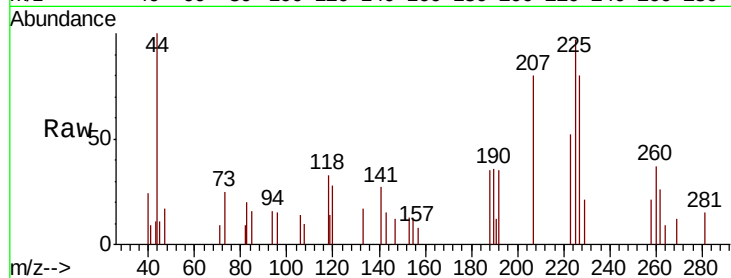
Tot Ion:225 Resp: 840

Ion Ratio Lower Upper

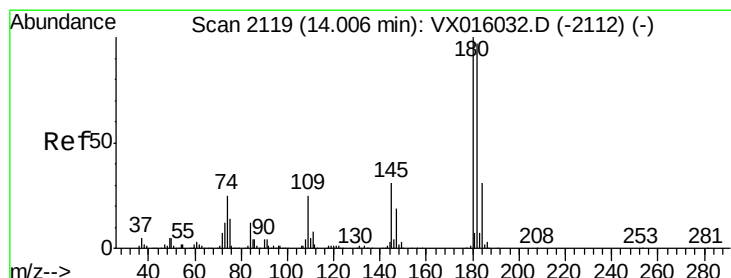
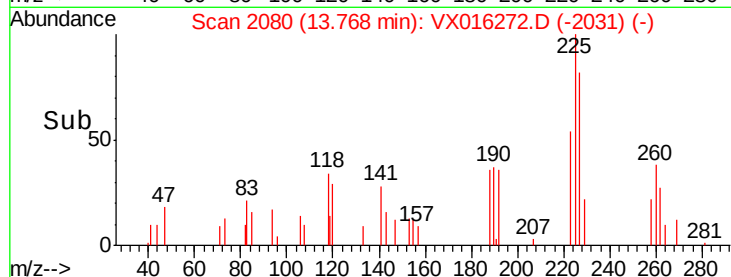
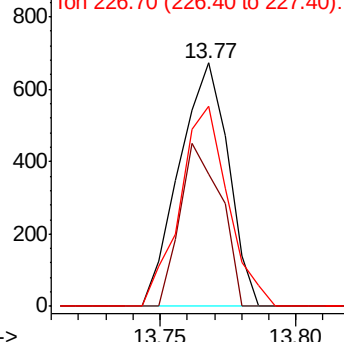
225 100

223 55.8 32.3 96.9

227 80.8 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



#96

1,2,3-Trichlorobenzene

Concen: 0.253 ug/l

RT: 14.01 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VX016272.D

Acq: 15 May 2020 12:01

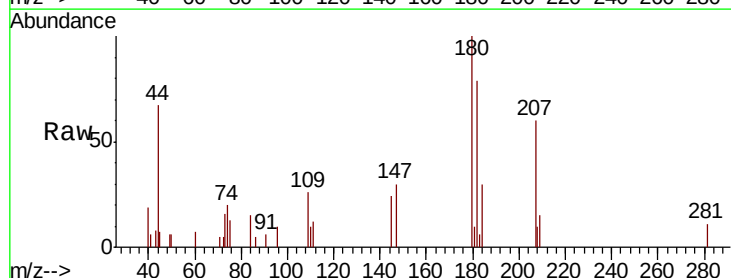
Tgt Ion:180 Resp: 1133

Ion Ratio Lower Upper

180 100

182 91.8 48.4 145.0

145 35.0 16.4 49.1



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

