

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX061020\
 Data File : VX016675.D
 Acq On : 10 Jun 2020 15:23
 Operator : JC/SP
 Sample : L2962-04 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z5-DUP-0564-200609

Quant Time: Jun 11 03:01:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 16:31:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	221064	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	347920	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	355155	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	183849	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	127885	46.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.16%	
35) Dibromofluoromethane	5.46	113	105029	49.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.06%	
50) Toluene-d8	8.70	98	424789	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	
62) 4-Bromofluorobenzene	11.12	95	174220	54.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.14%	

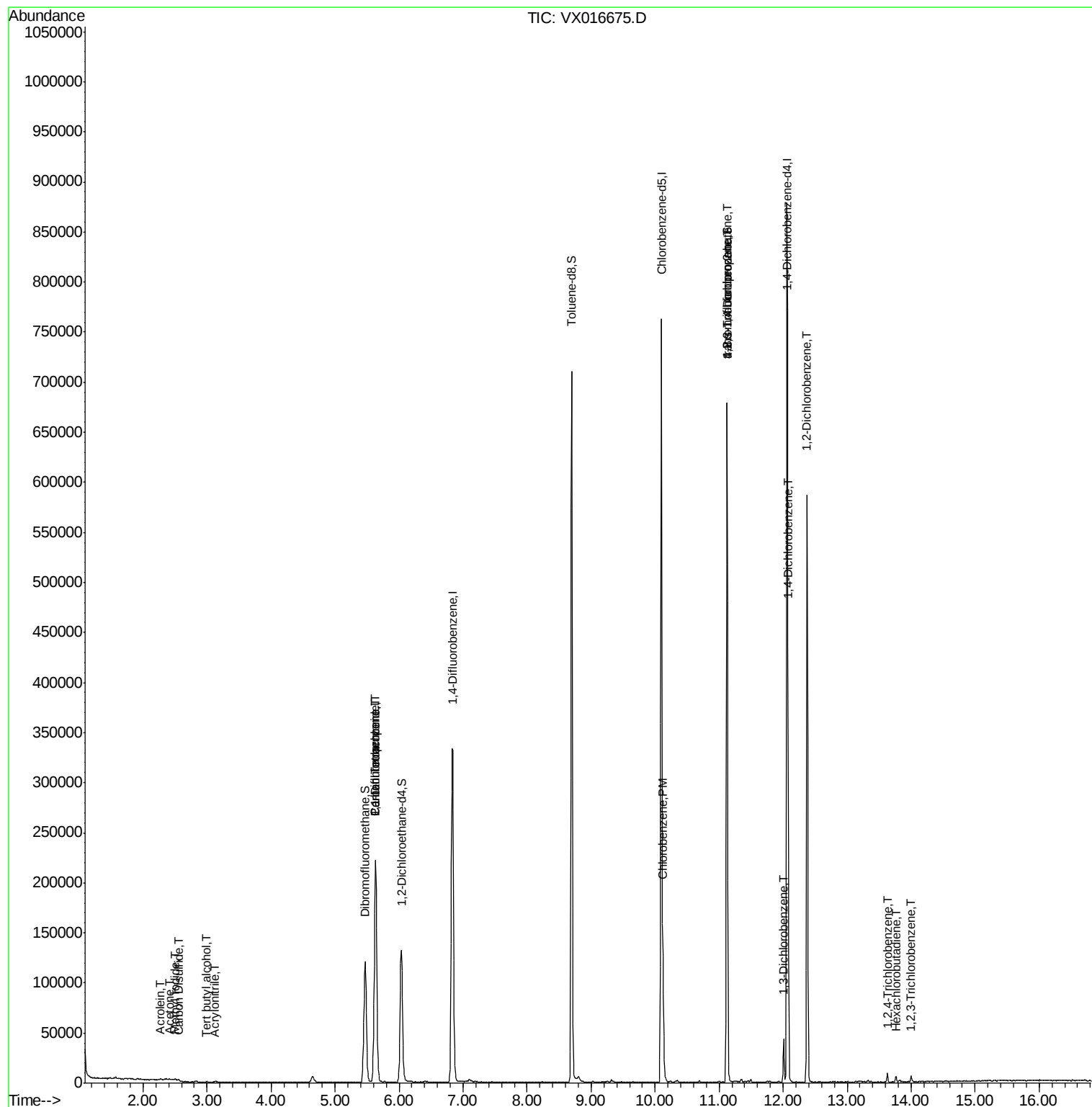
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.50	142	523	3.26	ug/l #	79
11) Tert butyl alcohol	2.99	59	270	0.38	ug/l #	72
13) Acrolein	2.27	56	439	1.47	ug/l #	35
15) Acrylonitrile	3.11	53	359	0.25	ug/l #	90
16) Acetone	2.42	43	935	0.78	ug/l #	85
17) Carbon Disulfide	2.56	76	1759	0.28	ug/l	99
36) 1,1-Dichloropropene	5.63	75	15544	4.72	ug/l #	47
38) Carbon Tetrachloride	5.63	117	21505	6.21	ug/l #	16
65) Chlorobenzene	10.12	112	50024	6.91	ug/l	98
76) 1,2,3-Trichloropropane	11.12	75	83549	20.67	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	83549	50.86	ug/l #	14
87) 1,3-Dichlorobenzene	12.01	146	15352	2.65	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	41950	7.09	ug/l	94
91) 1,2-Dichlorobenzene	12.38	146	206279	36.78	ug/l	99
93) 1,2,4-Trichlorobenzene	13.63	180	2266	0.61	ug/l	97
94) Hexachlorobutadiene	13.77	225	1066	0.73	ug/l	92
96) 1,2,3-Trichlorobenzene	14.00	180	1407	0.39	ug/l	92

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016675.D

Acq: 10 Jun 2020 15:23

Instrument :

MSVOA_X

ClientSampleId :

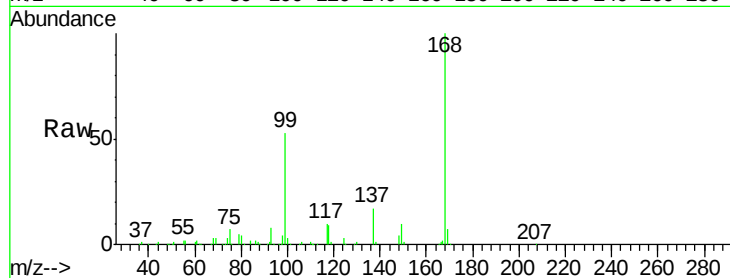
Z5-DUP-0564-200609

Tgt Ion:168 Resp: 221064

Ion Ratio Lower Upper

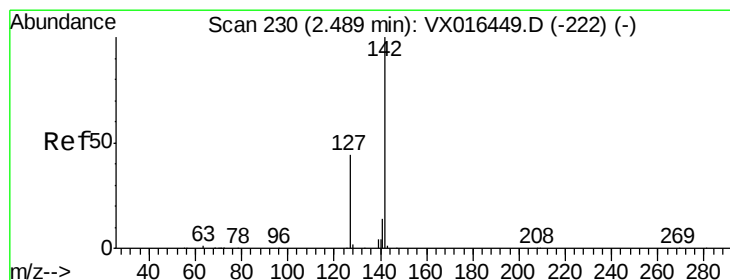
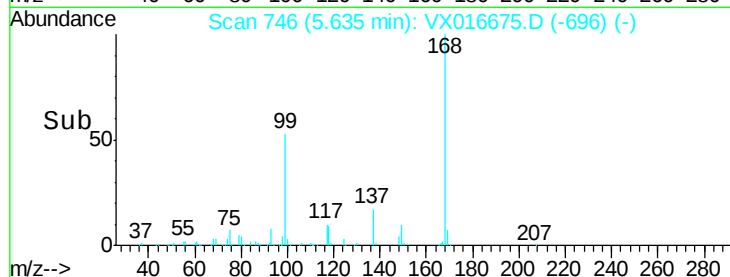
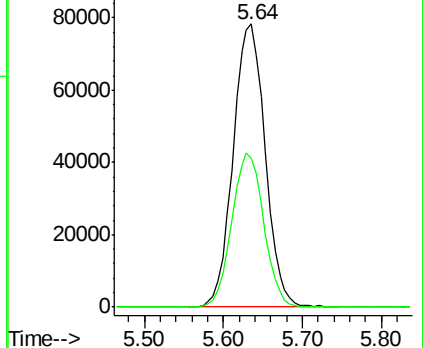
168 100

99 52.6 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#10

Methyl Iodide

Concen: 3.26 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX016675.D

Acq: 10 Jun 2020 15:23

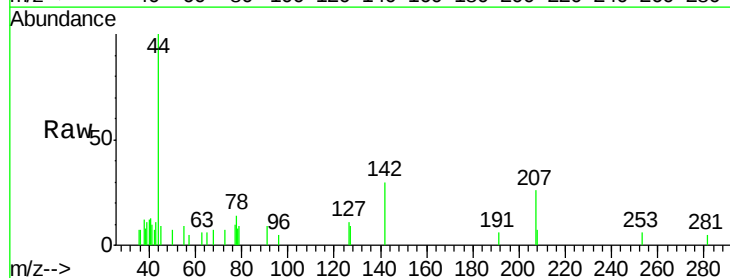
Tgt Ion:142 Resp: 523

Ion Ratio Lower Upper

142 100

127 55.1 35.3 52.9#

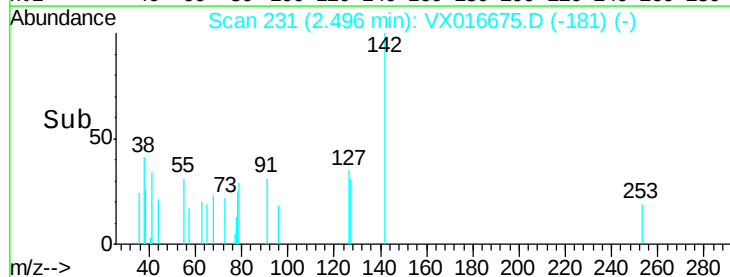
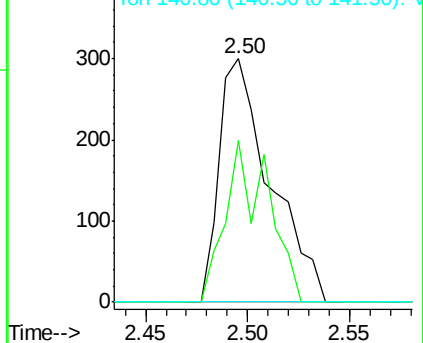
141 0.0 11.4 17.2#

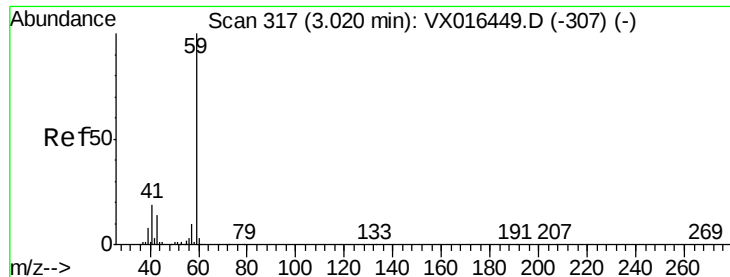


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

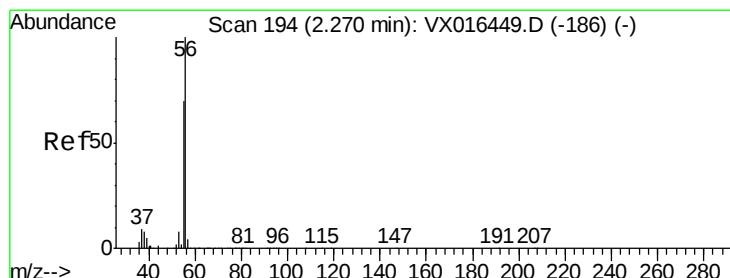
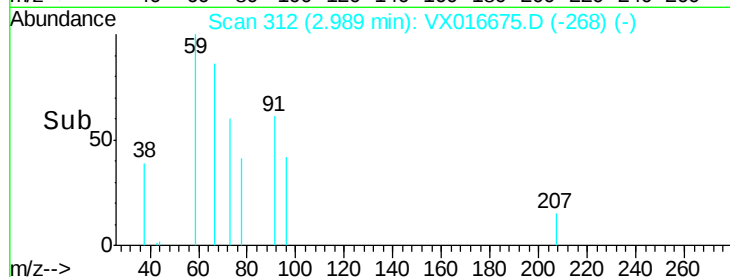
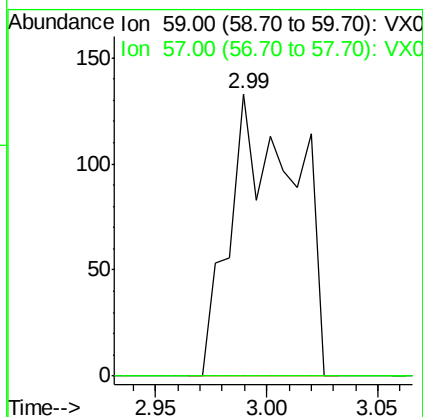
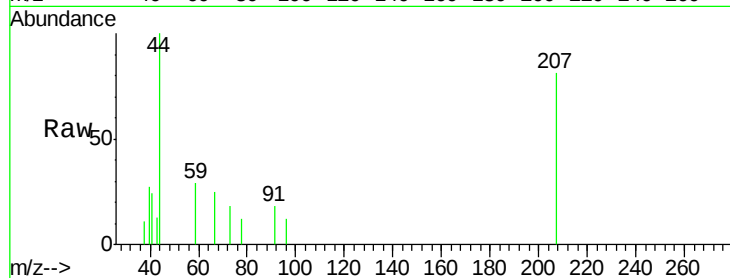




#11
Tert butyl alcohol
Concen: 0.38 ug/l
RT: 2.99 min Scan# 312
Delta R.T. -0.03 min
Lab File: VX016675.D
Acq: 10 Jun 2020 15:23

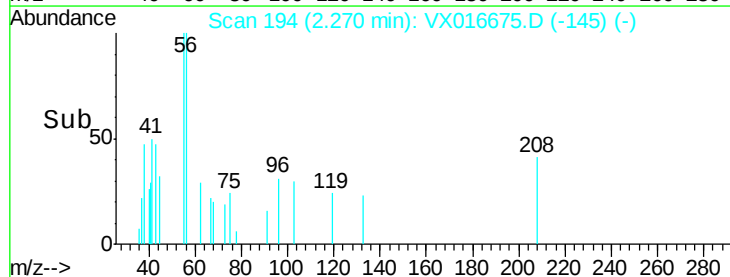
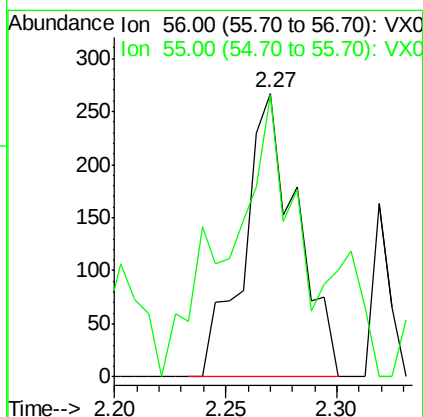
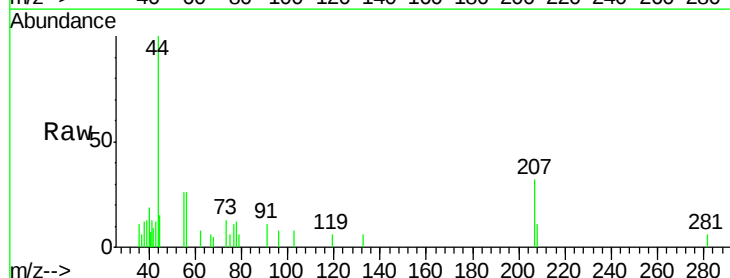
Instrument :
MSVOA_X
ClientSampleId :
Z5-DUP-0564-200609

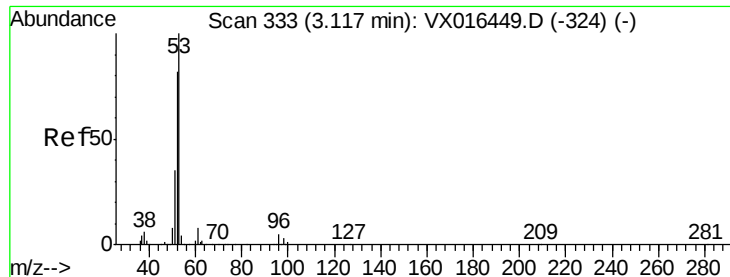
Tgt Ion: 59 Resp: 270
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 1.47 ug/l
RT: 2.27 min Scan# 194
Delta R.T. 0.00 min
Lab File: VX016675.D
Acq: 10 Jun 2020 15:23

Tgt Ion: 56 Resp: 439
Ion Ratio Lower Upper
56 100
55 127.8 58.3 87.5#





#15

Acrylonitrile

Concen: 0.25 ug/l

RT: 3.11 min Scan# 332

Delta R.T. -0.01 min

Lab File: VX016675.D

Acq: 10 Jun 2020 15:23

Instrument :

MSVOA_X

ClientSampleId :

Z5-DUP-0564-200609

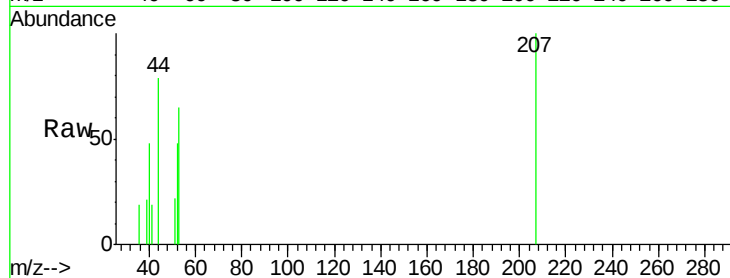
Tgt Ion: 53 Resp: 359

Ion Ratio Lower Upper

53 100

52 89.7 66.7 100.1

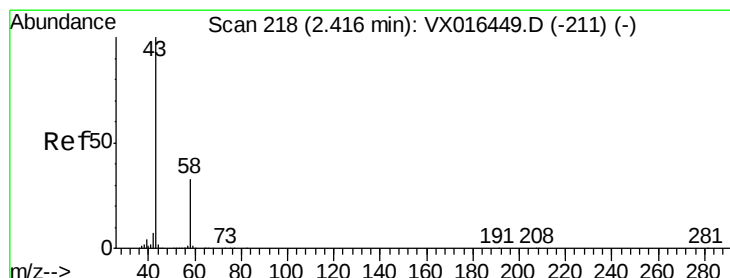
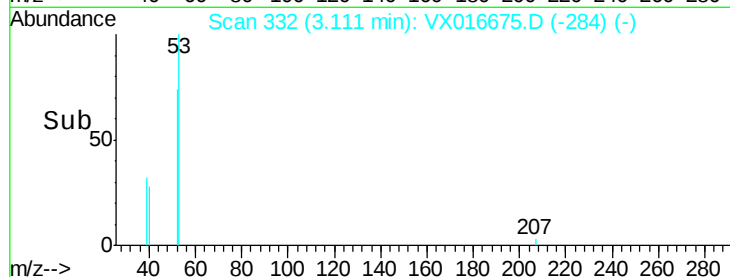
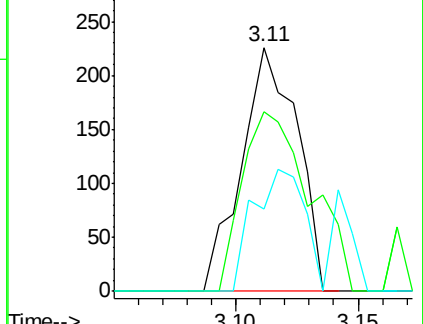
51 46.0 28.6 43.0#



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: 0.78 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX016675.D

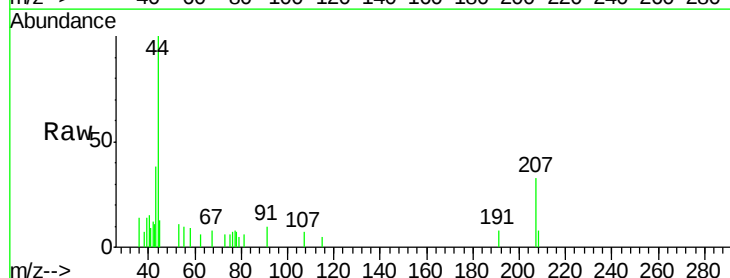
Acq: 10 Jun 2020 15:23

Tgt Ion: 43 Resp: 935

Ion Ratio Lower Upper

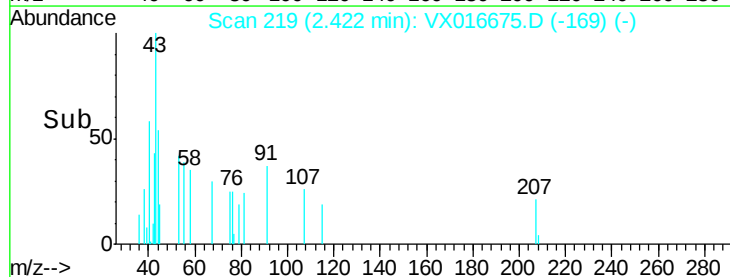
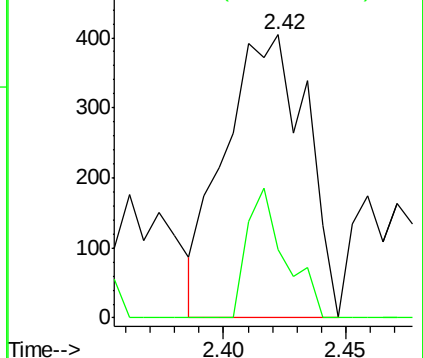
43 100

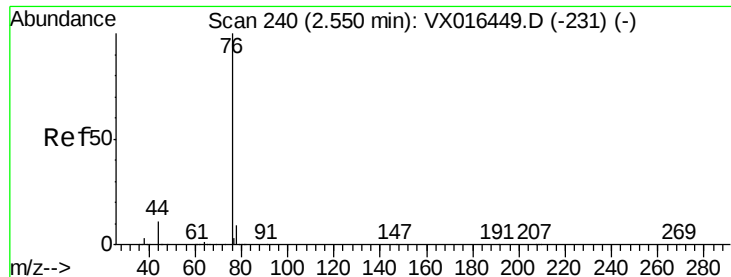
58 24.0 26.1 39.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

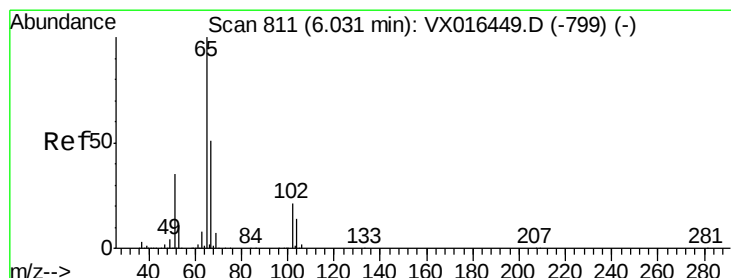
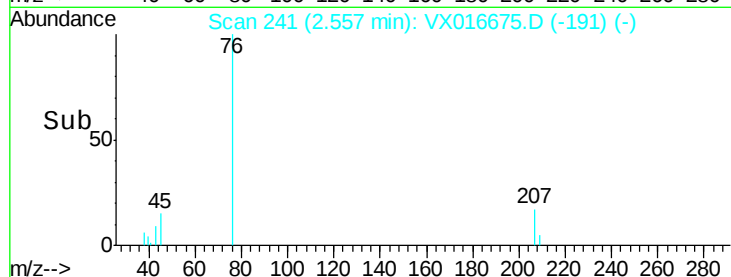
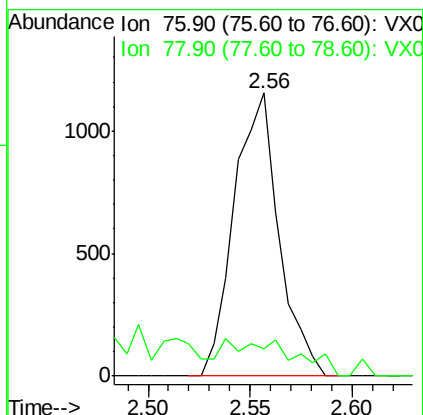
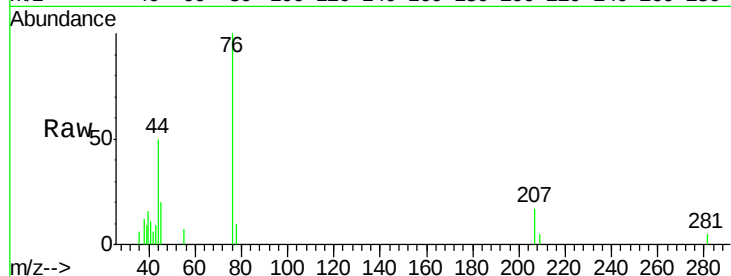




#17
Carbon Disulfide
Concen: 0.28 ug/l
RT: 2.56 min Scan# 241
Delta R.T. 0.01 min
Lab File: VX016675.D
Acq: 10 Jun 2020 15:23

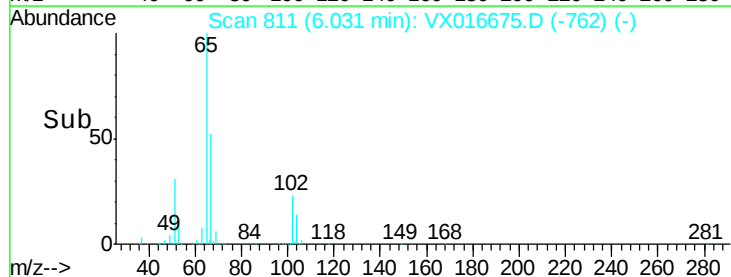
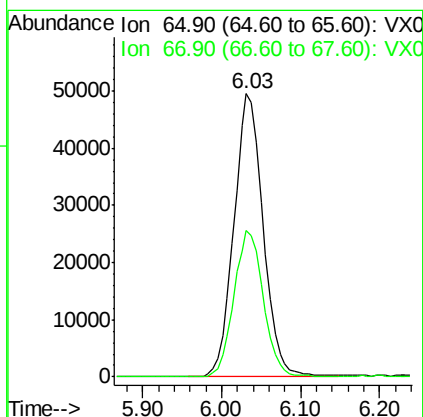
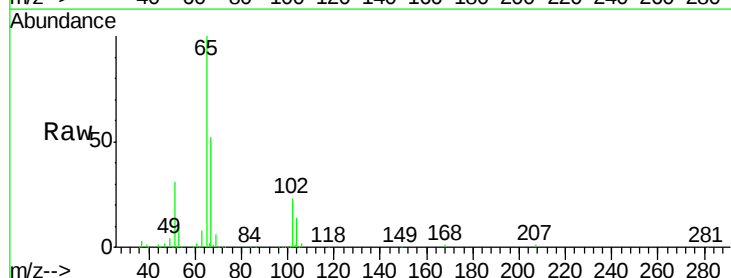
Instrument :
MSVOA_X
ClientSampleId :
Z5-DUP-0564-200609

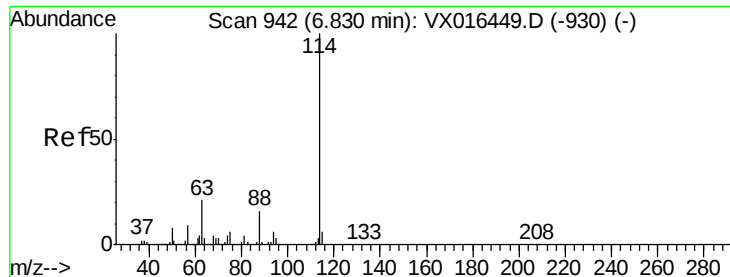
Tgt Ion: 76 Resp: 1759
Ion Ratio Lower Upper
76 100
78 9.6 7.4 11.0



#33
1,2-Dichloroethane-d4
Concen: 46.58 ug/l
RT: 6.03 min Scan# 811
Delta R.T. 0.00 min
Lab File: VX016675.D
Acq: 10 Jun 2020 15:23

Tgt Ion: 65 Resp: 127885
Ion Ratio Lower Upper
65 100
67 52.1 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016675.D

Acq: 10 Jun 2020 15:23

Instrument :

MSVOA_X

ClientSampleId :

Z5-DUP-0564-200609

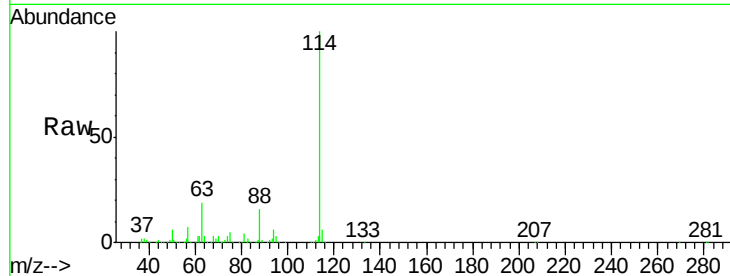
Tgt Ion:114 Resp: 347920

Ion Ratio Lower Upper

114 100

63 18.7 0.0 42.6

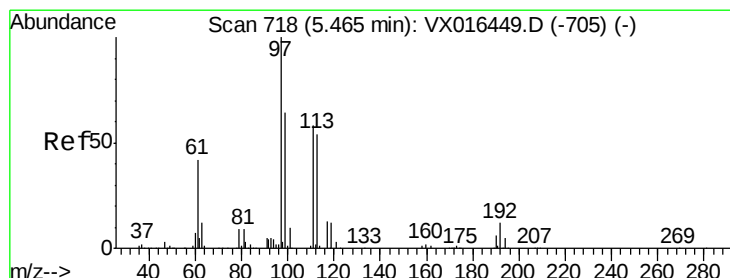
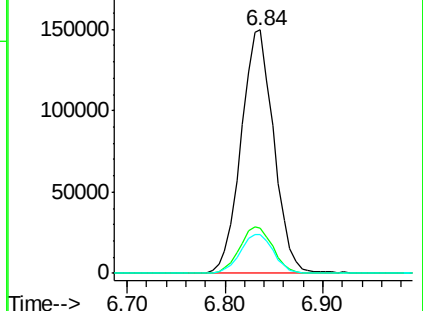
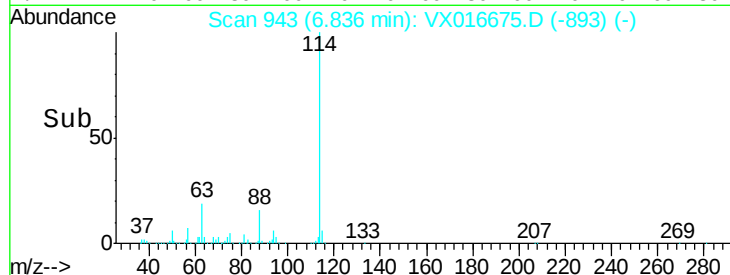
88 15.9 0.0 32.8



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: 49.03 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.00 min

Lab File: VX016675.D

Acq: 10 Jun 2020 15:23

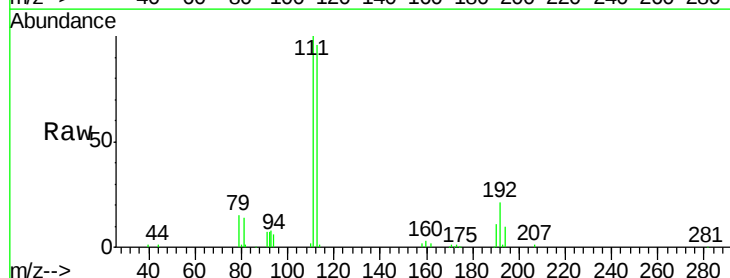
Tgt Ion:113 Resp: 105029

Ion Ratio Lower Upper

113 100

111 103.6 83.0 124.6

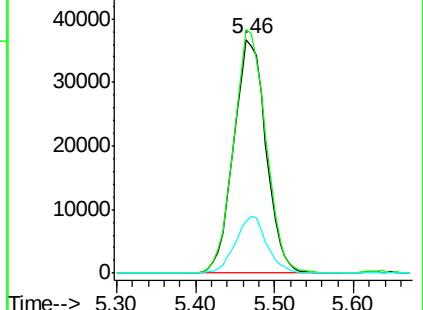
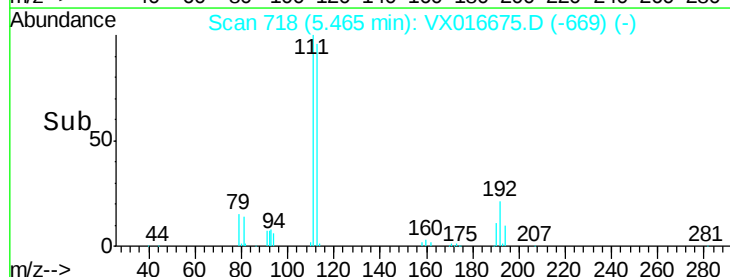
192 23.5 17.7 26.5

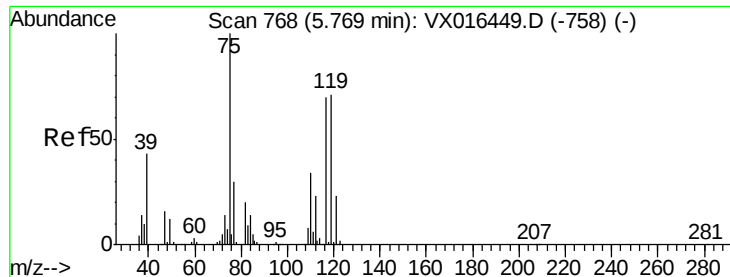


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

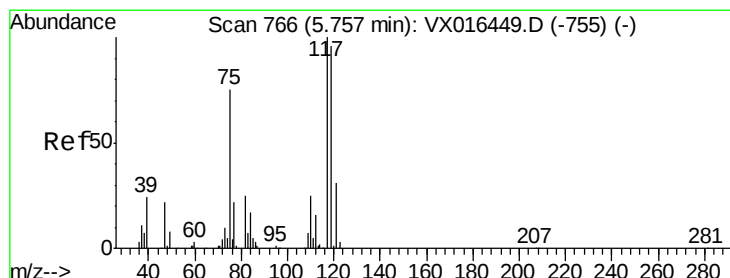
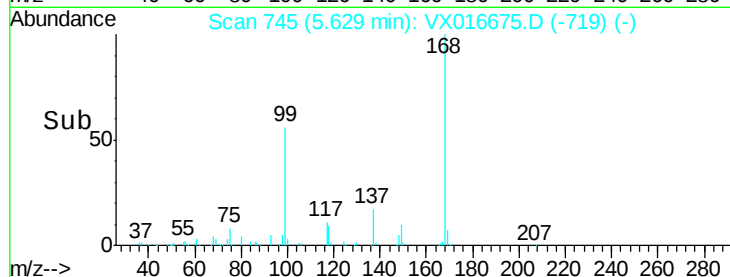
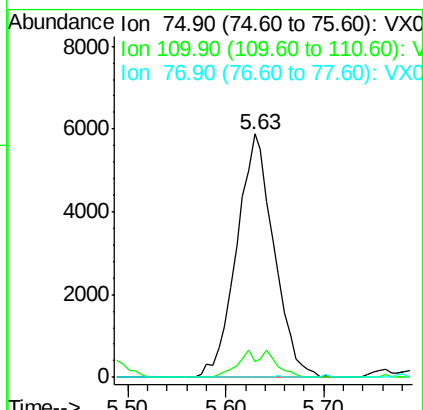
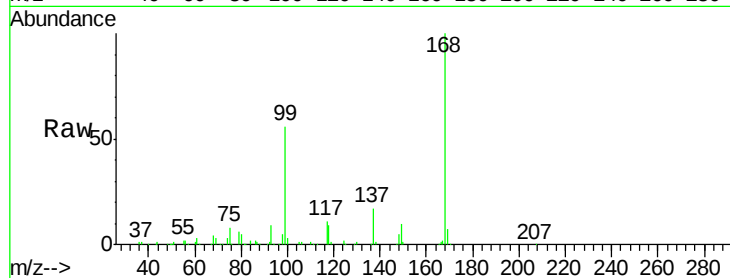




#36
 1,1-Dichloropropene
 Concen: 4.72 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX016675.D
 Acq: 10 Jun 2020 15:23

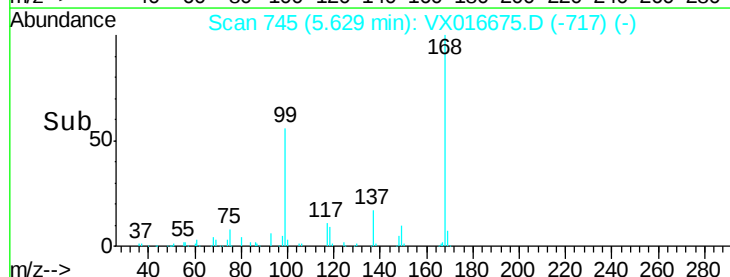
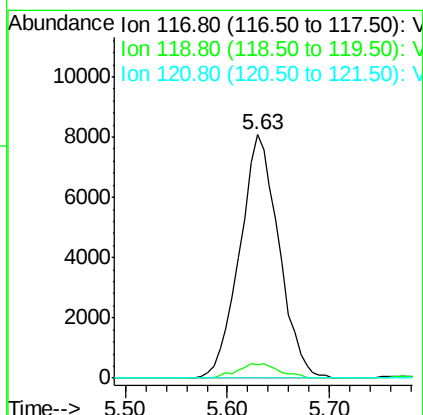
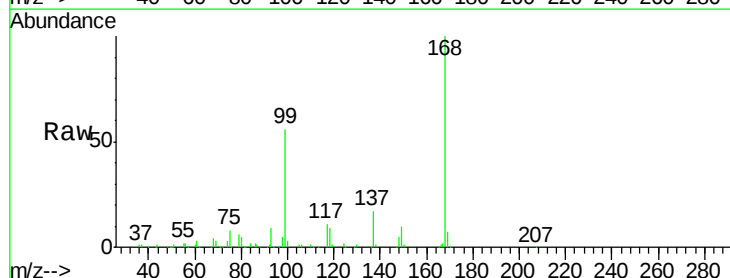
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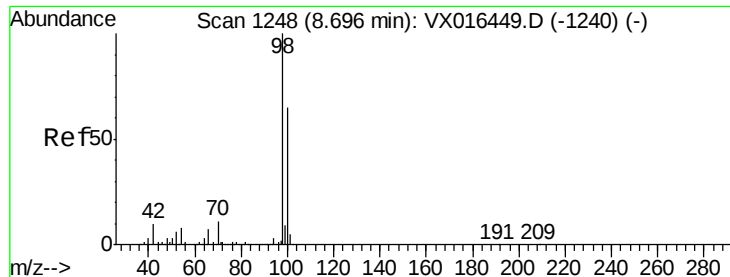
Tgt Ion	Ratio	Lower	Upper
75	100		
110	5.1	17.4	52.3#
77	0.0	24.2	36.4#



#38
 Carbon Tetrachloride
 Concen: 6.21 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.13 min
 Lab File: VX016675.D
 Acq: 10 Jun 2020 15:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.4	76.3	114.5#
121	0.0	24.6	37.0#





#50

Toluene-d8

Concen: 50.94 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX016675.D

Acq: 10 Jun 2020 15:23

Instrument :

MSVOA_X

ClientSampleId :

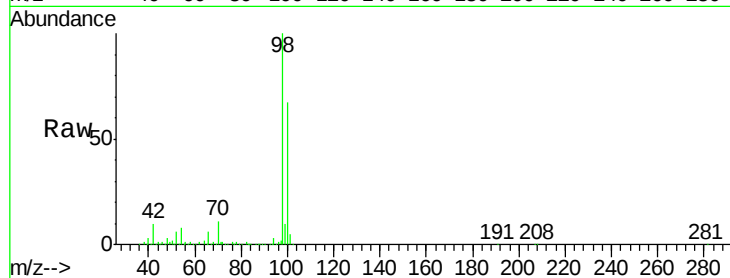
Z5-DUP-0564-200609

Tgt Ion: 98 Resp: 424789

Ion Ratio Lower Upper

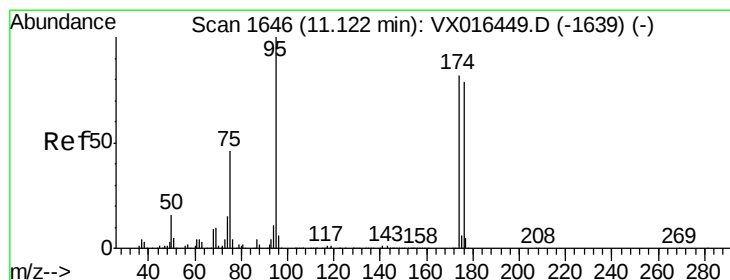
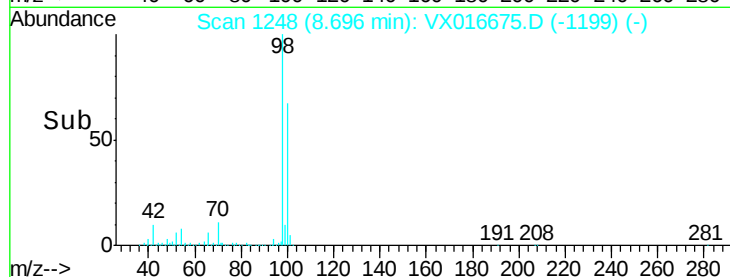
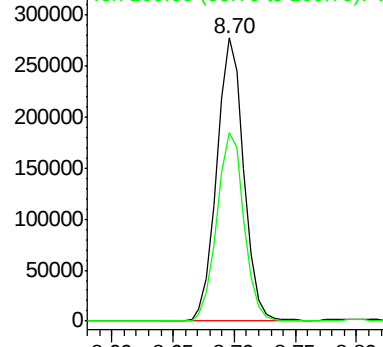
98 100

100 67.2 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 54.07 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX016675.D

Acq: 10 Jun 2020 15:23

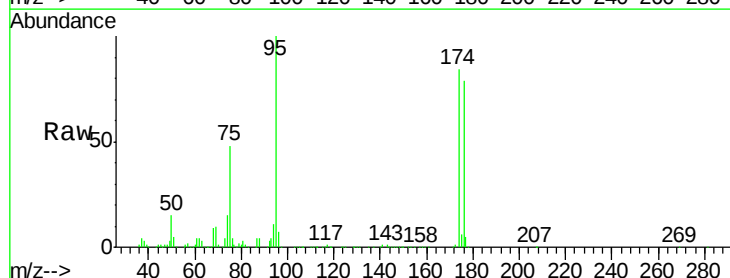
Tgt Ion: 95 Resp: 174220

Ion Ratio Lower Upper

95 100

174 86.2 0.0 163.0

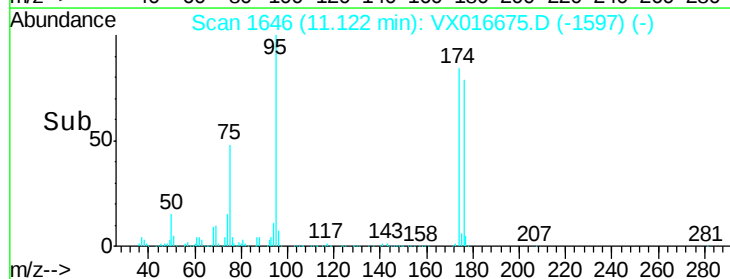
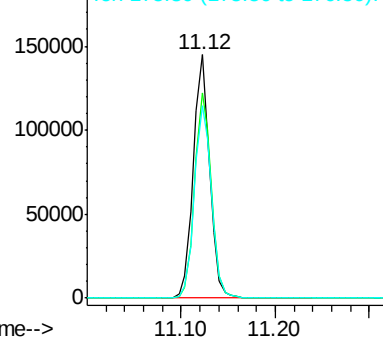
176 82.6 0.0 156.8

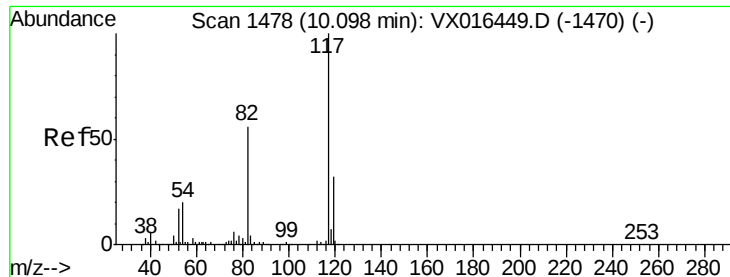


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

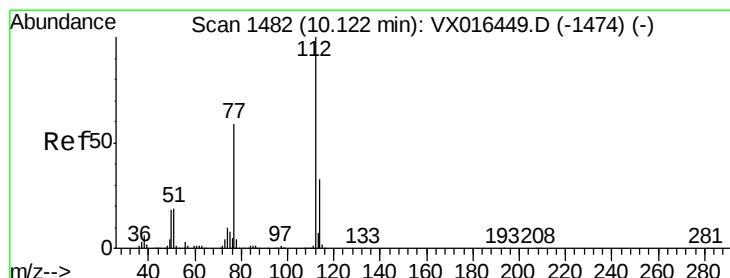
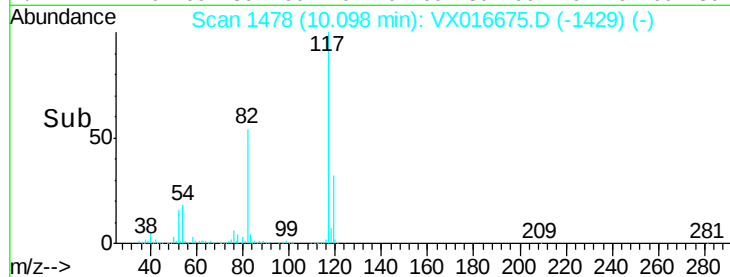
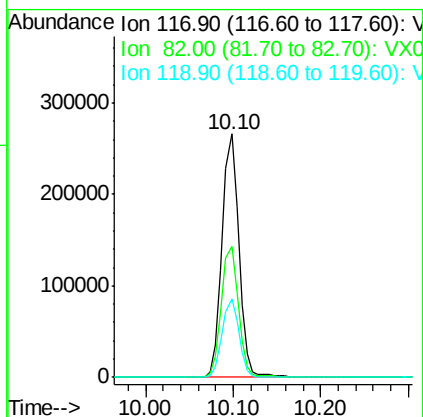
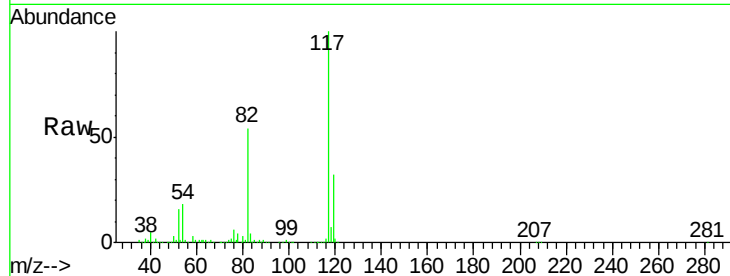




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX016675.D
Acq: 10 Jun 2020 15:23

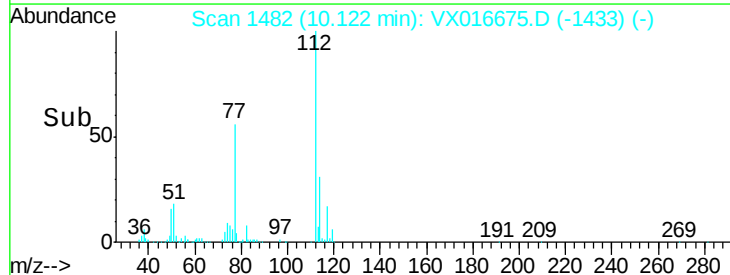
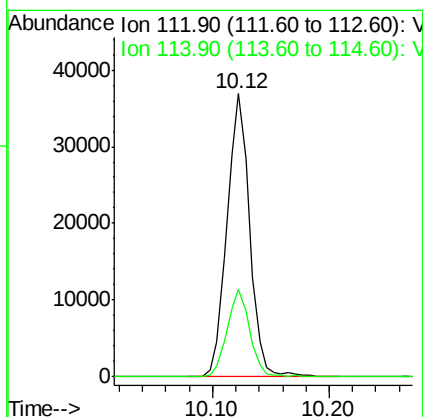
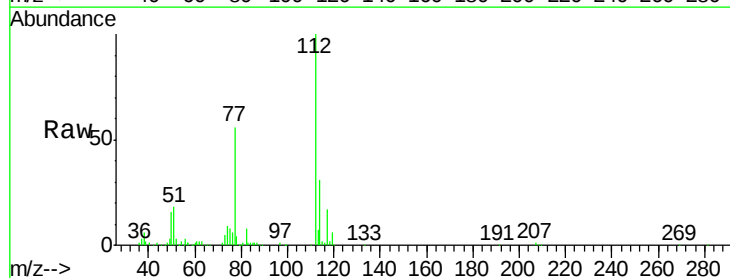
Instrument :
MSVOA_X
ClientSampleId :
Z5-DUP-0564-200609

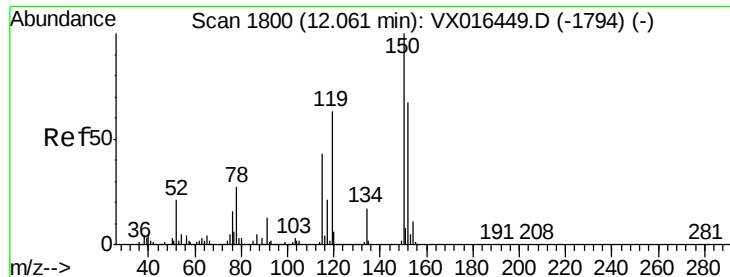
Tgt Ion:117 Resp: 355155
Ion Ratio Lower Upper
117 100
82 53.9 45.0 67.6
119 32.3 25.8 38.8



#65
Chlorobenzene
Concen: 6.91 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX016675.D
Acq: 10 Jun 2020 15:23

Tgt Ion:112 Resp: 50024
Ion Ratio Lower Upper
112 100
114 31.1 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX016675.D

Acq: 10 Jun 2020 15:23

Instrument :

MSVOA_X

ClientSampleId :

Z5-DUP-0564-200609

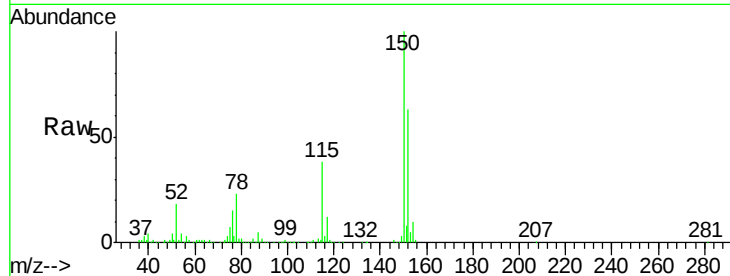
Tgt Ion: 152 Resp: 183849

Ion Ratio Lower Upper

152 100

115 57.7 39.9 119.6

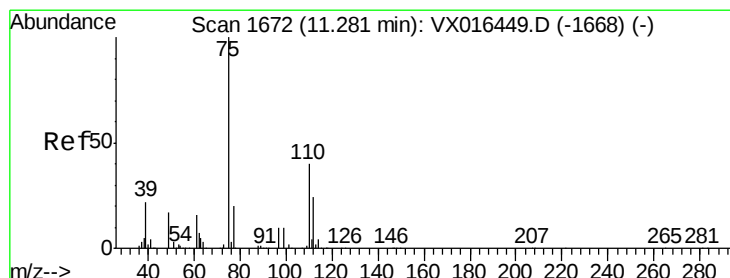
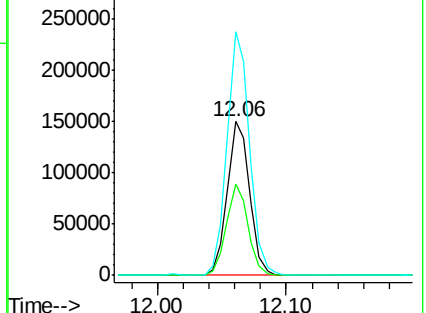
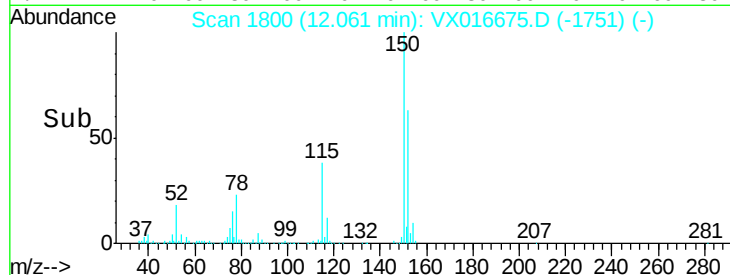
150 159.2 0.0 341.0



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



#76

1,2,3-Trichloropropane

Concen: 20.67 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016675.D

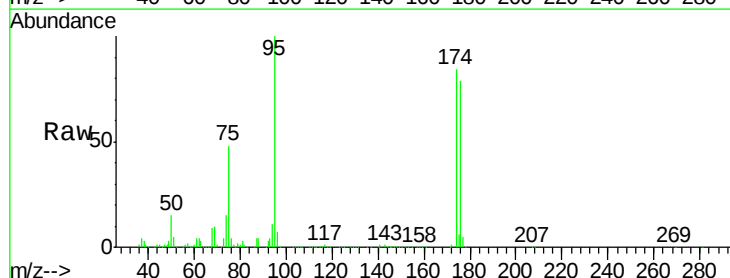
Acq: 10 Jun 2020 15:23

Tgt Ion: 75 Resp: 83549

Ion Ratio Lower Upper

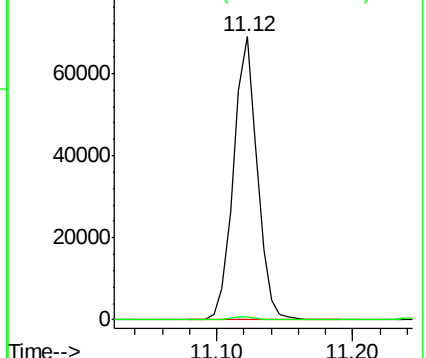
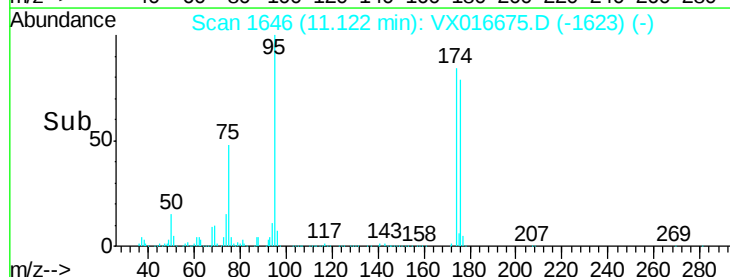
75 100

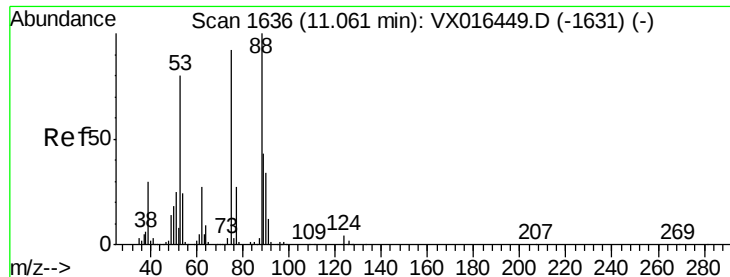
77 1.3 21.3 63.7#



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: 50.86 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016675.D

Acq: 10 Jun 2020 15:23

Instrument :

MSVOA_X

ClientSampleId :

Z5-DUP-0564-200609

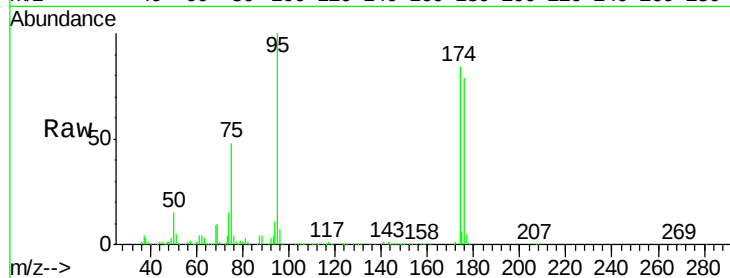
Tgt Ion: 75 Resp: 83549

Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

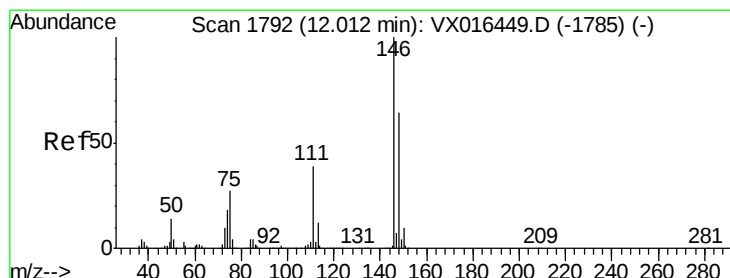
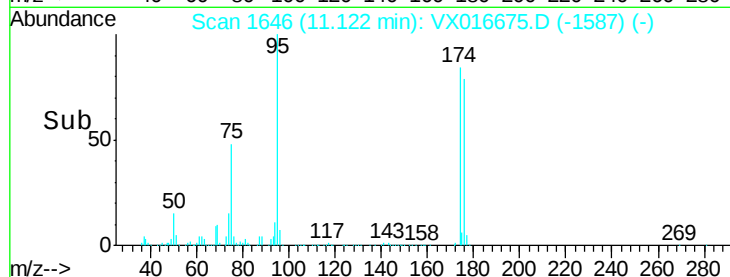
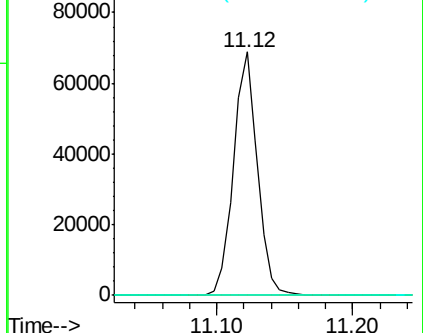
89 0.0 36.6 55.0#



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



#87

1,3-Dichlorobenzene

Concen: 2.65 ug/l

RT: 12.01 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX016675.D

Acq: 10 Jun 2020 15:23

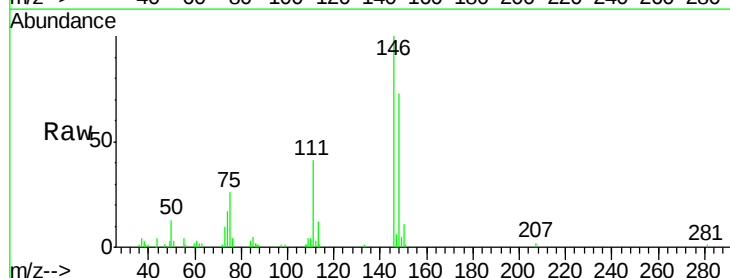
Tgt Ion: 146 Resp: 15352

Ion Ratio Lower Upper

146 100

111 38.6 20.0 60.0

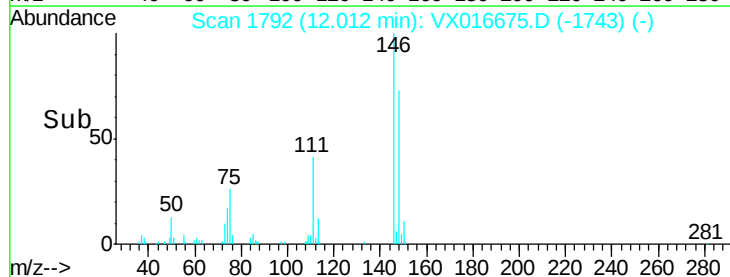
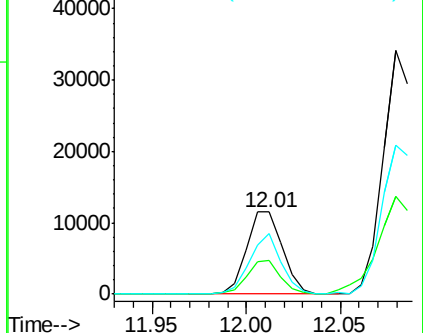
148 63.9 31.9 95.5

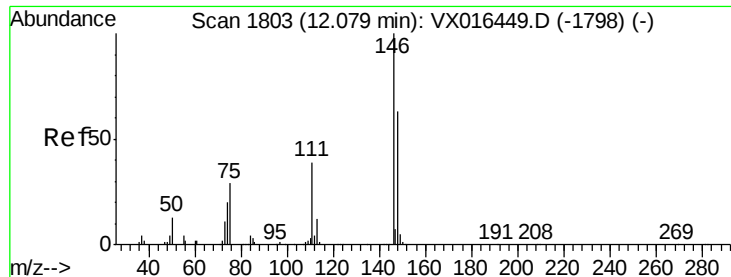


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

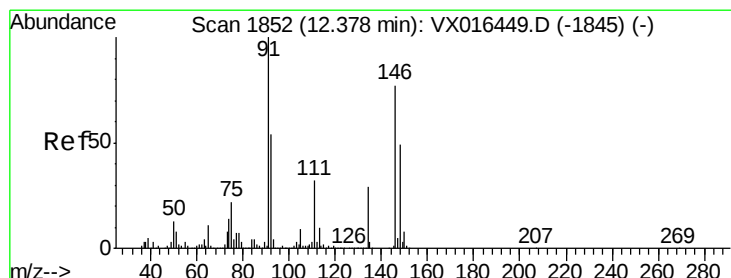
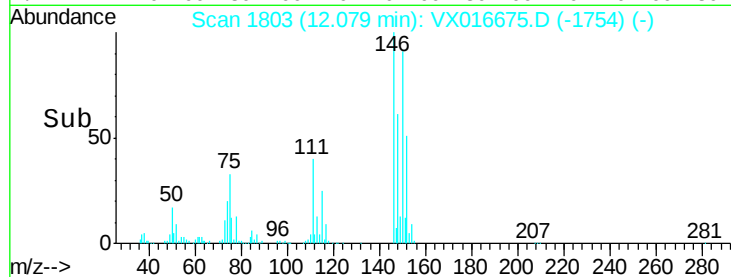
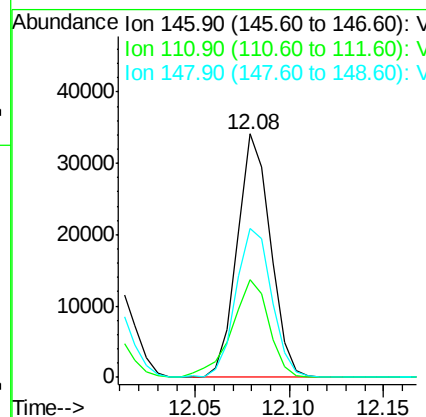
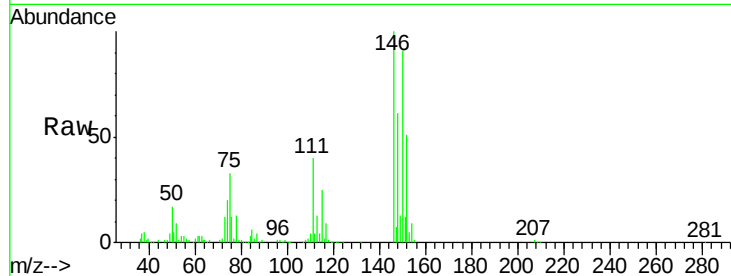




#88
 1,4-Dichlorobenzene
 Concen: 7.09 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VX016675.D
 Acq: 10 Jun 2020 15:23

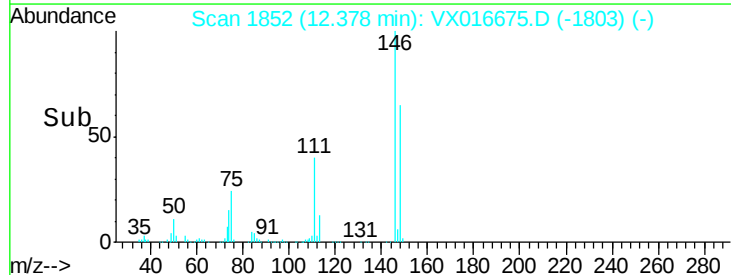
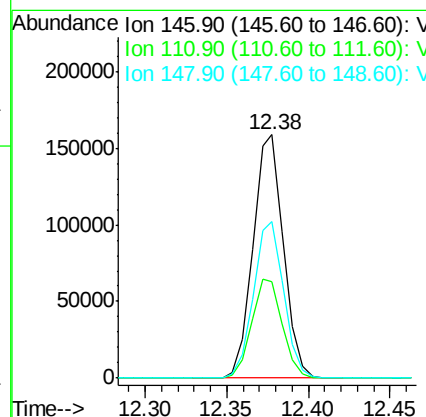
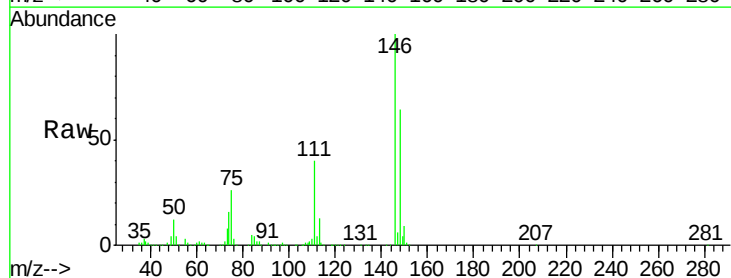
Instrument :
 MSVOA_X
 ClientSampleId :
 Z5-DUP-0564-200609

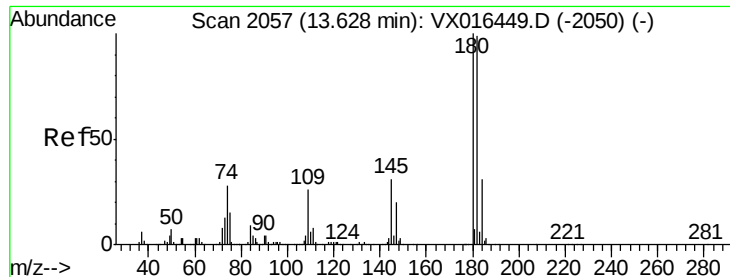
Tgt Ion:146 Resp: 41950
 Ion Ratio Lower Upper
 146 100
 111 44.8 19.4 58.2
 148 65.7 31.4 94.3



#91
 1,2-Dichlorobenzene
 Concen: 36.78 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX016675.D
 Acq: 10 Jun 2020 15:23

Tgt Ion:146 Resp: 206279
 Ion Ratio Lower Upper
 146 100
 111 41.2 21.4 64.3
 148 64.0 31.9 95.7

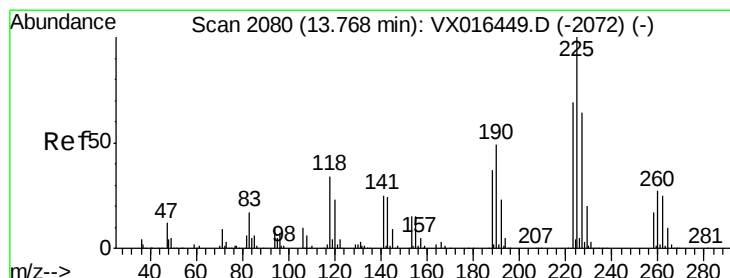
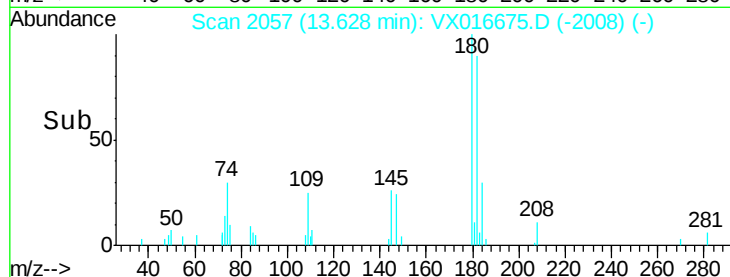
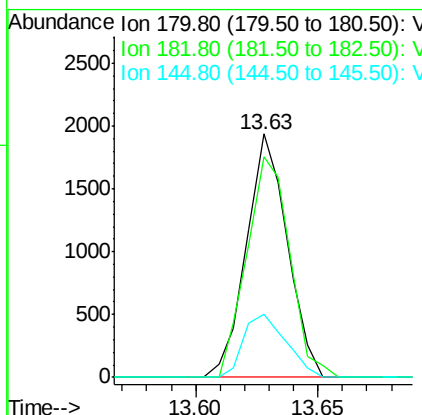
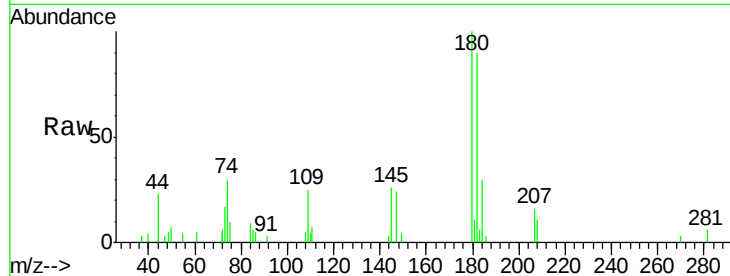




#93
 1,2,4-Trichlorobenzene
 Concen: 0.61 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX016675.D
 Acq: 10 Jun 2020 15:23

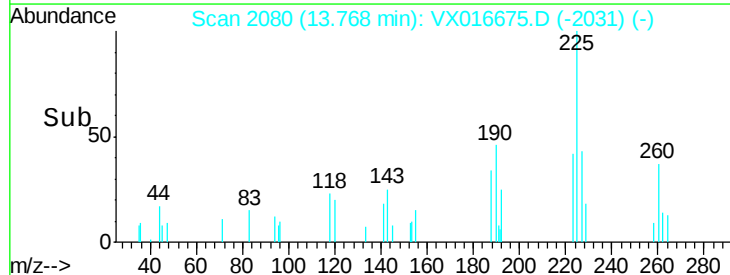
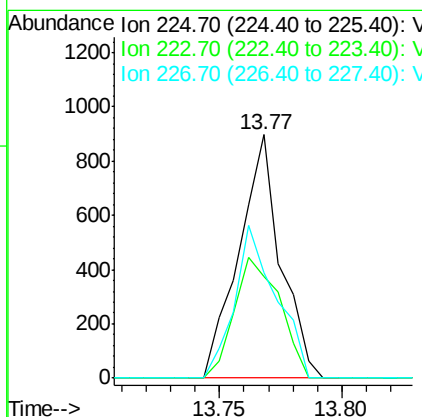
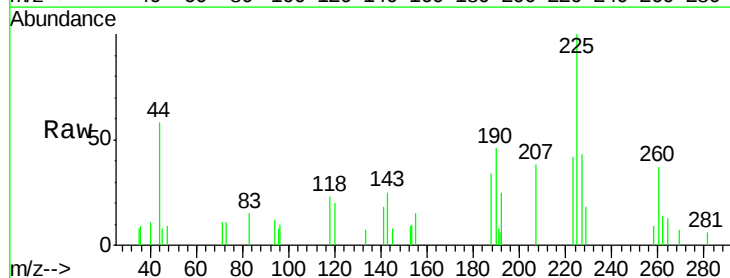
Instrument :
 MSVOA_X
 ClientSampleId :
 Z5-DUP-0564-200609

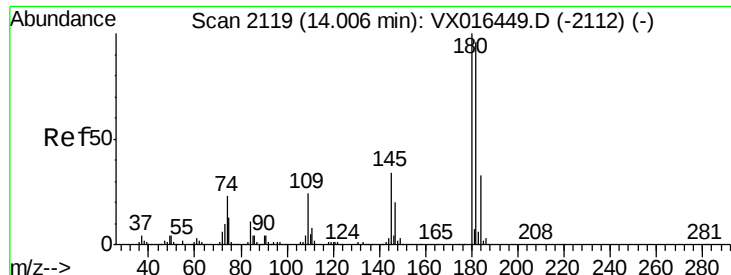
Tgt Ion:180 Resp: 2266
 Ion Ratio Lower Upper
 180 100
 182 95.3 48.3 144.8
 145 26.6 15.4 46.2



#94
 Hexachlorobutadiene
 Concen: 0.73 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX016675.D
 Acq: 10 Jun 2020 15:23

Tgt Ion:225 Resp: 1066
 Ion Ratio Lower Upper
 225 100
 223 53.8 32.3 96.8
 227 61.6 31.6 94.7

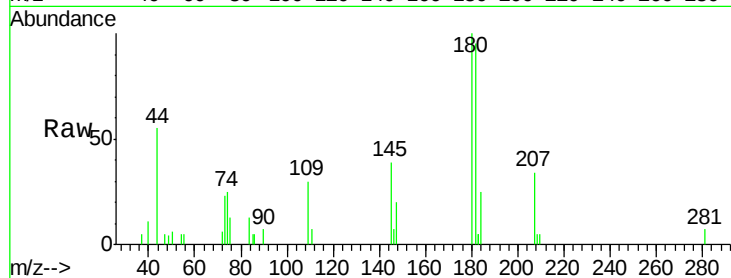




#96
 1,2,3-Trichlorobenzene
 Concen: 0.39 ug/l
 RT: 14.00 min Scan# 2118
 Delta R.T. -0.01 min
 Lab File: VX016675.D
 Acq: 10 Jun 2020 15:23

Instrument :
 MSVOA_X
 ClientSampleId :
 Z5-DUP-0564-200609

Tgt Ion	Ratio	Lower	Upper
180	100		
182	103.8	48.6	145.8
145	39.0	16.6	49.8



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

