

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX061020\
 Data File : VX016671.D
 Acq On : 10 Jun 2020 13:53
 Operator : JC/SP
 Sample : L2962-01 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS003RW114R-200609

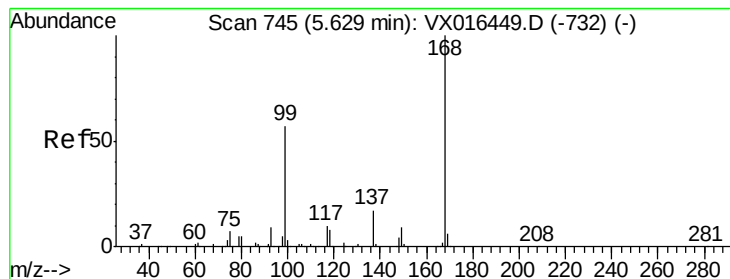
Quant Time: Jun 11 03:00:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 16:31:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	210355	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	335933	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	343138	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	192108	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	127133	48.67	ug/l	0.00
Spiked Amount			Recovery	=	97.34%	
35) Dibromofluoromethane	5.46	113	105331	50.92	ug/l	0.00
Spiked Amount			Recovery	=	101.84%	
50) Toluene-d8	8.70	98	411770	51.15	ug/l	0.00
Spiked Amount			Recovery	=	102.30%	
62) 4-Bromofluorobenzene	11.12	95	177611	57.09	ug/l	0.00
Spiked Amount			Recovery	=	114.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.62	94	532	0.41	ug/l #	74
10) Methyl Iodide	2.50	142	496	3.26	ug/l #	55
13) Acrolein	2.27	56	104	0.36	ug/l #	59
16) Acetone	2.42	43	540	0.47	ug/l	96
18) Methyl Acetate	2.76	43	738	0.25	ug/l #	74
20) Methylene Chloride	2.83	84	600	0.25	ug/l #	79
31) Cyclohexane	5.63	56	3718	1.02	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	14845	4.67	ug/l #	51
38) Carbon Tetrachloride	5.63	117	20098	6.01	ug/l #	16
65) Chlorobenzene	10.12	112	44174	6.31	ug/l	95
76) 1,2,3-Trichloropropane	11.12	75	85978	20.36	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	85978	50.09	ug/l #	14
87) 1,3-Dichlorobenzene	12.01	146	13771	2.28	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	40346	6.52	ug/l	96
91) 1,2-Dichlorobenzene	12.38	146	199315	34.01	ug/l	99
93) 1,2,4-Trichlorobenzene	13.63	180	1445	0.37	ug/l	93
96) 1,2,3-Trichlorobenzene	14.00	180	796	0.21	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

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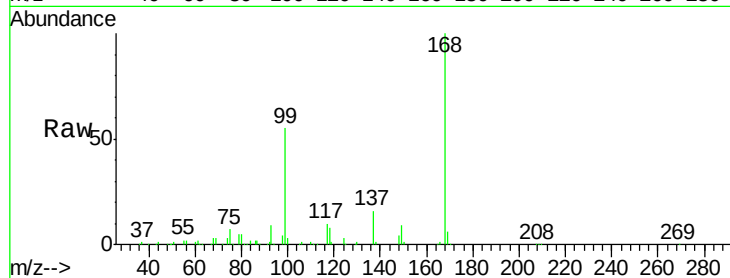
SS003RW114R-200609

Tgt Ion:168 Resp: 210355

Ion Ratio Lower Upper

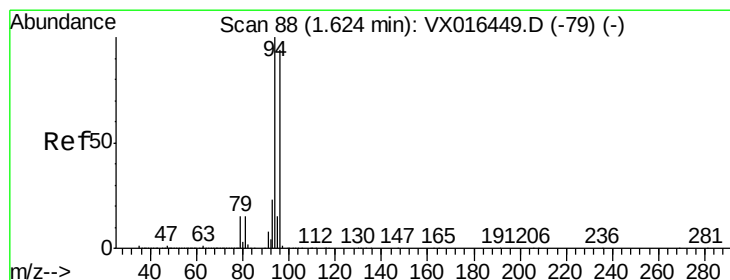
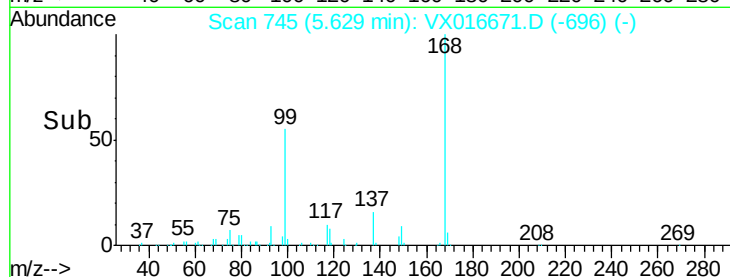
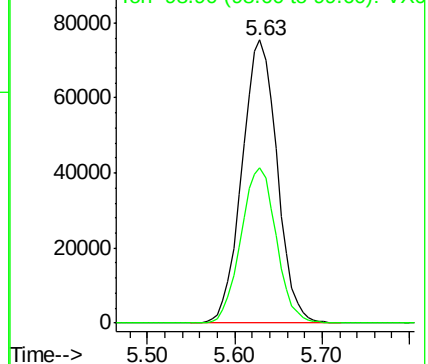
168 100

99 54.8 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.41 ug/l

RT: 1.62 min Scan# 88

Delta R.T. -0.00 min

Lab File: VX016671.D

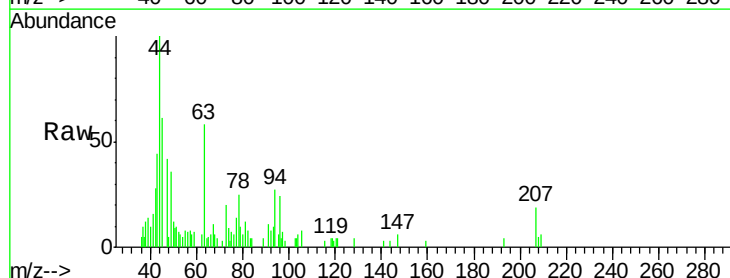
Acq: 10 Jun 2020 13:53

Tgt Ion: 94 Resp: 532

Ion Ratio Lower Upper

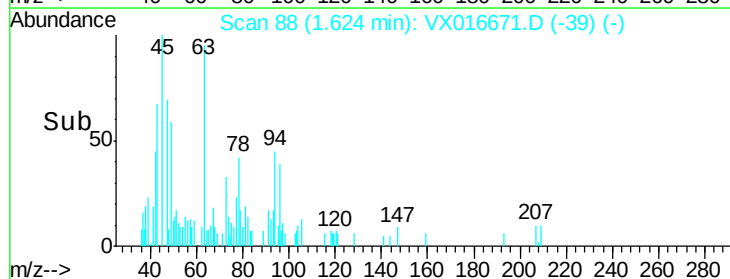
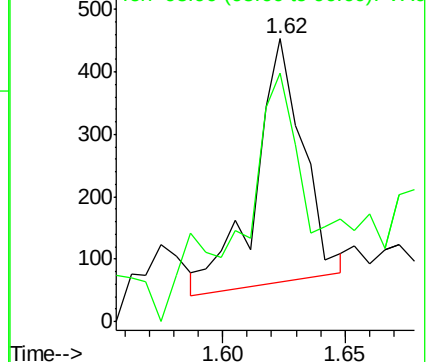
94 100

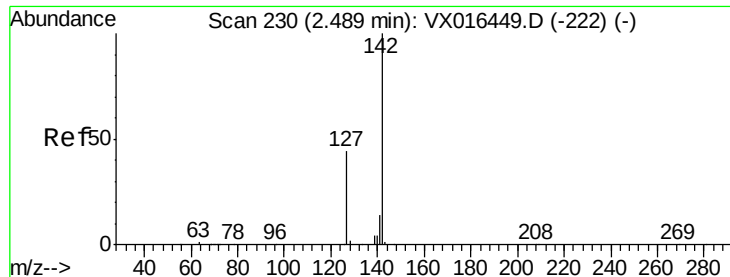
96 68.5 75.1 112.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

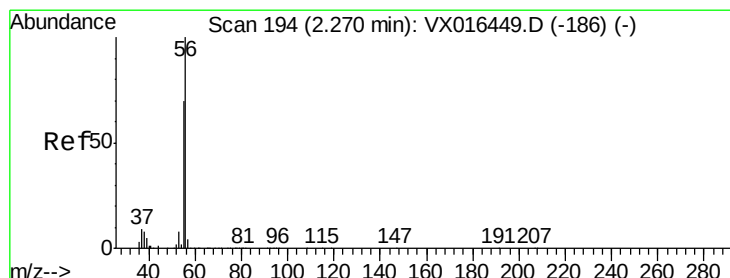
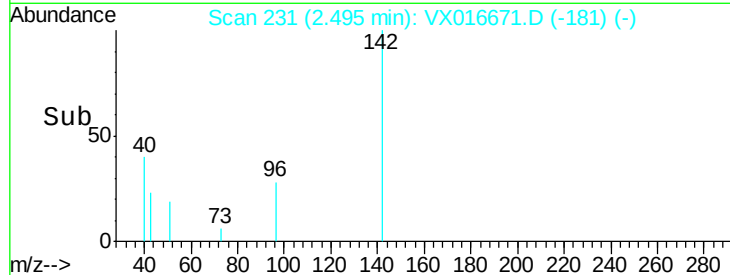
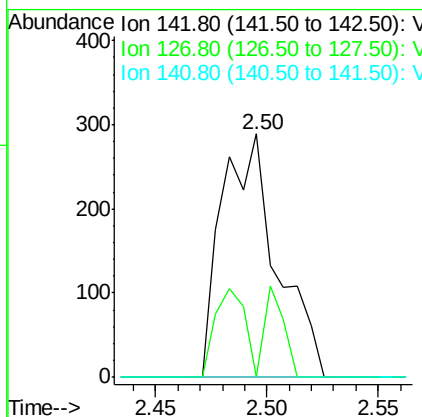
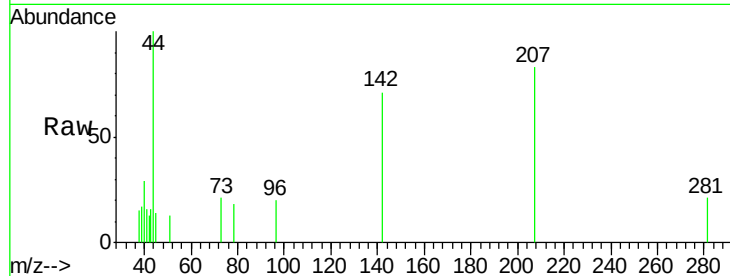




#10
Methyl Iodide
Concen: 3.26 ug/l
RT: 2.50 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX016671.D
Acq: 10 Jun 2020 13:53

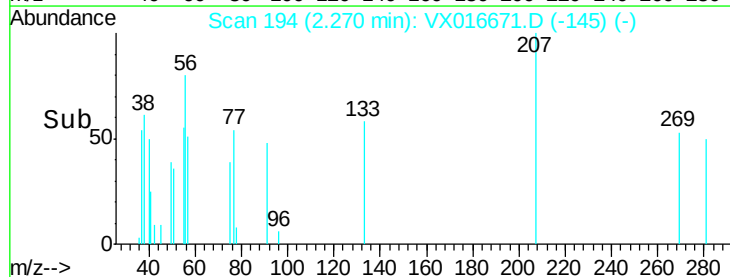
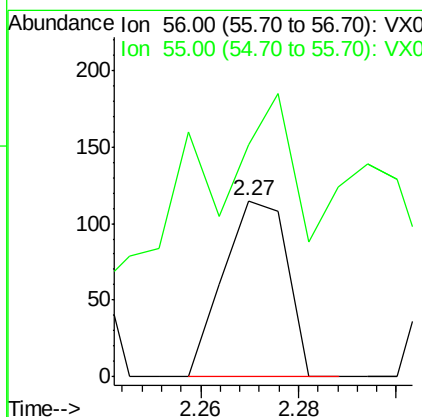
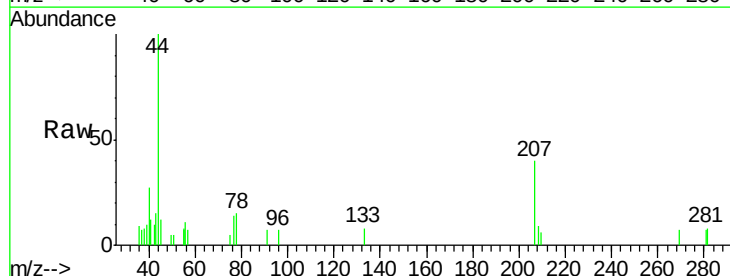
Instrument :
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ClientSampleId :
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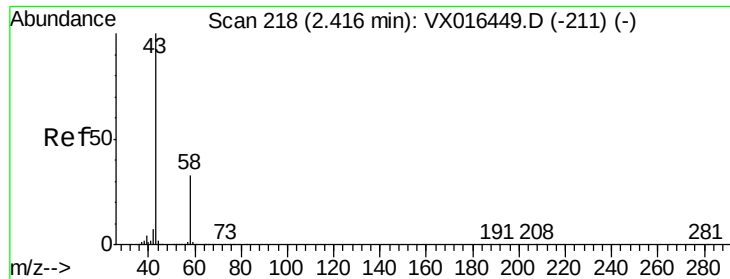
Tgt Ion: 142 Resp: 496
Ion Ratio Lower Upper
142 100
127 13.1 35.3 52.9#
141 0.0 11.4 17.2#



#13
Acrolein
Concen: 0.36 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.00 min
Lab File: VX016671.D
Acq: 10 Jun 2020 13:53

Tgt Ion: 56 Resp: 104
Ion Ratio Lower Upper
56 100
55 107.7 58.3 87.5#





#16

Acetone

Concen: 0.47 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX016671.D

Acq: 10 Jun 2020 13:53

Instrument :

MSVOA_X

ClientSampleId :

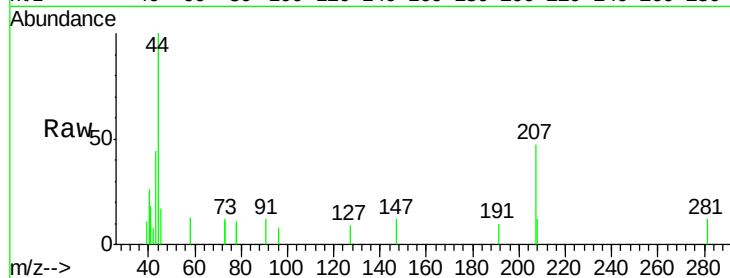
SS003RW114R-200609

Tgt Ion: 43 Resp: 540

Ion Ratio Lower Upper

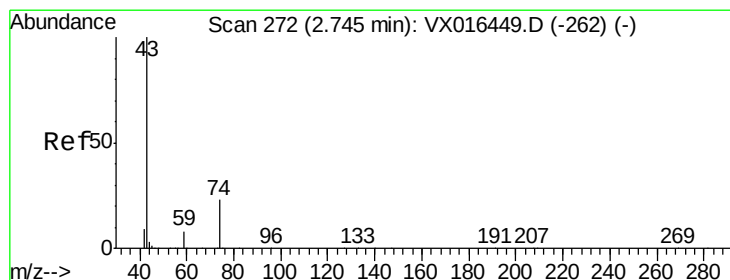
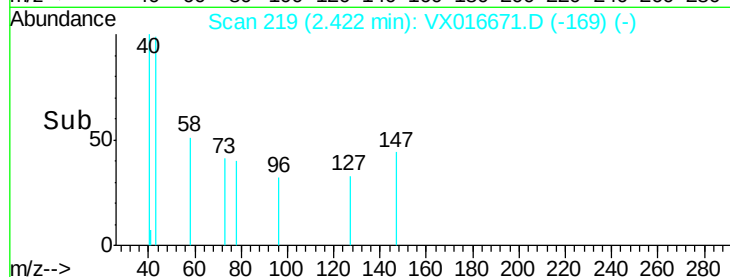
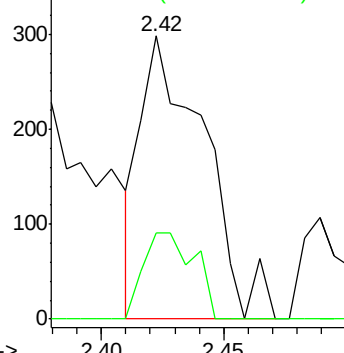
43 100

58 30.5 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 0.25 ug/l

RT: 2.76 min Scan# 274

Delta R.T. 0.01 min

Lab File: VX016671.D

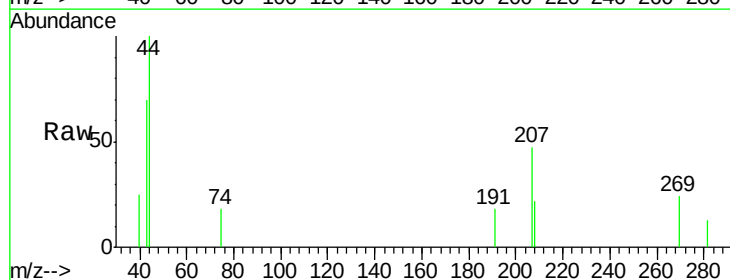
Acq: 10 Jun 2020 13:53

Tgt Ion: 43 Resp: 738

Ion Ratio Lower Upper

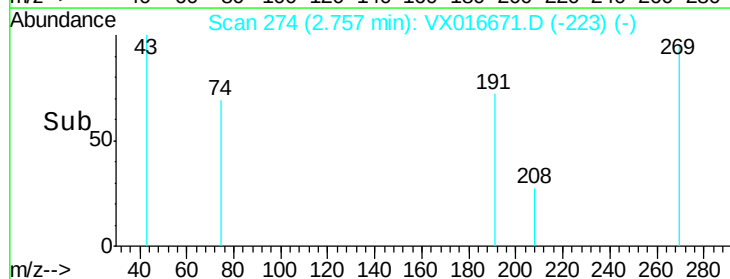
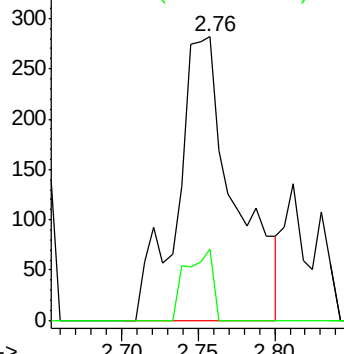
43 100

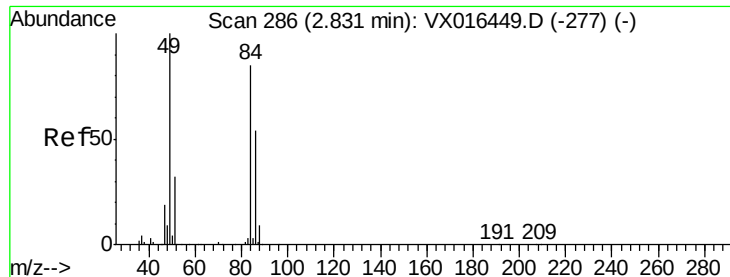
74 11.8 19.7 29.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

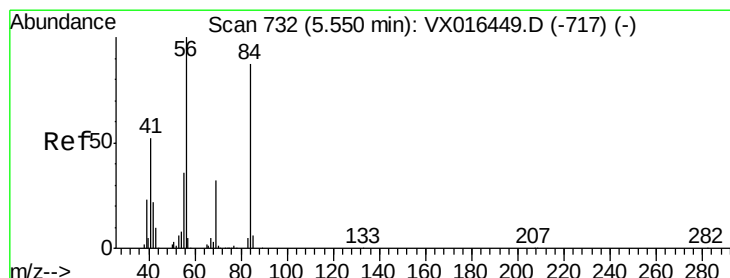
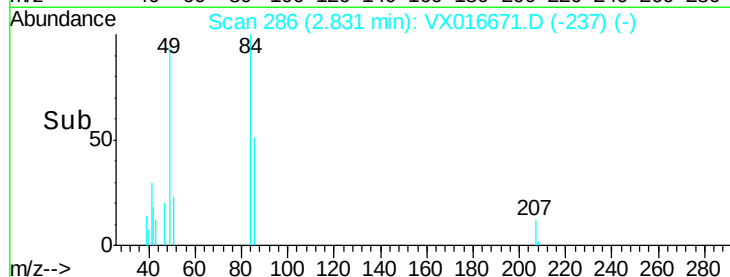
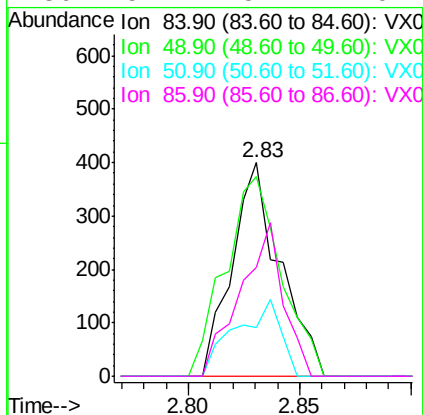
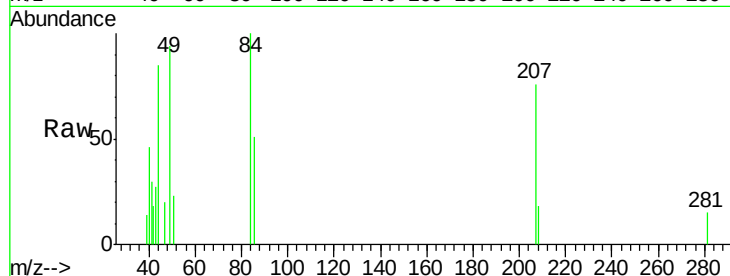




#20
Methylene Chloride
Concen: 0.25 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.00 min
Lab File: VX016671.D
Acq: 10 Jun 2020 13:53

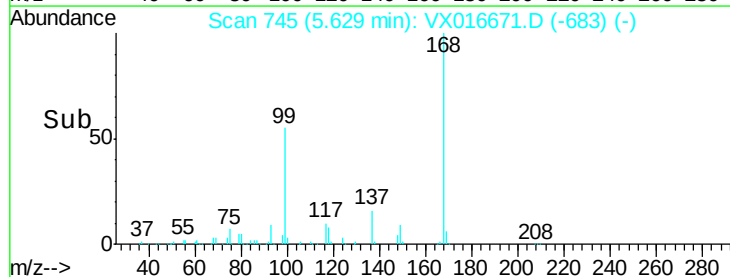
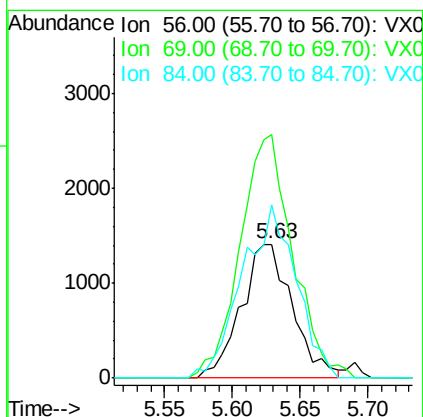
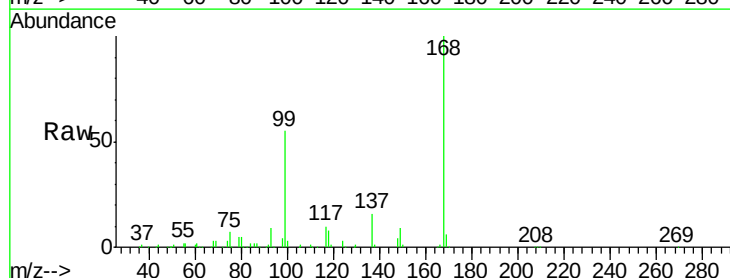
Instrument :
MSVOA_X
ClientSampleId :
SS003RW114R-200609

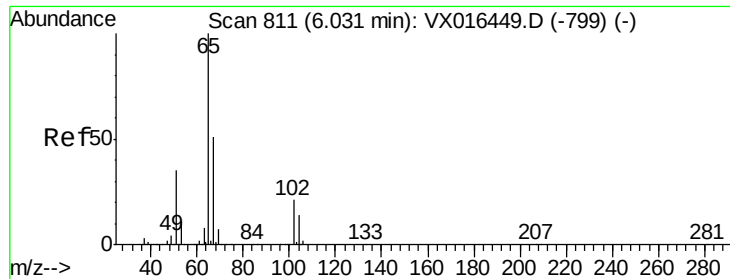
Tgt Ion: 84 Resp: 600
Ion Ratio Lower Upper
84 100
49 93.8 94.5 141.7#
51 22.5 30.2 45.4#
86 51.2 51.1 76.7



#31
Cyclohexane
Concen: 1.02 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX016671.D
Acq: 10 Jun 2020 13:53

Tgt Ion: 56 Resp: 3718
Ion Ratio Lower Upper
56 100
69 181.9 25.7 38.5#
84 129.2 70.0 105.0#

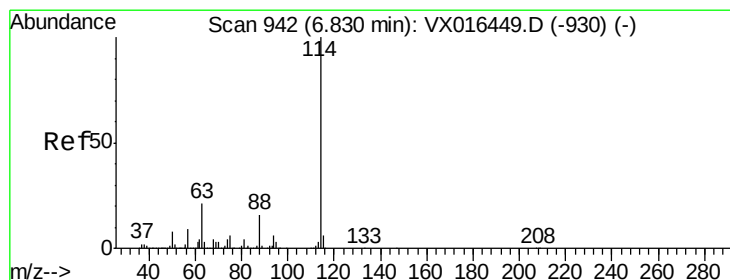
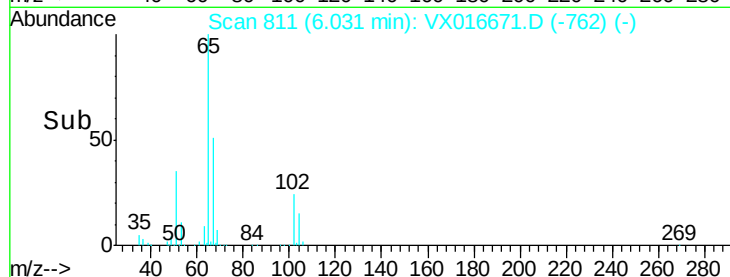
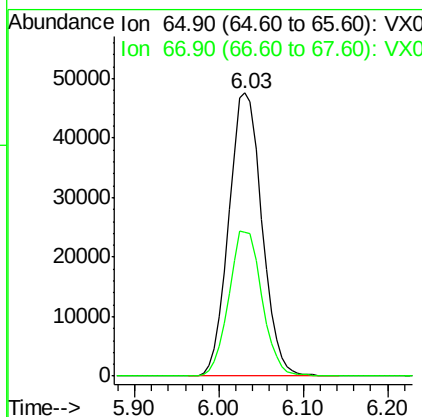
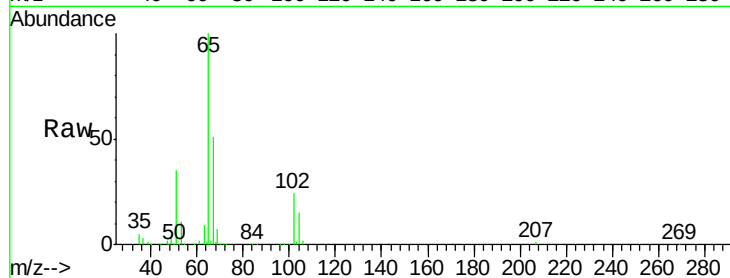




#33
 1,2-Dichloroethane-d4
 Concen: 48.67 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX016671.D
 Acq: 10 Jun 2020 13:53

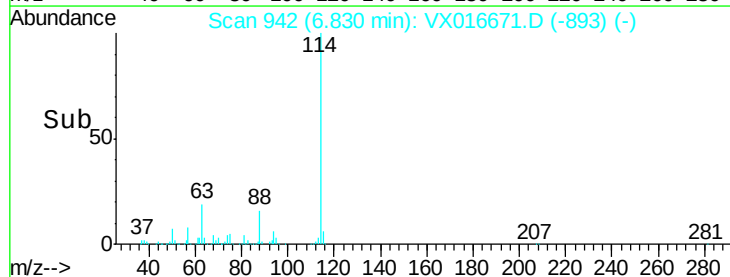
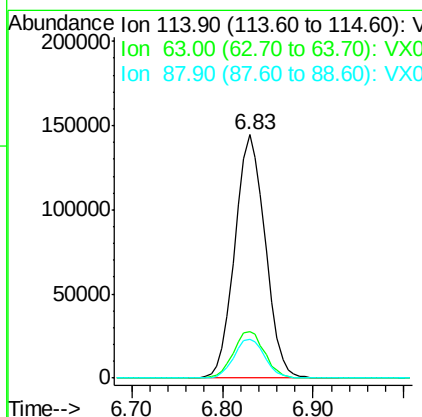
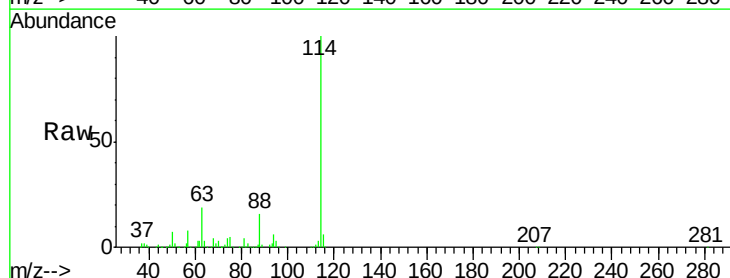
Instrument :
 MSVOA_X
 ClientSampleId :
 SS003RW114R-200609

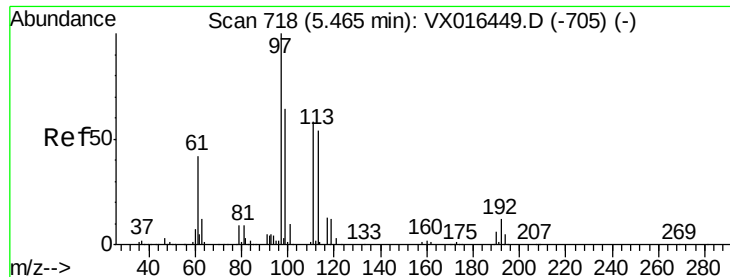
Tgt Ion: 65 Resp: 127133
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX016671.D
 Acq: 10 Jun 2020 13:53

Tgt Ion: 114 Resp: 335933
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 42.6
 88 15.9 0.0 32.8

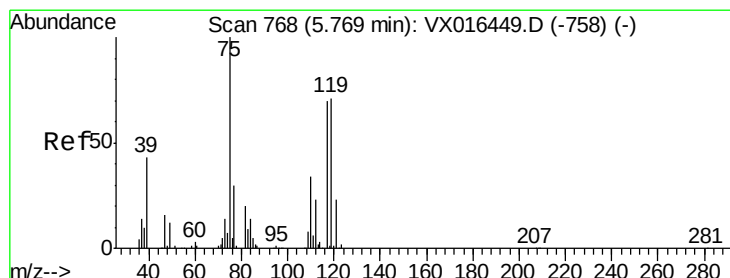
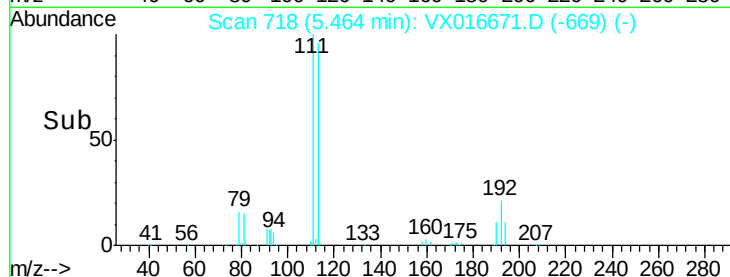
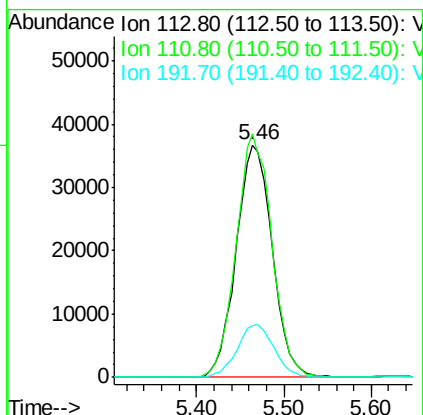
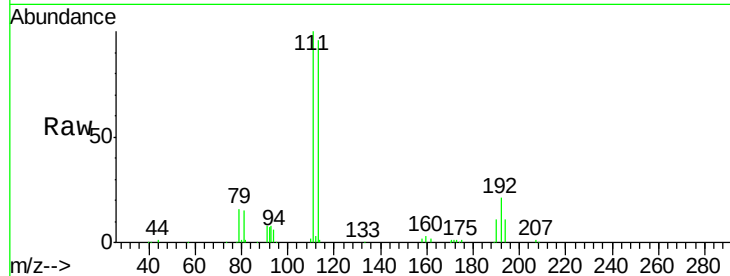




#35
 Dibromofluoromethane
 Concen: 50.92 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.00 min
 Lab File: VX016671.D
 Acq: 10 Jun 2020 13:53

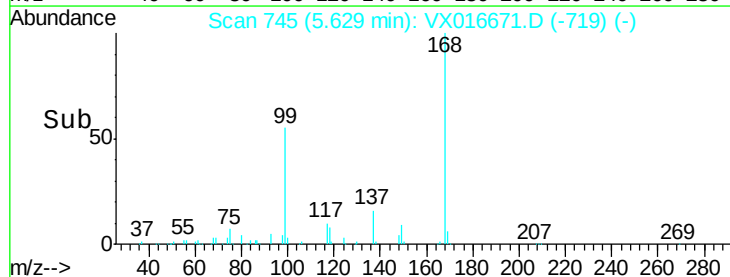
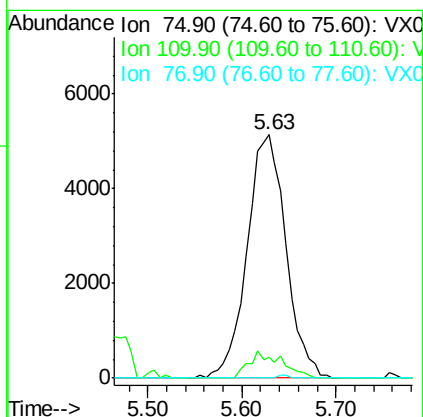
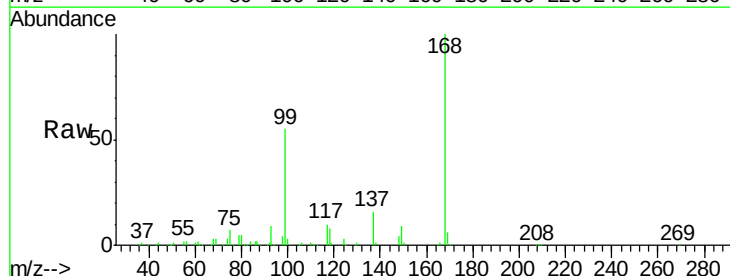
Instrument :
 MSVOA_X
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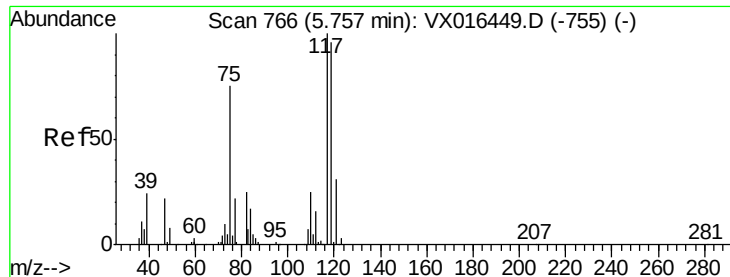
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.6	83.0	124.6
192	23.1	17.7	26.5



#36
 1,1-Dichloropropene
 Concen: 4.67 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX016671.D
 Acq: 10 Jun 2020 13:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.4	17.4	52.3#
77	0.0	24.2	36.4#





#38

Carbon Tetrachloride

Concen: 6.01 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016671.D

Acq: 10 Jun 2020 13:53

Instrument :

MSVOA_X

ClientSampleId :

SS003RW114R-200609

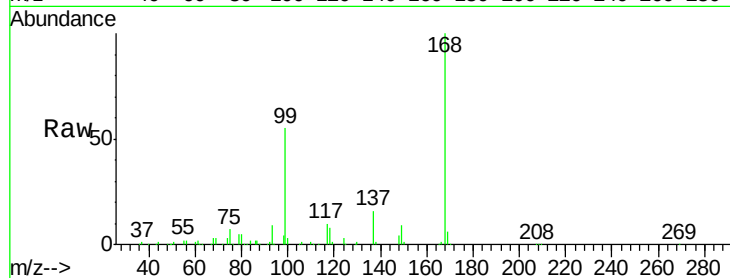
Tgt Ion:117 Resp: 20098

Ion Ratio Lower Upper

117 100

119 5.3 76.3 114.5#

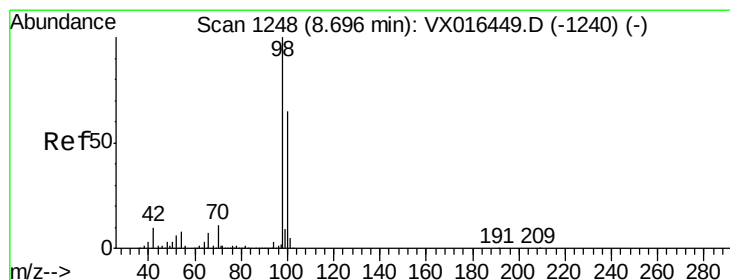
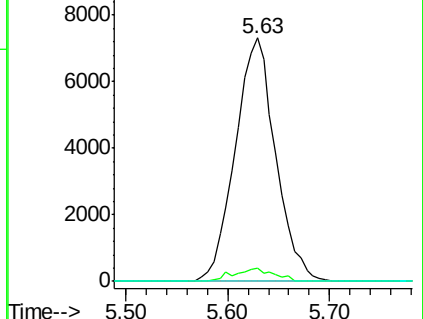
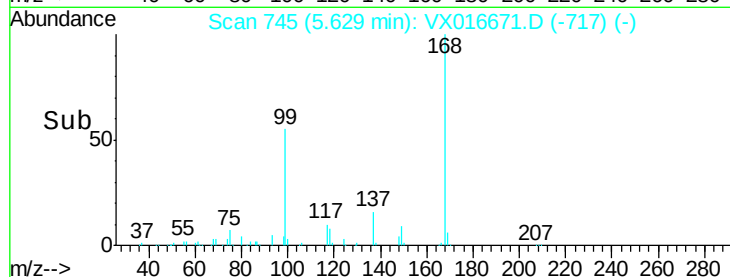
121 0.0 24.6 37.0#



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: 51.15 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016671.D

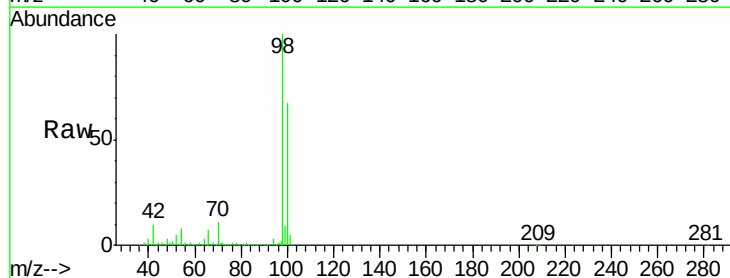
Acq: 10 Jun 2020 13:53

Tgt Ion: 98 Resp: 411770

Ion Ratio Lower Upper

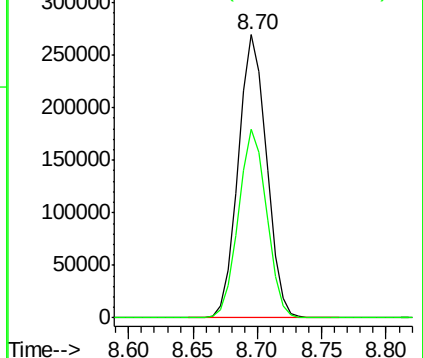
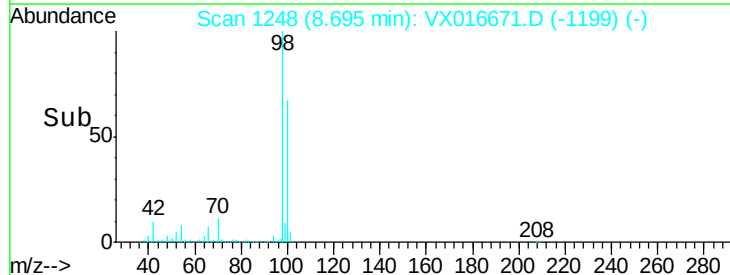
98 100

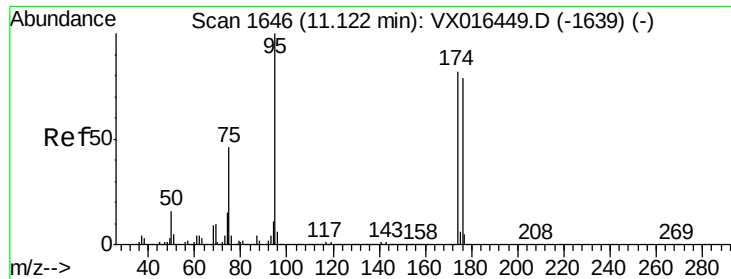
100 66.5 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 57.09 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016671.D

Acq: 10 Jun 2020 13:53

Instrument :

MSVOA_X

ClientSampleId :

SS003RW114R-200609

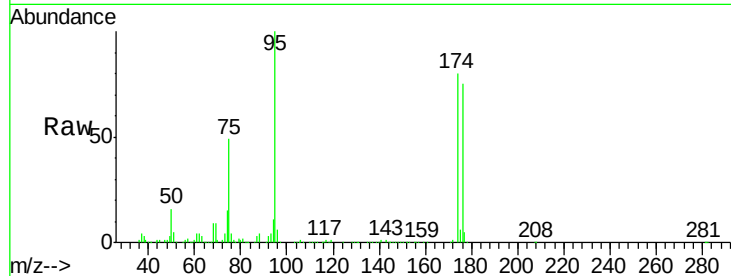
Tgt Ion: 95 Resp: 177611

Ion Ratio Lower Upper

95 100

174 84.1 0.0 163.0

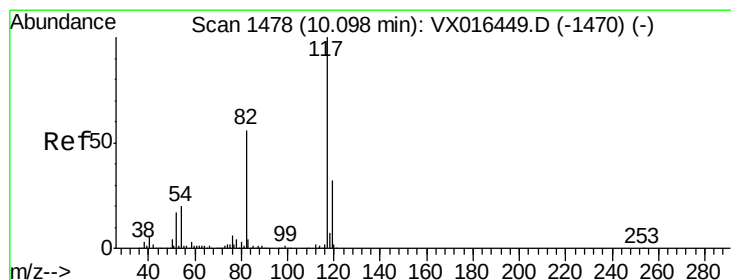
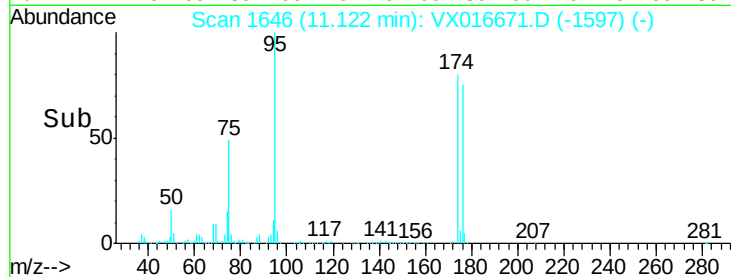
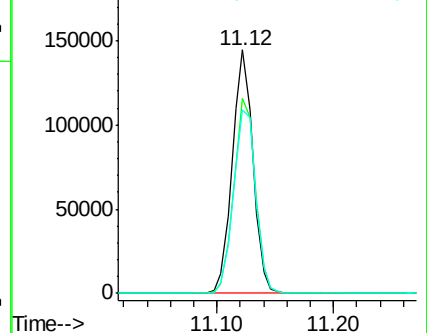
176 81.9 0.0 156.8



Abundance Ion 94.90 (94.60 to 95.60): VX016671.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX016671.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX016671.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016671.D

Acq: 10 Jun 2020 13:53

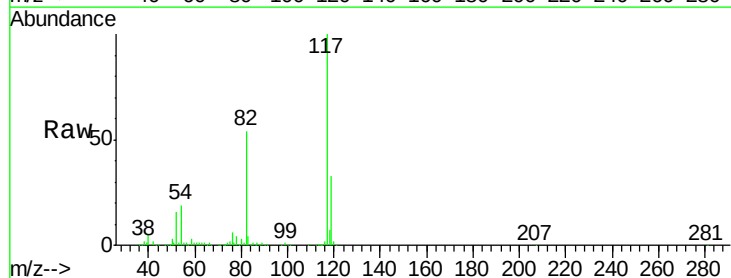
Tgt Ion: 117 Resp: 343138

Ion Ratio Lower Upper

117 100

82 54.3 45.0 67.6

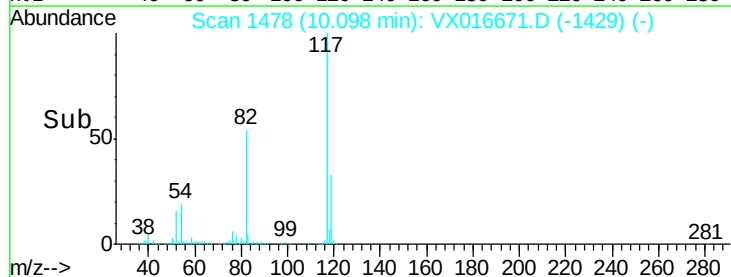
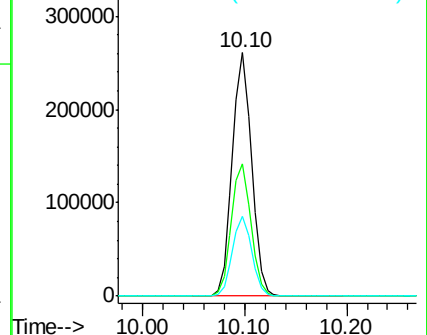
119 32.7 25.8 38.8

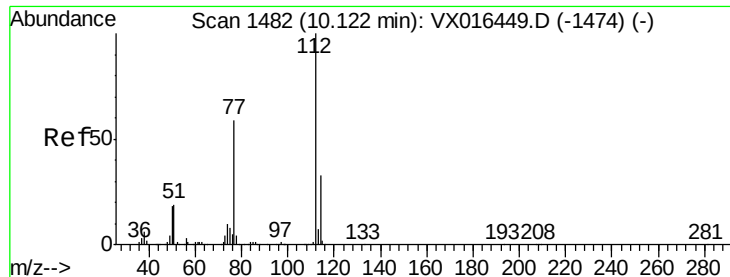


Abundance Ion 116.90 (116.60 to 117.60): VX016671.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX016671.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX016671.D (-1429) (-)

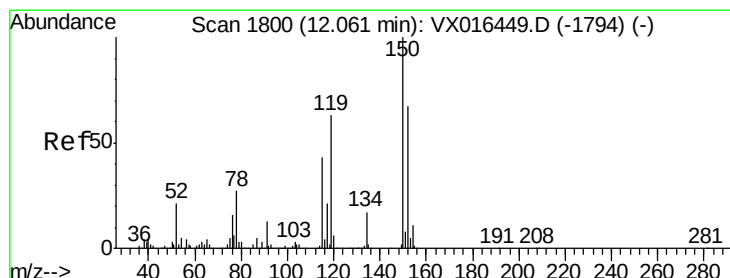
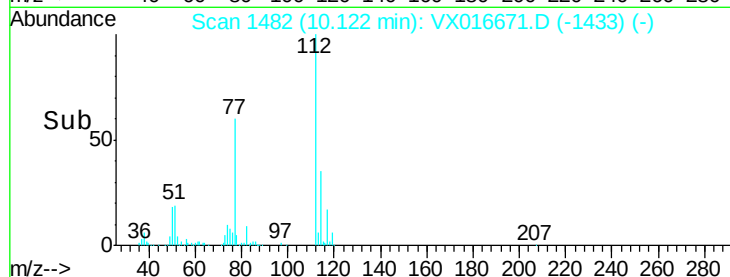
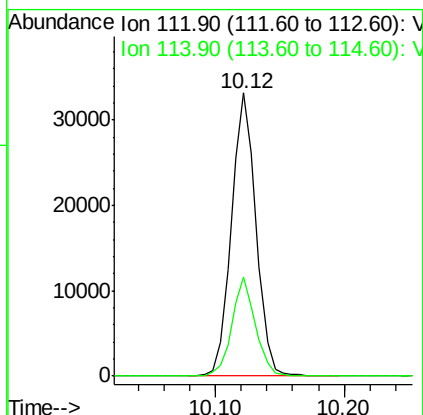
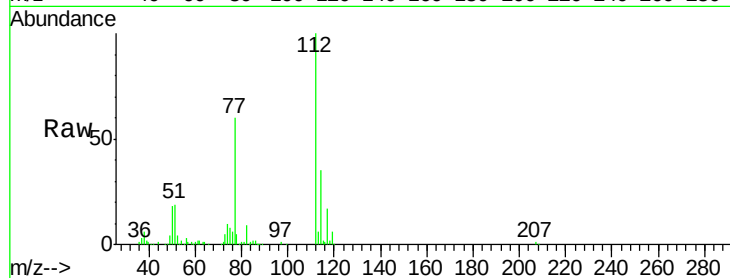




#65
Chlorobenzene
Concen: 6.31 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX016671.D
Acq: 10 Jun 2020 13:53

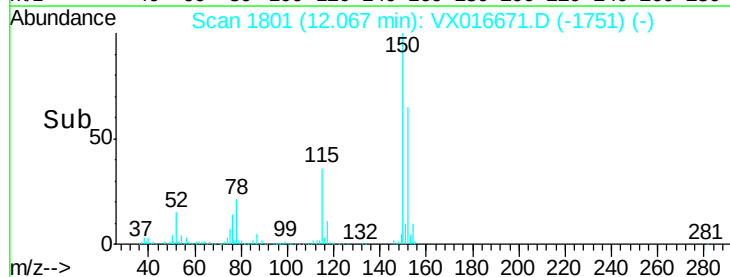
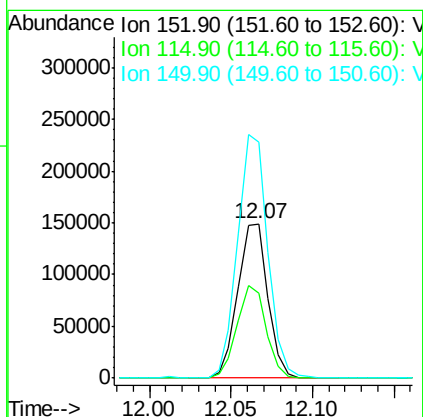
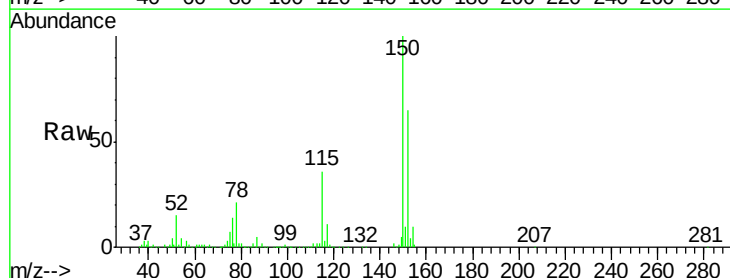
Instrument :
MSVOA_X
ClientSampleId :
SS003RW114R-200609

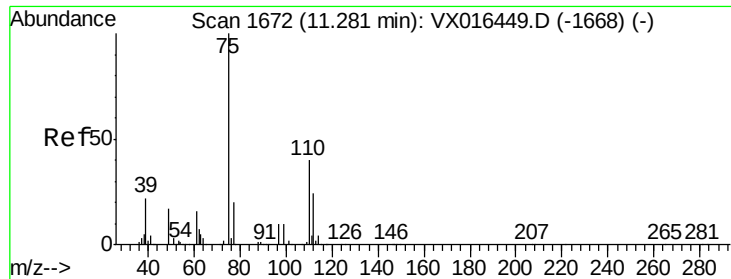
Tgt Ion:112 Resp: 44174
Ion Ratio Lower Upper
112 100
114 35.1 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.07 min Scan# 1801
Delta R.T. 0.01 min
Lab File: VX016671.D
Acq: 10 Jun 2020 13:53

Tgt Ion:152 Resp: 192108
Ion Ratio Lower Upper
152 100
115 57.8 39.9 119.6
150 158.5 0.0 341.0





#76

1,2,3-Trichloropropane

Concen: 20.36 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016671.D

Acq: 10 Jun 2020 13:53

Instrument :

MSVOA_X

ClientSampleId :

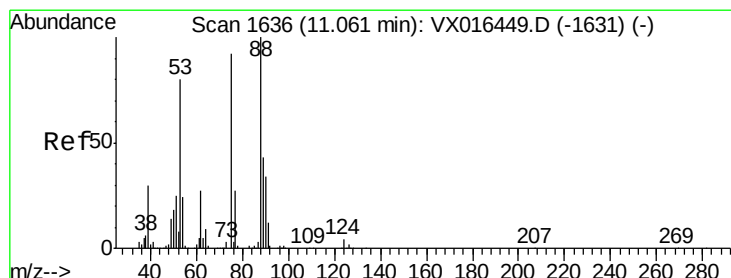
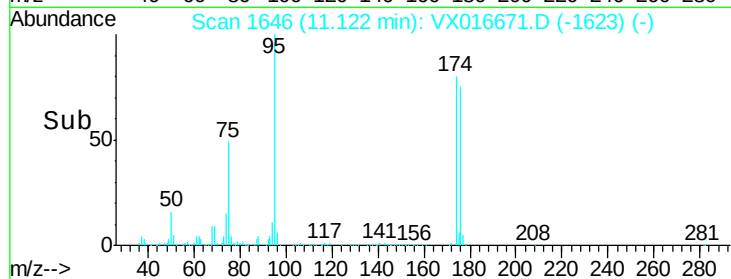
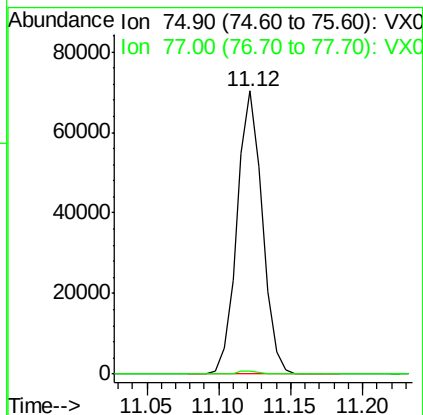
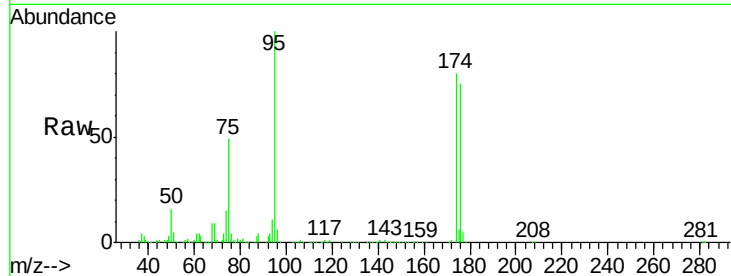
SS003RW114R-200609

Tgt Ion: 75 Resp: 85978

Ion Ratio Lower Upper

75 100

77 1.1 21.3 63.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 50.09 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016671.D

Acq: 10 Jun 2020 13:53

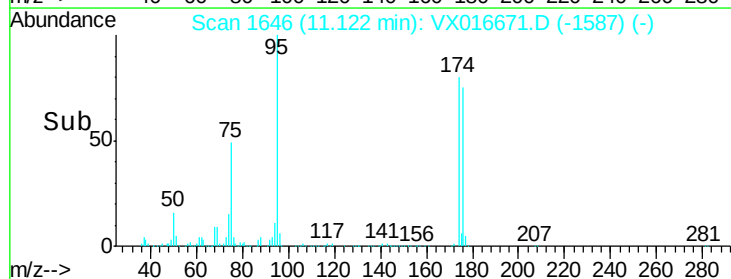
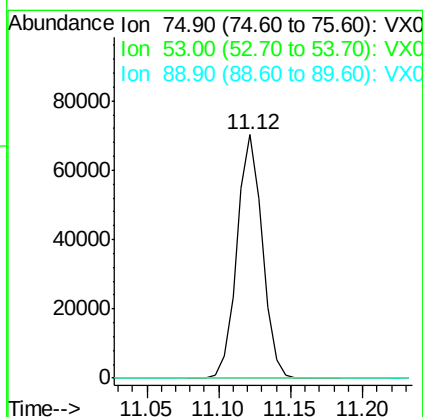
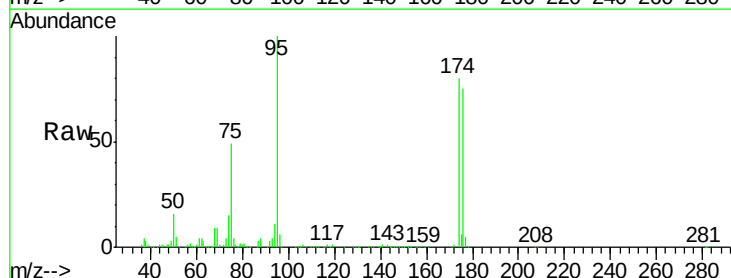
Tgt Ion: 75 Resp: 85978

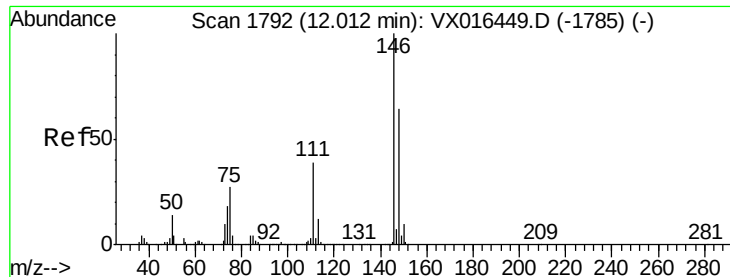
Ion Ratio Lower Upper

75 100

53 0.1 71.3 106.9#

89 0.0 36.6 55.0#

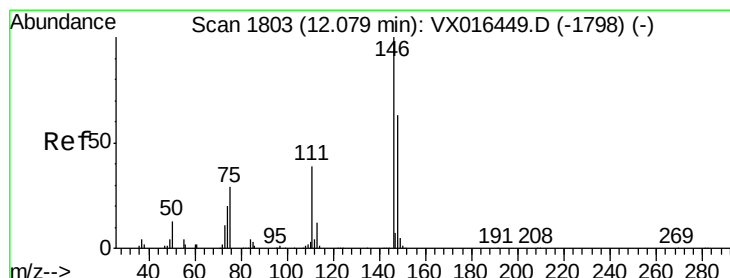
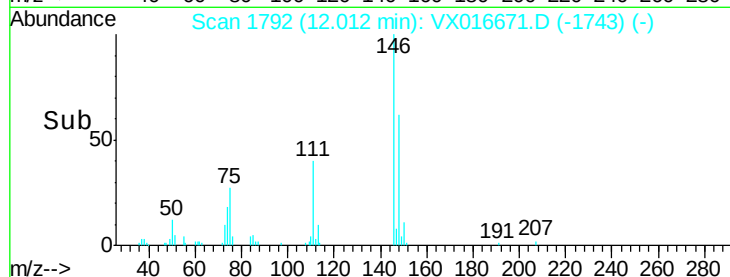
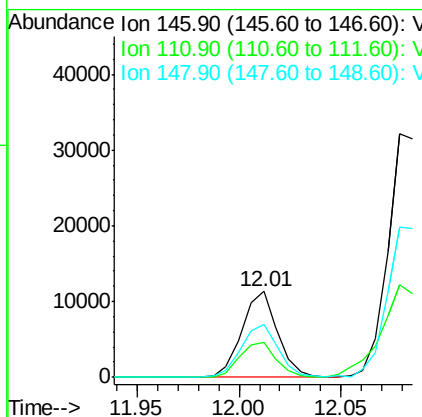
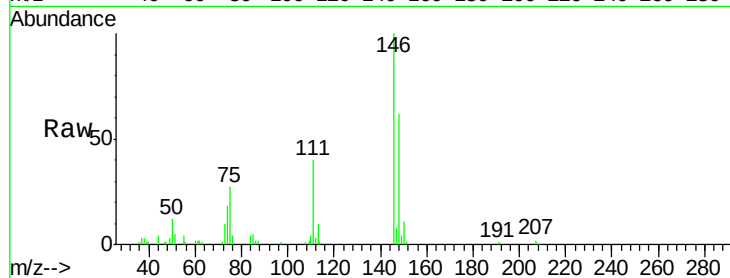




#87
 1,3-Dichlorobenzene
 Concen: 2.28 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX016671.D
 Acq: 10 Jun 2020 13:53

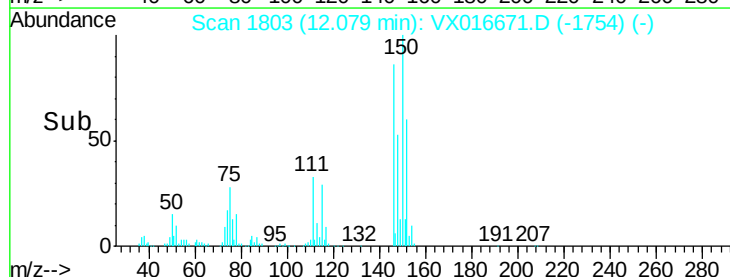
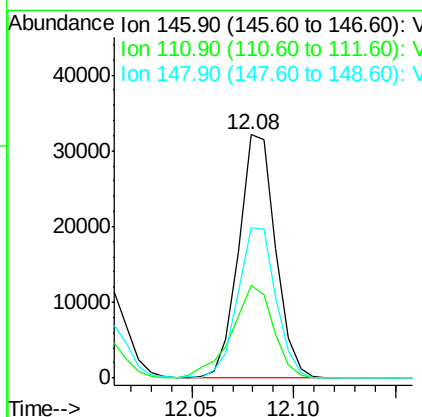
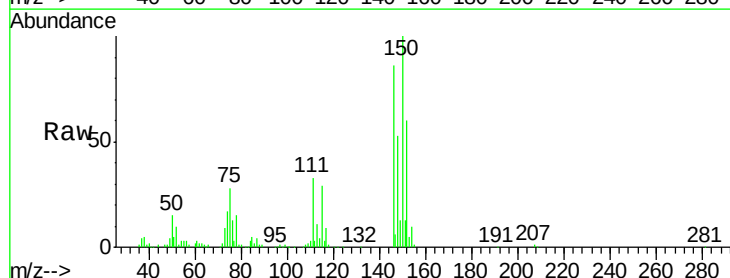
Instrument :
 MSVOA_X
 ClientSampleId :
 SS003RW114R-200609

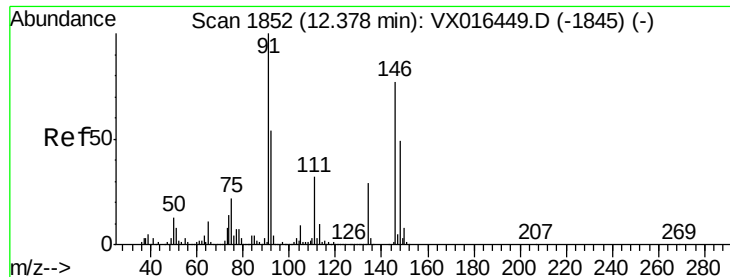
Tgt Ion:146 Resp: 13771
 Ion Ratio Lower Upper
 146 100
 111 41.8 20.0 60.0
 148 63.7 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 6.52 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VX016671.D
 Acq: 10 Jun 2020 13:53

Tgt Ion:146 Resp: 40346
 Ion Ratio Lower Upper
 146 100
 111 43.3 19.4 58.2
 148 63.8 31.4 94.3





#91

1,2-Dichlorobenzene

Concen: 34.01 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VX016671.D

Acq: 10 Jun 2020 13:53

Instrument :

MSVOA_X

ClientSampleId :

SS003RW114R-200609

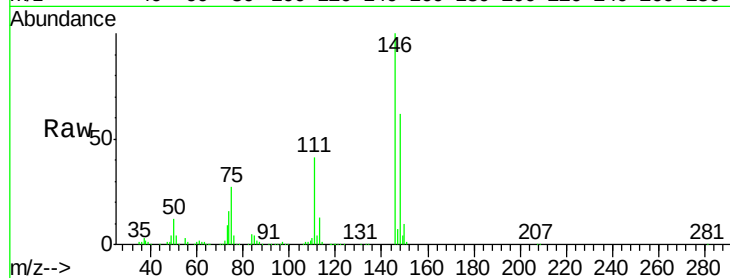
Tgt Ion:146 Resp: 199315

Ion Ratio Lower Upper

146 100

111 42.1 21.4 64.3

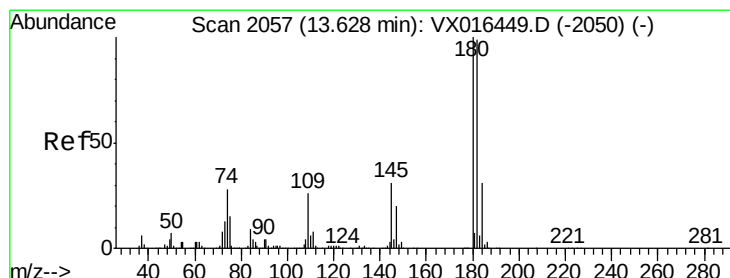
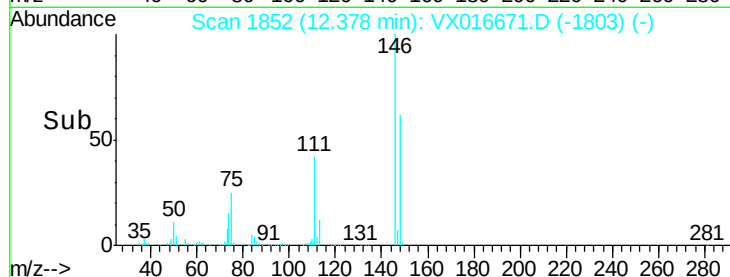
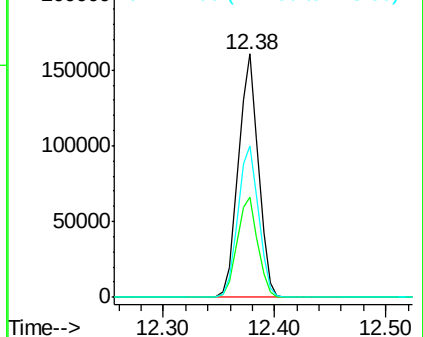
148 64.2 31.9 95.7



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



#93

1,2,4-Trichlorobenzene

Concen: 0.37 ug/l

RT: 13.63 min Scan# 2057

Delta R.T. -0.00 min

Lab File: VX016671.D

Acq: 10 Jun 2020 13:53

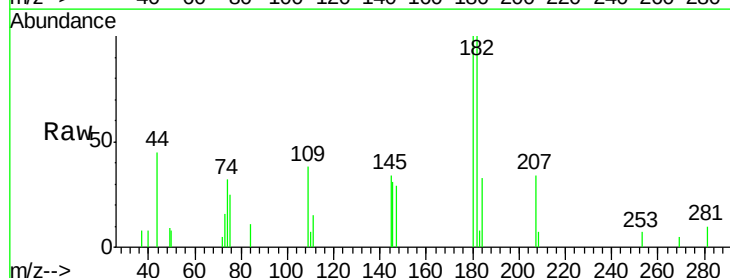
Tgt Ion:180 Resp: 1445

Ion Ratio Lower Upper

180 100

182 100.3 48.3 144.8

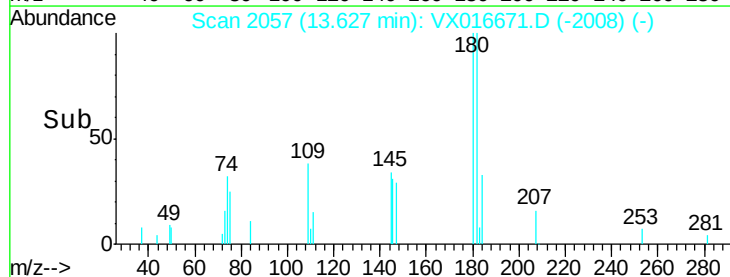
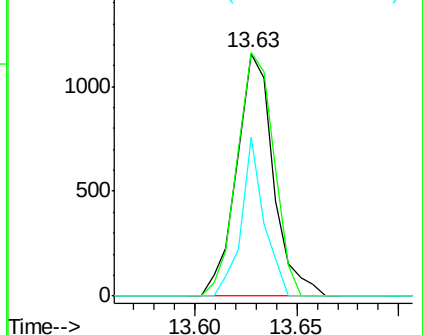
145 40.3 15.4 46.2

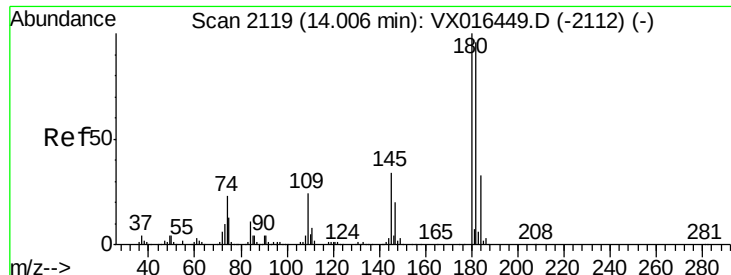


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

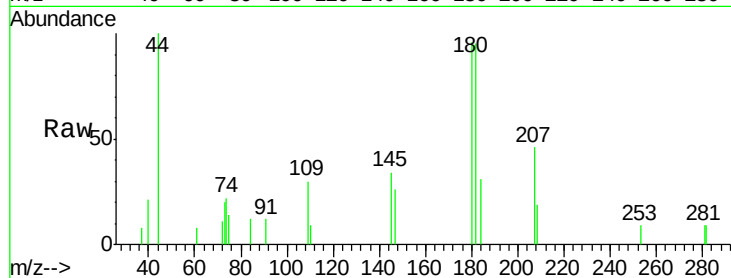




#96
 1,2,3-Trichlorobenzene
 Concen: 0.21 ug/l
 RT: 14.00 min Scan# 2118
 Delta R.T. -0.01 min
 Lab File: VX016671.D
 Acq: 10 Jun 2020 13:53

Instrument :
 MSVOA_X
 ClientSampleId :
 SS003RW114R-200609

Tgt Ion	Ratio	Lower	Upper
180	100		
182	103.8	48.6	145.8
145	37.2	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

