

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX051420\
 Data File : VX016236.D
 Acq On : 14 May 2020 17:09
 Operator : JC/SP
 Sample : L2643-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS004MW153-200513

Quant Time: May 15 01:34:30 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	237685	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	396039	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	396454	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	197555	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	147025	47.01	ug/l	0.00
Spiked Amount			Recovery	=	94.02%	
35) Dibromofluoromethane	5.47	113	116563	46.46	ug/l	0.00
Spiked Amount			Recovery	=	92.92%	
50) Toluene-d8	8.70	98	492630	50.96	ug/l	0.00
Spiked Amount			Recovery	=	101.92%	
62) 4-Bromofluorobenzene	11.12	95	196061	53.32	ug/l	0.00
Spiked Amount			Recovery	=	106.64%	

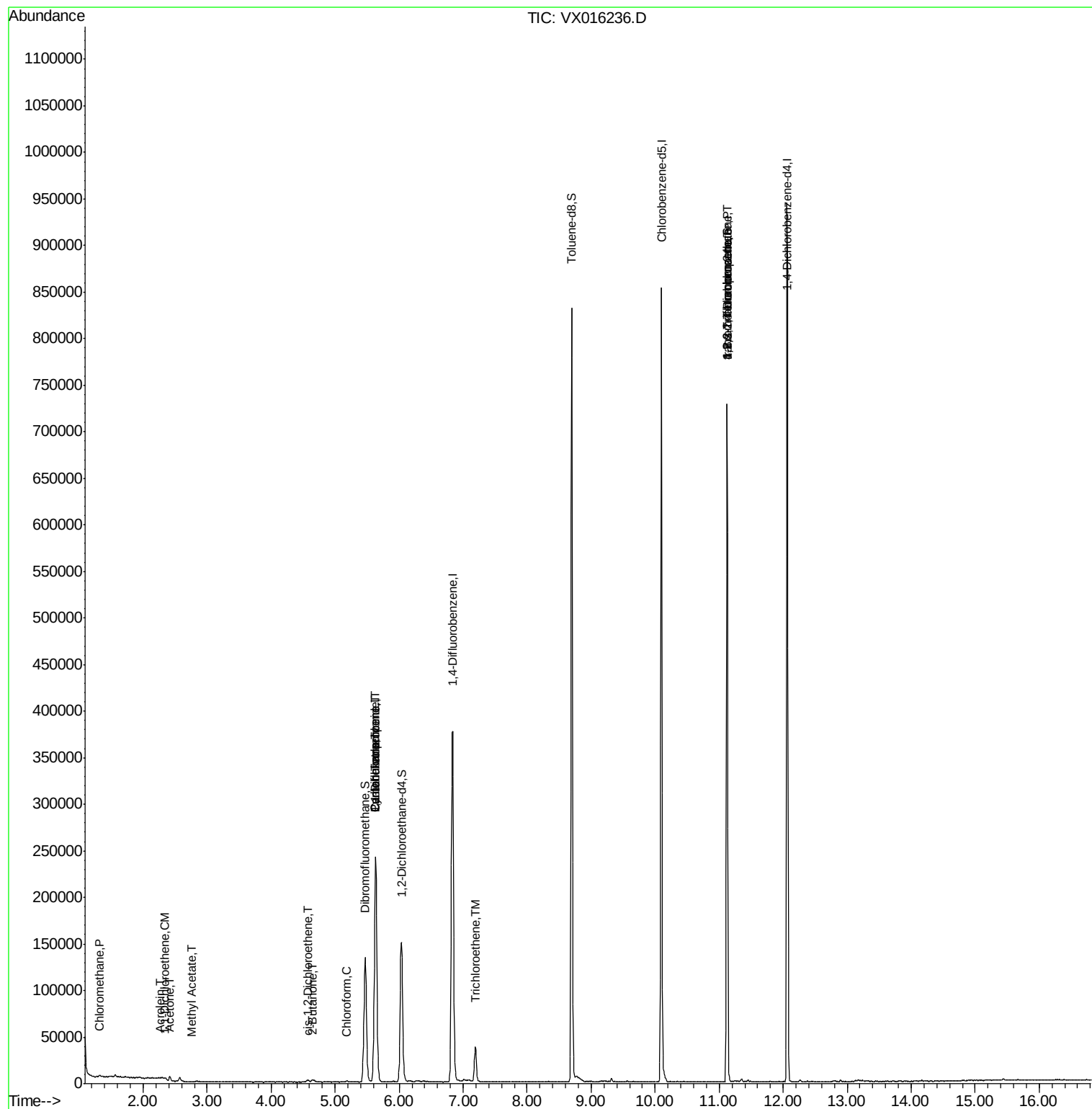
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1013	0.35	ug/l	97
12) 1,1-Dichloroethene	2.35	96	674	0.27	ug/l #	55
13) Acrolein	2.27	56	316	0.64	ug/l #	73
16) Acetone	2.42	43	5127	3.67	ug/l	95
18) Methyl Acetate	2.76	43	728	0.21	ug/l #	50
25) 2-Butanone	4.64	43	624	0.28	ug/l #	48
27) cis-1,2-Dichloroethene	4.56	96	1586	0.53	ug/l	47
30) Chloroform	5.18	83	1509	0.32	ug/l #	77
31) Cyclohexane	5.63	56	4492	1.03	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	17289	4.43	ug/l #	49
38) Carbon Tetrachloride	5.63	117	22837	5.76	ug/l #	14
44) Trichloroethene	7.19	130	14246	3.52	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.12	83	126	2.10	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	95148	21.22	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	95148	50.58	ug/l #	13

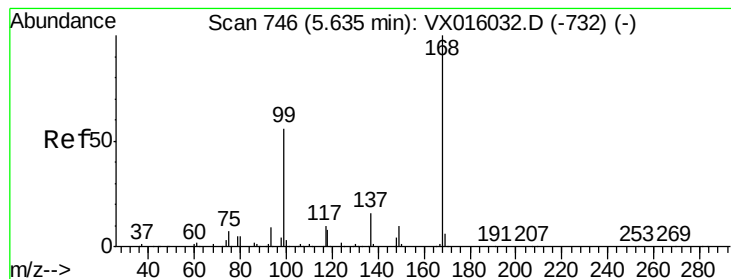
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX016236.D

Acq: 14 May 2020 17:09

Instrument :

MSVOA_X

ClientSampleId :

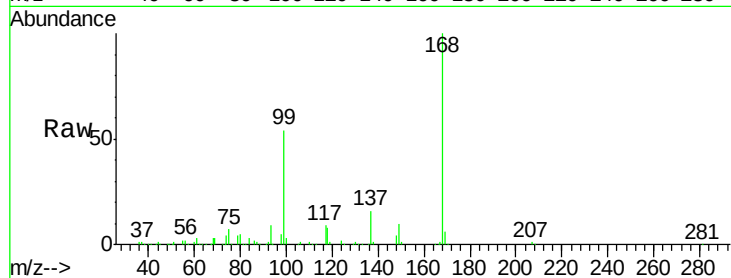
SS004MW153-200513

Tgt Ion: 168 Resp: 237685

Ion Ratio Lower Upper

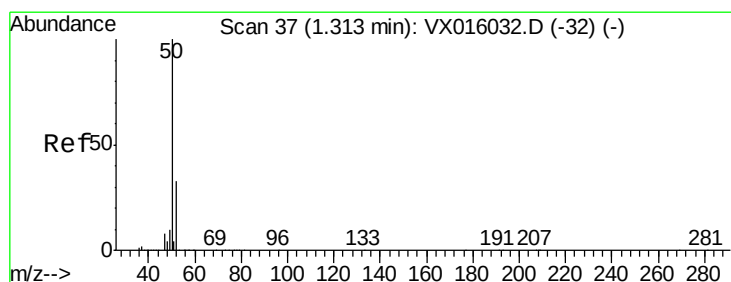
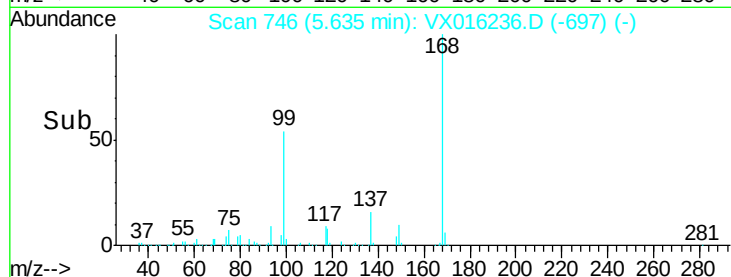
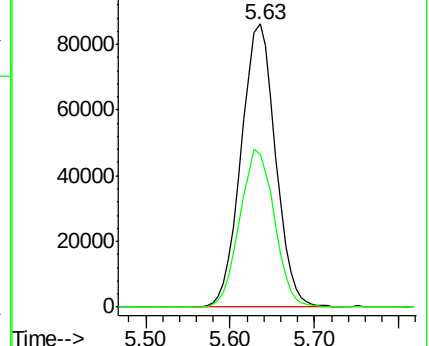
168 100

99 54.2 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.35 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016236.D

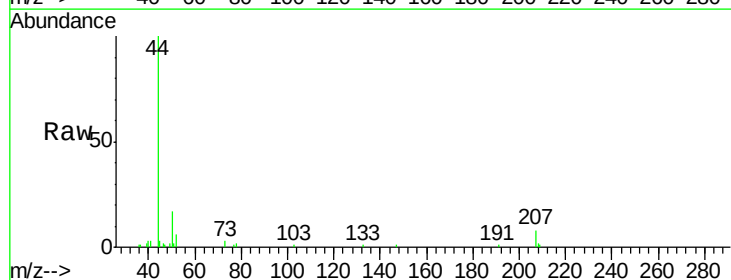
Acq: 14 May 2020 17:09

Tgt Ion: 50 Resp: 1013

Ion Ratio Lower Upper

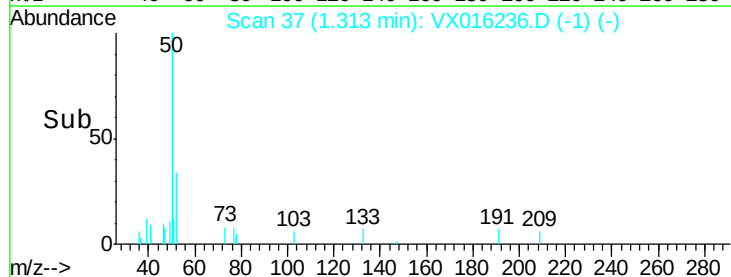
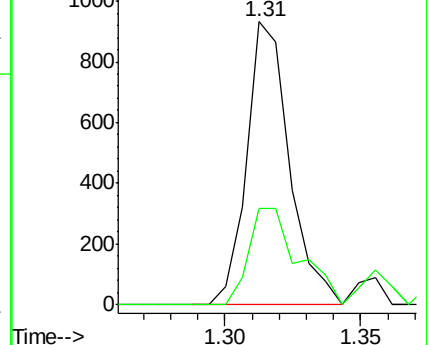
50 100

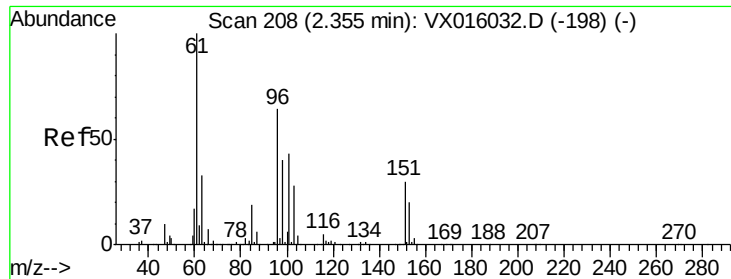
52 34.1 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#12

1,1-Dichloroethene

Concen: 0.27 ug/l

RT: 2.35 min Scan# 207

Delta R.T. -0.01 min

Lab File: VX016236.D

Acq: 14 May 2020 17:09

Instrument :

MSVOA_X

ClientSampleId :

SS004MW153-200513

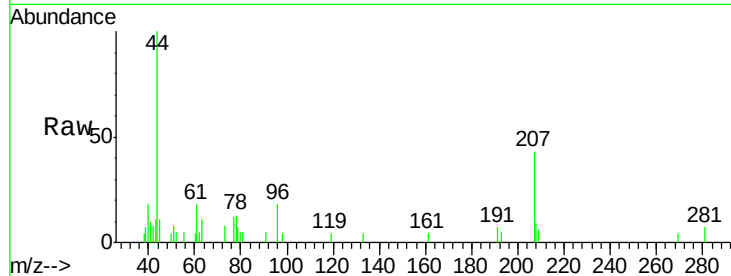
Tgt Ion: 96 Resp: 674

Ion Ratio Lower Upper

96 100

61 100.0 124.8 187.2#

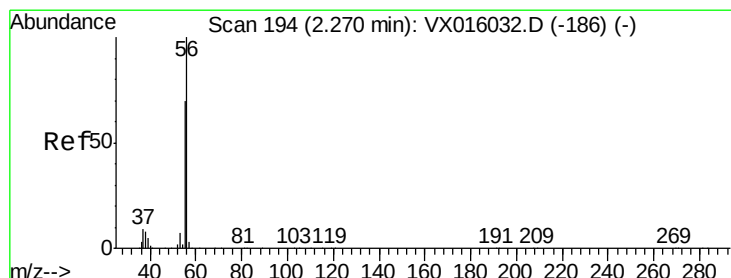
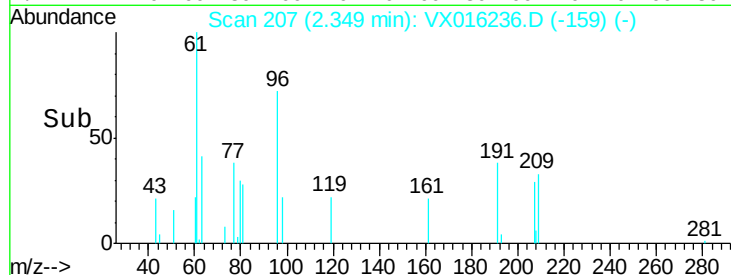
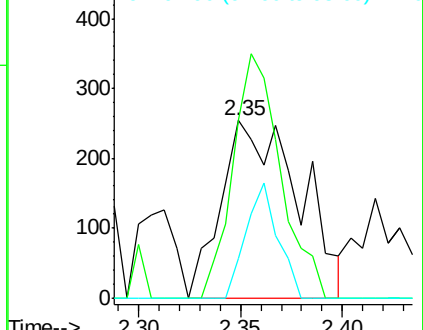
98 22.4 49.7 74.5#



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: 0.64 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016236.D

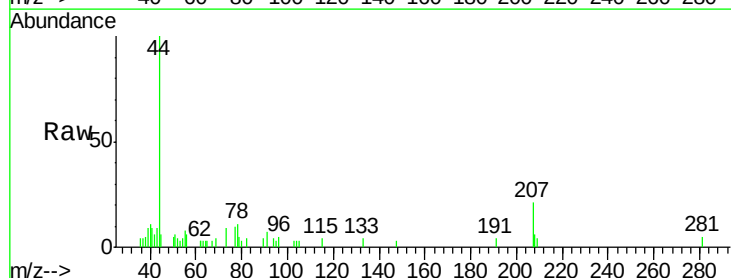
Acq: 14 May 2020 17:09

Tgt Ion: 56 Resp: 316

Ion Ratio Lower Upper

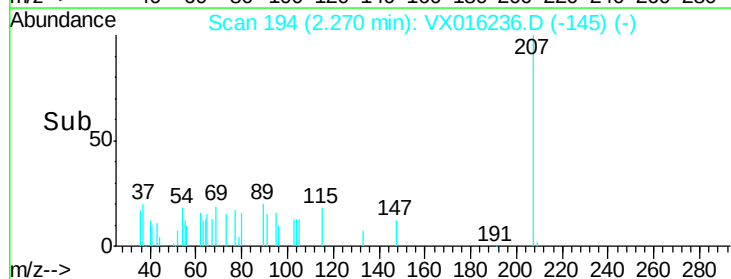
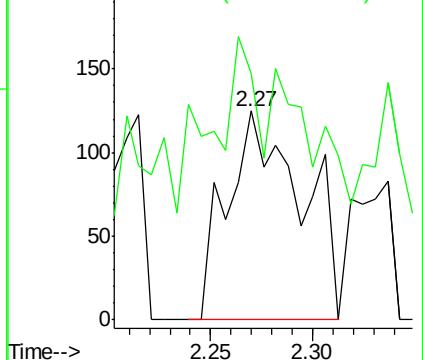
56 100

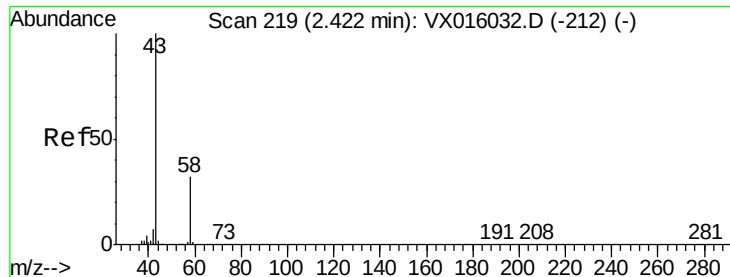
55 48.4 56.5 84.7#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 3.67 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016236.D

Acq: 14 May 2020 17:09

Instrument :

MSVOA_X

ClientSampleId :

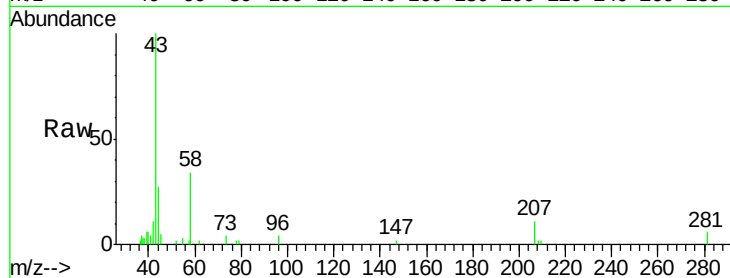
SS004MW153-200513

Tgt Ion: 43 Resp: 5127

Ion Ratio Lower Upper

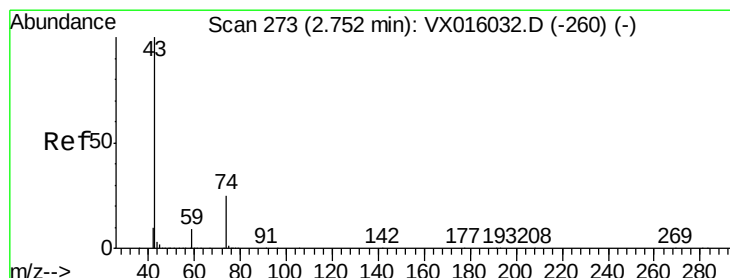
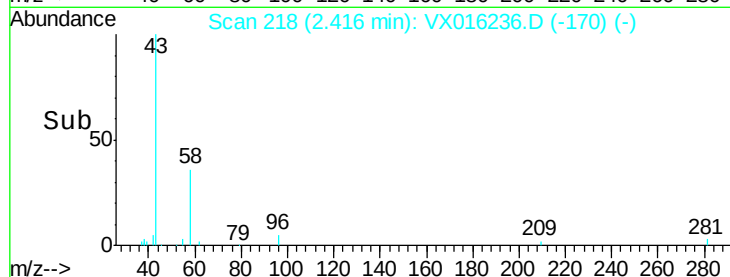
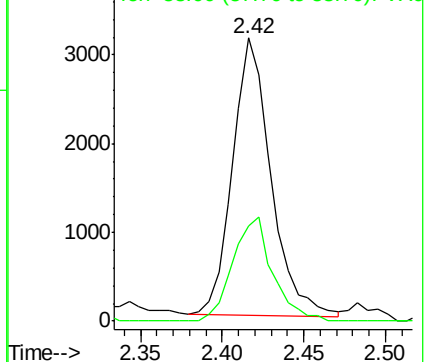
43 100

58 34.5 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 0.21 ug/l

RT: 2.76 min Scan# 274

Delta R.T. 0.01 min

Lab File: VX016236.D

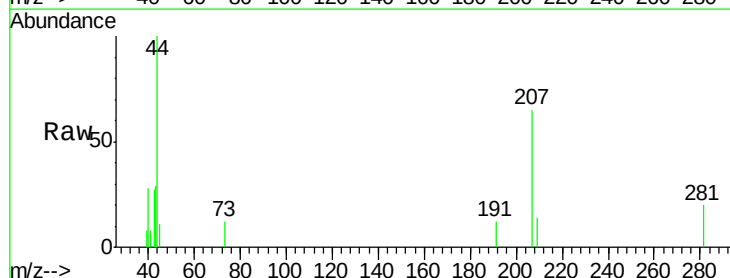
Acq: 14 May 2020 17:09

Tgt Ion: 43 Resp: 728

Ion Ratio Lower Upper

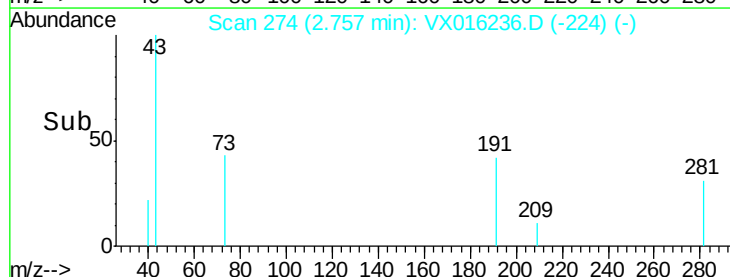
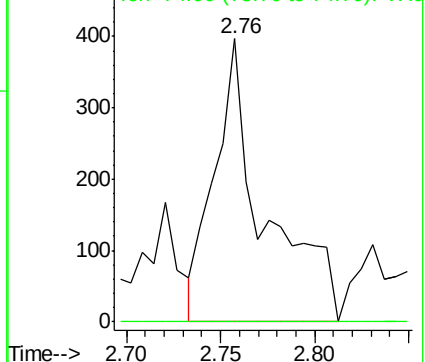
43 100

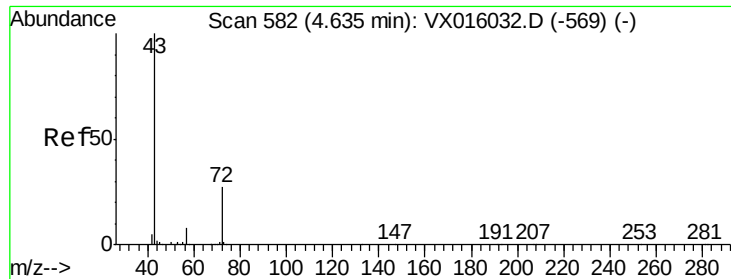
74 0.0 20.2 30.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#25

2-Butanone

Concen: 0.28 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX016236.D

Acq: 14 May 2020 17:09

Instrument :

MSVOA_X

ClientSampleId :

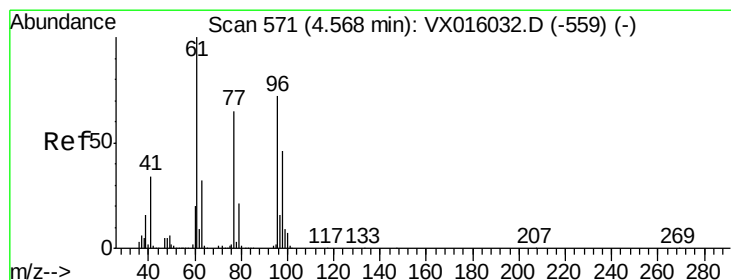
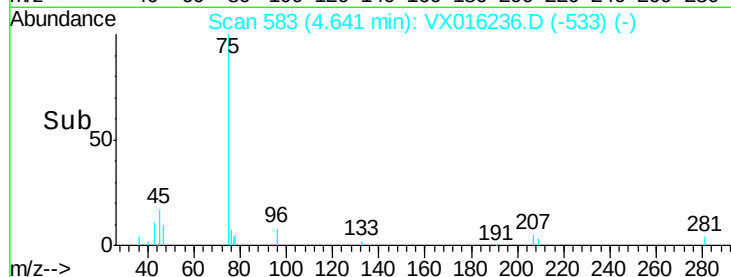
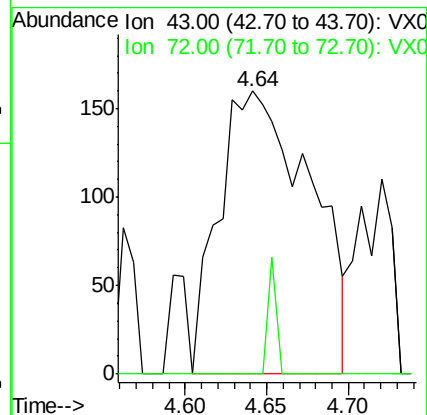
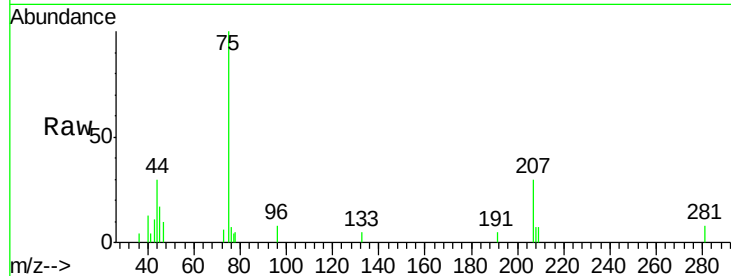
SS004MW153-200513

Tgt Ion: 43 Resp: 624

Ion Ratio Lower Upper

43 100

72 0.0 21.8 32.8#



#27

cis-1,2-Dichloroethene

Concen: 0.53 ug/l

RT: 4.56 min Scan# 570

Delta R.T. -0.01 min

Lab File: VX016236.D

Acq: 14 May 2020 17:09

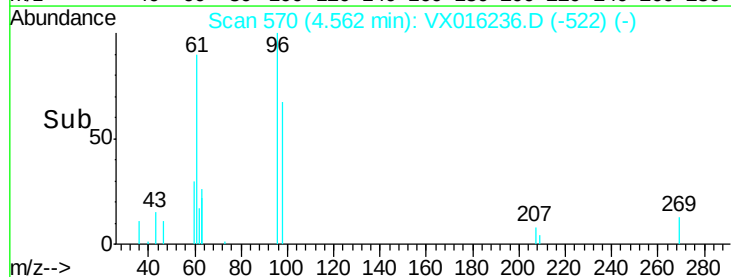
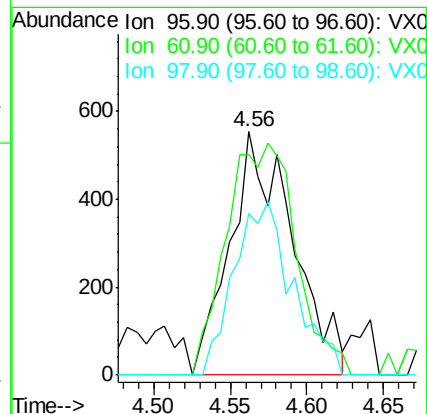
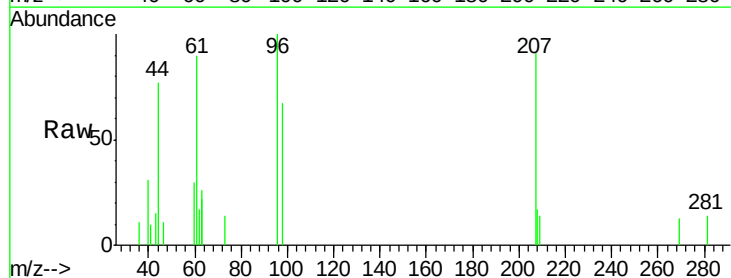
Tgt Ion: 96 Resp: 1586

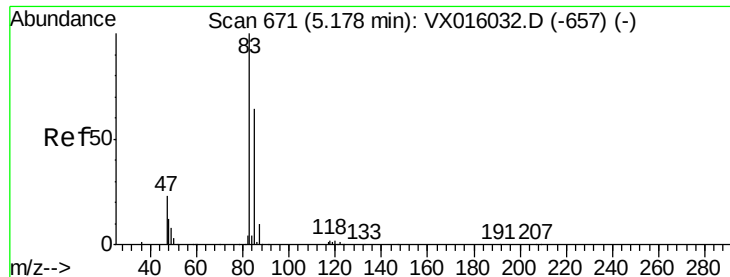
Ion Ratio Lower Upper

96 100

61 53.8 0.0 296.2

98 66.4 0.0 129.4

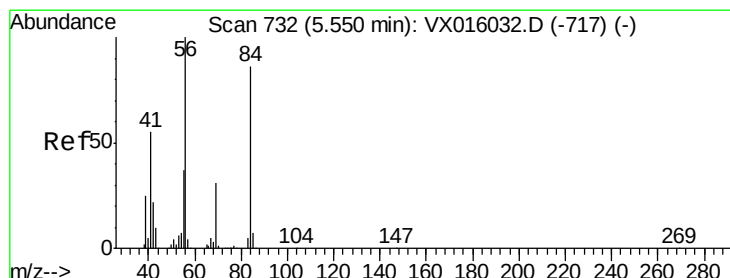
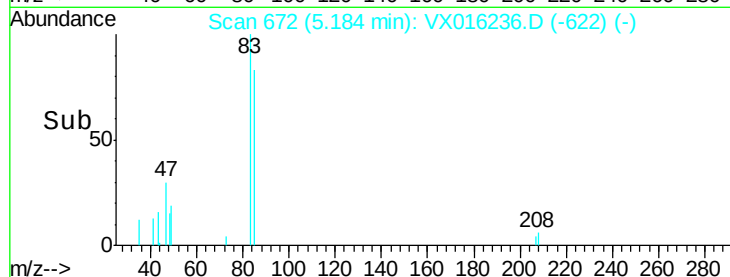
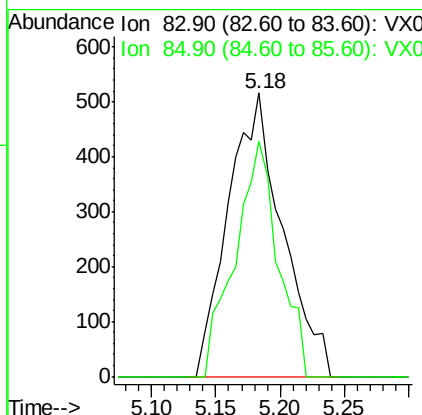
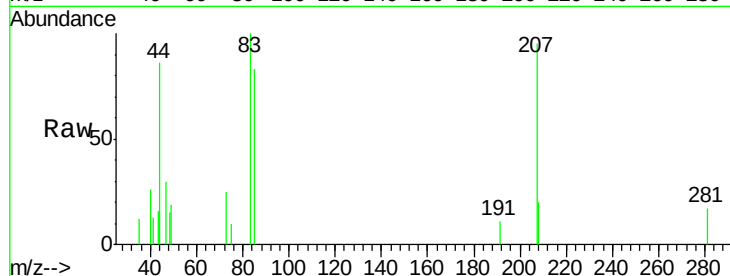




#30
Chloroform
Concen: 0.32 ug/l
RT: 5.18 min Scan# 672
Delta R.T. 0.01 min
Lab File: VX016236.D
Acq: 14 May 2020 17:09

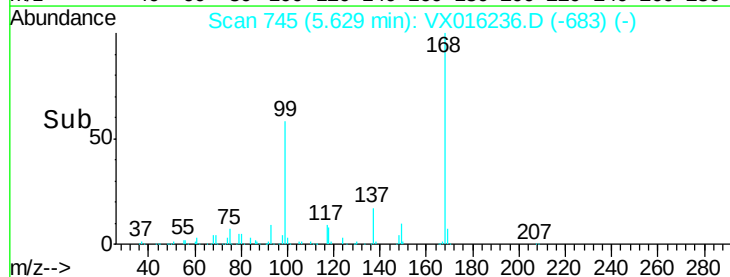
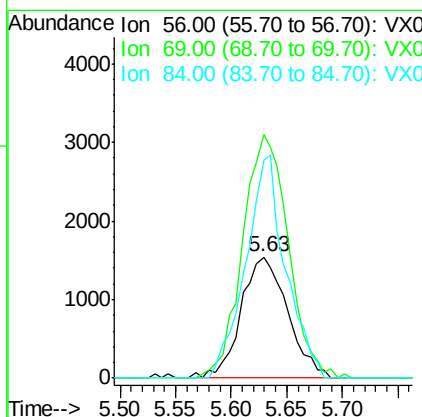
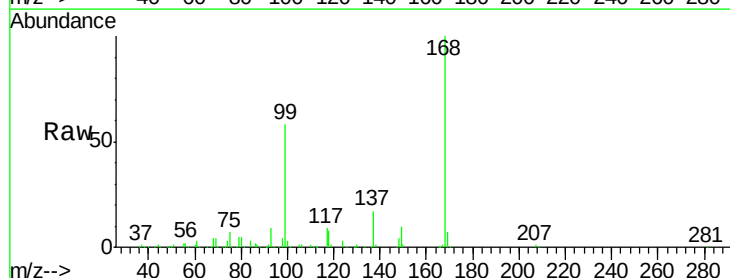
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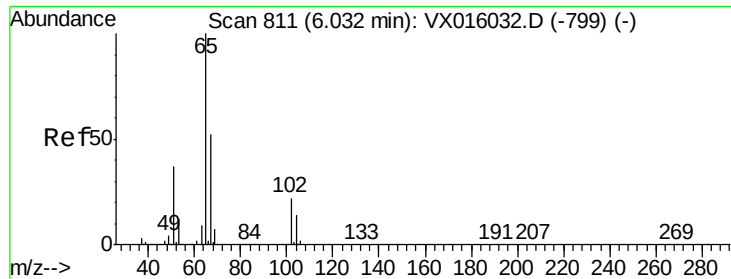
Tgt Ion: 83 Resp: 1509
Ion Ratio Lower Upper
83 100
85 82.9 51.6 77.4#



#31
Cyclohexane
Concen: 1.03 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX016236.D
Acq: 14 May 2020 17:09

Tgt Ion: 56 Resp: 4492
Ion Ratio Lower Upper
56 100
69 201.1 25.0 37.6#
84 180.5 69.0 103.6#

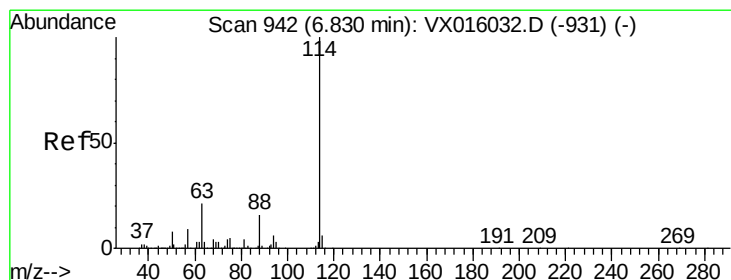
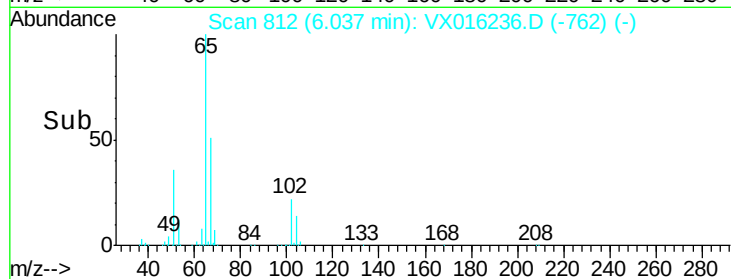
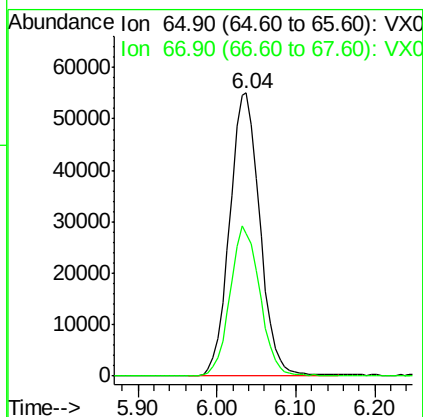
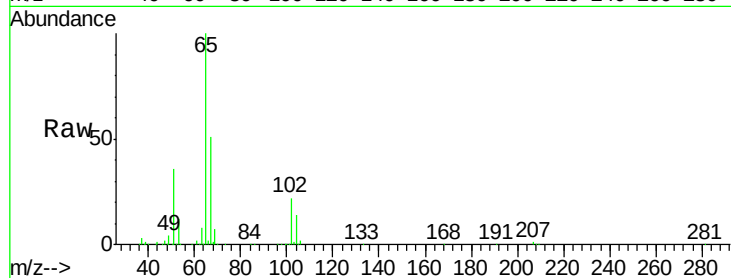




#33
 1,2-Dichloroethane-d4
 Concen: 47.01 ug/l
 RT: 6.04 min Scan# 812
 Delta R.T. 0.01 min
 Lab File: VX016236.D
 Acq: 14 May 2020 17:09

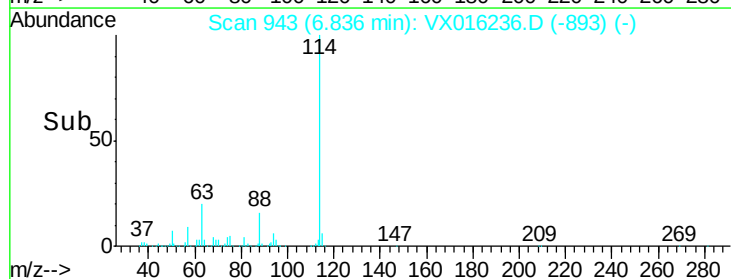
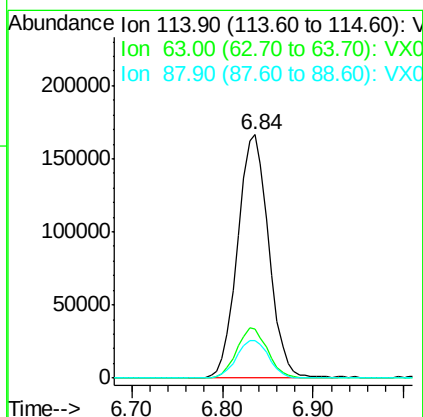
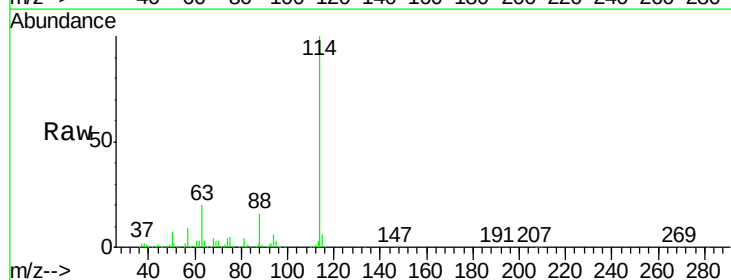
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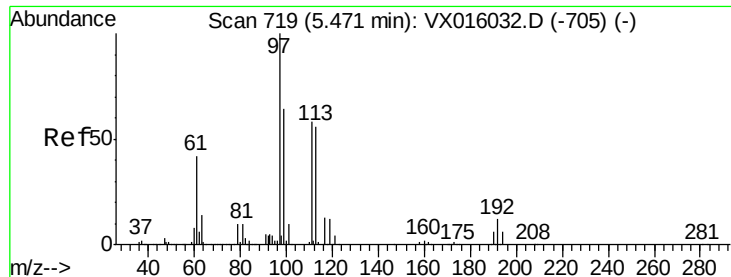
Tgt Ion: 65 Resp: 147025
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. 0.01 min
 Lab File: VX016236.D
 Acq: 14 May 2020 17:09

Tgt Ion: 114 Resp: 396039
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 42.8
 88 15.6 0.0 31.4

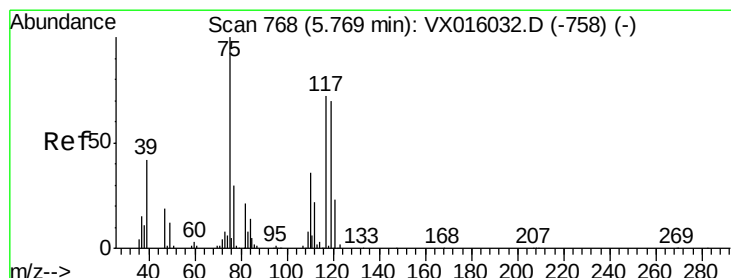
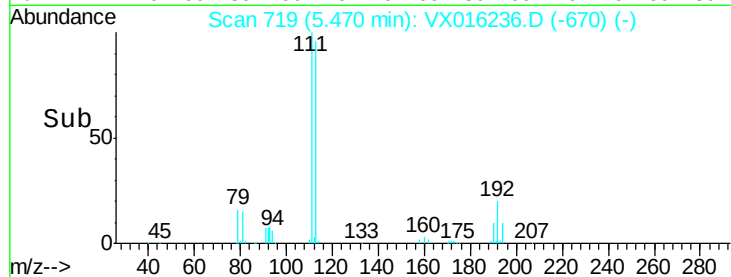
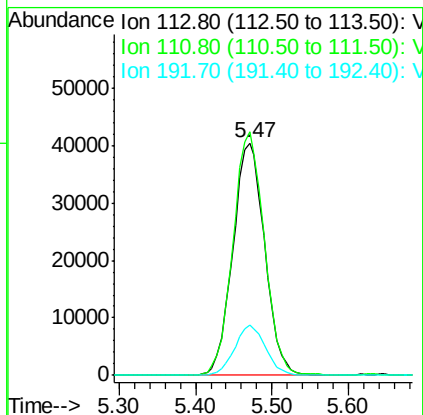
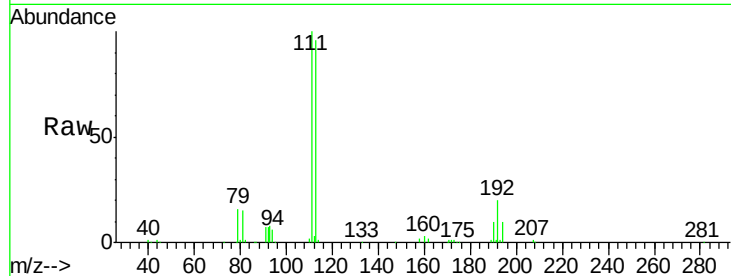




#35
 Dibromofluoromethane
 Concen: 46.46 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: VX016236.D
 Acq: 14 May 2020 17:09

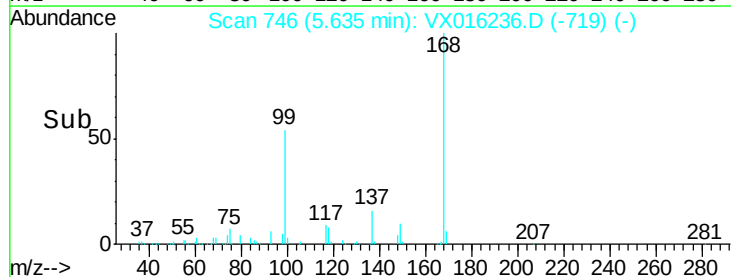
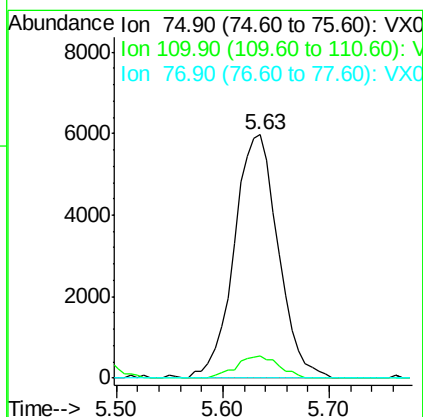
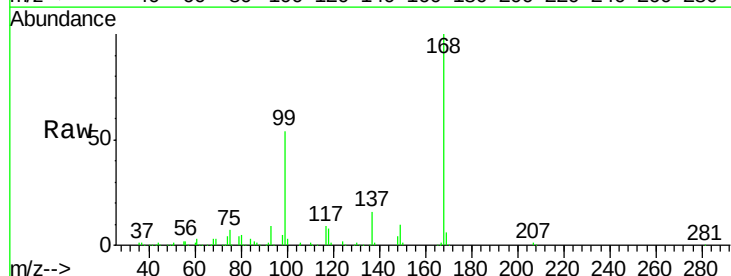
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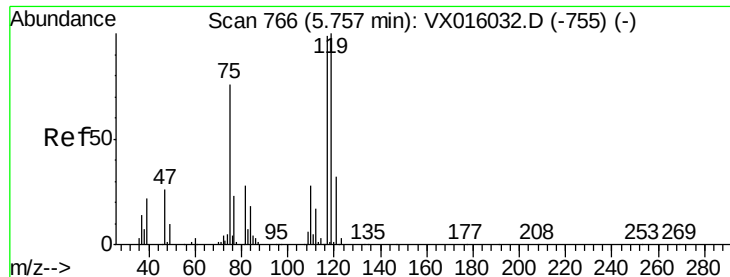
Tgt Ion: 113 Resp: 116563
 Ion Ratio Lower Upper
 113 100
 111 103.0 81.6 122.4
 192 21.1 17.0 25.4



#36
 1,1-Dichloropropene
 Concen: 4.43 ug/l
 RT: 5.63 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX016236.D
 Acq: 14 May 2020 17:09

Tgt Ion: 75 Resp: 17289
 Ion Ratio Lower Upper
 75 100
 110 8.7 18.1 54.1#
 77 0.0 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 5.76 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX016236.D

Acq: 14 May 2020 17:09

Instrument :

MSVOA_X

ClientSampleId :

SS004MW153-200513

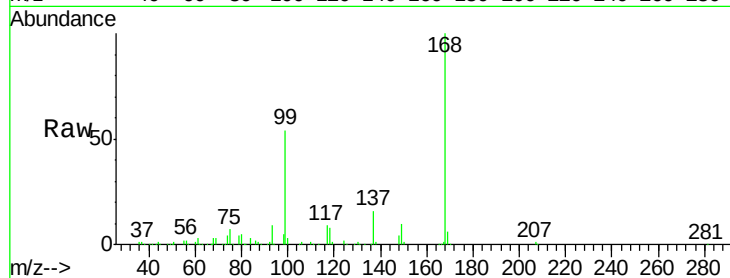
Tgt Ion:117 Resp: 22837

Ion Ratio Lower Upper

117 100

119 5.6 80.3 120.5#

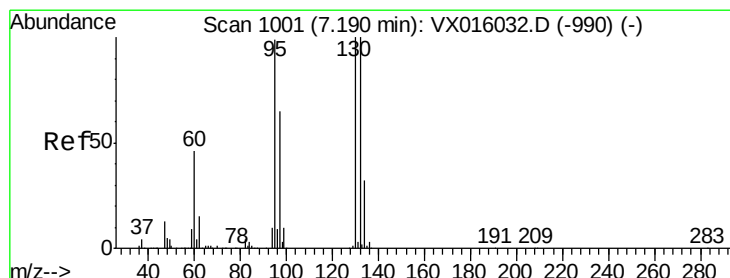
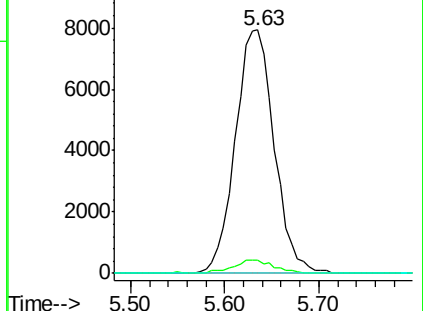
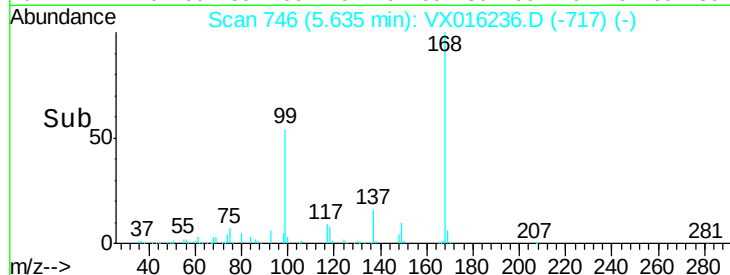
121 0.0 25.7 38.5#



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



#44

Trichloroethene

Concen: 3.52 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX016236.D

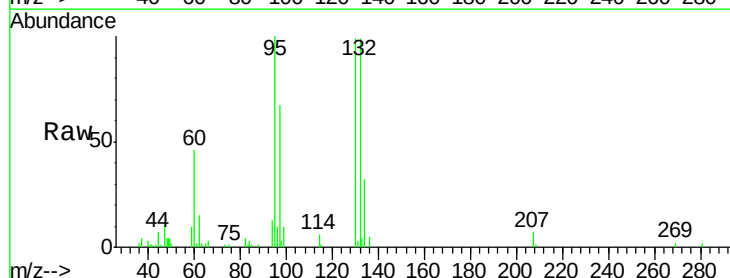
Acq: 14 May 2020 17:09

Tgt Ion:130 Resp: 14246

Ion Ratio Lower Upper

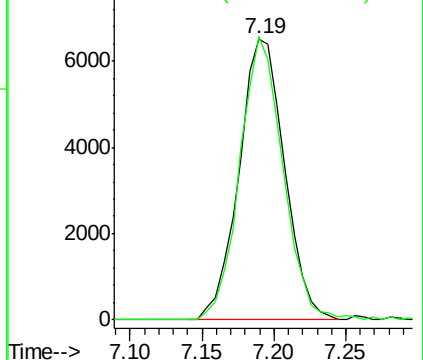
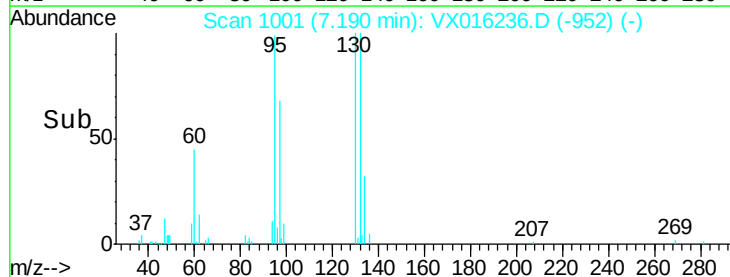
130 100

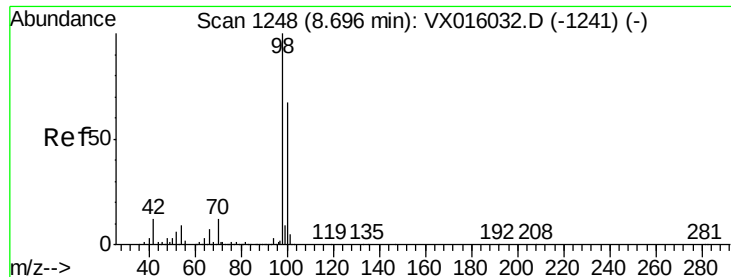
95 100.6 0.0 197.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 50.96 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016236.D

Acq: 14 May 2020 17:09

Instrument :

MSVOA_X

ClientSampleId :

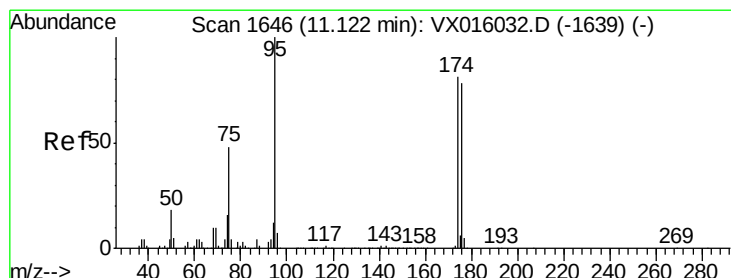
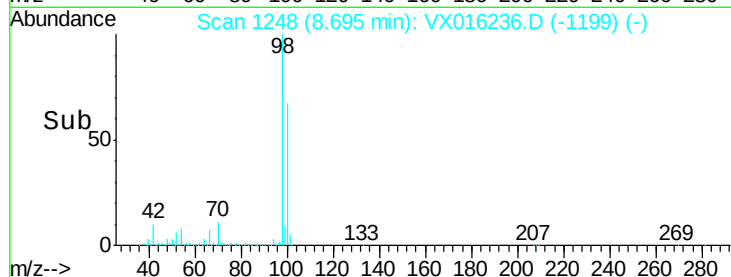
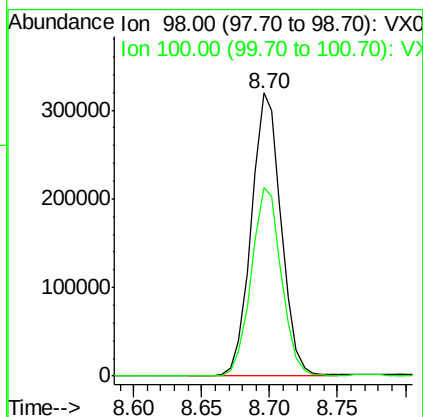
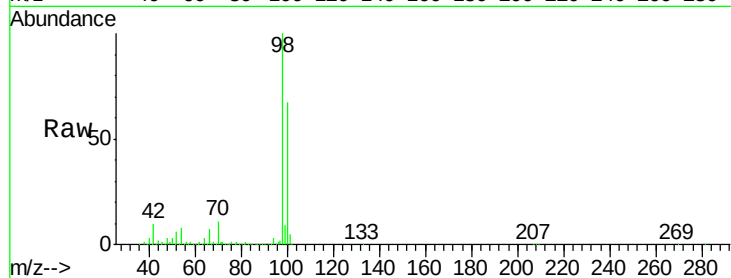
SS004MW153-200513

Tgt Ion: 98 Resp: 492630

Ion Ratio Lower Upper

98 100

100 67.1 53.7 80.5



#62

4-Bromofluorobenzene

Concen: 53.32 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016236.D

Acq: 14 May 2020 17:09

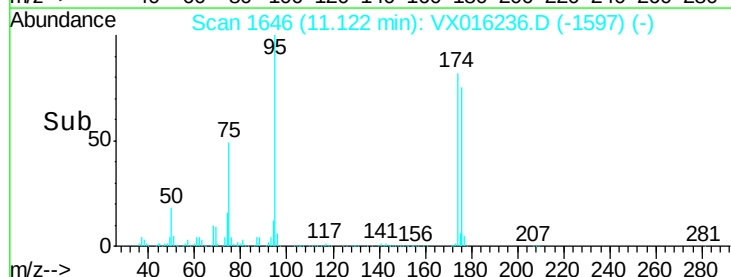
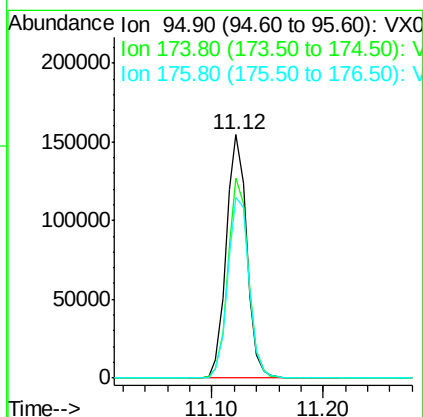
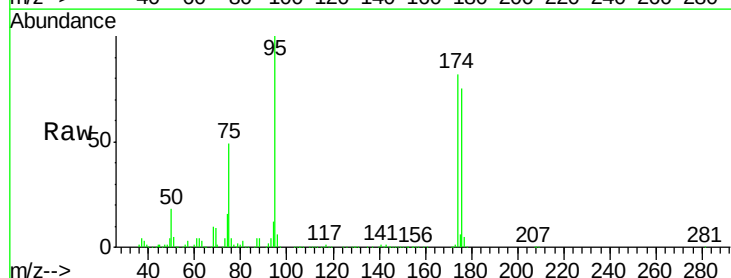
Tgt Ion: 95 Resp: 196061

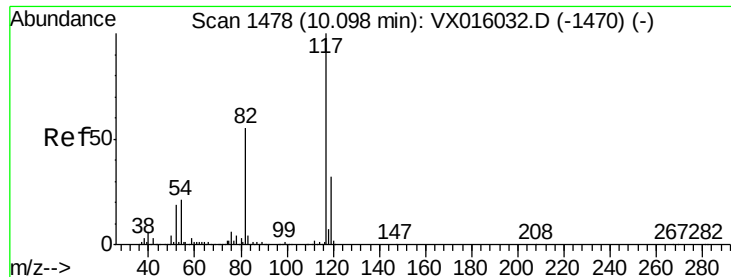
Ion Ratio Lower Upper

95 100

174 82.2 0.0 159.4

176 77.6 0.0 157.6

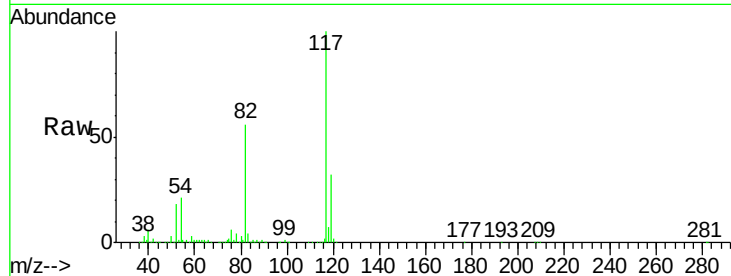




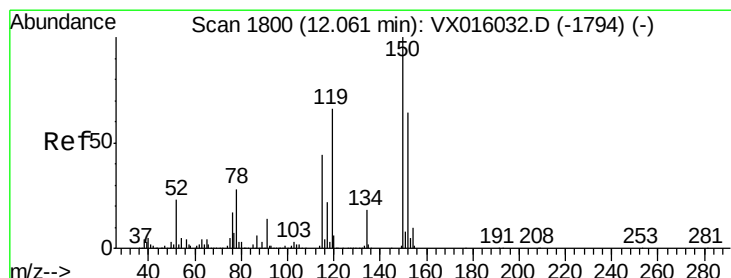
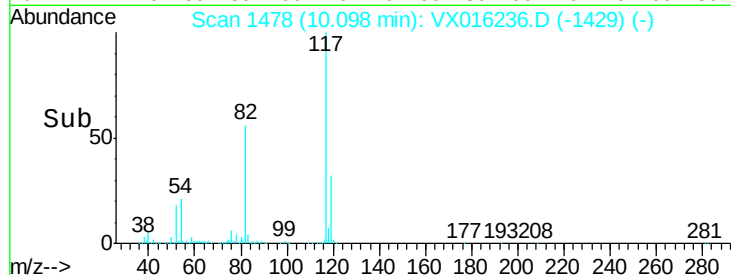
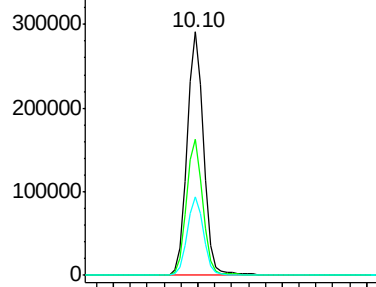
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016236.D
Acq: 14 May 2020 17:09

Instrument :
MSVOA_X
ClientSampleId :
SS004MW153-200513

Tgt Ion:117 Resp: 396454
Ion Ratio Lower Upper
117 100
82 55.8 44.4 66.6
119 32.0 25.5 38.3

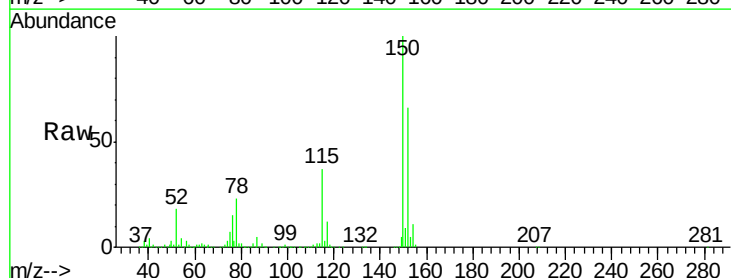


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

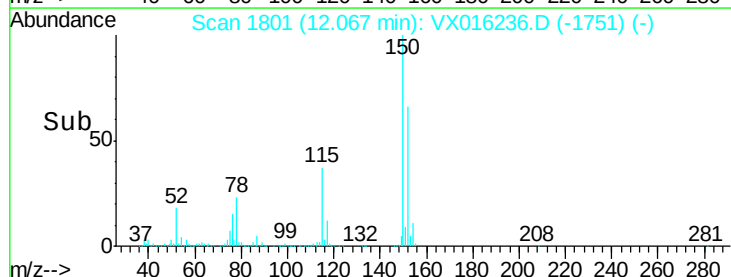
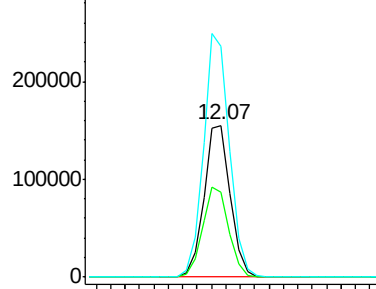


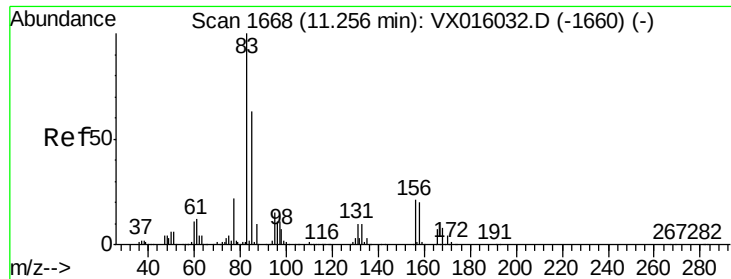
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.07 min Scan# 1801
Delta R.T. 0.01 min
Lab File: VX016236.D
Acq: 14 May 2020 17:09

Tgt Ion:152 Resp: 197555
Ion Ratio Lower Upper
152 100
115 59.3 41.3 124.1
150 157.5 0.0 352.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#75

1,1,2,2-Tetrachloroethane

Concen: 2.10 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.13 min

Lab File: VX016236.D

Acq: 14 May 2020 17:09

Instrument :

MSVOA_X

ClientSampleId :

SS004MW153-200513

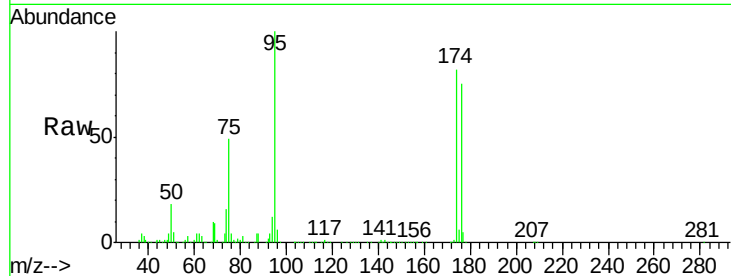
Tgt Ion: 83 Resp: 126

Ion Ratio Lower Upper

83 100

131 230.2 5.1 15.4#

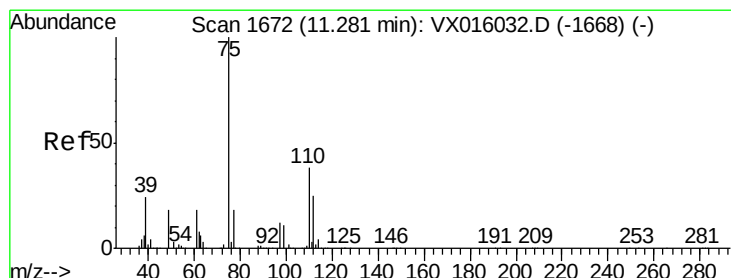
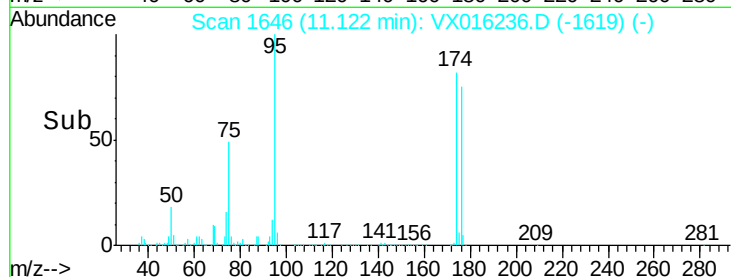
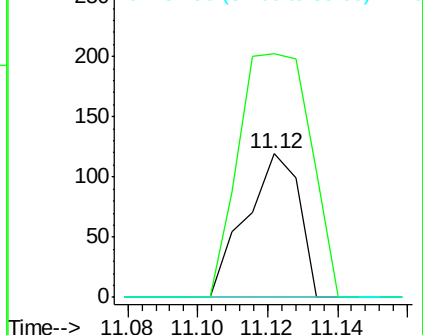
85 0.0 32.0 96.0#



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: 21.22 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016236.D

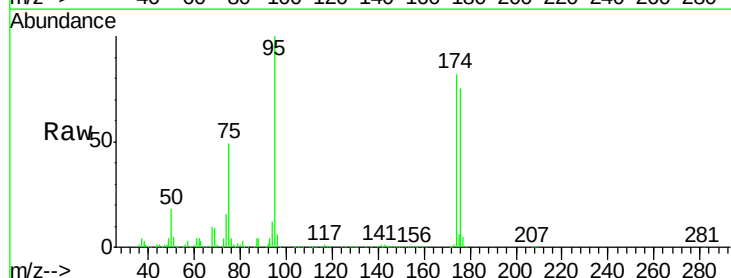
Acq: 14 May 2020 17:09

Tgt Ion: 75 Resp: 95148

Ion Ratio Lower Upper

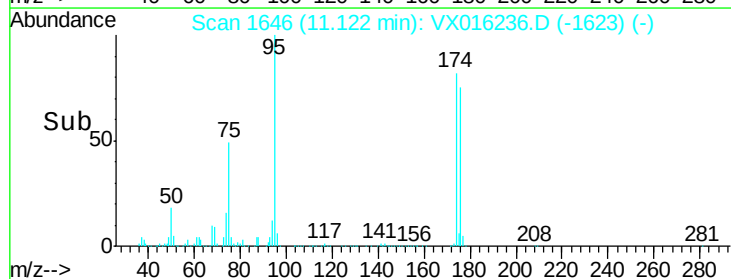
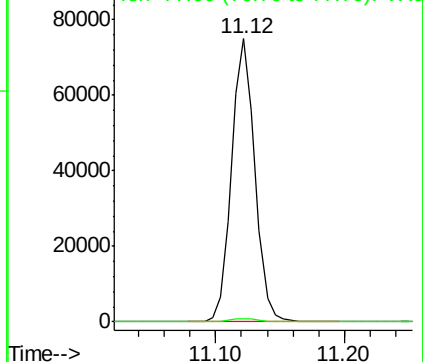
75 100

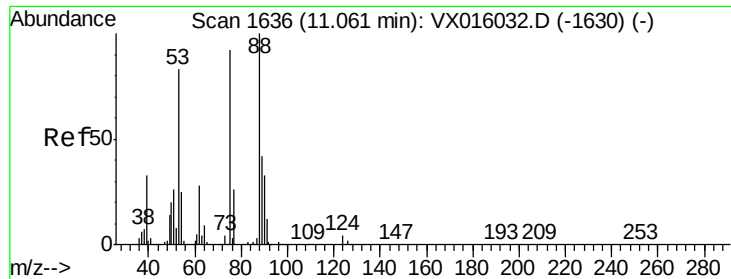
77 1.3 21.2 63.6#



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: 50.58 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016236.D

Acq: 14 May 2020 17:09

Instrument :

MSVOA_X

ClientSampleId :

SS004MW153-200513

Tgt Ion: 75 Resp: 95148

Ion Ratio Lower Upper

75 100

53 0.0 73.1 109.7#

89 0.0 36.7 55.1#

