

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX092719\
 Data File : VX012690.D
 Acq On : 27 Sep 2019 11:18
 Operator : JC/SP
 Sample : K5049-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
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Quant Time: Sep 28 03:58:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	170090	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	286681	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	239821	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	86499	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	125687	50.74	ug/l	0.00
Spiked Amount			Recovery	=	101.48%	
35) Dibromofluoromethane	5.49	113	92320	54.07	ug/l	0.00
Spiked Amount			Recovery	=	108.14%	
50) Toluene-d8	8.71	98	358466	54.52	ug/l	0.00
Spiked Amount			Recovery	=	109.04%	
62) 4-Bromofluorobenzene	11.14	95	119155	46.09	ug/l	0.00
Spiked Amount			Recovery	=	92.18%	

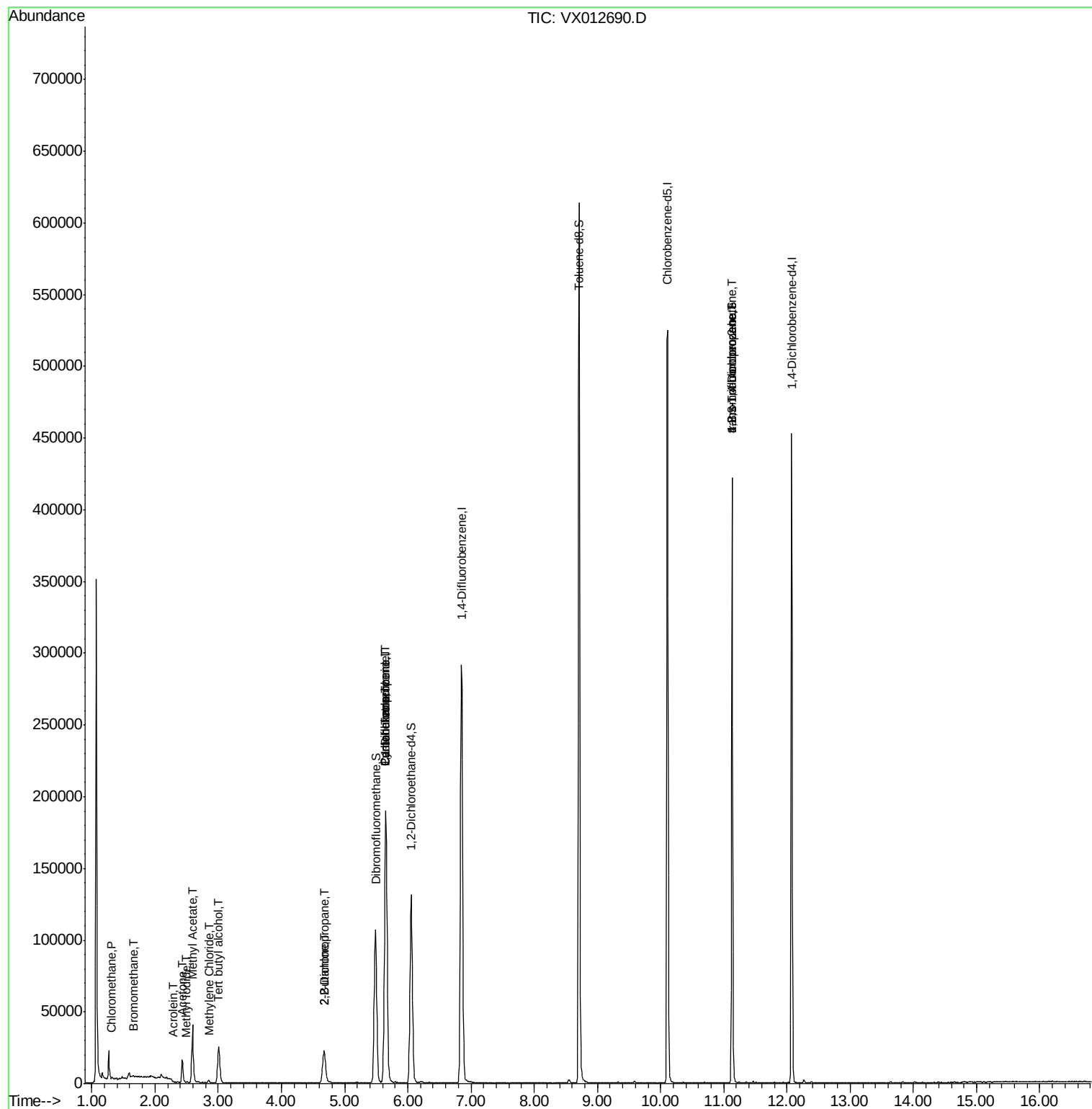
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	441	0.201	ug/l #	58
5) Bromomethane	1.65	94	518	0.603	ug/l	99
10) Methyl Iodide	2.50	142	327	5.103	ug/l #	52
11) Tert butyl alcohol	3.00	59	17570	28.397	ug/l #	76
13) Acrolein	2.28	56	19	10.286	ug/l #	1
16) Acetone	2.43	43	16931	12.905	ug/l	97
18) Methyl Acetate	2.59	43	10965	3.550	ug/l #	54
20) Methylene Chloride	2.85	84	900	0.406	ug/l #	68
25) 2-Butanone	4.68	43	1791	0.952	ug/l #	51
26) 2,2-Dichloropropane	4.67	77	1969	0.581	ug/l #	55
31) Cyclohexane	5.65	56	3862	1.120	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	15172	5.491	ug/l #	51
38) Carbon Tetrachloride	5.65	117	18535	6.603	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	61449	26.856	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	61449	76.963	ug/l #	8

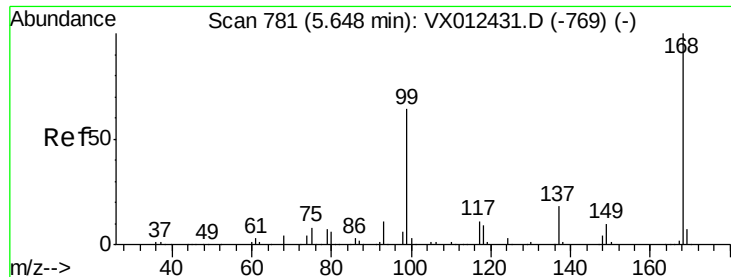
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX012690.D

Acq: 27 Sep 2019 11:18

Instrument :

MSVOA_X

ClientSampleId :

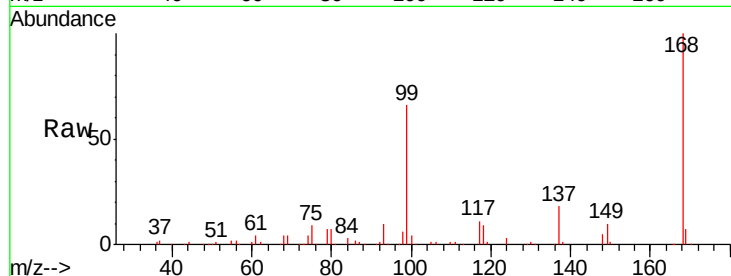
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Tgt Ion:168 Resp: 170090

Ion Ratio Lower Upper

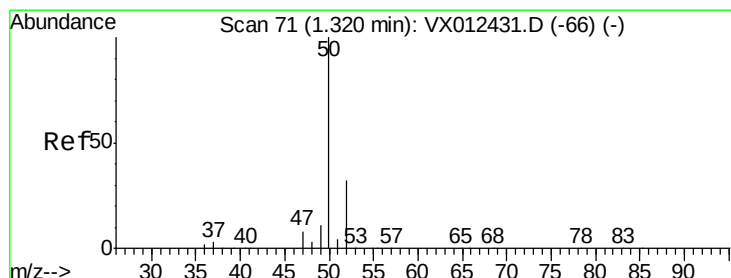
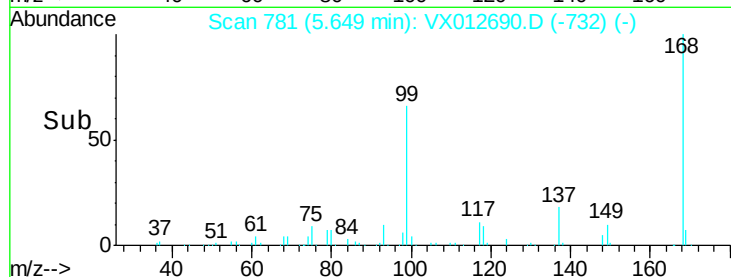
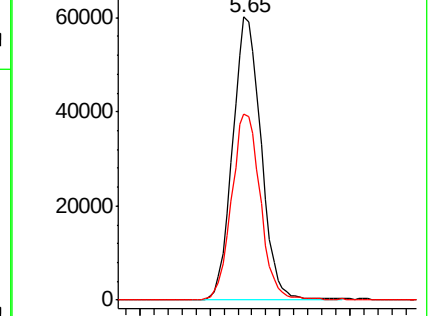
168 100

99 66.0 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.201 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012690.D

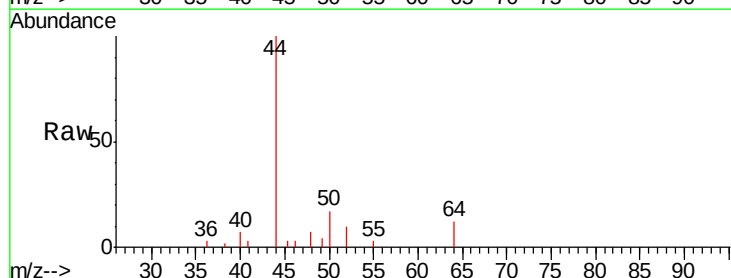
Acq: 27 Sep 2019 11:18

Tgt Ion: 50 Resp: 441

Ion Ratio Lower Upper

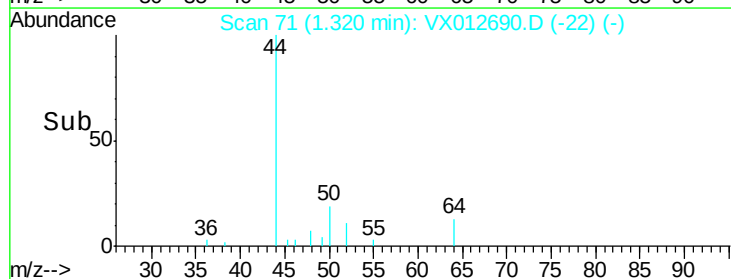
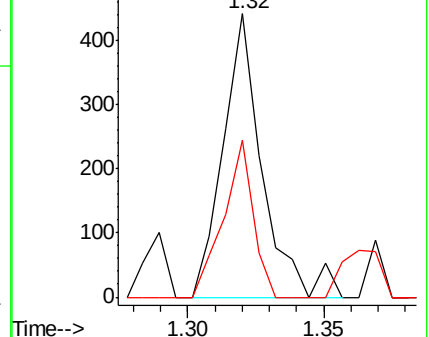
50 100

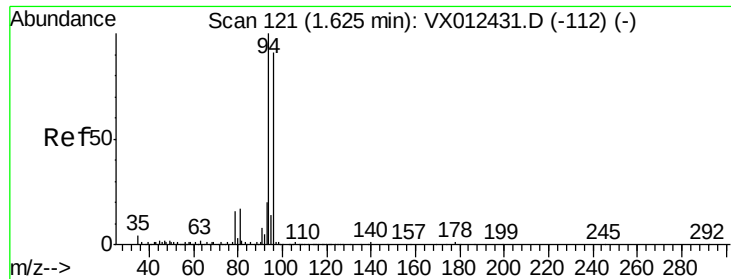
52 55.3 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.603 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX012690.D

Acq: 27 Sep 2019 11:18

Instrument :

MSVOA_X

ClientSampled :

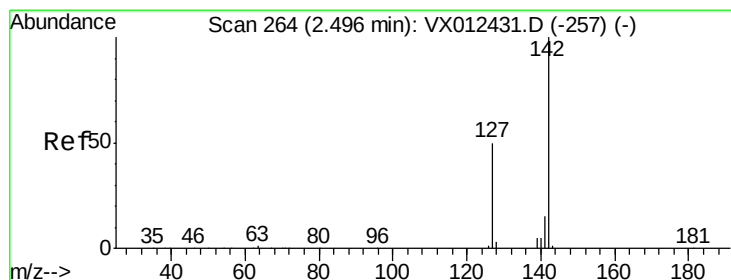
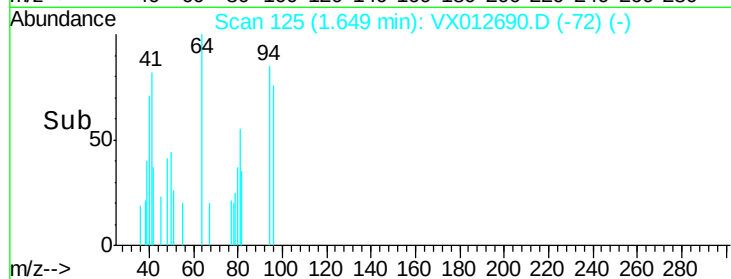
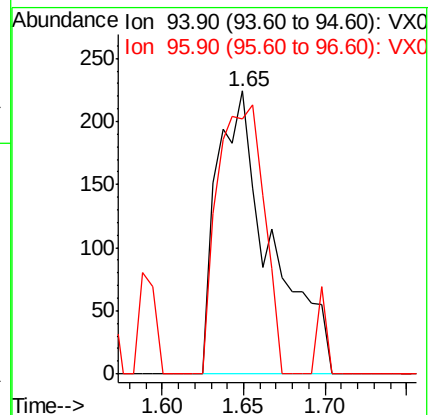
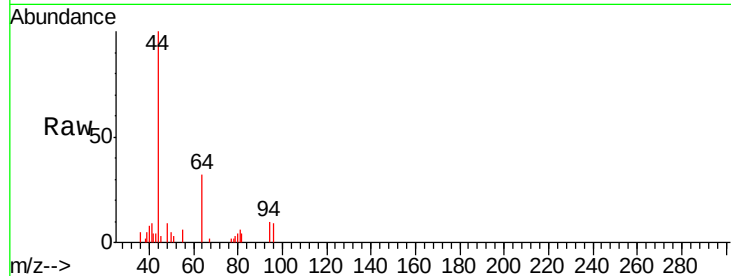
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Tgt Ion: 94 Resp: 518

Ion Ratio Lower Upper

94 100

96 90.2 72.8 109.2



#10

Methyl Iodide

Concen: 5.103 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX012690.D

Acq: 27 Sep 2019 11:18

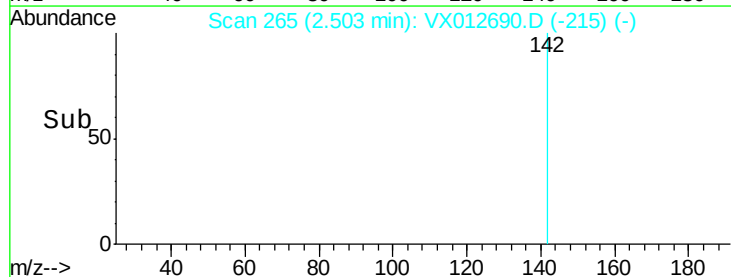
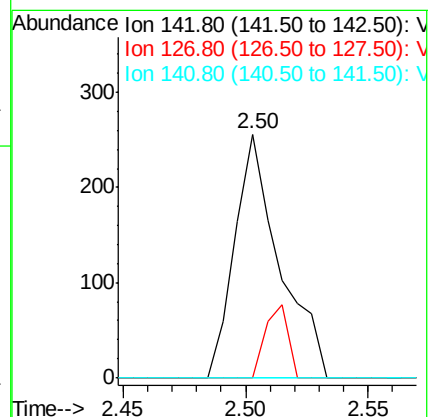
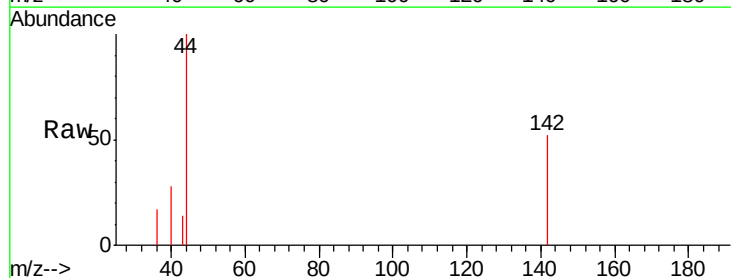
Tgt Ion: 142 Resp: 327

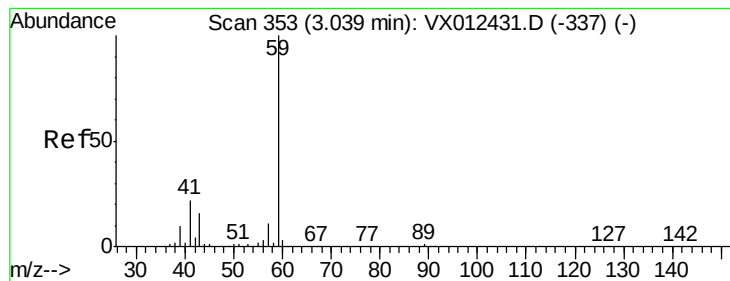
Ion Ratio Lower Upper

142 100

127 15.3 40.8 61.2#

141 0.0 12.1 18.1#



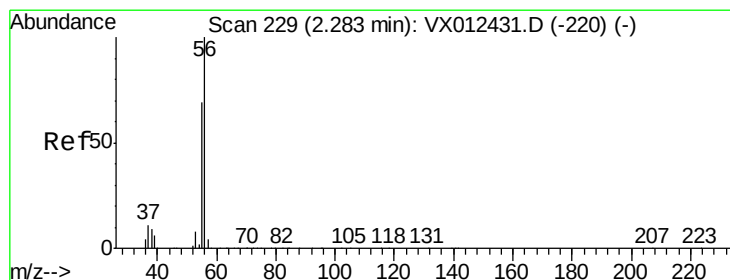
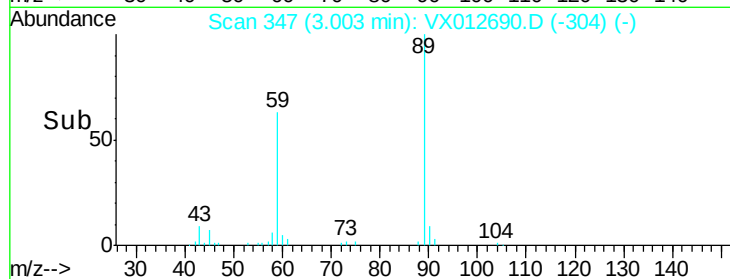
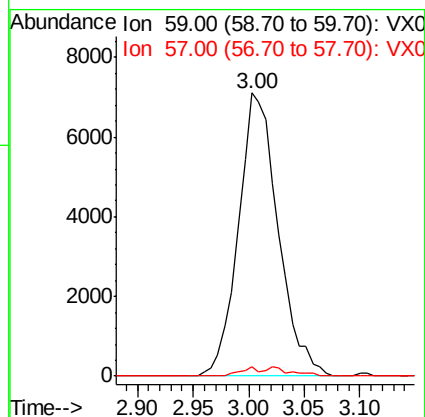
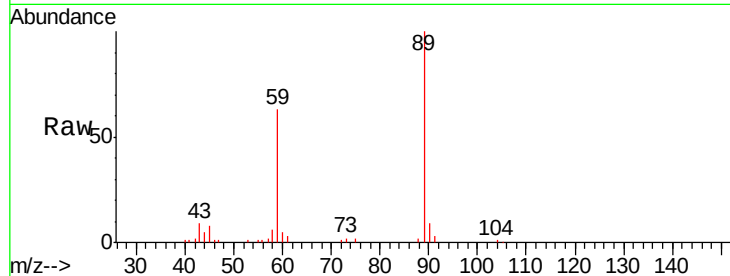


#11

Tert butyl alcohol
 Concen: 28.397 ug/l
 RT: 3.00 min Scan# 347
 Delta R.T. -0.04 min
 Lab File: VX012690.D
 Acq: 27 Sep 2019 11:18

Instrument :
 MSVOA_X
 ClientSampleId :
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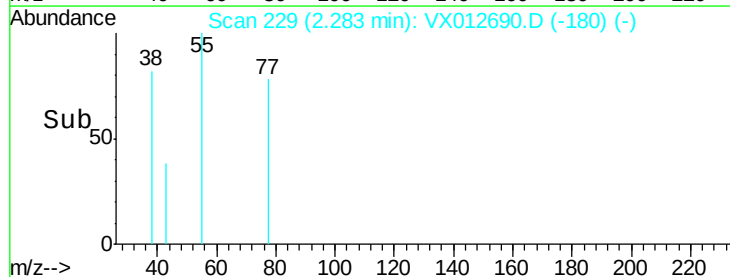
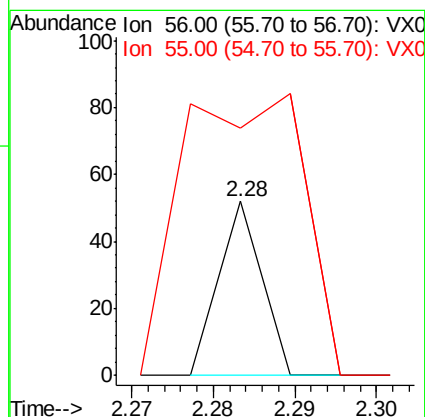
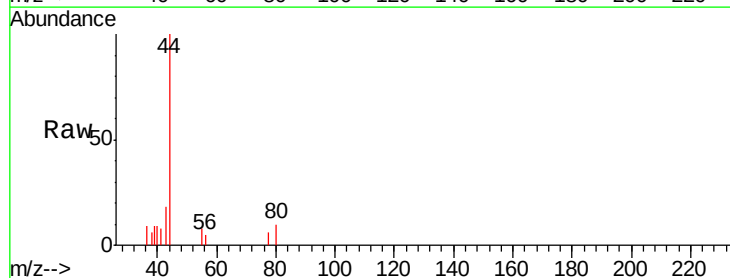
Tgt Ion: 59 Resp: 17570
 Ion Ratio Lower Upper
 59 100
 57 1.3 8.3 12.5#

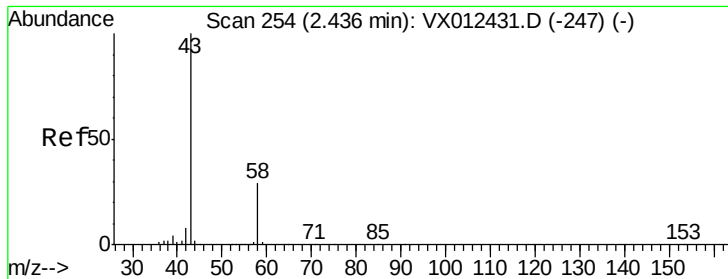


#13

Acrolein
 Concen: 10.286 ug/l
 RT: 2.28 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VX012690.D
 Acq: 27 Sep 2019 11:18

Tgt Ion: 56 Resp: 19
 Ion Ratio Lower Upper
 56 100
 55 457.9 55.8 83.8#





#16

Acetone

Concen: 12.905 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012690.D

Acq: 27 Sep 2019 11:18

Instrument :

MSVOA_X

ClientSampled :

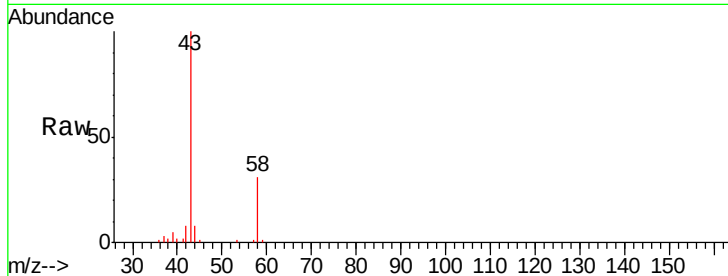
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Tgt Ion: 43 Resp: 16931

Ion Ratio Lower Upper

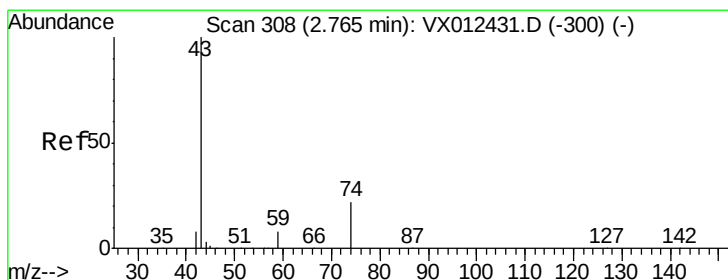
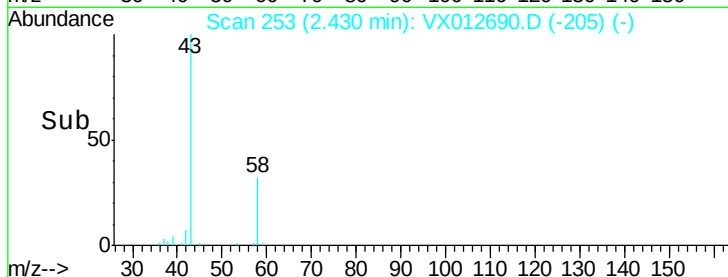
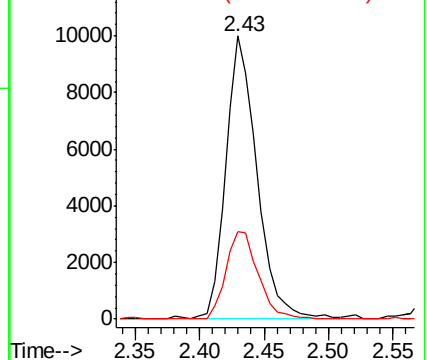
43 100

58 31.0 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 3.550 ug/l

RT: 2.59 min Scan# 280

Delta R.T. -0.17 min

Lab File: VX012690.D

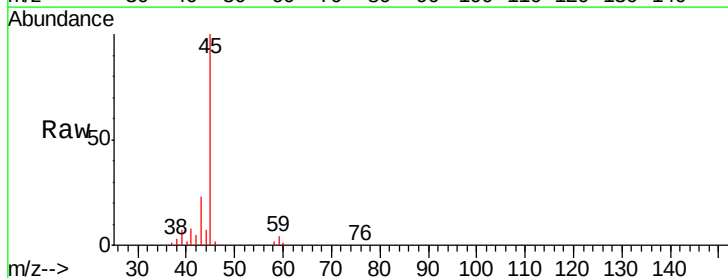
Acq: 27 Sep 2019 11:18

Tgt Ion: 43 Resp: 10965

Ion Ratio Lower Upper

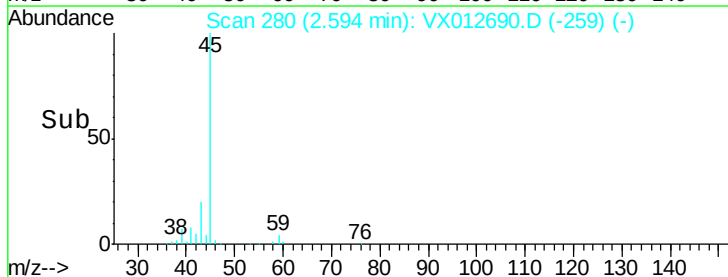
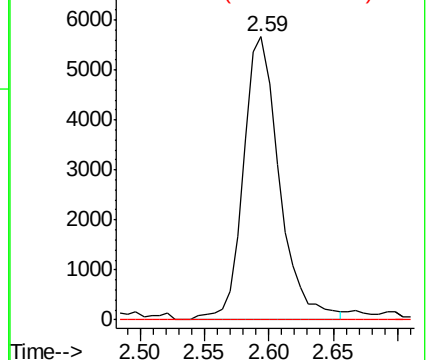
43 100

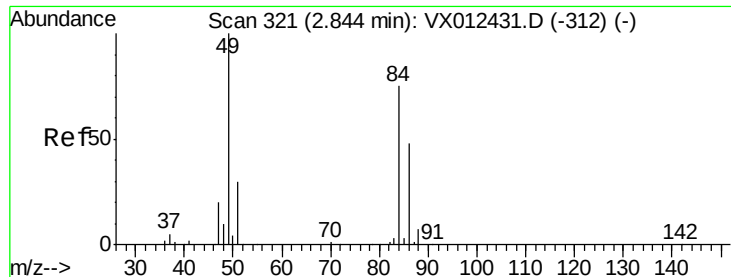
74 0.0 17.7 26.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

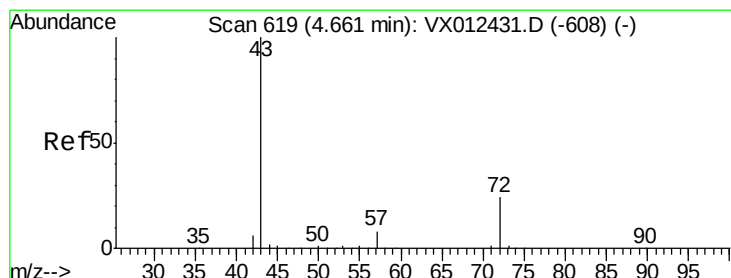
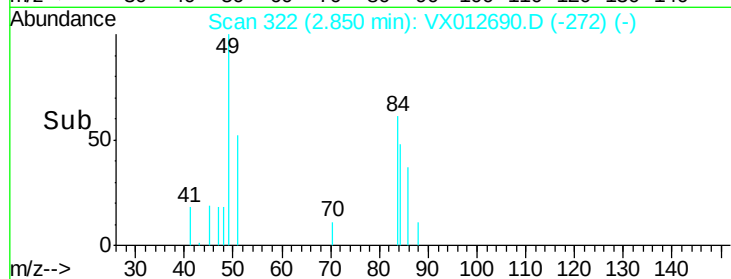
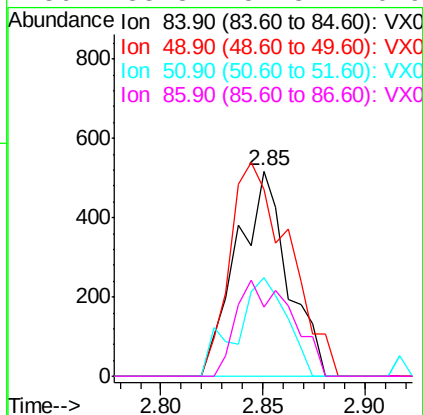
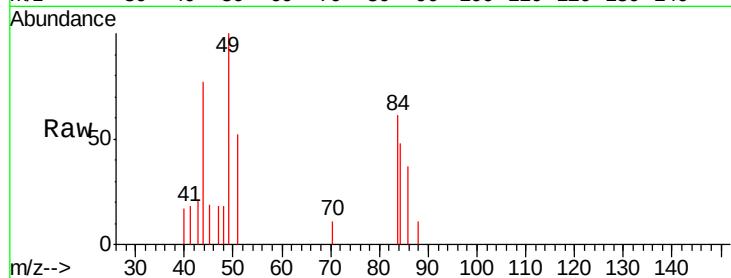




#20
Methylene Chloride
Concen: 0.406 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX012690.D
Acq: 27 Sep 2019 11:18

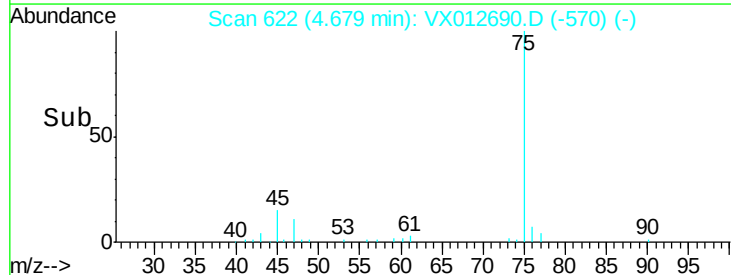
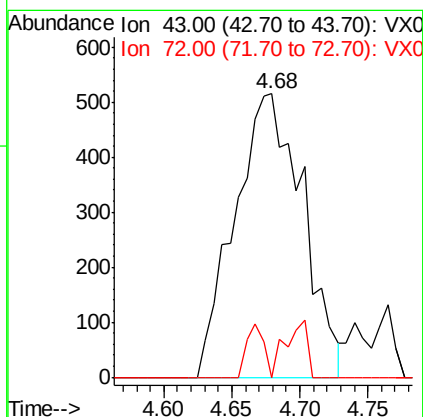
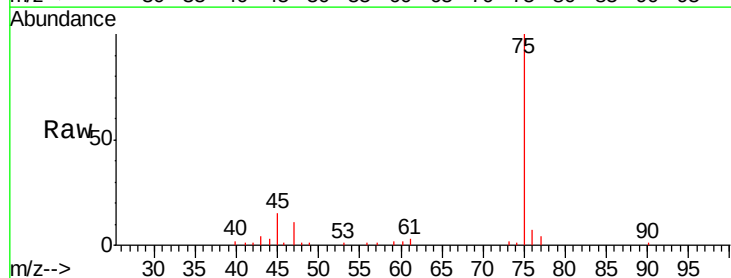
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ClientSampleId :
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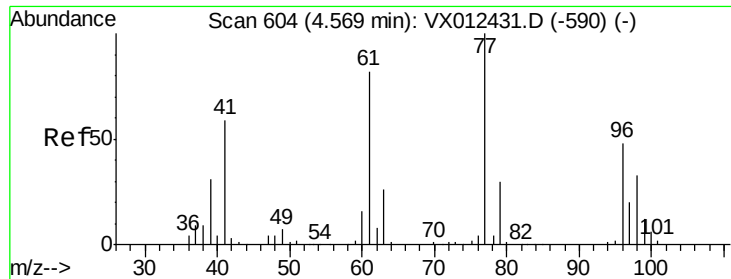
Tgt Ion: 84 Resp: 900
Ion Ratio Lower Upper
84 100
49 91.5 106.8 160.2#
51 48.0 32.3 48.5
86 33.8 51.3 76.9#



#25
2-Butanone
Concen: 0.952 ug/l
RT: 4.68 min Scan# 622
Delta R.T. 0.02 min
Lab File: VX012690.D
Acq: 27 Sep 2019 11:18

Tgt Ion: 43 Resp: 1791
Ion Ratio Lower Upper
43 100
72 0.0 19.2 28.8#

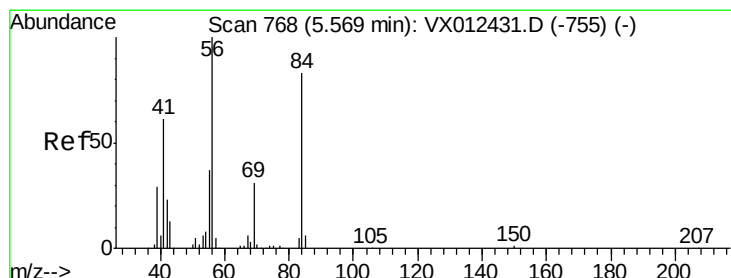
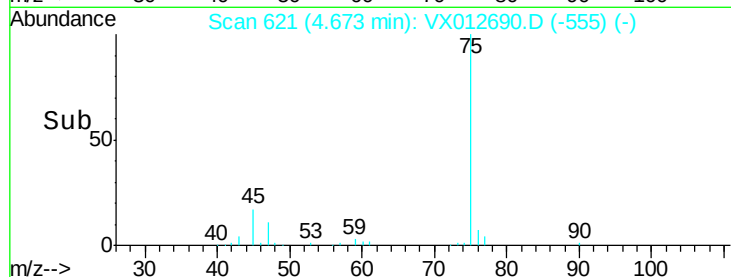
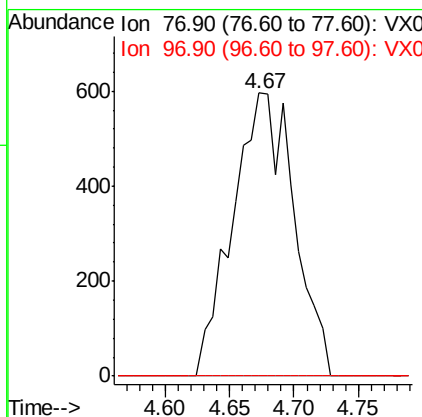
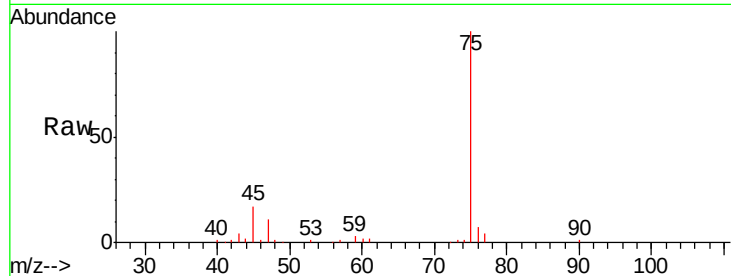




#26
 2,2-Dichloropropane
 Concen: 0.581 ug/l
 RT: 4.67 min Scan# 621
 Delta R.T. 0.10 min
 Lab File: VX012690.D
 Acq: 27 Sep 2019 11:18

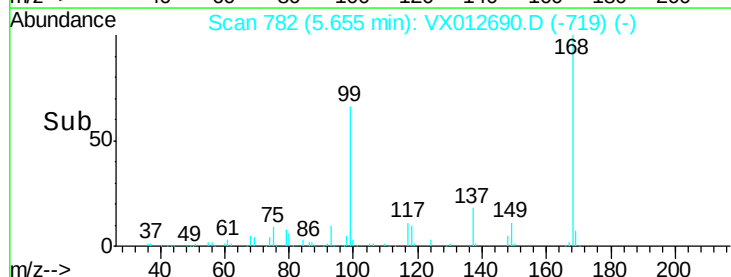
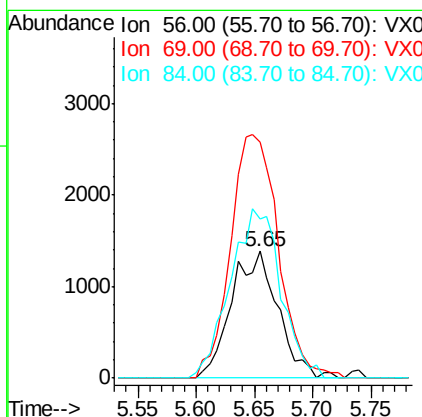
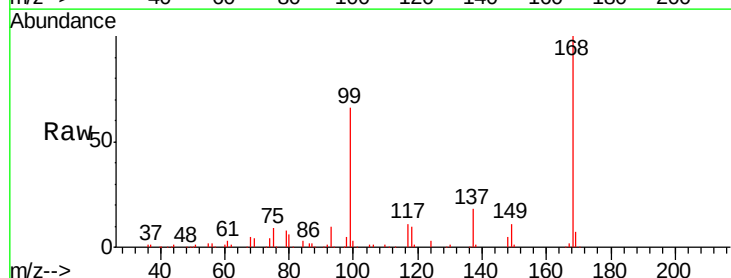
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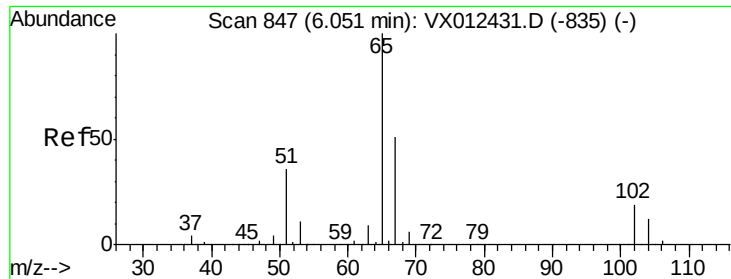
Tgt Ion: 77 Resp: 1969
 Ion Ratio Lower Upper
 77 100
 97 0.0 10.5 31.6#



#31
 Cyclohexane
 Concen: 1.120 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. 0.09 min
 Lab File: VX012690.D
 Acq: 27 Sep 2019 11:18

Tgt Ion: 56 Resp: 3862
 Ion Ratio Lower Upper
 56 100
 69 186.4 25.0 37.6#
 84 125.7 66.4 99.6#

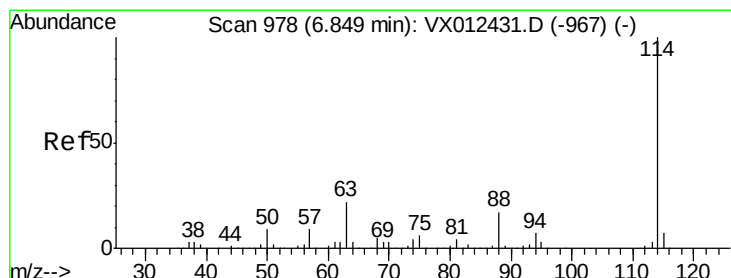
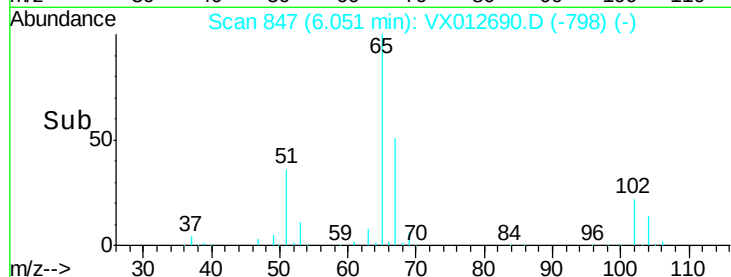
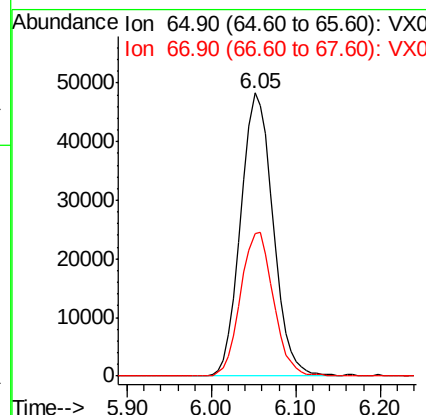
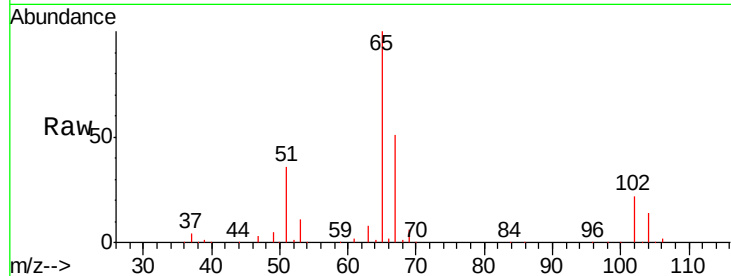




#33
 1,2-Dichloroethane-d4
 Concen: 50.745 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012690.D
 Acq: 27 Sep 2019 11:18

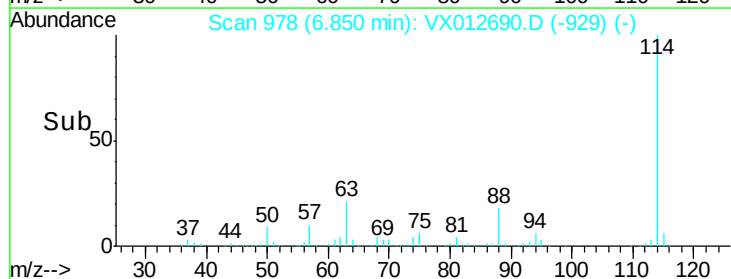
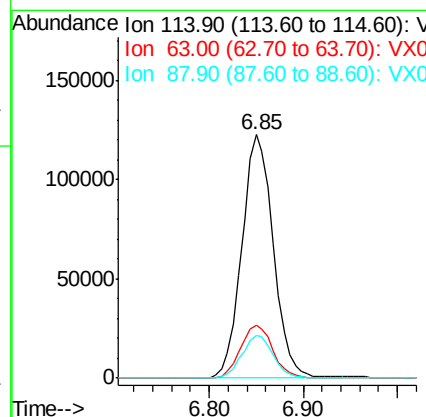
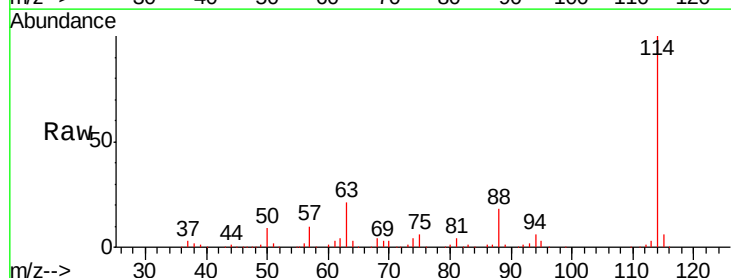
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 ClientSampled :
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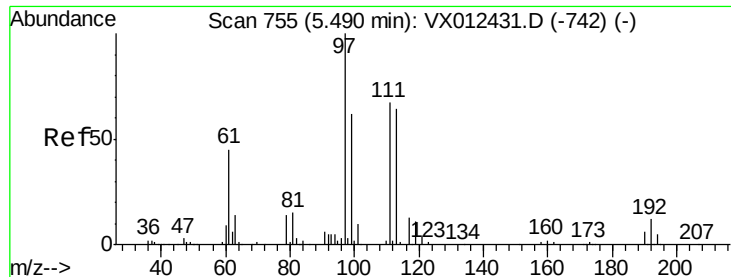
Tgt Ion: 65 Resp: 125687
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012690.D
 Acq: 27 Sep 2019 11:18

Tgt Ion: 114 Resp: 286681
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 43.2
 88 17.5 0.0 33.2





#35

Dibromofluoromethane

Concen: 54.073 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012690.D

Acq: 27 Sep 2019 11:18

Instrument :

MSVOA_X

ClientSampleId :

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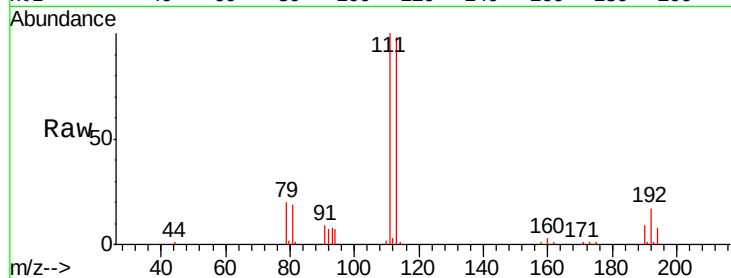
Tgt Ion:113 Resp: 92320

Ion Ratio Lower Upper

113 100

111 102.8 83.4 125.2

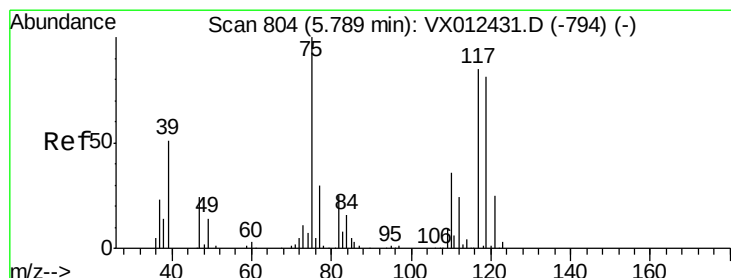
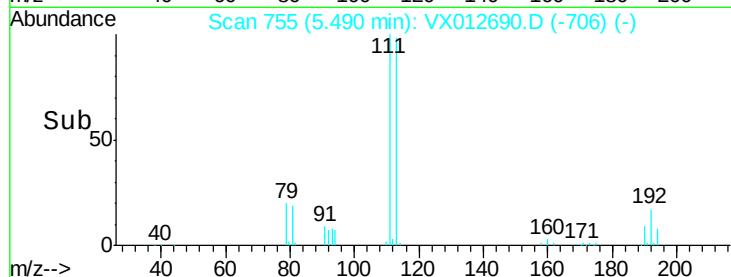
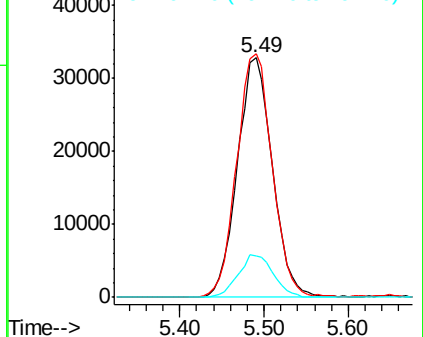
192 17.9 14.4 21.6



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: 5.491 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012690.D

Acq: 27 Sep 2019 11:18

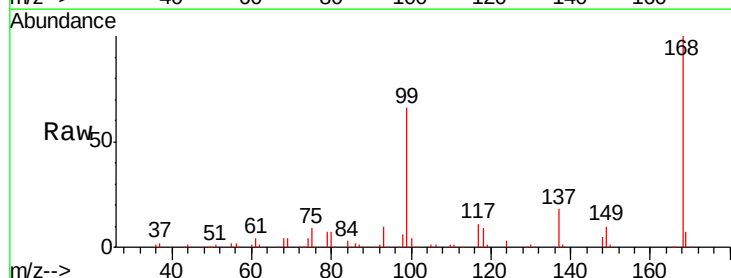
Tgt Ion: 75 Resp: 15172

Ion Ratio Lower Upper

75 100

110 9.1 16.7 50.0#

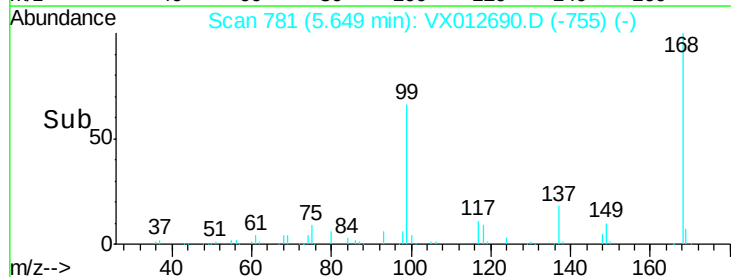
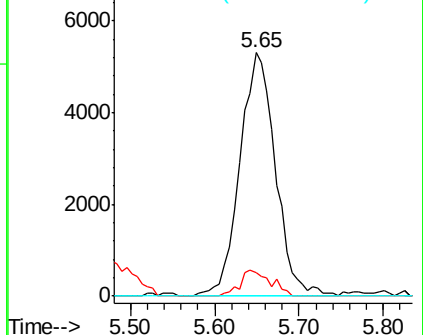
77 0.0 24.2 36.2#

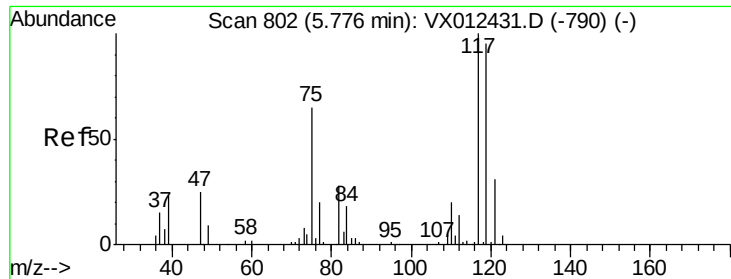


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

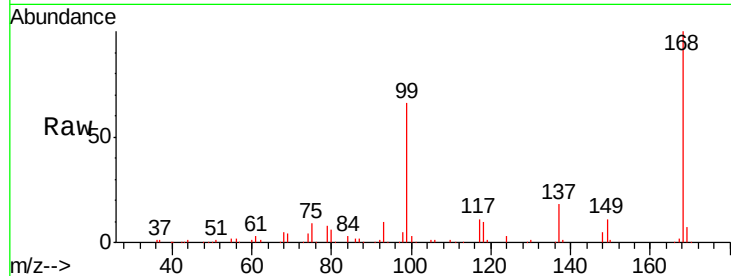




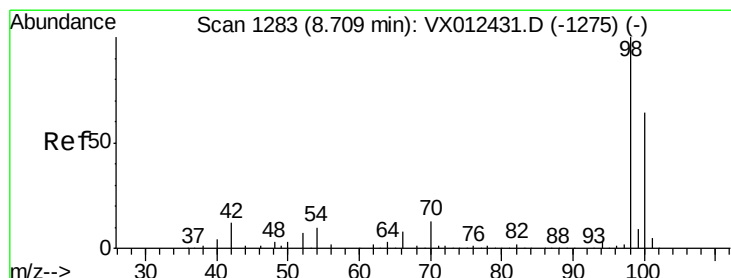
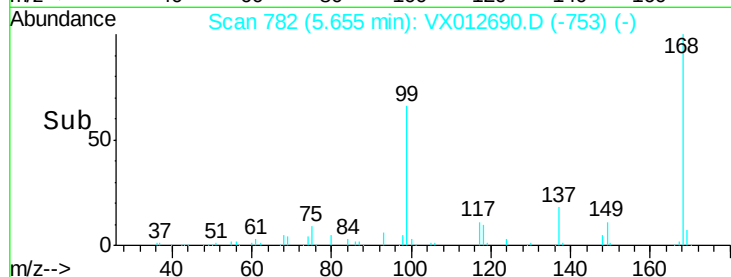
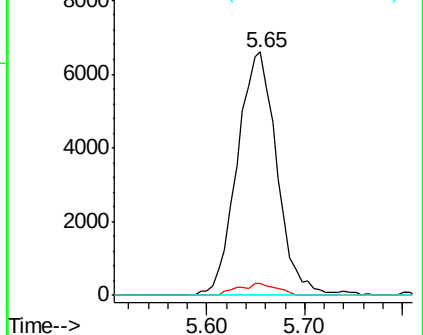
#38
Carbon Tetrachloride
Concen: 6.603 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.12 min
Lab File: VX012690.D
Acq: 27 Sep 2019 11:18

Instrument :
MSVOA_X
ClientSampleId :
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Tgt Ion:117 Resp: 18535
Ion Ratio Lower Upper
117 100
119 4.7 75.7 113.5#
121 0.0 24.2 36.4#

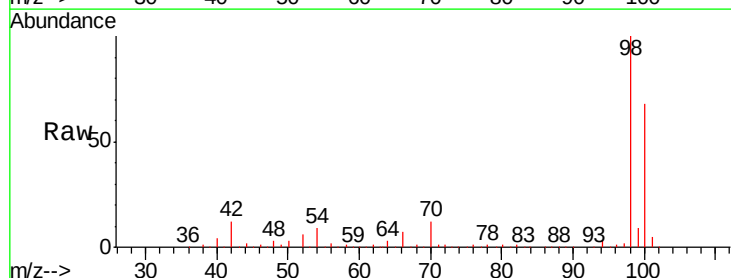


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

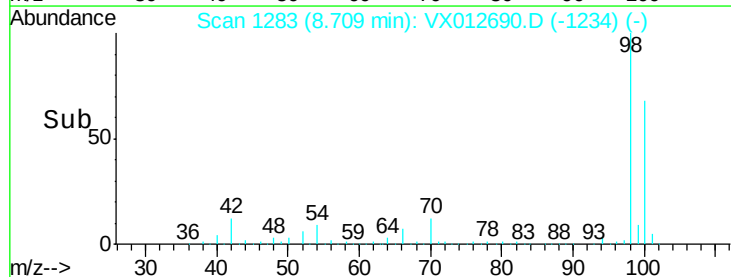
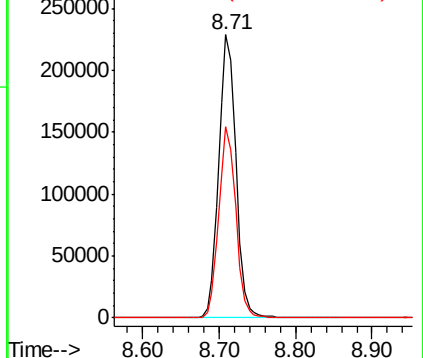


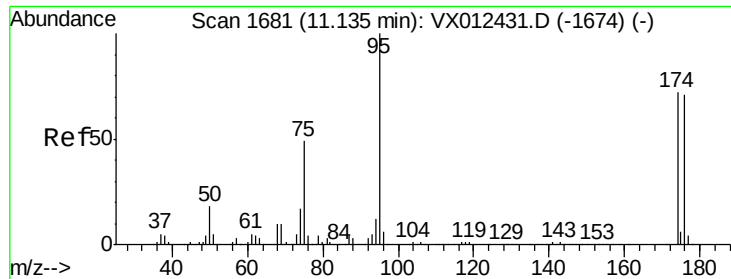
#50
Toluene-d8
Concen: 54.520 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012690.D
Acq: 27 Sep 2019 11:18

Tgt Ion: 98 Resp: 358466
Ion Ratio Lower Upper
98 100
100 66.8 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 46.090 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012690.D

Acq: 27 Sep 2019 11:18

Instrument :

MSVOA_X

ClientSampleId :

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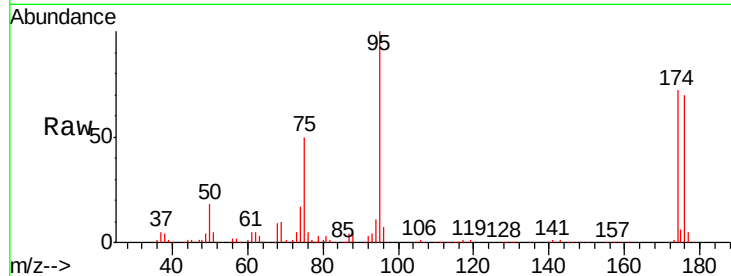
Tgt Ion: 95 Resp: 119155

Ion Ratio Lower Upper

95 100

174 67.7 0.0 140.0

176 65.3 0.0 135.4

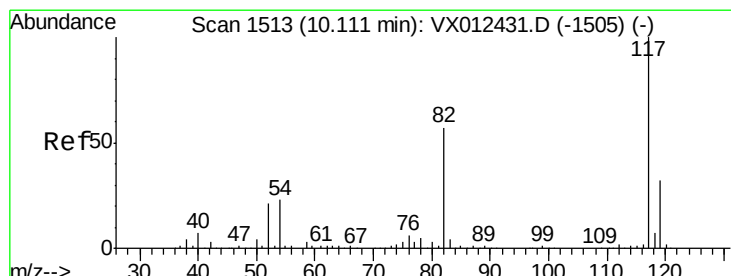
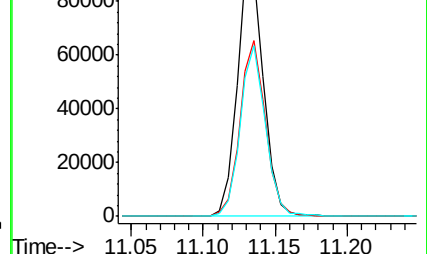
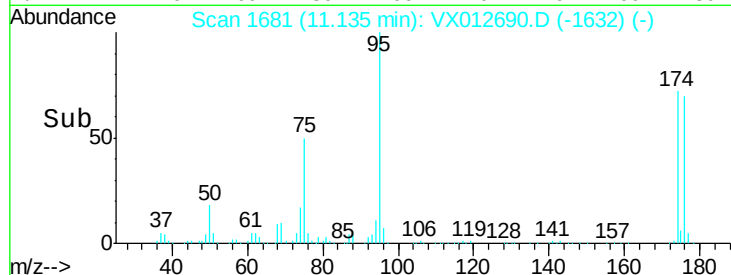


Abundance Ion 94.90 (94.60 to 95.60): VX012690.D (-1632) (-)

Ion 173.80 (173.50 to 174.50): VX012690.D (-1632) (-)

Ion 175.80 (175.50 to 176.50): VX012690.D (-1632) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX012690.D

Acq: 27 Sep 2019 11:18

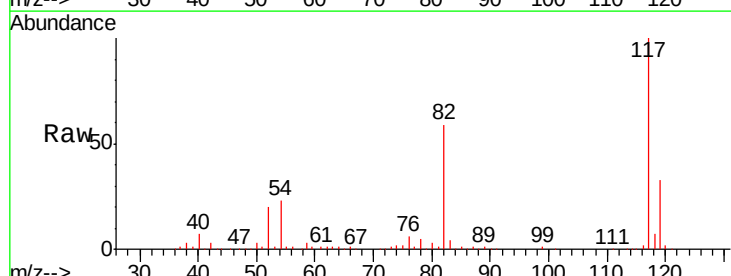
Tgt Ion: 117 Resp: 239821

Ion Ratio Lower Upper

117 100

82 59.3 45.9 68.9

119 33.3 25.3 37.9

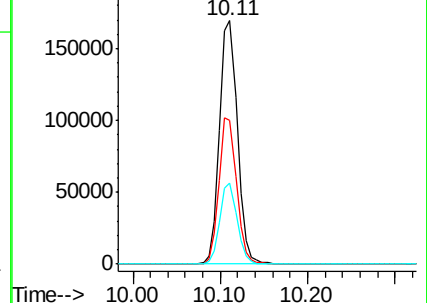
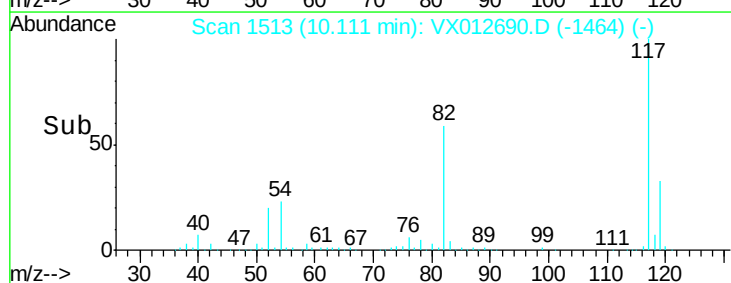


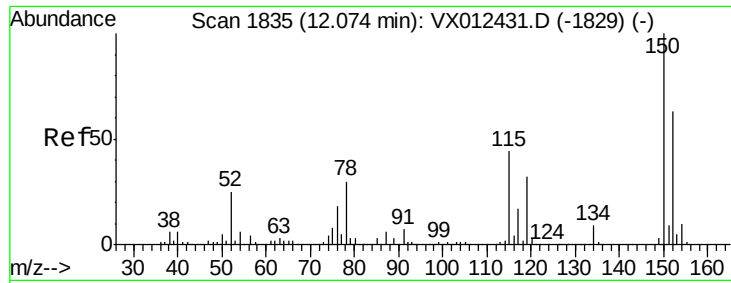
Abundance Ion 116.90 (116.60 to 117.60): VX012690.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX012690.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX012690.D (-1464) (-)

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012690.D

Acq: 27 Sep 2019 11:18

Instrument :

MSVOA_X

ClientSampled :

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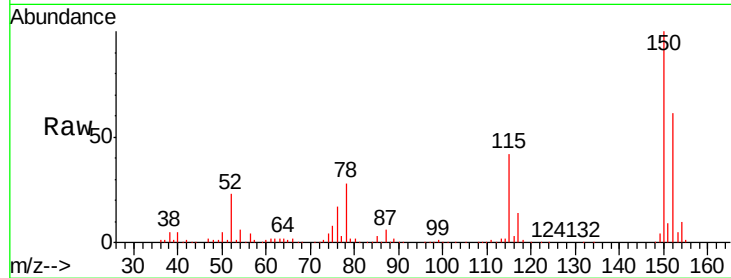
Tgt Ion:152 Resp: 86499

Ion Ratio Lower Upper

152 100

115 65.3 44.1 132.3

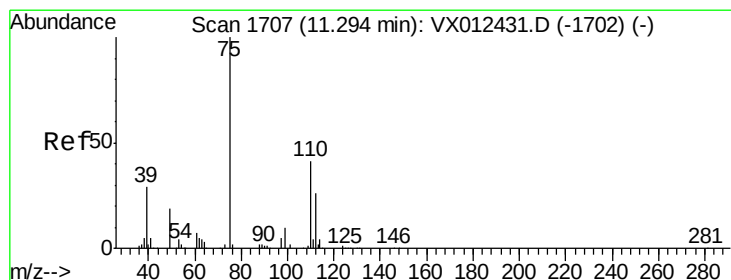
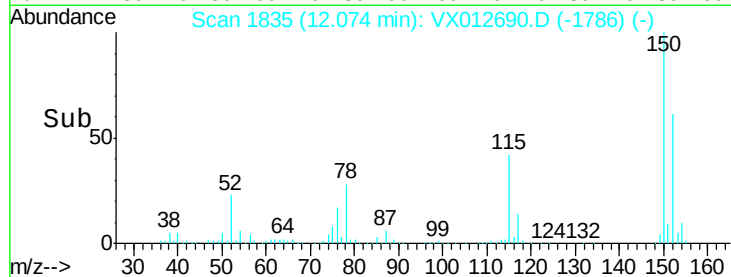
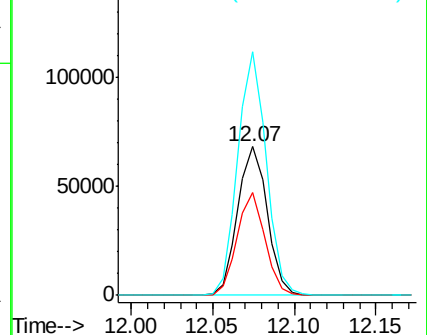
150 157.5 0.0 343.8



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: 26.856 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012690.D

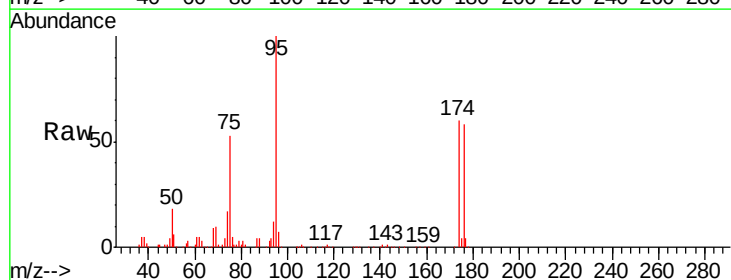
Acq: 27 Sep 2019 11:18

Tgt Ion: 75 Resp: 61449

Ion Ratio Lower Upper

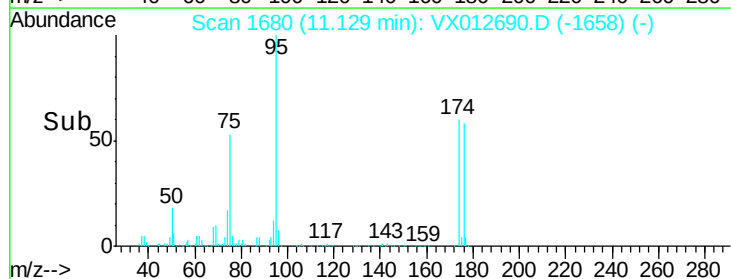
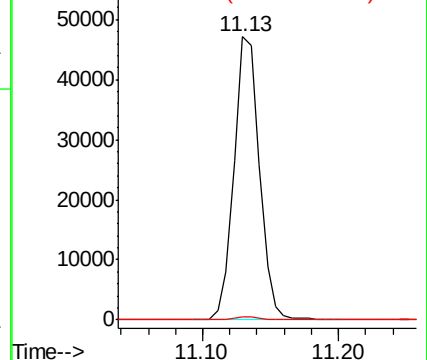
75 100

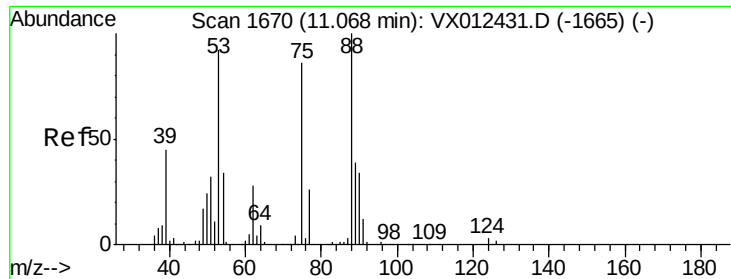
77 1.2 19.7 59.0#



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: 76.963 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX012690.D
 Acq: 27 Sep 2019 11:18

Instrument :
 MSVOA_X
 ClientSampleId :
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Tgt Ion: 75 Resp: 61449
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.6 125.4#
 89 0.0 36.3 54.5#

