

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090419\
 Data File : VX012077.D
 Acq On : 05 Sep 2019 03:49
 Operator : SY/SP
 Sample : K4546-19
 Misc : 3.99g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T3-S-B4-(0)

Quant Time: Sep 05 05:30:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	159534	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	282126	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	241343	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	101245	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	109469	49.73	ug/l	0.00
Spiked Amount			Recovery	=	99.46%	
35) Dibromofluoromethane	5.48	113	82354	47.47	ug/l	0.00
Spiked Amount			Recovery	=	94.94%	
50) Toluene-d8	8.71	98	329967	51.83	ug/l	0.00
Spiked Amount			Recovery	=	103.66%	
62) 4-Bromofluorobenzene	11.14	95	128216	43.30	ug/l	0.00
Spiked Amount			Recovery	=	86.60%	

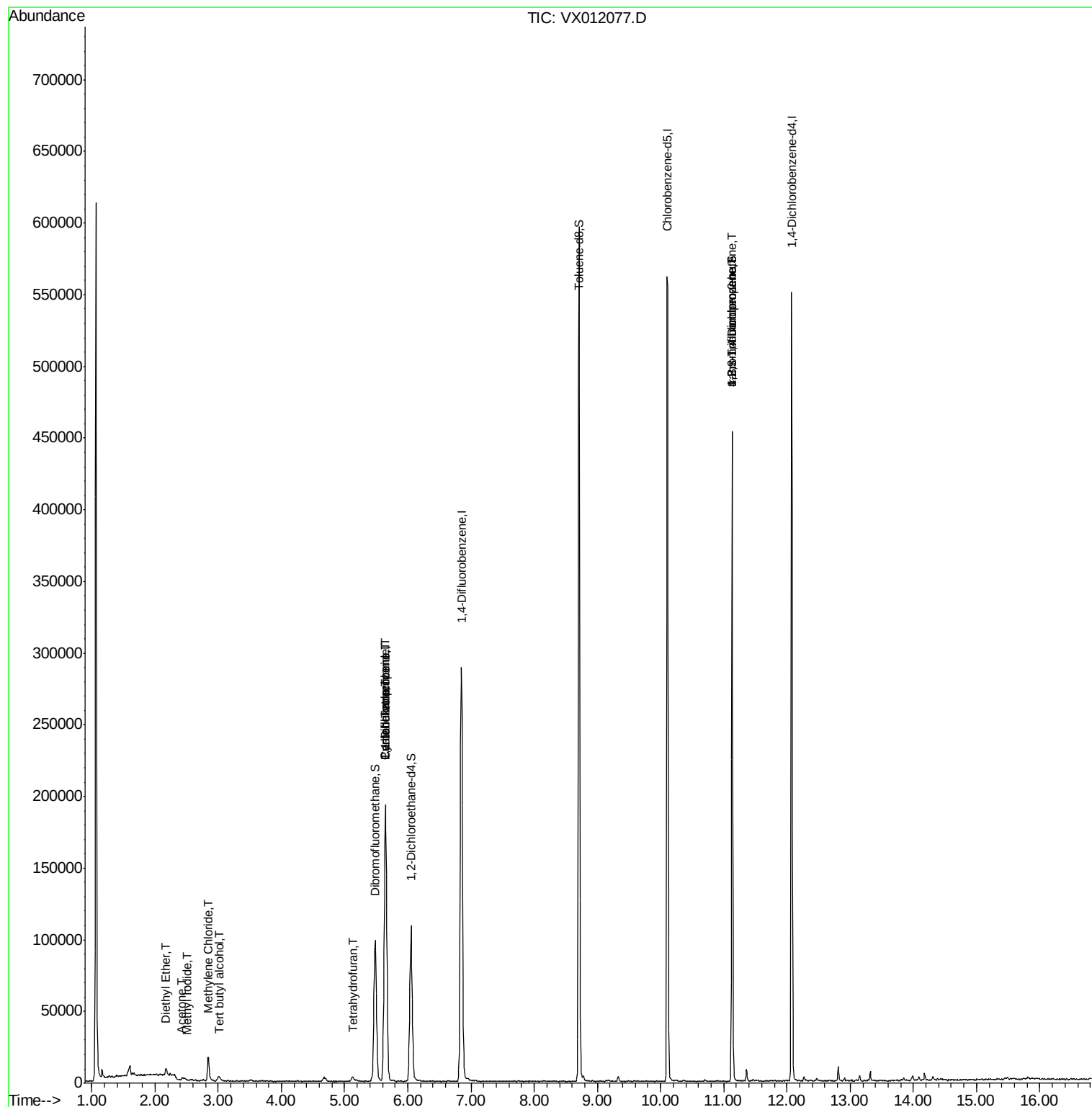
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	1678	2.205	ug/l	91
10) Methyl Iodide	2.51	142	234	7.110	ug/l #	40
11) Tert butyl alcohol	3.03	59	3060	14.473	ug/l #	84
13) Acrolein	2.27	56	345	Below Cal	#	12
16) Acetone	2.43	43	1150	2.186	ug/l	94
20) Methylene Chloride	2.84	84	7969	3.772	ug/l	94
29) Tetrahydrofuran	5.13	42	2920	7.236	ug/l	94
31) Cyclohexane	5.65	56	4441	1.646	ug/l #	17
36) 1,1-Dichloropropene	5.65	75	15211	6.122	ug/l #	48
38) Carbon Tetrachloride	5.65	117	18958	7.240	ug/l #	15
76) 1,2,3-Trichloropropane	11.14	75	65587	53.018	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.14	75	65587	125.344	ug/l #	10

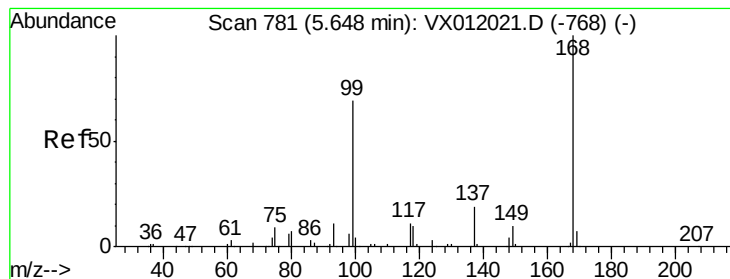
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012077.D

Acq: 05 Sep 2019 03:49

Instrument :

MSVOA_X

ClientSampleId :

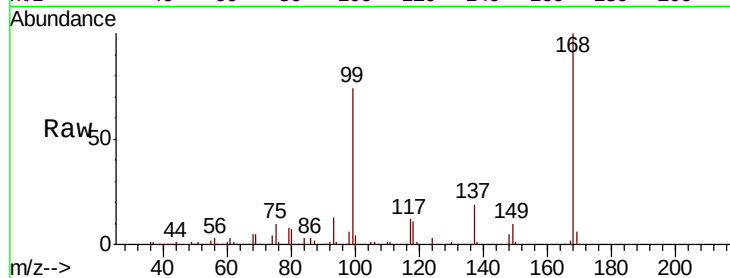
T3-S-B4-(0)

Tgt Ion:168 Resp: 159534

Ion Ratio Lower Upper

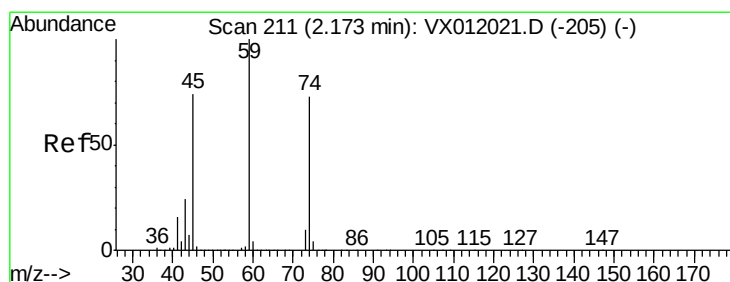
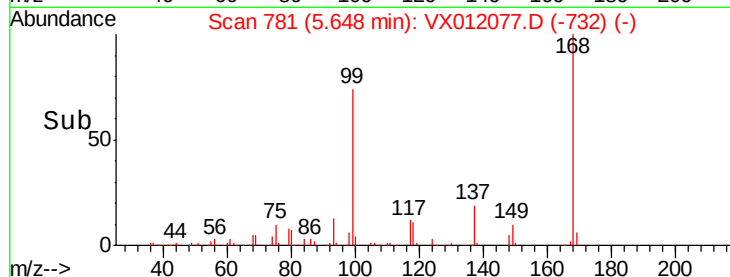
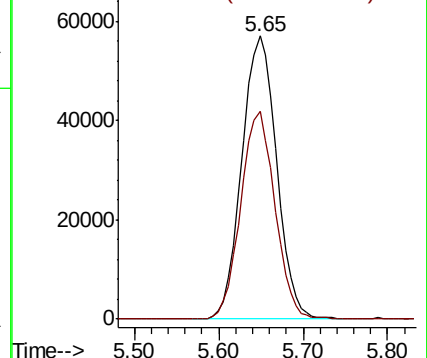
168 100

99 73.5 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#8

Diethyl Ether

Concen: 2.205 ug/l

RT: 2.17 min Scan# 210

Delta R.T. -0.01 min

Lab File: VX012077.D

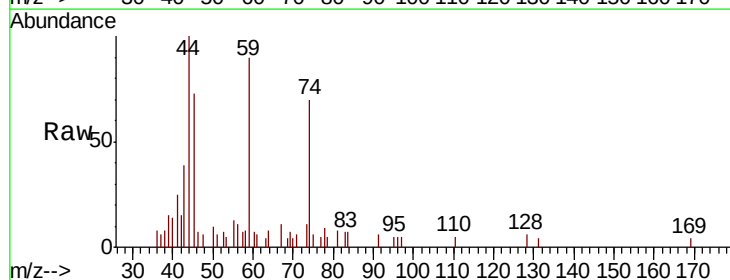
Acq: 05 Sep 2019 03:49

Tgt Ion: 74 Resp: 1678

Ion Ratio Lower Upper

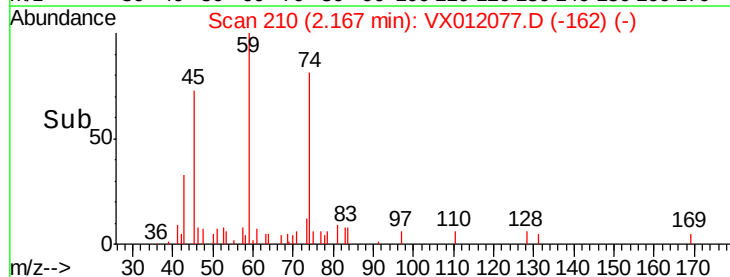
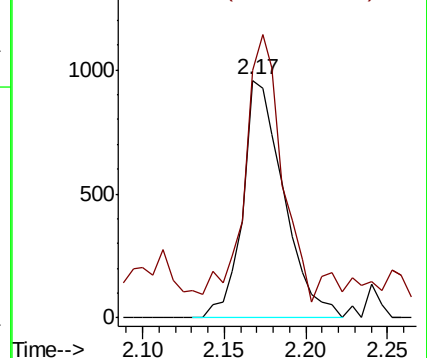
74 100

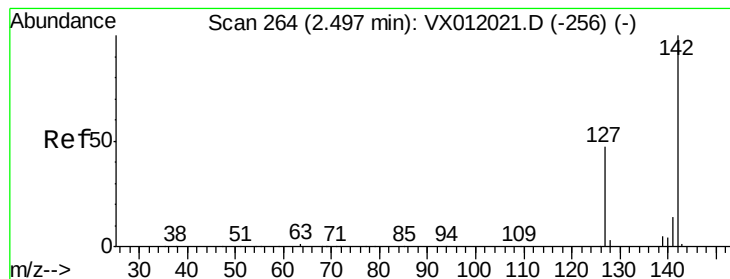
45 100.5 45.9 137.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#10

Methyl Iodide

Concen: 7.110 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX012077.D

Acq: 05 Sep 2019 03:49

Instrument :

MSVOA_X

ClientSampleId :

T3-S-B4-(0)

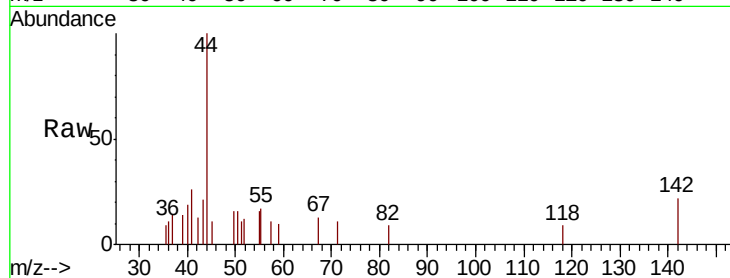
Tgt Ion:142 Resp: 234

Ion Ratio Lower Upper

142 100

127 0.0 35.4 53.2#

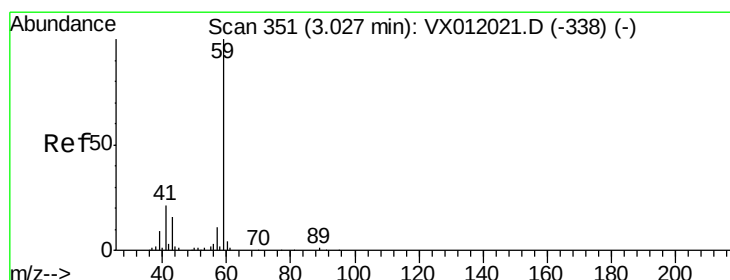
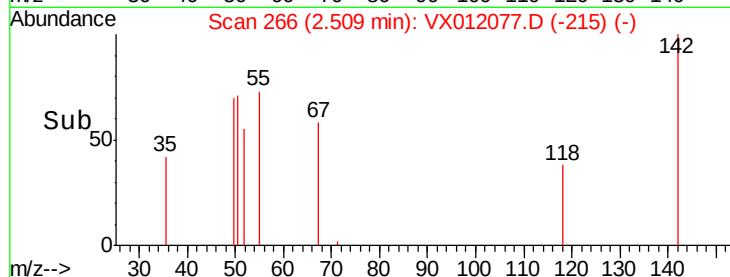
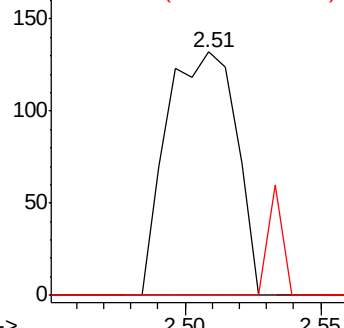
141 0.0 11.4 17.2#



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: 14.473 ug/l

RT: 3.03 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX012077.D

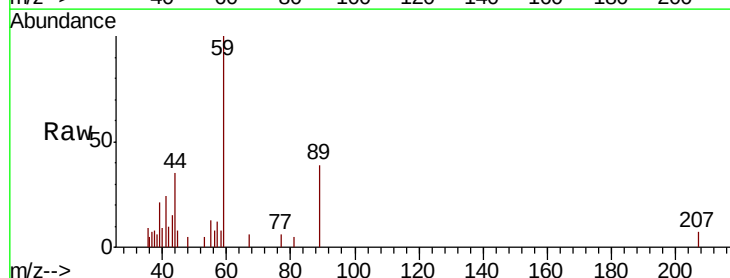
Acq: 05 Sep 2019 03:49

Tgt Ion: 59 Resp: 3060

Ion Ratio Lower Upper

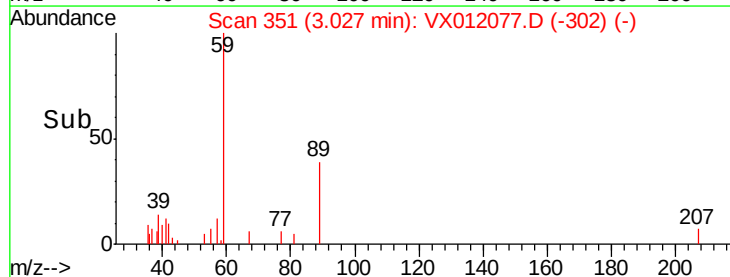
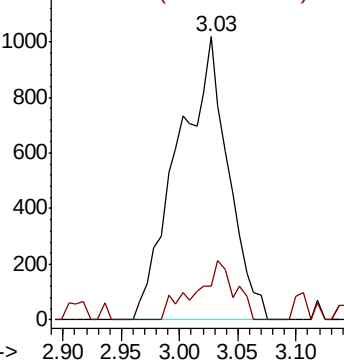
59 100

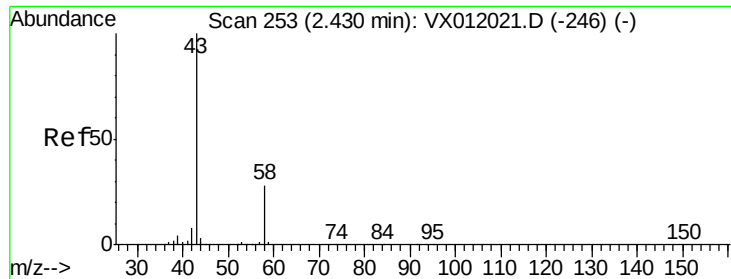
57 15.9 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 2.186 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012077.D

Acq: 05 Sep 2019 03:49

Instrument :

MSVOA_X

ClientSampled :

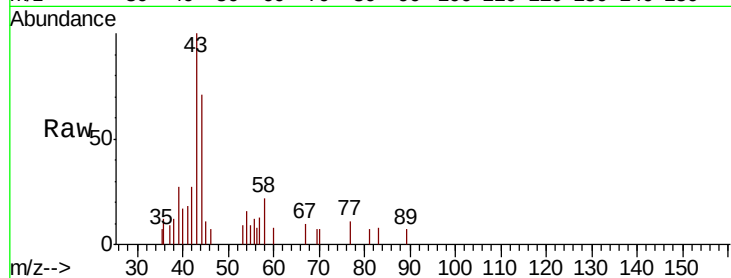
T3-S-B4-(0)

Tgt Ion: 43 Resp: 1150

Ion Ratio Lower Upper

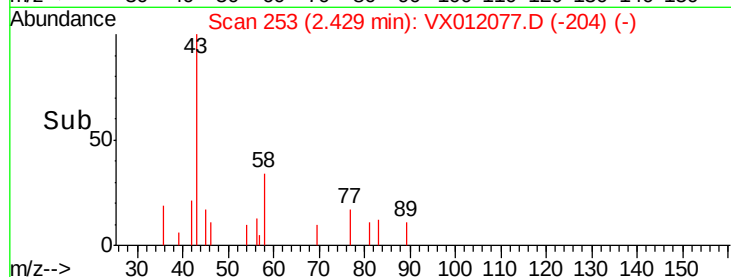
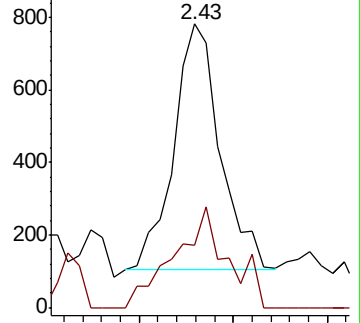
43 100

58 25.1 22.8 34.2

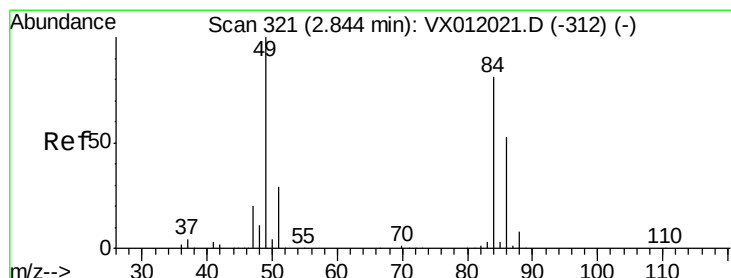


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#20

Methylene Chloride

Concen: 3.772 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX012077.D

Acq: 05 Sep 2019 03:49

Tgt Ion: 84 Resp: 7969

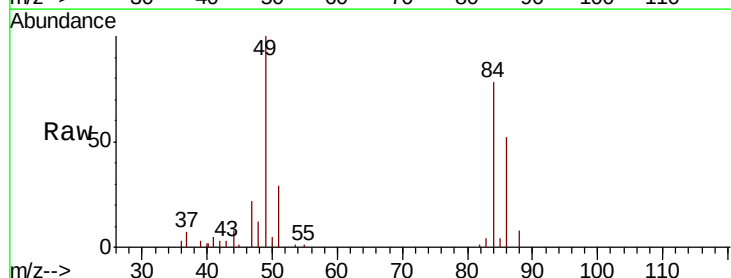
Ion Ratio Lower Upper

84 100

49 128.2 95.8 143.8

51 37.8 28.6 43.0

86 66.2 50.9 76.3

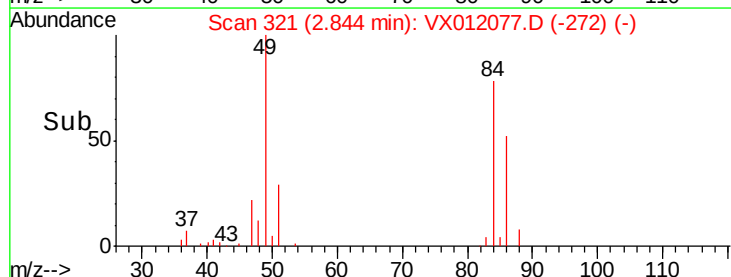
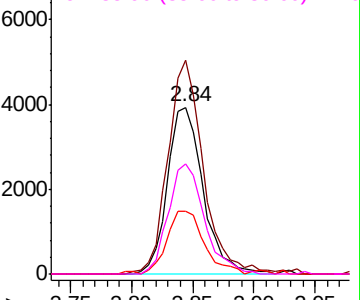


Abundance Ion 83.90 (83.60 to 84.60): VX0

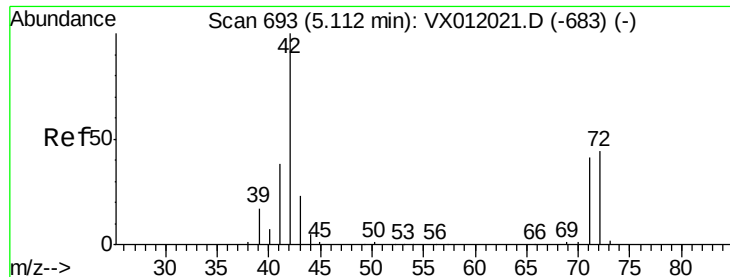
Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



Time-->



#29

Tetrahydrofuran

Concen: 7.236 ug/l

RT: 5.13 min Scan# 696

Delta R.T. 0.02 min

Lab File: VX012077.D

Acq: 05 Sep 2019 03:49

Instrument :

MSVOA_X

ClientSampleId :

T3-S-B4-(0)

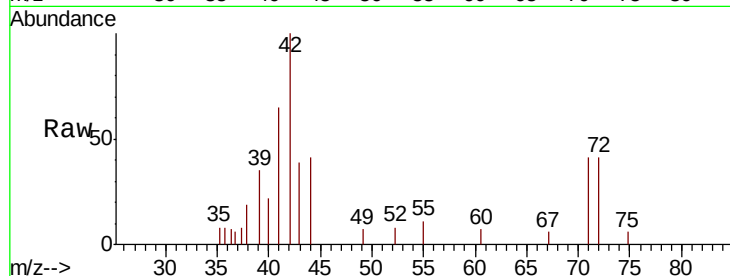
Tgt Ion: 42 Resp: 2920

Ion Ratio Lower Upper

42 100

72 40.7 37.0 55.4

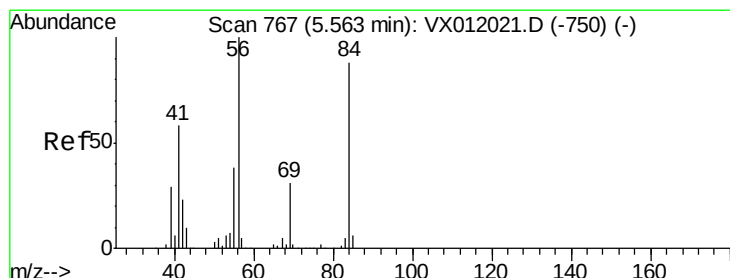
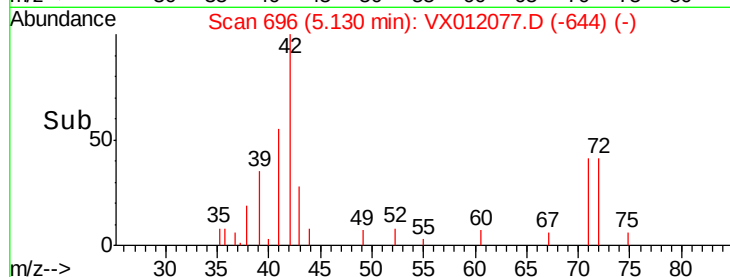
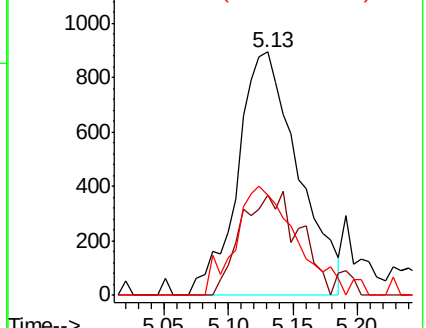
71 44.6 33.8 50.8



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#31

Cyclohexane

Concen: 1.646 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.09 min

Lab File: VX012077.D

Acq: 05 Sep 2019 03:49

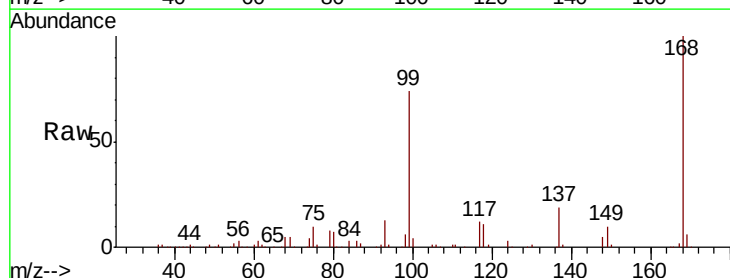
Tgt Ion: 56 Resp: 4441

Ion Ratio Lower Upper

56 100

69 178.2 25.7 38.5#

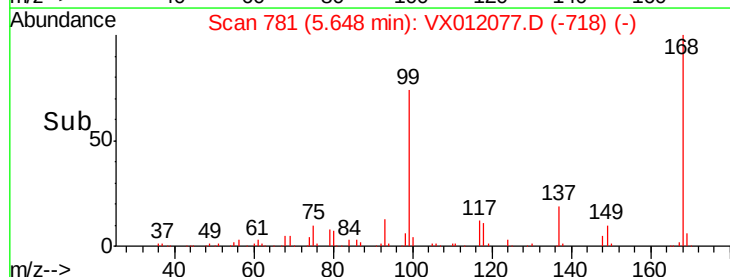
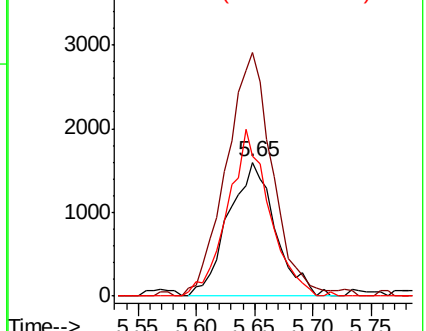
84 104.4 70.3 105.5

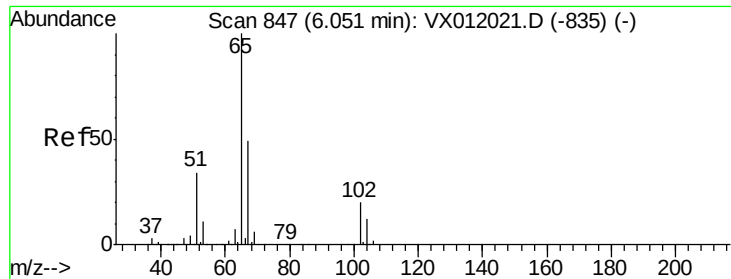


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

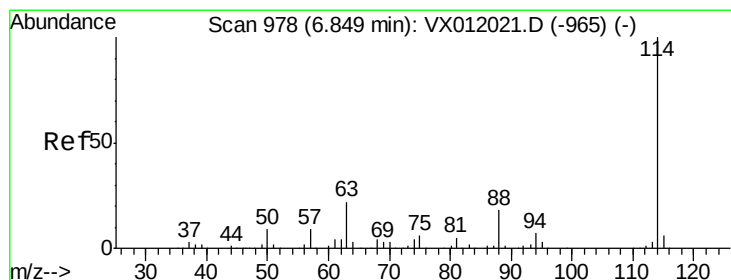
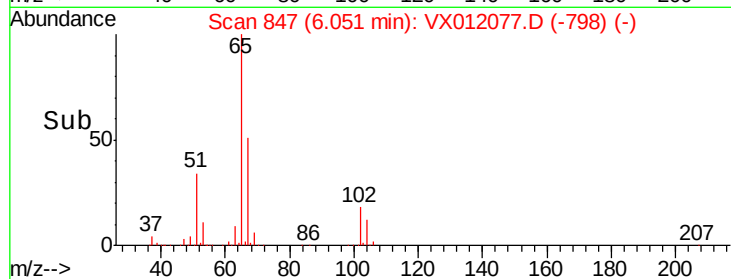
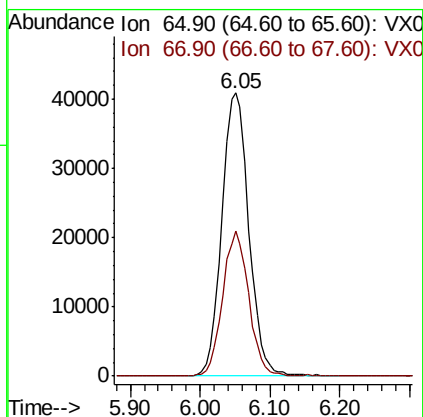
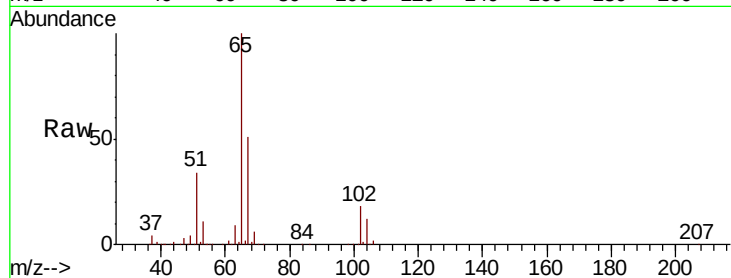




#33
 1,2-Dichloroethane-d4
 Concen: 49.730 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012077.D
 Acq: 05 Sep 2019 03:49

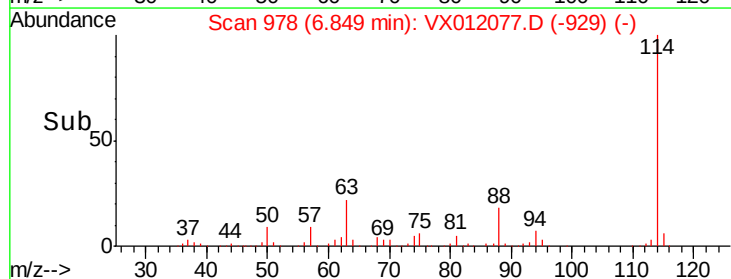
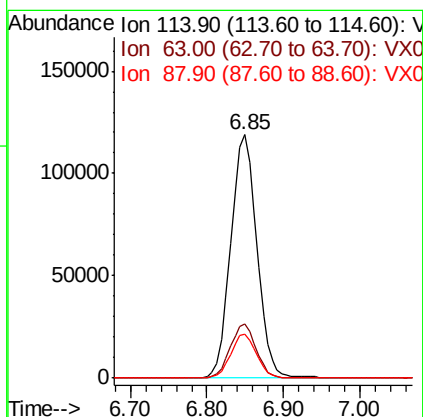
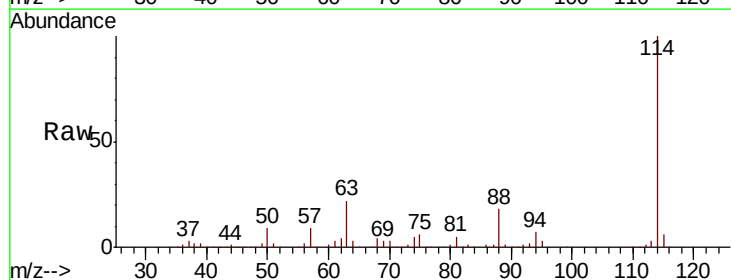
Instrument :
 MSVOA_X
 ClientSampleId :
 T3-S-B4-(0)

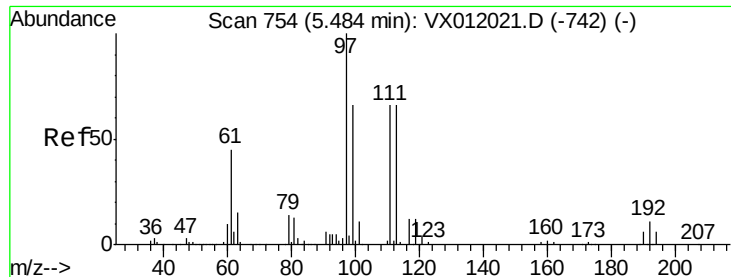
Tgt Ion: 65 Resp: 109469
 Ion Ratio Lower Upper
 65 100
 67 49.6 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012077.D
 Acq: 05 Sep 2019 03:49

Tgt Ion: 114 Resp: 282126
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 37.4
 88 17.8 0.0 29.6

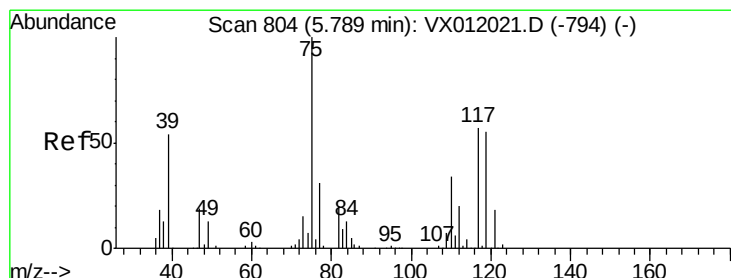
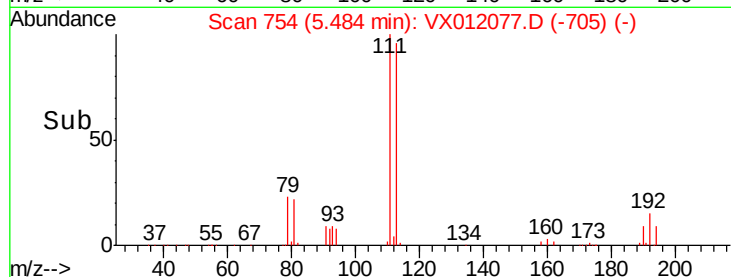
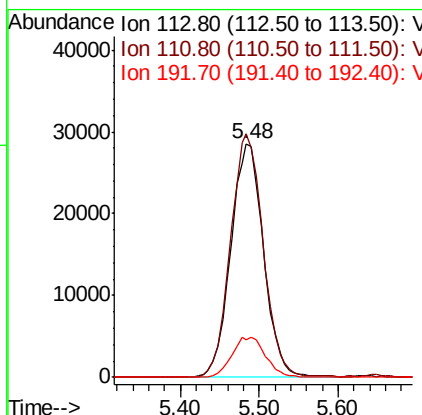
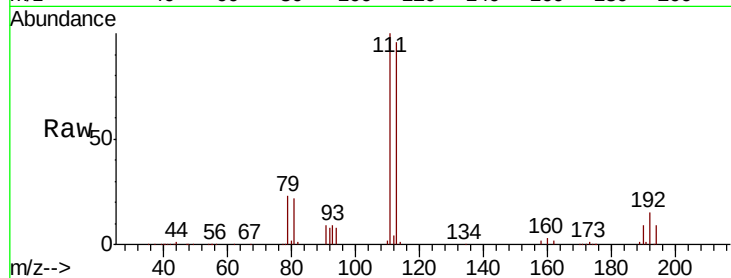




#35
 Dibromofluoromethane
 Concen: 47.466 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX012077.D
 Acq: 05 Sep 2019 03:49

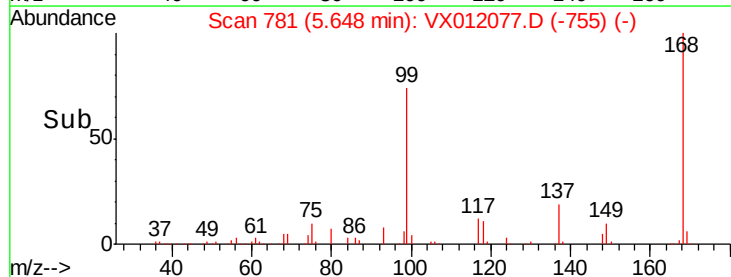
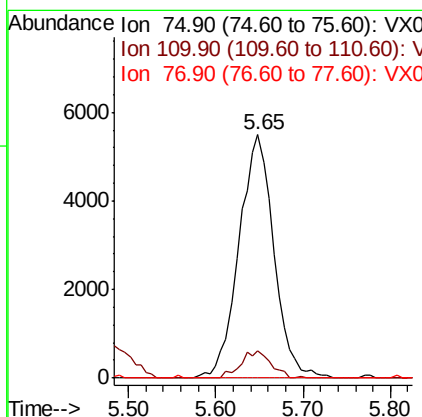
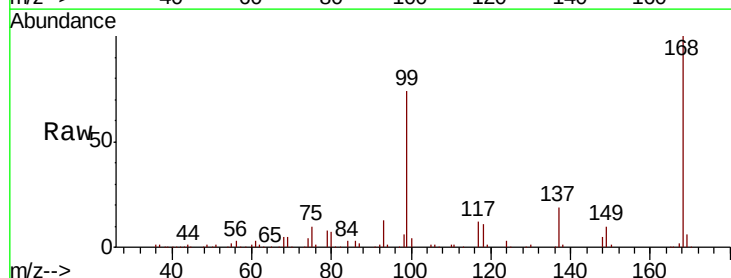
Instrument :
 MSVOA_X
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 T3-S-B4-(0)

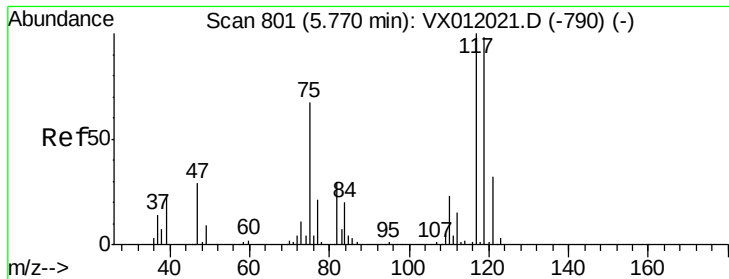
Tgt Ion:113 Resp: 82354
 Ion Ratio Lower Upper
 113 100
 111 104.0 81.7 122.5
 192 17.5 22.5 33.7#



#36
 1,1-Dichloropropene
 Concen: 6.122 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012077.D
 Acq: 05 Sep 2019 03:49

Tgt Ion: 75 Resp: 15211
 Ion Ratio Lower Upper
 75 100
 110 9.6 19.5 58.5#
 77 0.0 24.6 37.0#

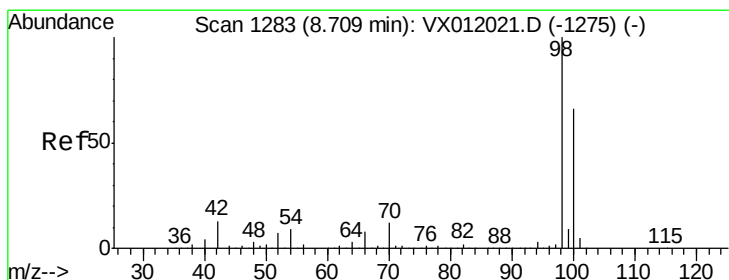
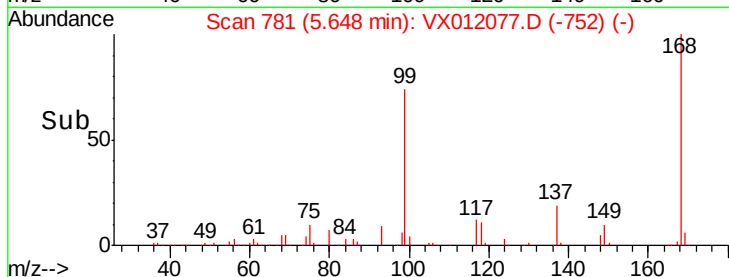
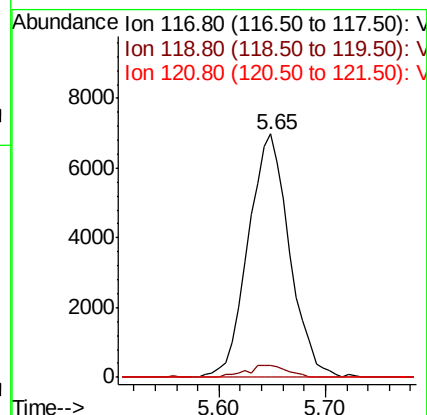
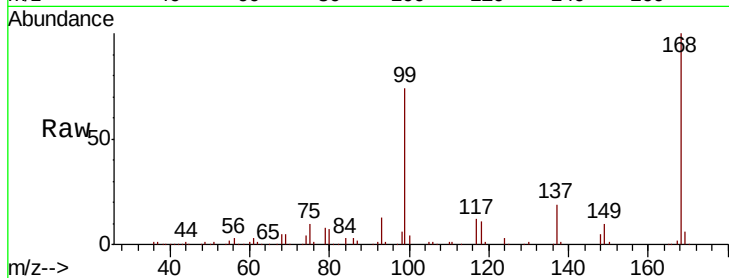




#38
Carbon Tetrachloride
Concen: 7.240 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.12 min
Lab File: VX012077.D
Acq: 05 Sep 2019 03:49

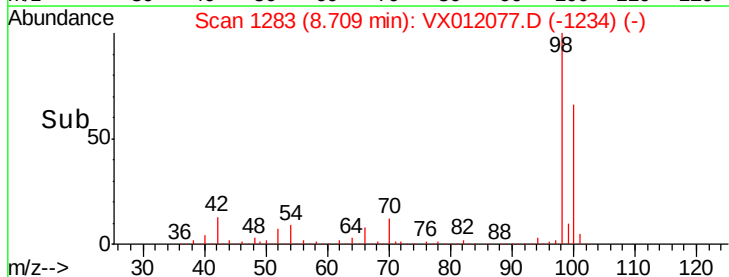
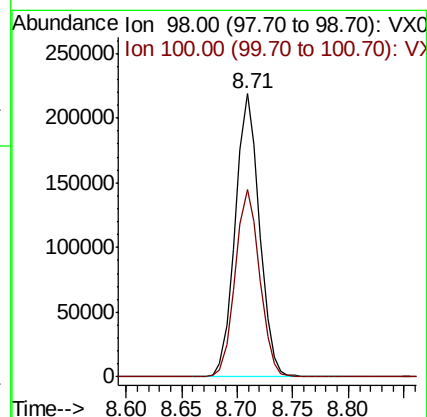
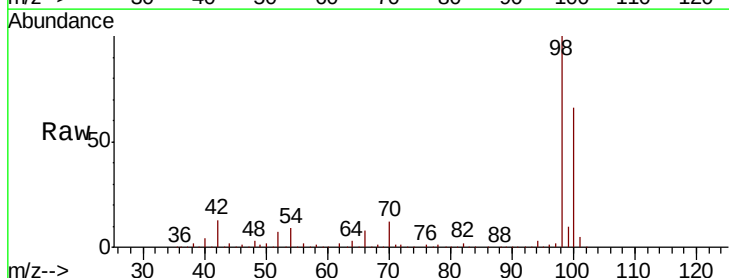
Instrument :
MSVOA_X
ClientSampleId :
T3-S-B4-(0)

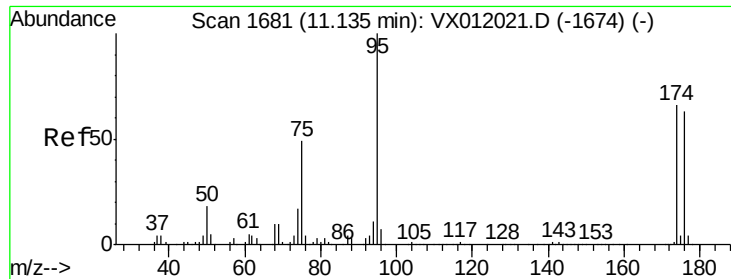
Tgt Ion: 117 Resp: 18958
Ion Ratio Lower Upper
117 100
119 4.9 78.3 117.5#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 51.828 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012077.D
Acq: 05 Sep 2019 03:49

Tgt Ion: 98 Resp: 329967
Ion Ratio Lower Upper
98 100
100 66.9 53.3 79.9

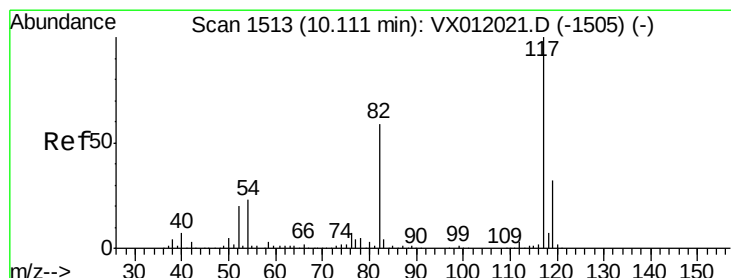
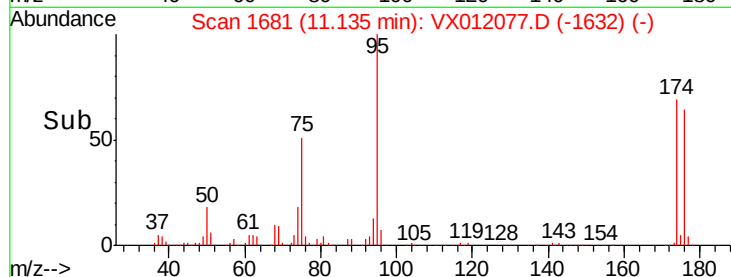
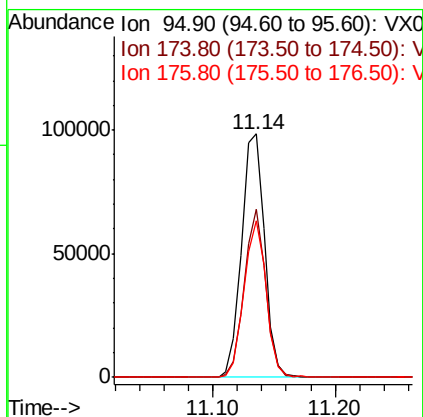
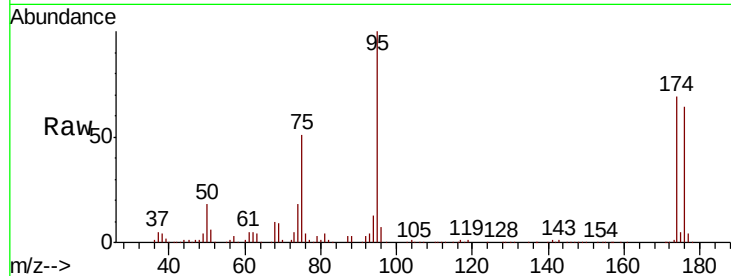




#62
4-Bromofluorobenzene
Concen: 43.304 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX012077.D
Acq: 05 Sep 2019 03:49

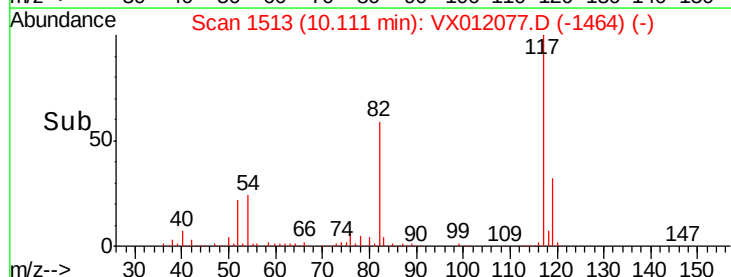
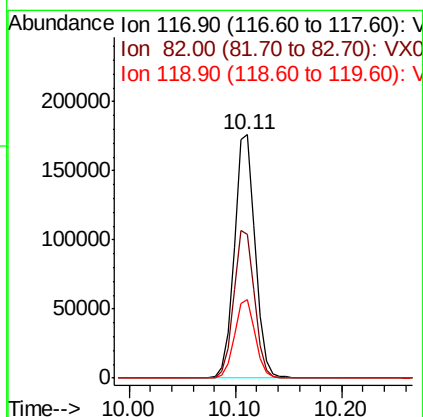
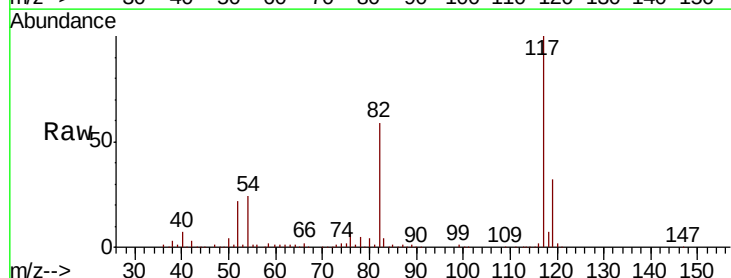
Instrument :
MSVOA_X
ClientSampleId :
T3-S-B4-(0)

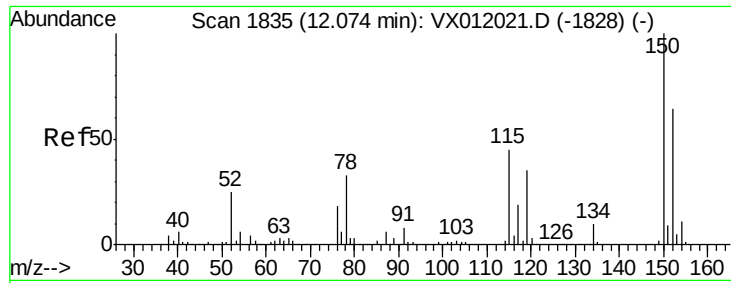
Tgt Ion: 95 Resp: 128216
Ion Ratio Lower Upper
95 100
174 64.3 0.0 205.4
176 61.8 0.0 201.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012077.D
Acq: 05 Sep 2019 03:49

Tgt Ion: 117 Resp: 241343
Ion Ratio Lower Upper
117 100
82 59.2 39.4 59.0#
119 32.0 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012077.D

Acq: 05 Sep 2019 03:49

Instrument :

MSVOA_X

ClientSampleId :

T3-S-B4-(0)

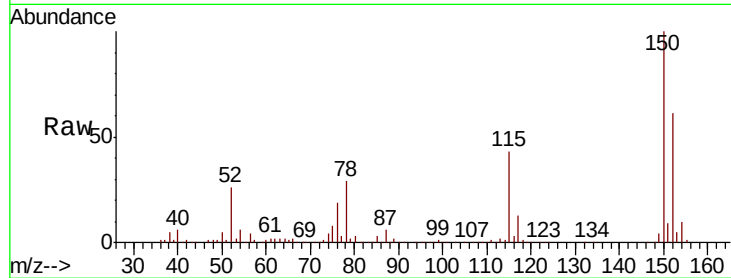
Tgt Ion:152 Resp: 101245

Ion Ratio Lower Upper

152 100

115 66.6 36.4 109.3

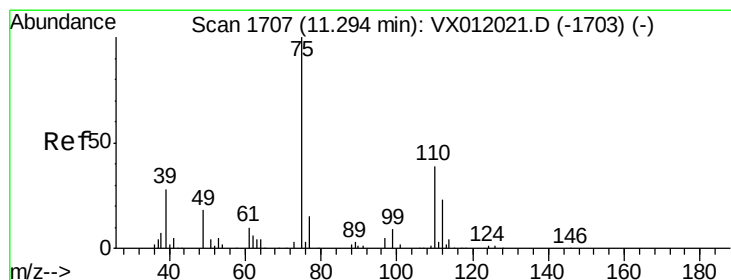
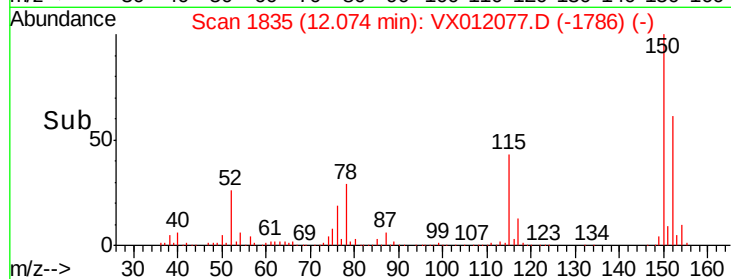
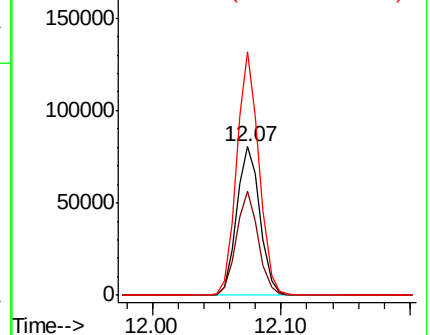
150 157.7 0.0 341.2



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



#76

1,2,3-Trichloropropane

Concen: 53.018 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012077.D

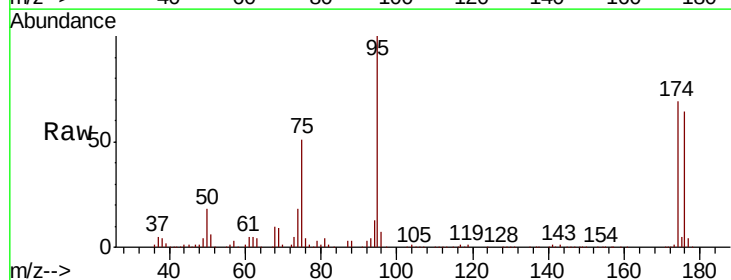
Acq: 05 Sep 2019 03:49

Tgt Ion: 75 Resp: 65587

Ion Ratio Lower Upper

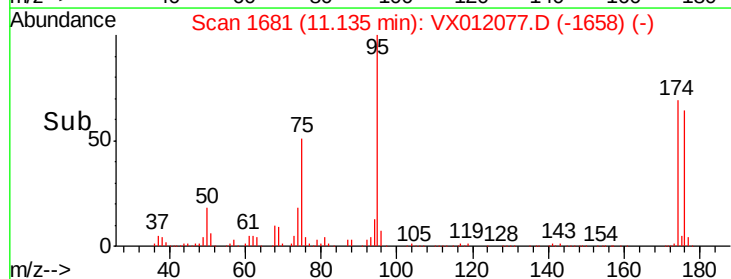
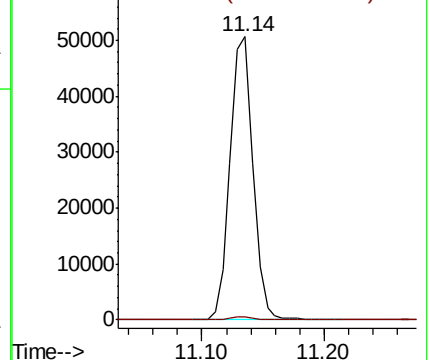
75 100

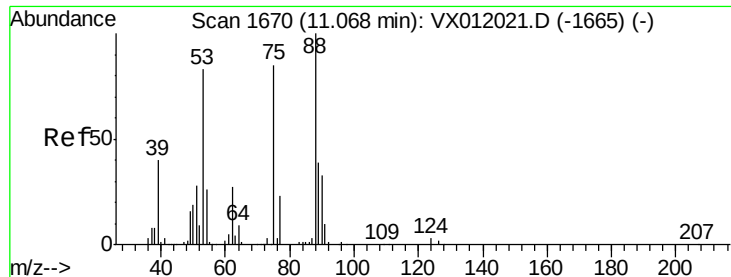
77 1.3 23.5 70.5#



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: 125.344 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012077.D

Acq: 05 Sep 2019 03:49

Instrument :

MSVOA_X

ClientSampleId :

T3-S-B4-(0)

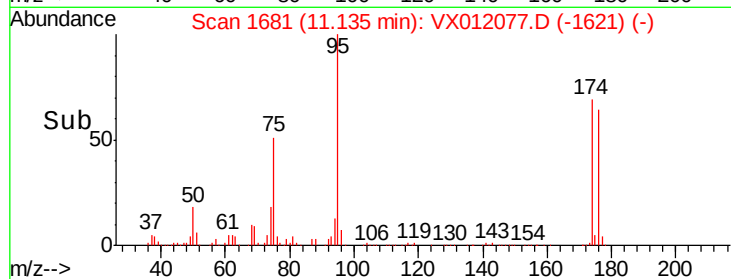
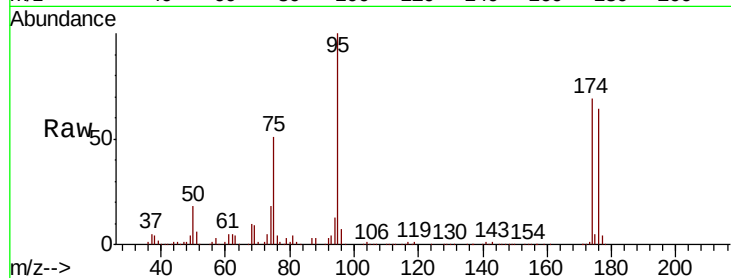
Tgt Ion: 75 Resp: 65587

Ion Ratio Lower Upper

75 100

53 0.1 78.6 117.8#

89 0.0 38.8 58.2#



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

