

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090419\
 Data File : VX012080.D
 Acq On : 05 Sep 2019 05:13
 Operator : SY/SP
 Sample : K4591-07
 Misc : 5.26g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-3-35-37

Quant Time: Sep 05 06:38:50 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	144007	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	248804	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	214348	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	95379	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	99099	49.87	ug/l	0.00
Spiked Amount			Recovery	=	99.74%	
35) Dibromofluoromethane	5.48	113	73764	48.21	ug/l	0.00
Spiked Amount			Recovery	=	96.42%	
50) Toluene-d8	8.71	98	296850	52.87	ug/l	0.00
Spiked Amount			Recovery	=	105.74%	
62) 4-Bromofluorobenzene	11.14	95	115665	44.30	ug/l	0.00
Spiked Amount			Recovery	=	88.60%	

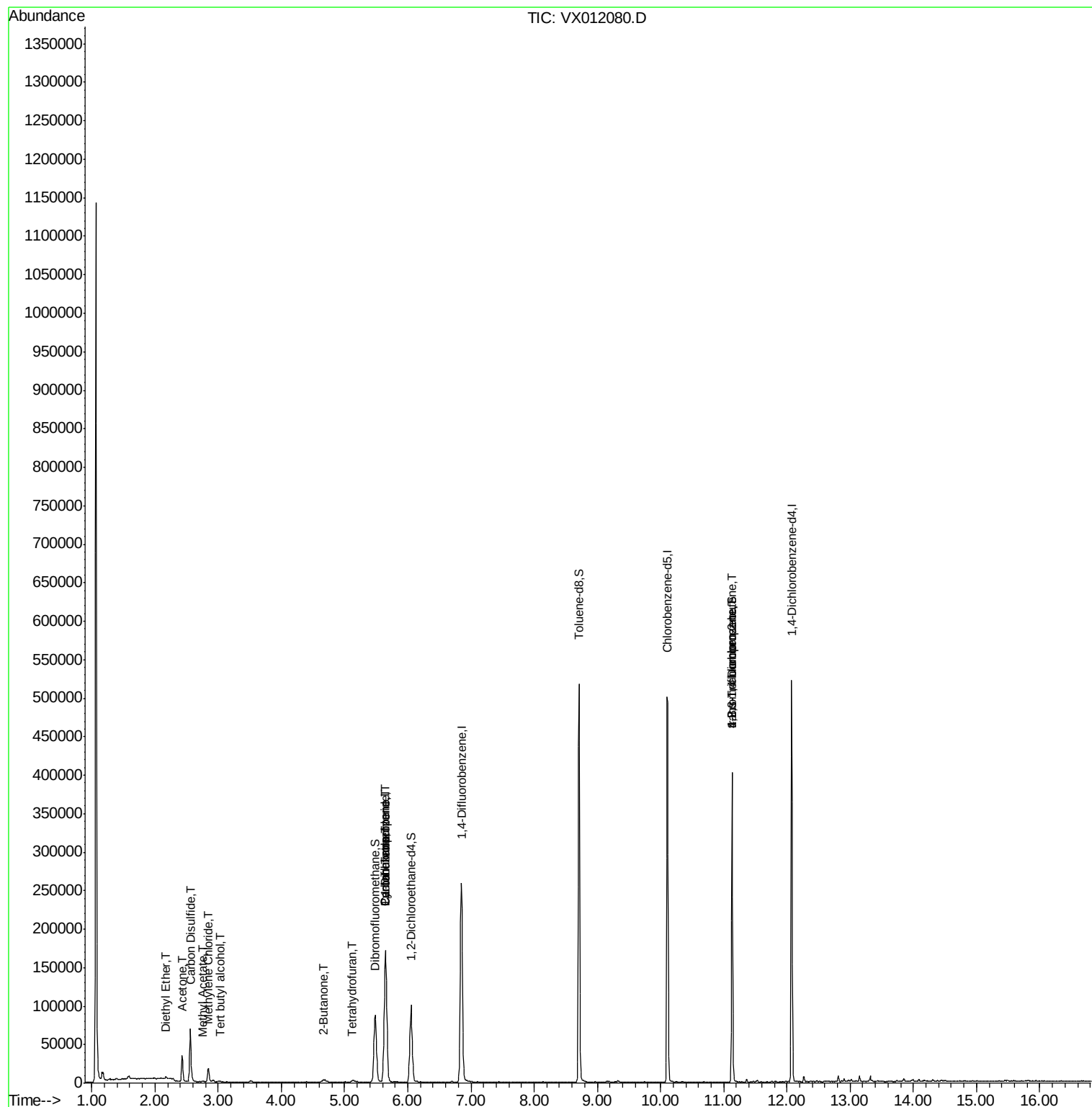
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	973	1.417	ug/l	100
11) Tert butyl alcohol	3.03	59	1361	7.131	ug/l #	82
13) Acrolein	2.28	56	553	Below Cal	#	72
16) Acetone	2.43	43	35519	74.787	ug/l	98
17) Carbon Disulfide	2.56	76	85871	20.721	ug/l	100
18) Methyl Acetate	2.76	43	1268	1.133	ug/l	90
20) Methylene Chloride	2.84	84	8237	4.319	ug/l	91
25) 2-Butanone	4.67	43	3881	6.420	ug/l	90
29) Tetrahydrofuran	5.12	42	2620	7.193	ug/l	93
31) Cyclohexane	5.65	56	4292	1.762	ug/l #	16
36) 1,1-Dichloropropene	5.64	75	13400	6.115	ug/l #	50
38) Carbon Tetrachloride	5.65	117	16940	7.336	ug/l #	15
76) 1,2,3-Trichloropropane	11.14	75	59881	51.383	ug/l #	31
81) trans-1,4-Dichloro-2-buten	11.14	75	59881	121.477	ug/l #	10

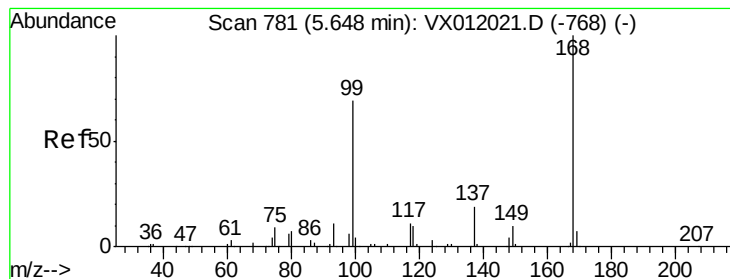
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX090419\
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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: VX012080.D

Acq: 05 Sep 2019 05:13

Instrument :

MSVOA_X

ClientSampleId :

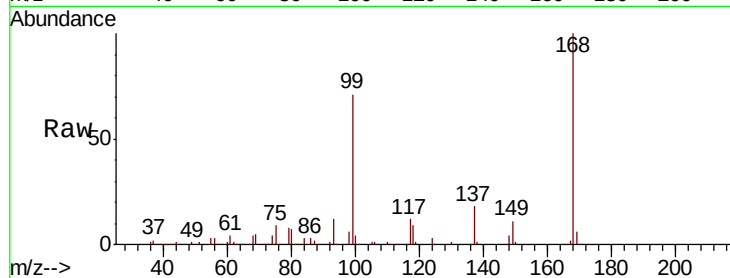
SB-3-35-37

Tgt Ion:168 Resp: 144007

Ion Ratio Lower Upper

168 100

99 71.2 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

50000

40000

30000

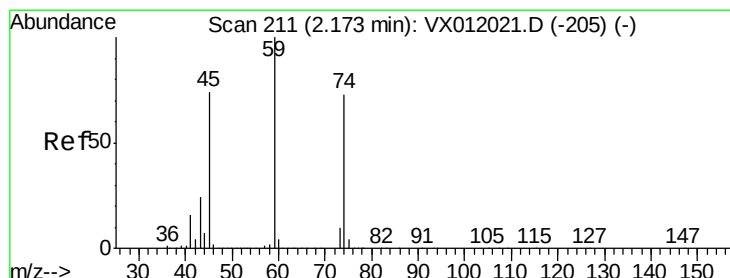
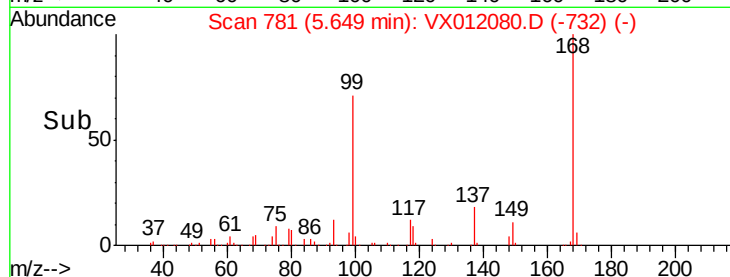
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#8

Diethyl Ether

Concen: 1.417 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX012080.D

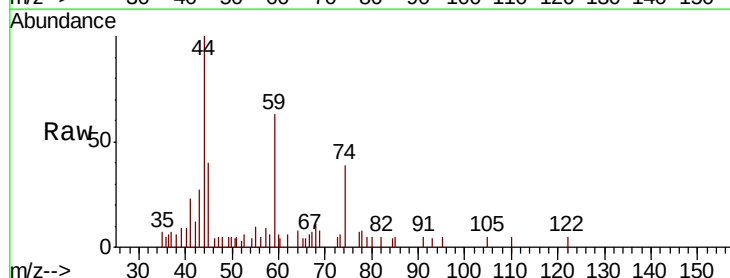
Acq: 05 Sep 2019 05:13

Tgt Ion: 74 Resp: 973

Ion Ratio Lower Upper

74 100

45 92.1 45.9 137.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.17

600

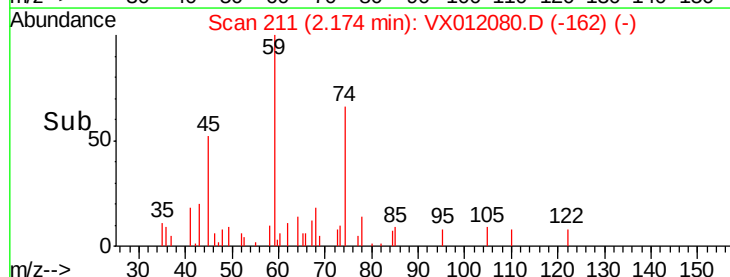
400

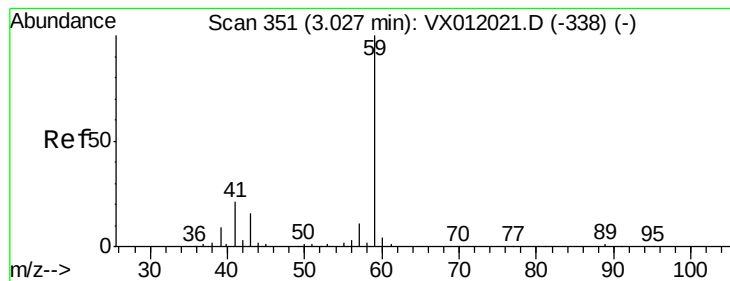
200

0

Time-->

2.15 2.20





#11

Tert butyl alcohol

Concen: 7.131 ug/l

RT: 3.03 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX012080.D

Acq: 05 Sep 2019 05:13

Instrument :

MSVOA_X

ClientSampled :

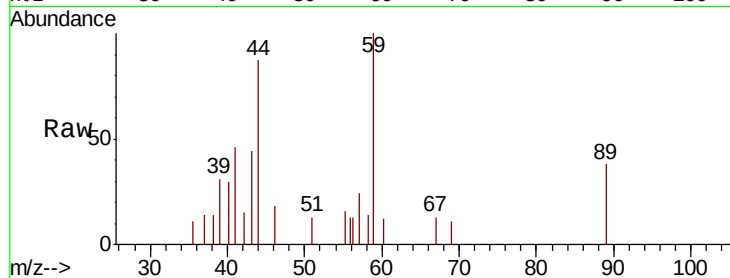
SB-3-35-37

Tgt Ion: 59 Resp: 1361

Ion Ratio Lower Upper

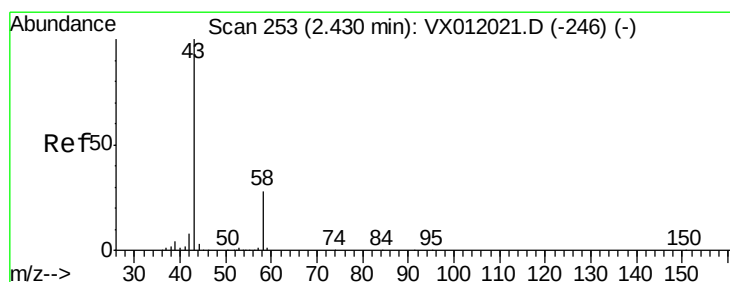
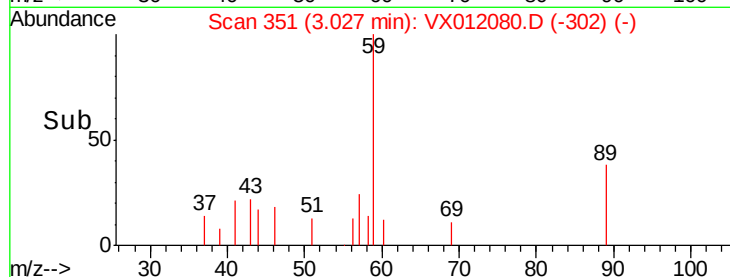
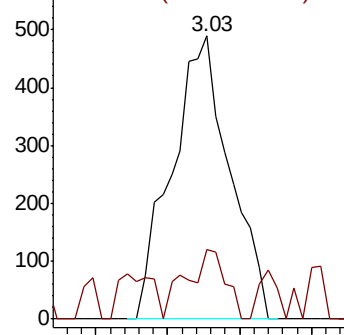
59 100

57 16.7 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: 74.787 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012080.D

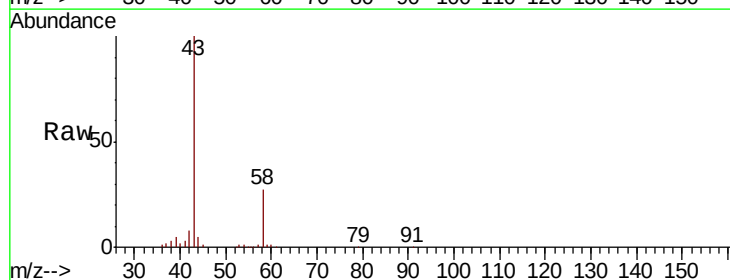
Acq: 05 Sep 2019 05:13

Tgt Ion: 43 Resp: 35519

Ion Ratio Lower Upper

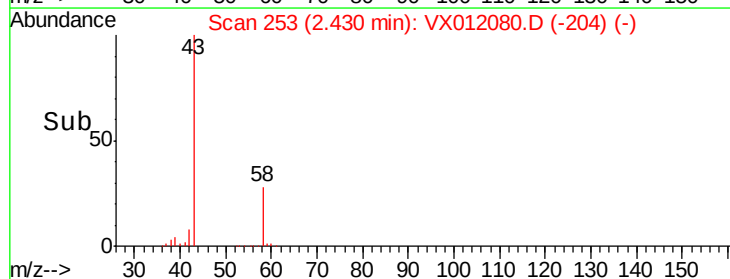
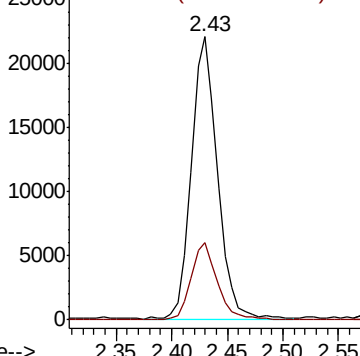
43 100

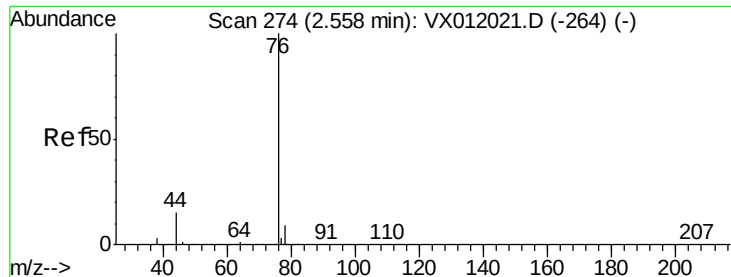
58 27.5 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 20.721 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.00 min

Lab File: VX012080.D

Acq: 05 Sep 2019 05:13

Instrument :

MSVOA_X

ClientSampleId :

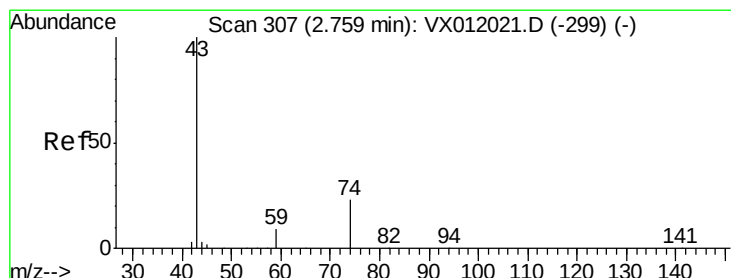
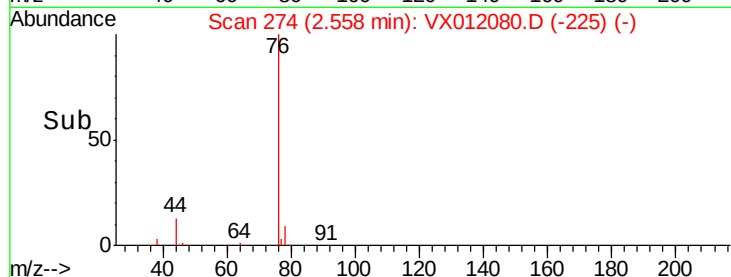
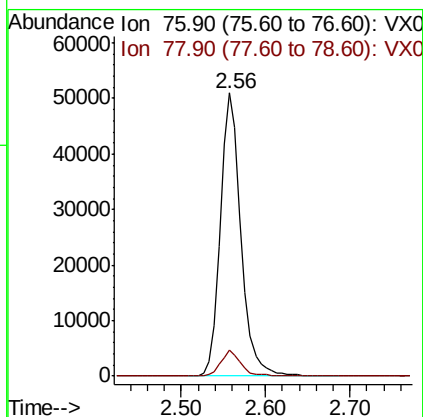
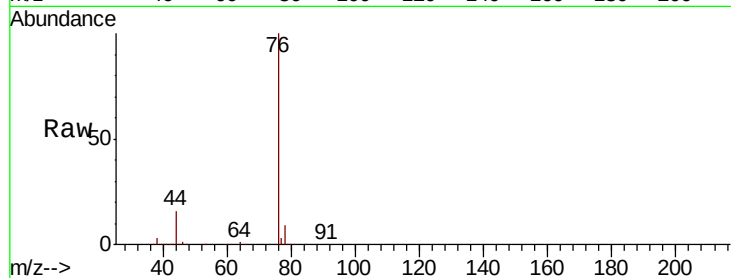
SB-3-35-37

Tgt Ion: 76 Resp: 85871

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2



#18

Methyl Acetate

Concen: 1.133 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.00 min

Lab File: VX012080.D

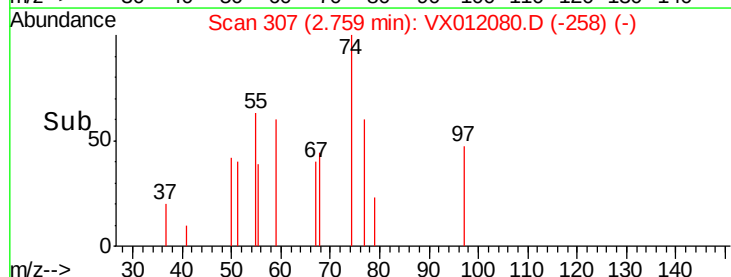
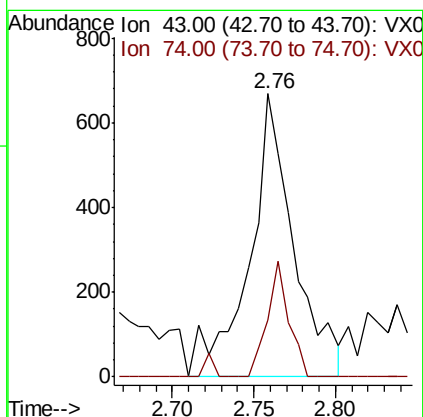
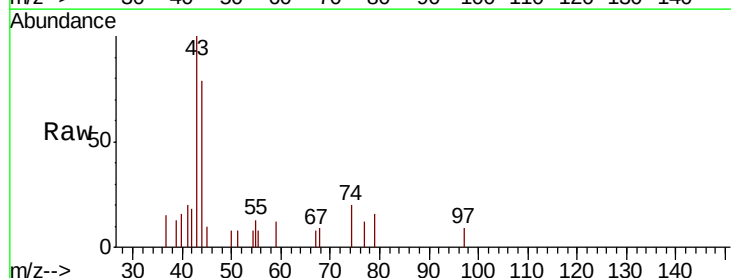
Acq: 05 Sep 2019 05:13

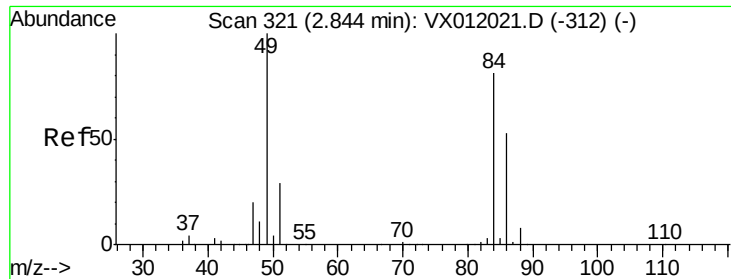
Tgt Ion: 43 Resp: 1268

Ion Ratio Lower Upper

43 100

74 19.6 19.5 29.3

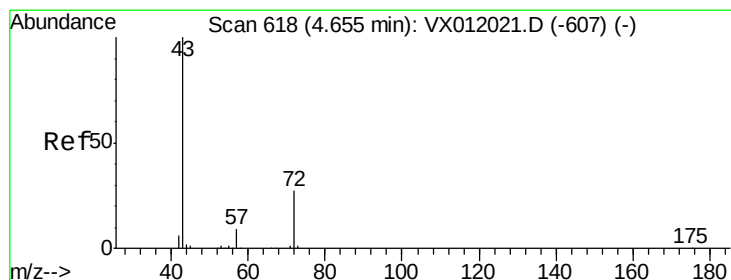
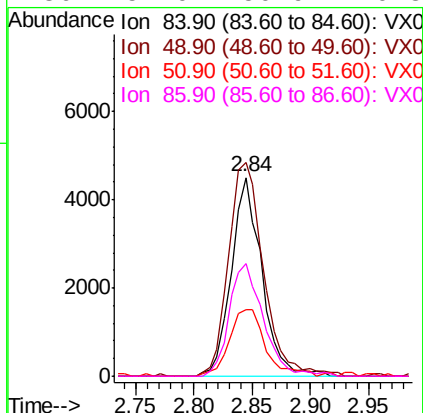
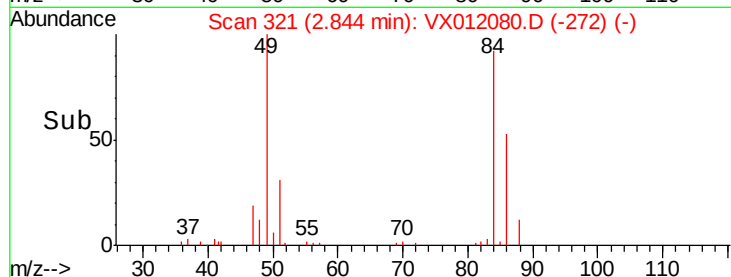
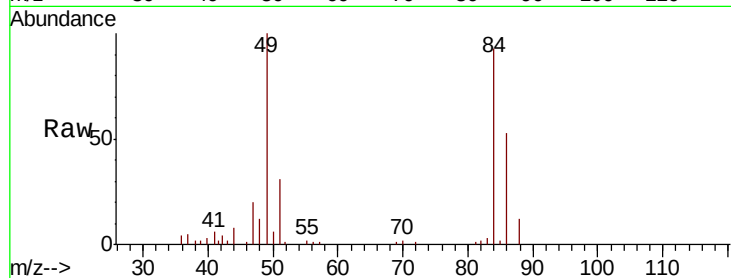




#20
Methylene Chloride
Concen: 4.319 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX012080.D
Acq: 05 Sep 2019 05:13

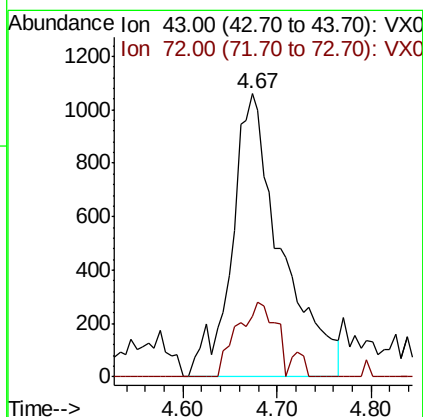
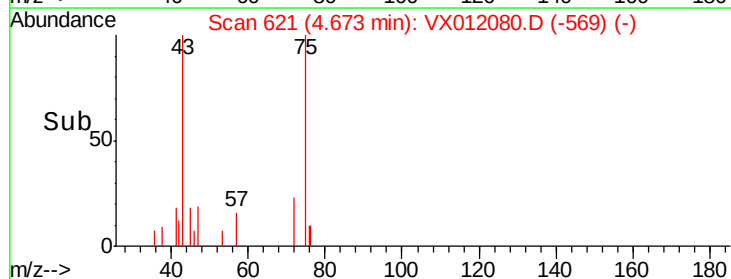
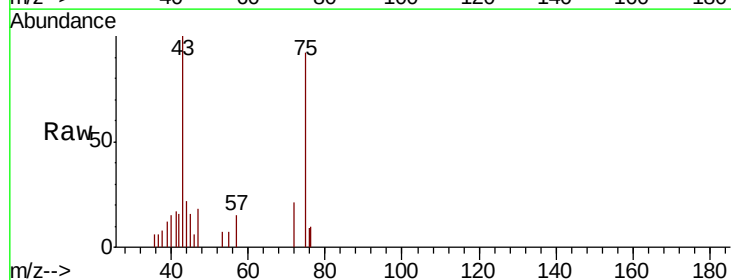
Instrument :
MSVOA_X
ClientSampled :
SB-3-35-37

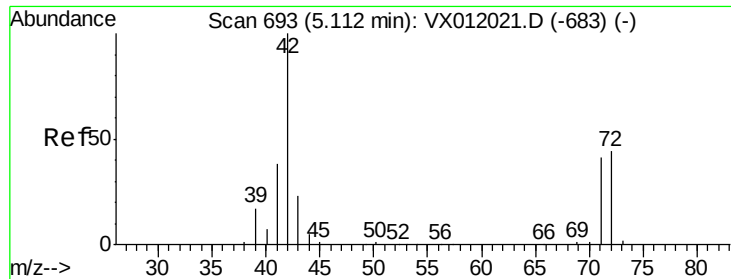
Tgt Ion:	84	Resp:	8237
Ion	Ratio	Lower	Upper
84	100		
49	107.5	95.8	143.8
51	33.8	28.6	43.0
86	57.0	50.9	76.3



#25
2-Butanone
Concen: 6.420 ug/l
RT: 4.67 min Scan# 621
Delta R.T. 0.02 min
Lab File: VX012080.D
Acq: 05 Sep 2019 05:13

Tgt Ion:	43	Resp:	3881
Ion	Ratio	Lower	Upper
43	100		
72	21.4	21.3	31.9

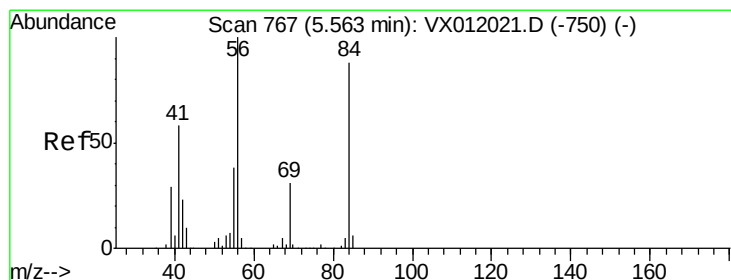
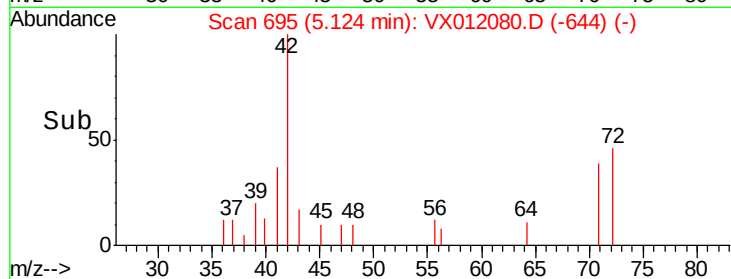
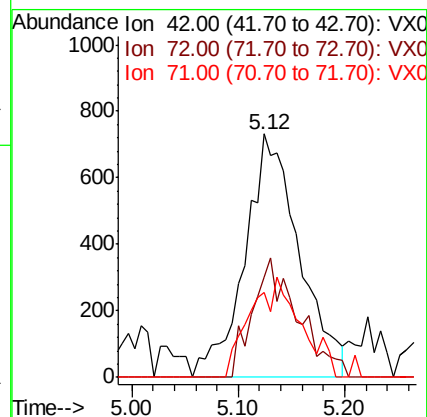
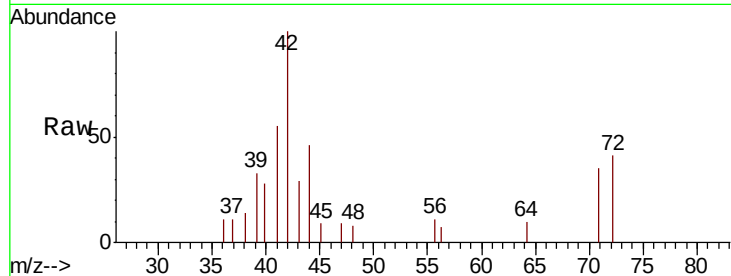




#29
Tetrahydrofuran
Concen: 7.193 ug/l
RT: 5.12 min Scan# 695
Delta R.T. 0.01 min
Lab File: VX012080.D
Acq: 05 Sep 2019 05:13

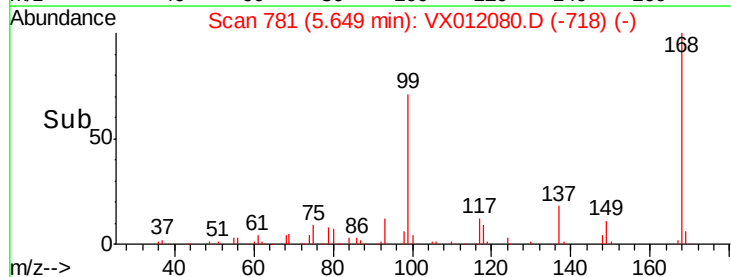
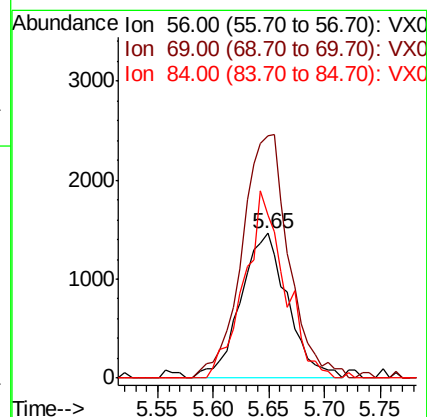
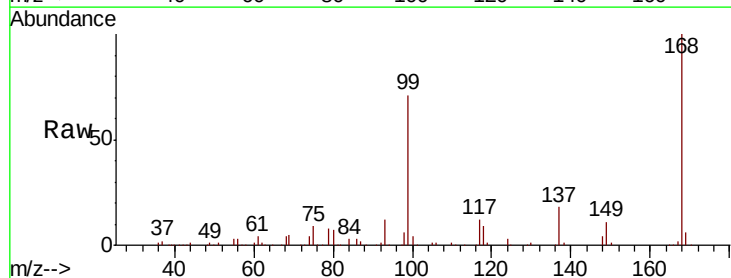
Instrument :
MSVOA_X
ClientSampled :
SB-3-35-37

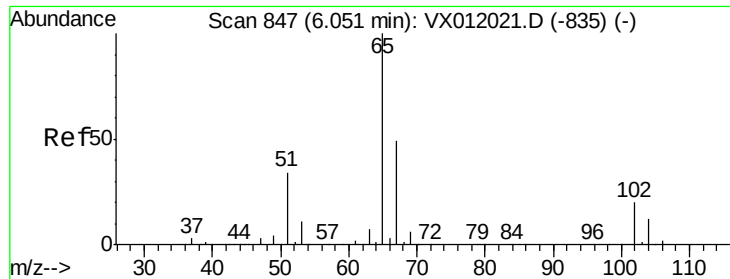
Tgt Ion: 42 Resp: 2620
Ion Ratio Lower Upper
42 100
72 41.0 37.0 55.4
71 38.4 33.8 50.8



#31
Cyclohexane
Concen: 1.762 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.09 min
Lab File: VX012080.D
Acq: 05 Sep 2019 05:13

Tgt Ion: 56 Resp: 4292
Ion Ratio Lower Upper
56 100
69 167.7 25.7 38.5#
84 112.2 70.3 105.5#

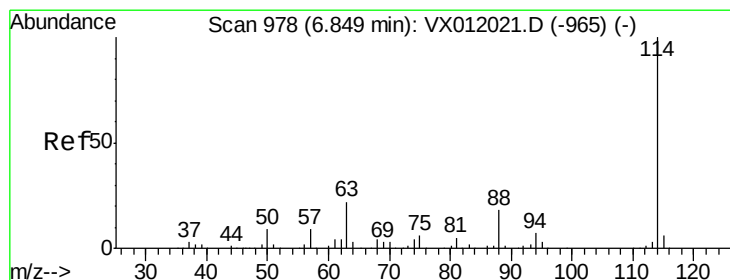
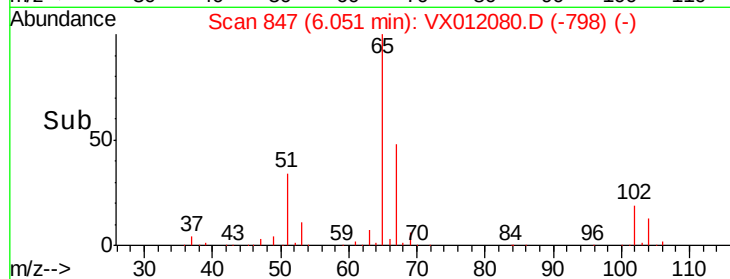
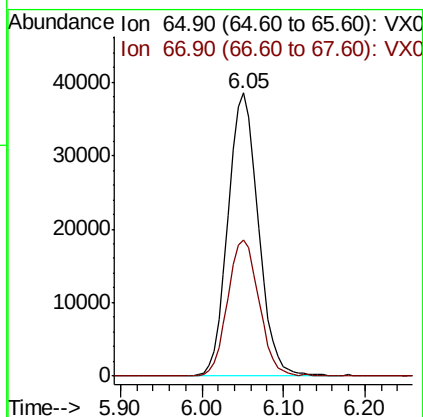
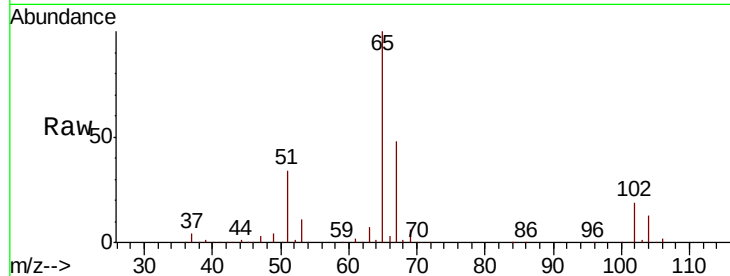




#33
 1,2-Dichloroethane-d4
 Concen: 49.873 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012080.D
 Acq: 05 Sep 2019 05:13

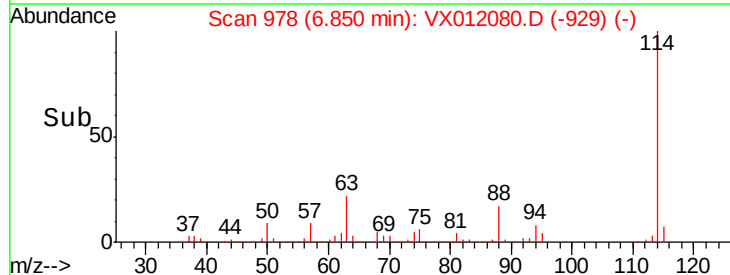
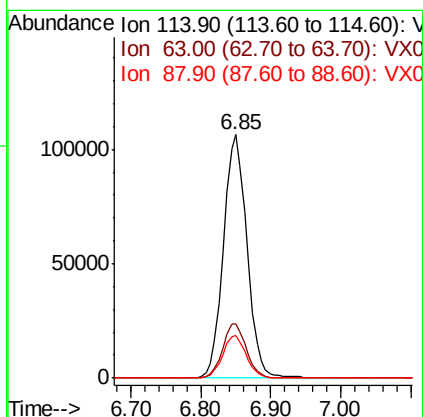
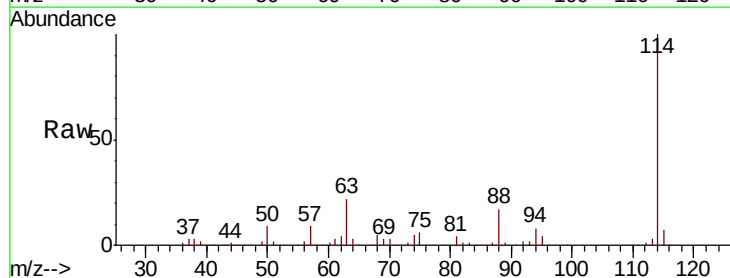
Instrument :
 MSVOA_X
 ClientSampleId :
 SB-3-35-37

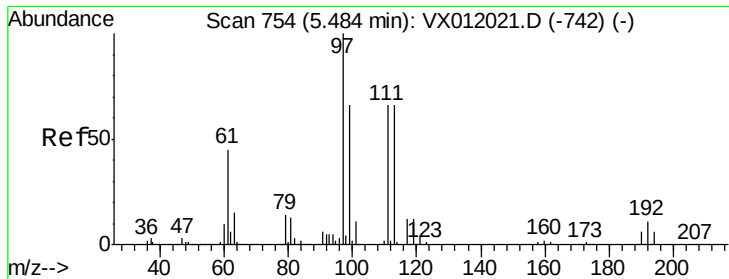
Tgt Ion: 65 Resp: 99099
 Ion Ratio Lower Upper
 65 100
 67 49.6 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012080.D
 Acq: 05 Sep 2019 05:13

Tgt Ion: 114 Resp: 248804
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 37.4
 88 17.4 0.0 29.6





#35

Dibromofluoromethane

Concen: 48.209 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012080.D

Acq: 05 Sep 2019 05:13

Instrument :

MSVOA_X

ClientSampleId :

SB-3-35-37

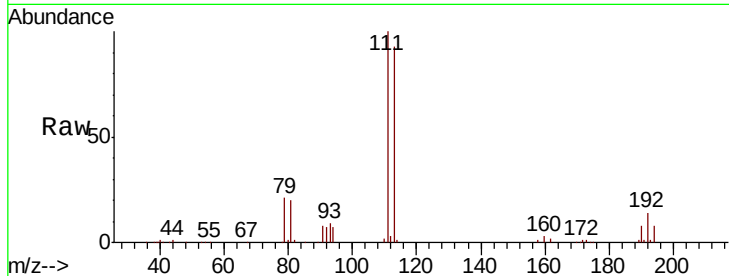
Tgt Ion:113 Resp: 73764

Ion Ratio Lower Upper

113 100

111 103.0 81.7 122.5

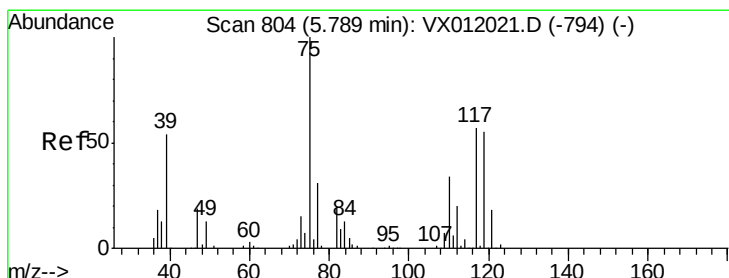
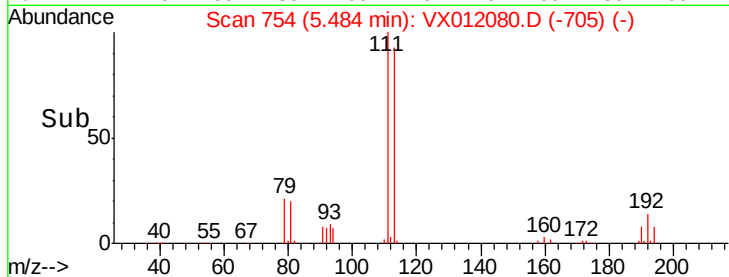
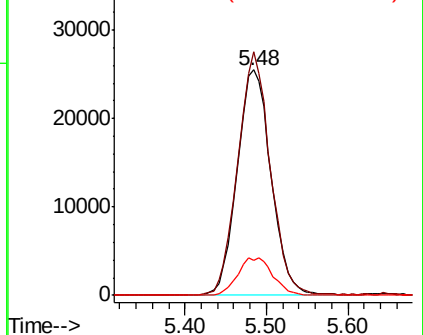
192 17.4 22.5 33.7#



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: 6.115 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.15 min

Lab File: VX012080.D

Acq: 05 Sep 2019 05:13

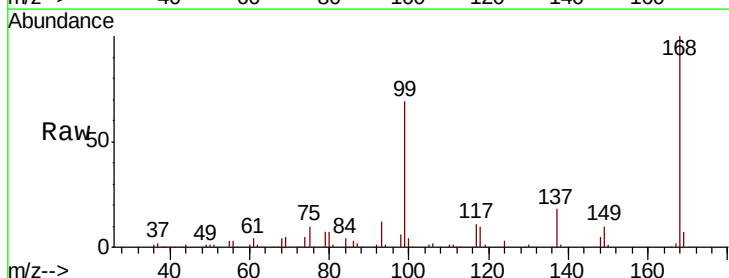
Tgt Ion: 75 Resp: 13400

Ion Ratio Lower Upper

75 100

110 10.9 19.5 58.5#

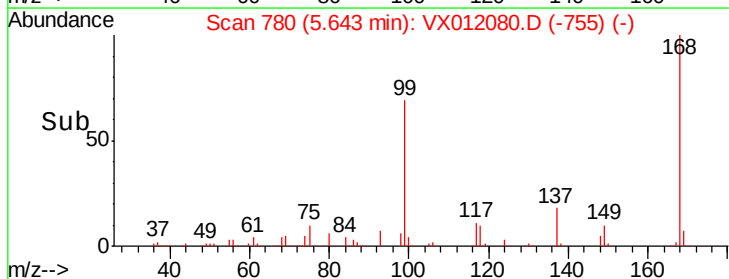
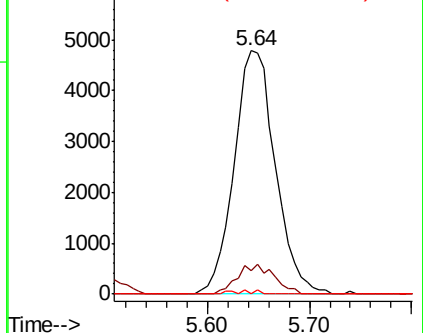
77 0.4 24.6 37.0#

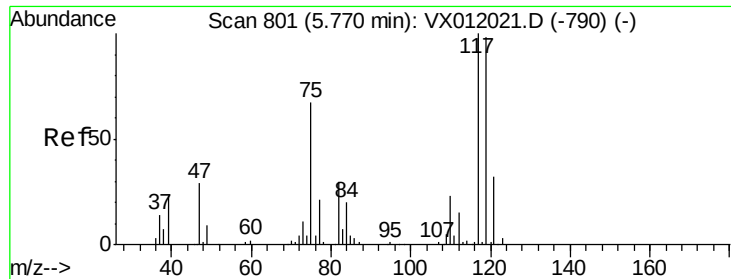


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.336 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.12 min

Lab File: VX012080.D

Acq: 05 Sep 2019 05:13

Instrument :

MSVOA_X

ClientSampleId :

SB-3-35-37

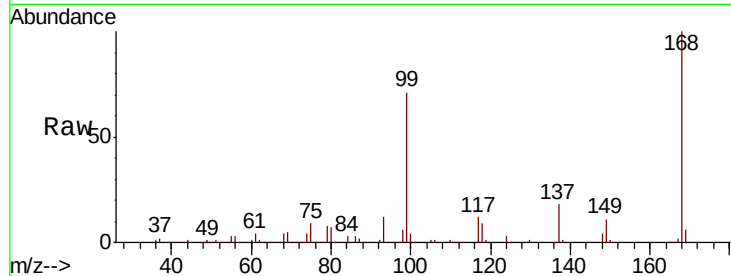
Tgt Ion:117 Resp: 16940

Ion Ratio Lower Upper

117 100

119 5.0 78.3 117.5#

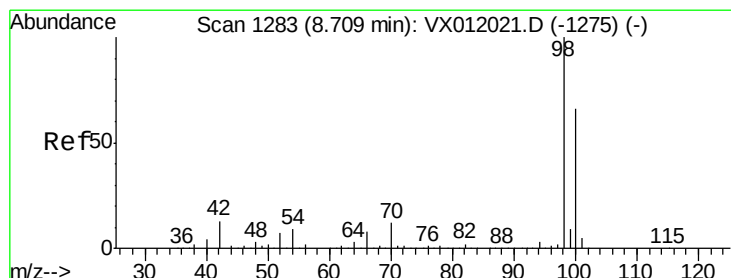
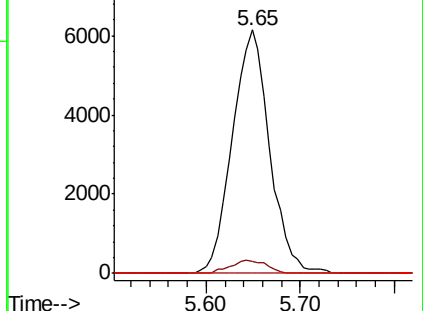
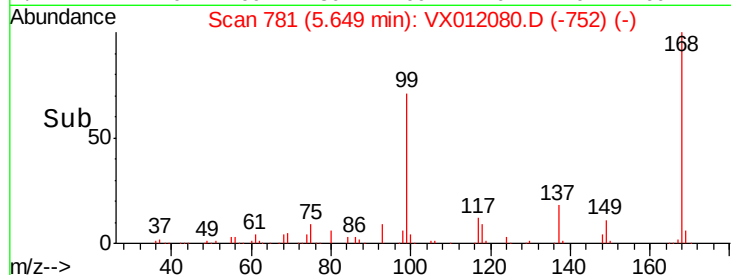
121 0.0 24.2 36.2#



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: 52.870 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX012080.D

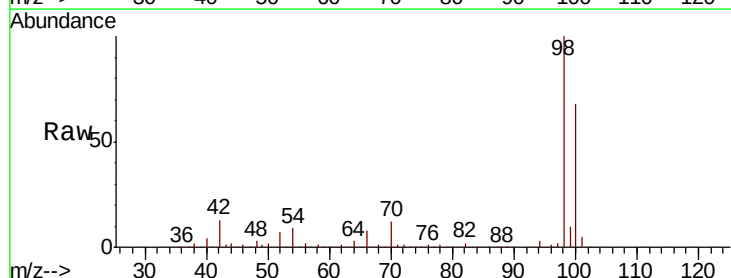
Acq: 05 Sep 2019 05:13

Tgt Ion: 98 Resp: 296850

Ion Ratio Lower Upper

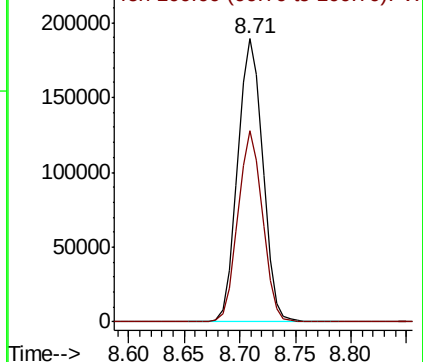
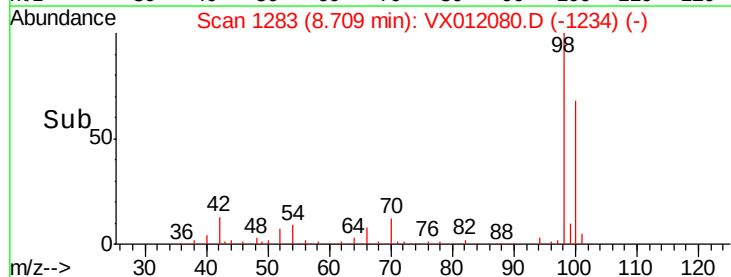
98 100

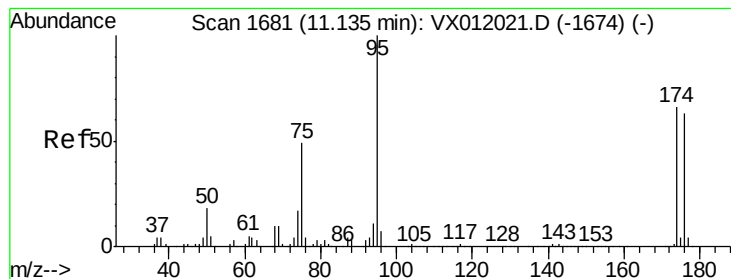
100 66.2 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 44.296 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012080.D

Acq: 05 Sep 2019 05:13

Instrument :

MSVOA_X

ClientSampleId :

SB-3-35-37

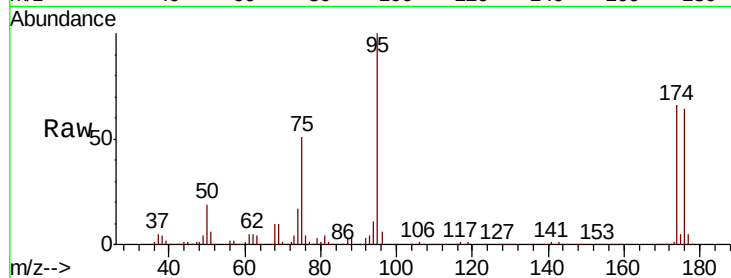
Tgt Ion: 95 Resp: 115665

Ion Ratio Lower Upper

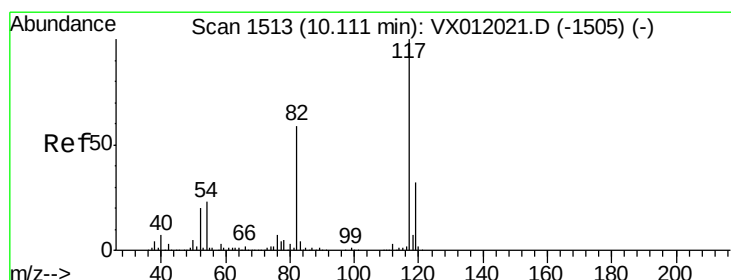
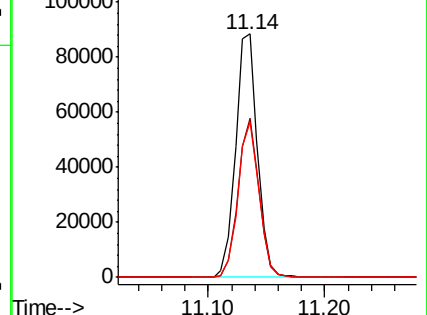
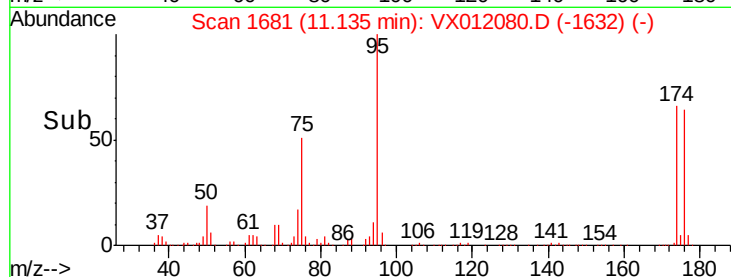
95 100

174 62.5 0.0 205.4

176 61.5 0.0 201.8



Abundance Ion 94.90 (94.60 to 95.60): VX012080.D (-1632) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX012080.D

Acq: 05 Sep 2019 05:13

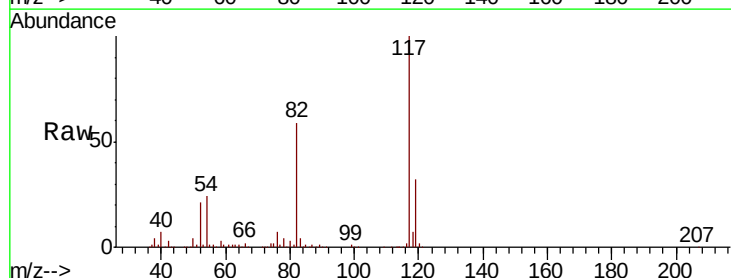
Tgt Ion: 117 Resp: 214348

Ion Ratio Lower Upper

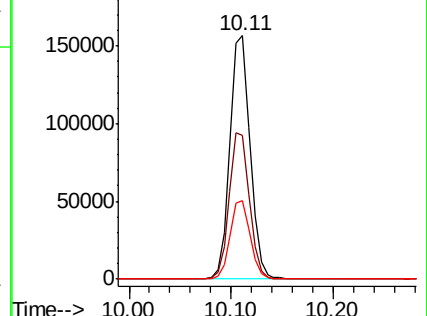
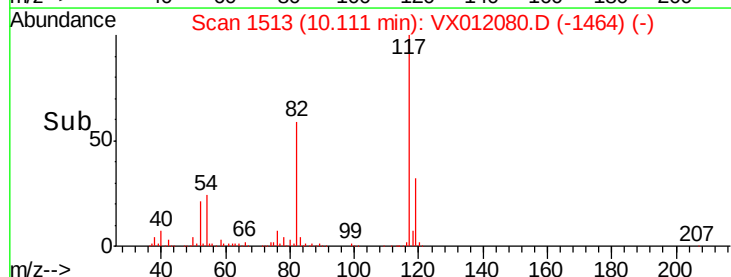
117 100

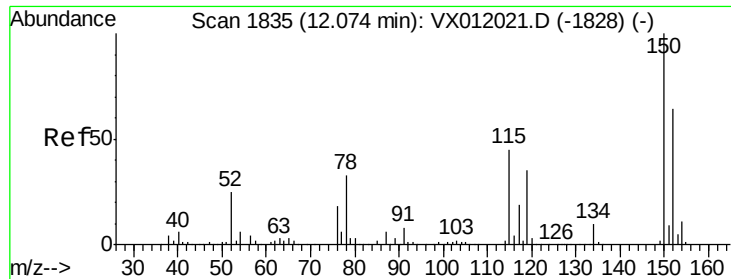
82 59.1 39.4 59.0#

119 32.5 26.1 39.1



Abundance Ion 116.90 (116.60 to 117.60): VX012080.D (-1464) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012080.D

Acq: 05 Sep 2019 05:13

Instrument :

MSVOA_X

ClientSampleId :

SB-3-35-37

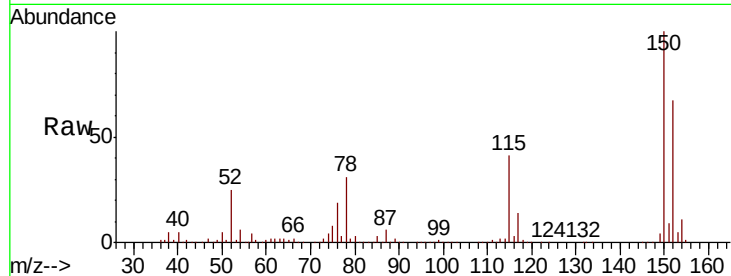
Tgt Ion:152 Resp: 95379

Ion Ratio Lower Upper

152 100

115 66.2 36.4 109.3

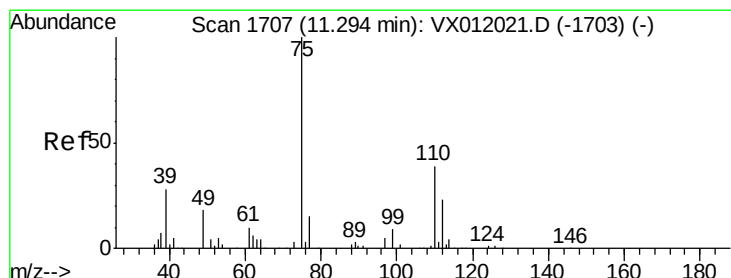
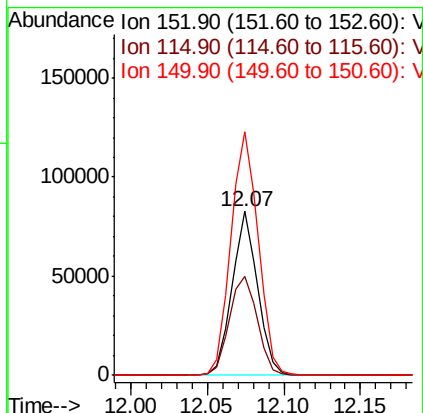
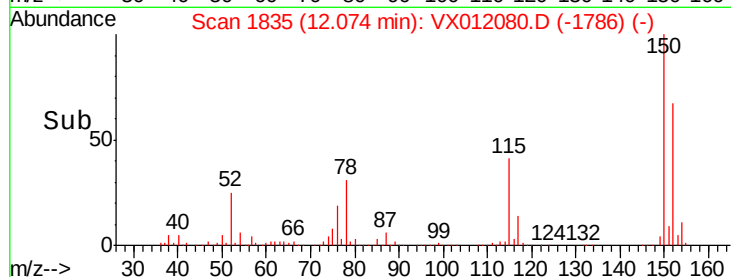
150 158.7 0.0 341.2



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: 51.383 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012080.D

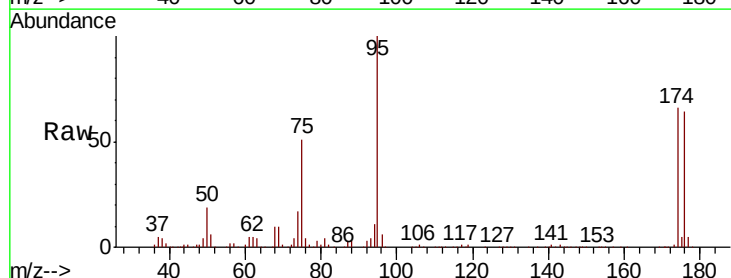
Acq: 05 Sep 2019 05:13

Tgt Ion: 75 Resp: 59881

Ion Ratio Lower Upper

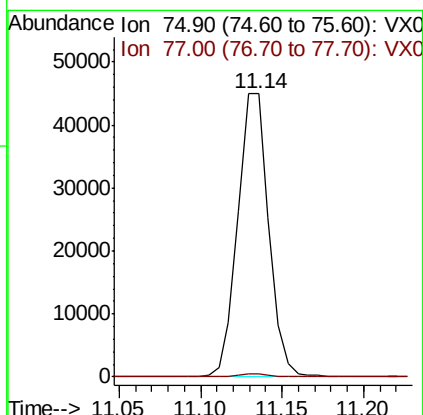
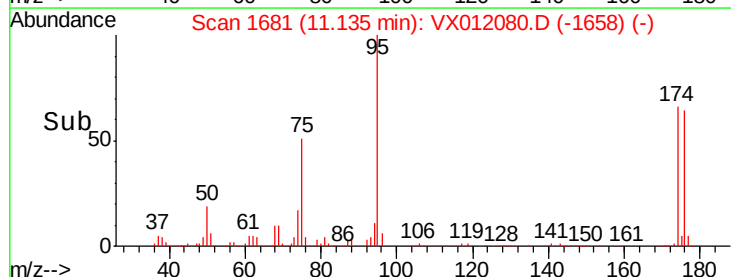
75 100

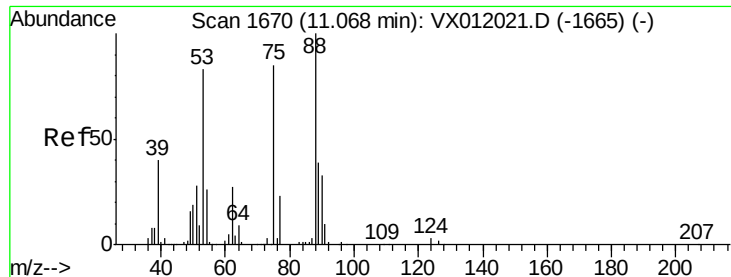
77 1.2 23.5 70.5#



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: 121.477 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.07 min
 Lab File: VX012080.D
 Acq: 05 Sep 2019 05:13

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-3-35-37

Tgt Ion: 75 Resp: 59881
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.6 117.8#
 89 0.0 38.8 58.2#

