

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090419\
 Data File : VX012079.D
 Acq On : 05 Sep 2019 04:45
 Operator : SY/SP
 Sample : K4591-04
 Misc : 5.51g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-3-30-32

Quant Time: Sep 05 05:30:47 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

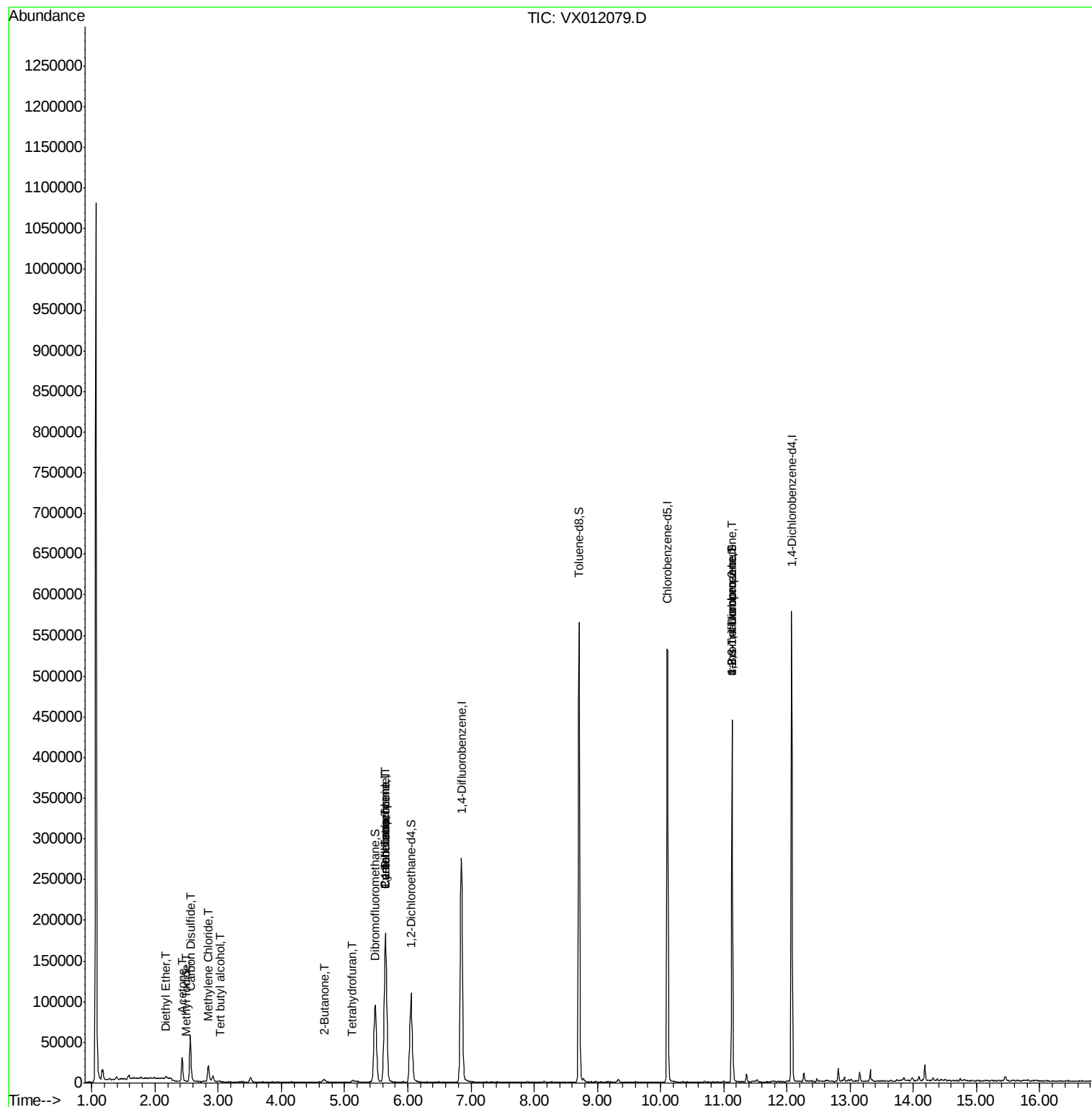
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	154814	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	265857	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	235323	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	103864	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	110094	51.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.08%	
35) Dibromofluoromethane	5.48	113	81113	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	
50) Toluene-d8	8.71	98	317521	52.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.84%	
62) 4-Bromofluorobenzene	11.14	95	128901	46.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.40%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.18	74	913	1.237	ug/l	92
10) Methyl Iodide	2.50	142	47	7.013	ug/l #	40
11) Tert butyl alcohol	3.03	59	1610	7.847	ug/l #	92
13) Acrolein	2.28	56	290	Below Cal	#	12
16) Acetone	2.43	43	31640	61.969	ug/l	99
17) Carbon Disulfide	2.56	76	71077	15.954	ug/l	99
20) Methylene Chloride	2.84	84	9394	4.582	ug/l	97
25) 2-Butanone	4.68	43	3145	4.839	ug/l	94
29) Tetrahydrofuran	5.13	42	1311	3.348	ug/l #	70
31) Cyclohexane	5.64	56	4376	1.671	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14092	6.018	ug/l #	49
38) Carbon Tetrachloride	5.65	117	18524	7.508	ug/l #	14
76) 1,2,3-Trichloropropane	11.14	75	66414	52.333	ug/l #	31
81) trans-1,4-Dichloro-2-buten	11.14	75	66414	123.724	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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Quant Title : SW846 8260
QLast Update : Tue Sep 03 15:26:48 2019
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: VX012079.D

Acq: 05 Sep 2019 04:45

Instrument :

MSVOA_X

ClientSampleId :

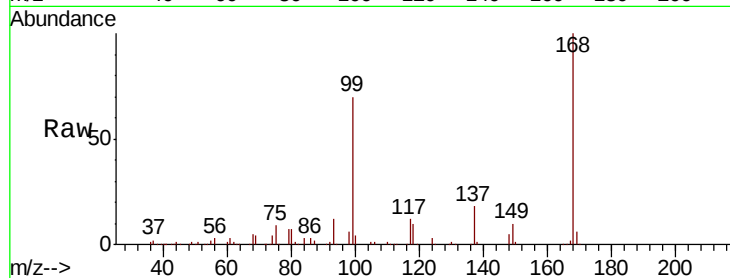
SB-3-30-32

Tgt Ion:168 Resp: 154814

Ion Ratio Lower Upper

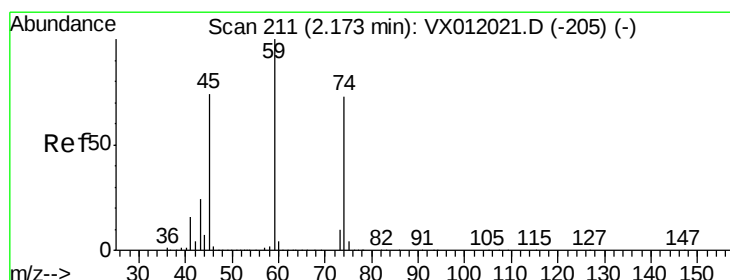
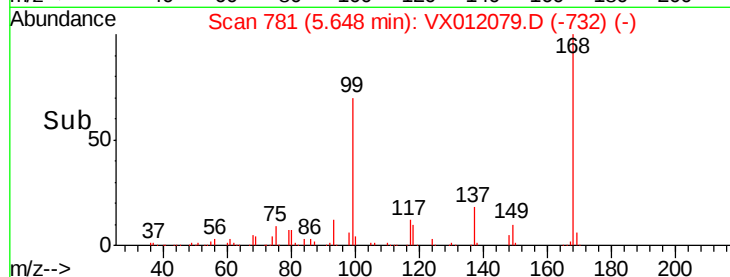
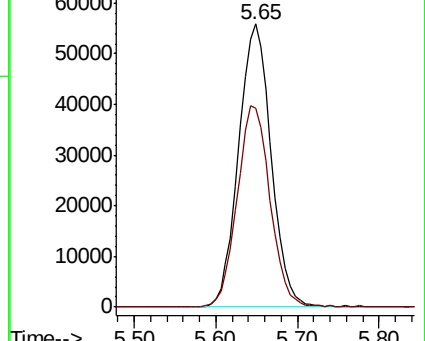
168 100

99 70.1 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: 1.237 ug/l

RT: 2.18 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX012079.D

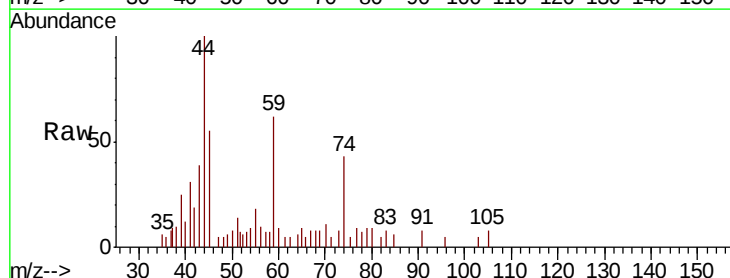
Acq: 05 Sep 2019 04:45

Tgt Ion: 74 Resp: 913

Ion Ratio Lower Upper

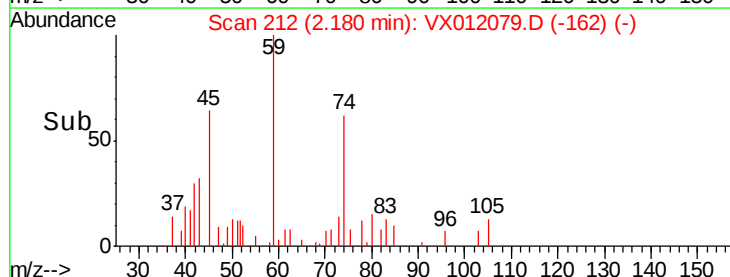
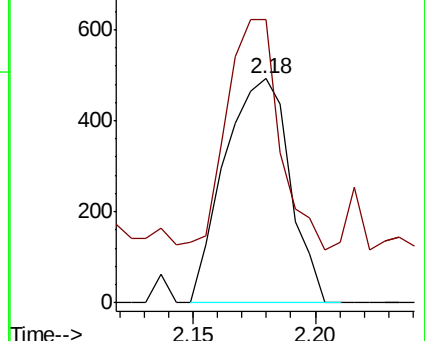
74 100

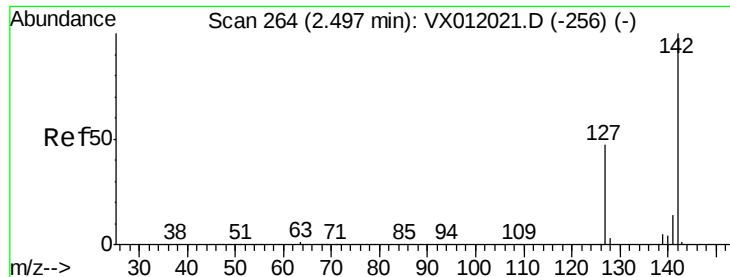
45 83.9 45.9 137.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

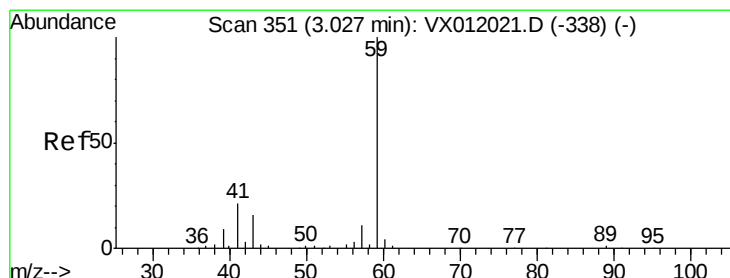
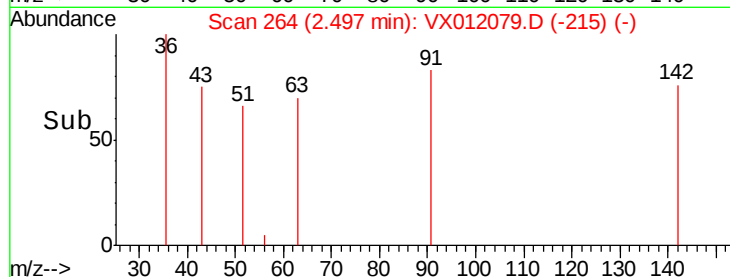
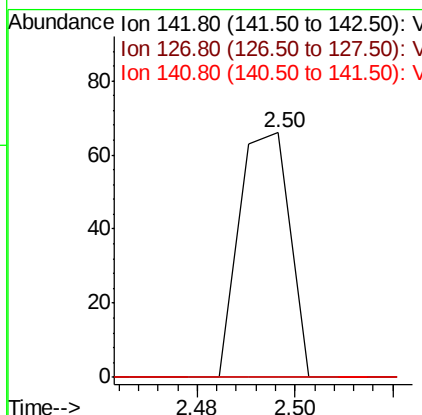
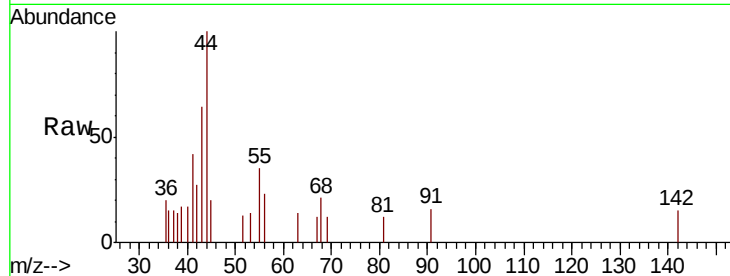




#10
Methyl Iodide
Concen: 7.013 ug/l
RT: 2.50 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX012079.D
Acq: 05 Sep 2019 04:45

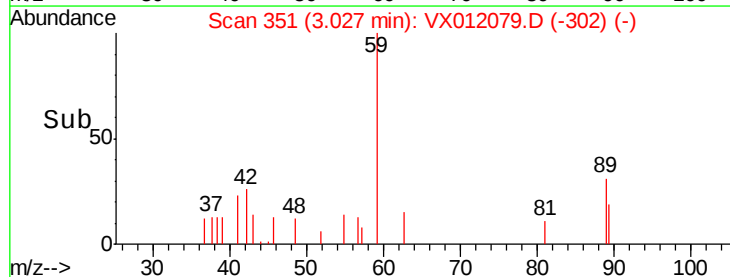
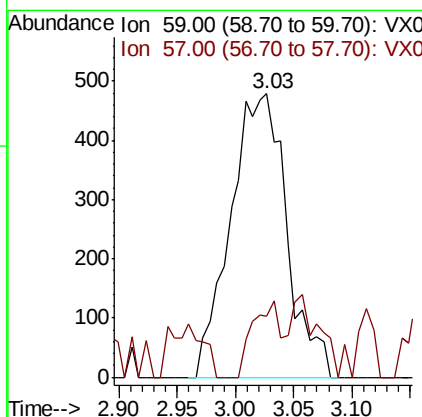
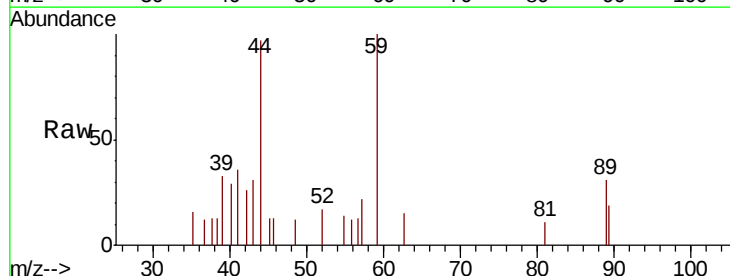
Instrument :
MSVOA_X
ClientSampleId :
SB-3-30-32

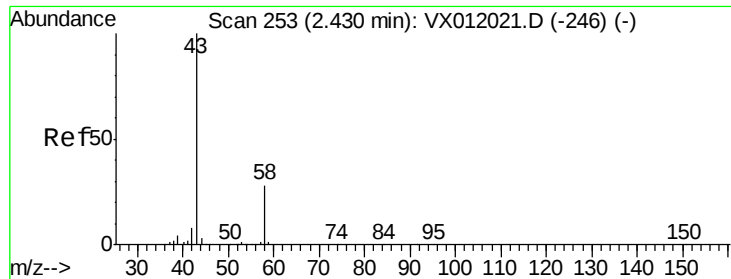
Tgt Ion: 142 Resp: 47
Ion Ratio Lower Upper
142 100
127 0.0 35.4 53.2#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 7.847 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX012079.D
Acq: 05 Sep 2019 04:45

Tgt Ion: 59 Resp: 1610
Ion Ratio Lower Upper
59 100
57 12.8 7.9 11.9#





#16

Acetone

Concen: 61.969 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012079.D

Acq: 05 Sep 2019 04:45

Instrument :

MSVOA_X

ClientSampleId :

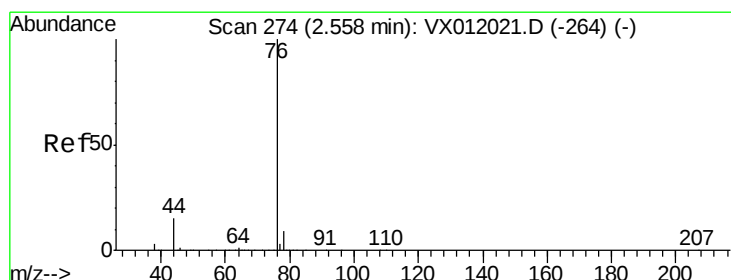
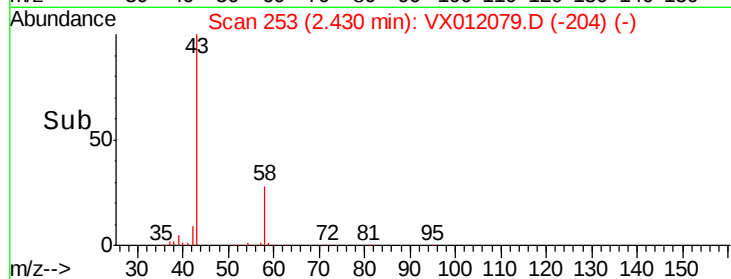
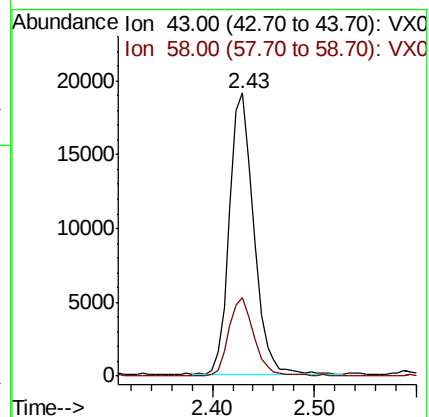
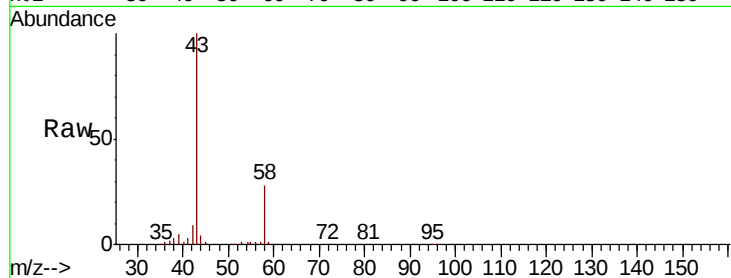
SB-3-30-32

Tgt Ion: 43 Resp: 31640

Ion Ratio Lower Upper

43 100

58 27.9 22.8 34.2



#17

Carbon Disulfide

Concen: 15.954 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.00 min

Lab File: VX012079.D

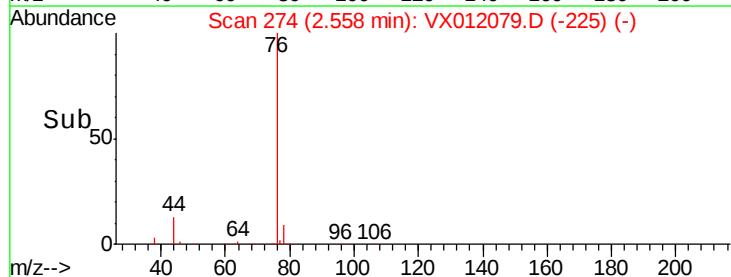
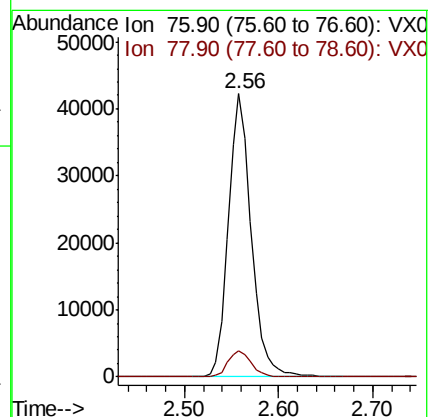
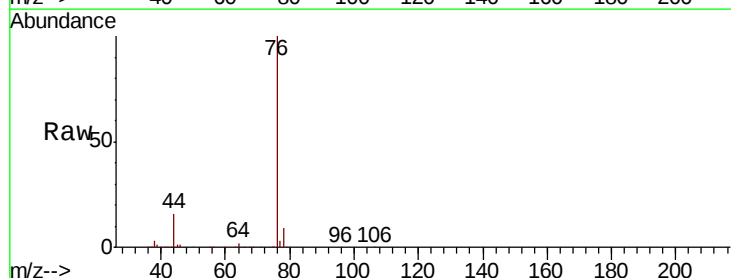
Acq: 05 Sep 2019 04:45

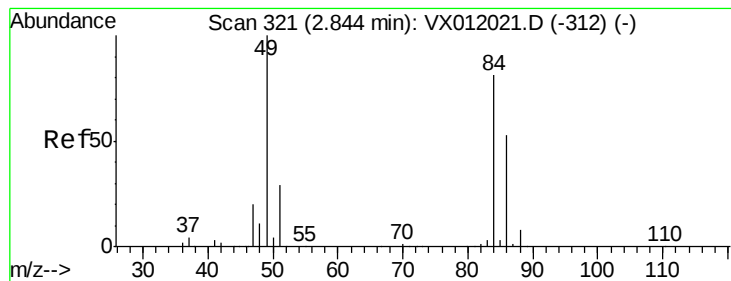
Tgt Ion: 76 Resp: 71077

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2





#20

Methylene Chloride

Concen: 4.582 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX012079.D

Acq: 05 Sep 2019 04:45

Instrument :

MSVOA_X

ClientSampleId :

SB-3-30-32

Tgt Ion: 84 Resp: 9394

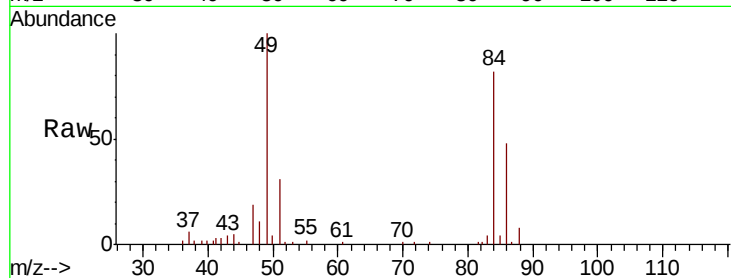
Ion Ratio Lower Upper

84 100

49 122.6 95.8 143.8

51 35.9 28.6 43.0

86 59.1 50.9 76.3

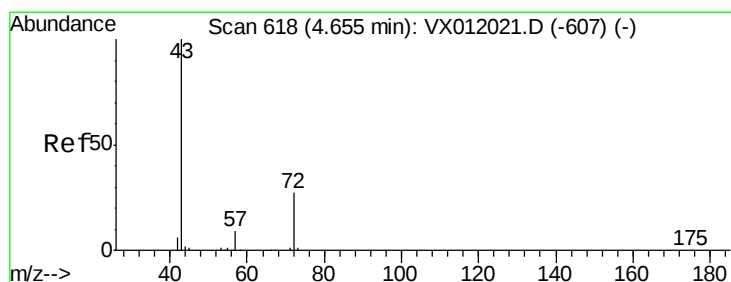
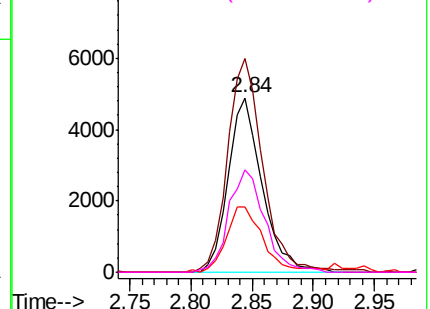
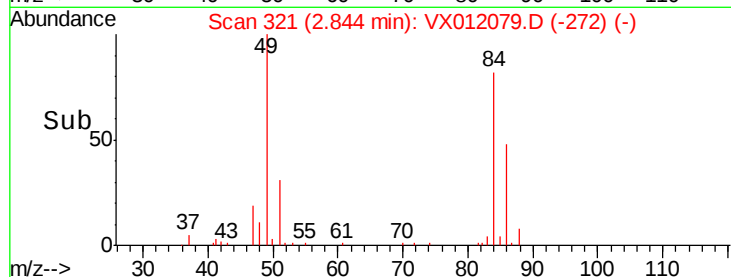


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#25

2-Butanone

Concen: 4.839 ug/l

RT: 4.68 min Scan# 622

Delta R.T. 0.02 min

Lab File: VX012079.D

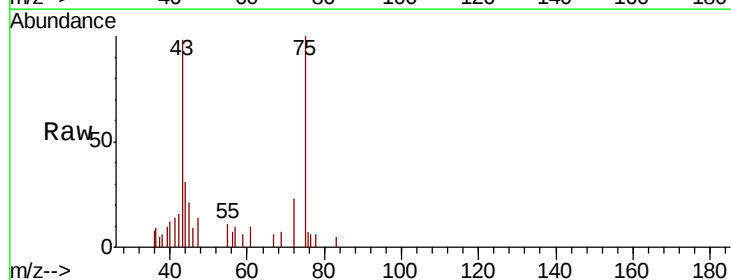
Acq: 05 Sep 2019 04:45

Tgt Ion: 43 Resp: 3145

Ion Ratio Lower Upper

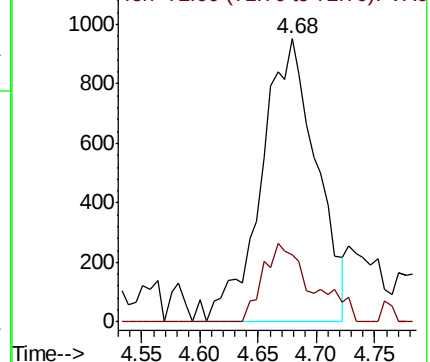
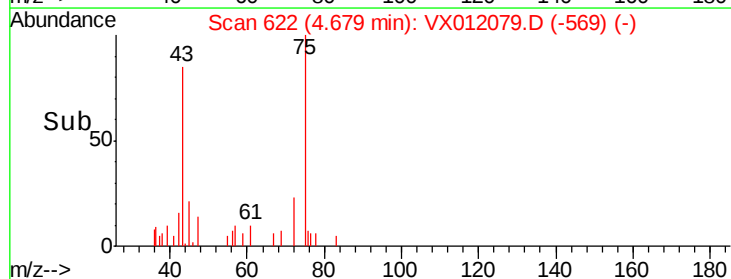
43 100

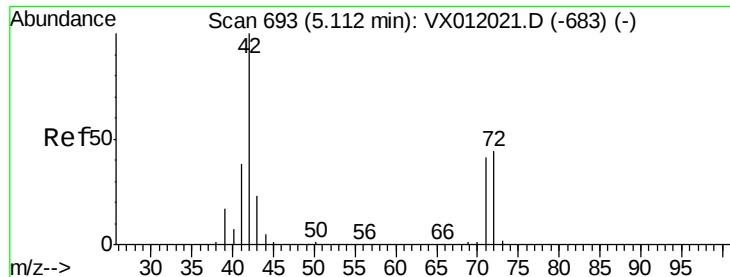
72 23.7 21.3 31.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 3.348 ug/l

RT: 5.13 min Scan# 696

Delta R.T. 0.02 min

Lab File: VX012079.D

Acq: 05 Sep 2019 04:45

Instrument :

MSVOA_X

ClientSampleId :

SB-3-30-32

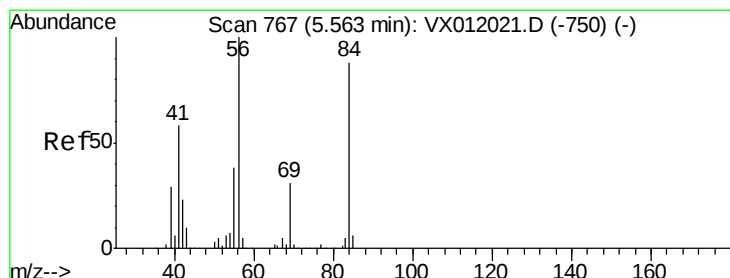
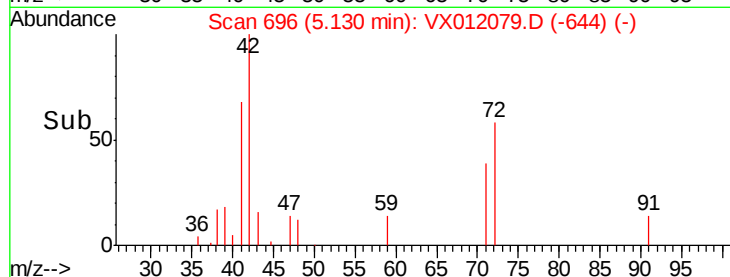
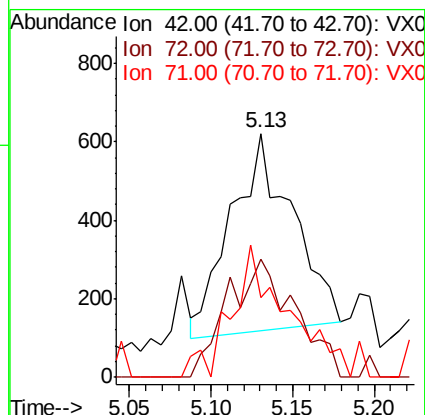
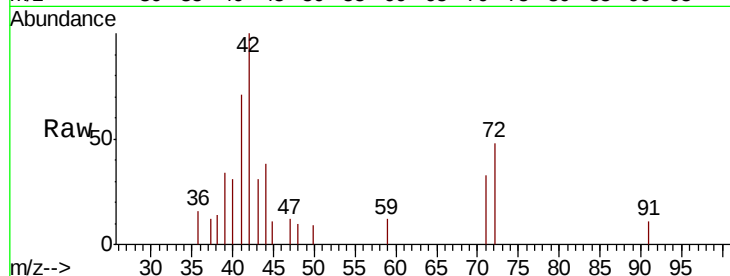
Tgt Ion: 42 Resp: 1311

Ion Ratio Lower Upper

42 100

72 65.7 37.0 55.4#

71 61.7 33.8 50.8#



#31

Cyclohexane

Concen: 1.671 ug/l

RT: 5.64 min Scan# 780

Delta R.T. 0.08 min

Lab File: VX012079.D

Acq: 05 Sep 2019 04:45

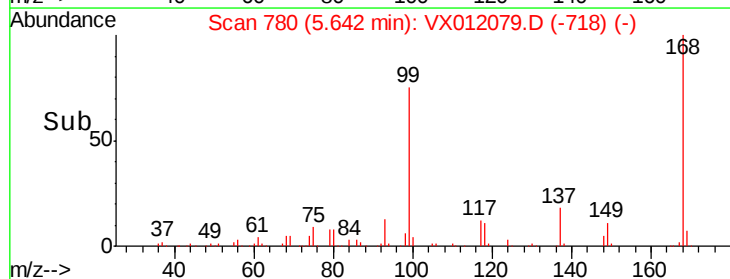
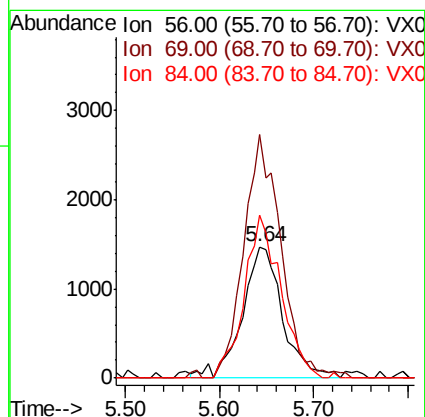
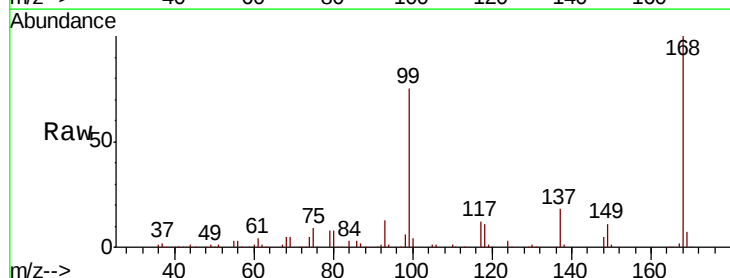
Tgt Ion: 56 Resp: 4376

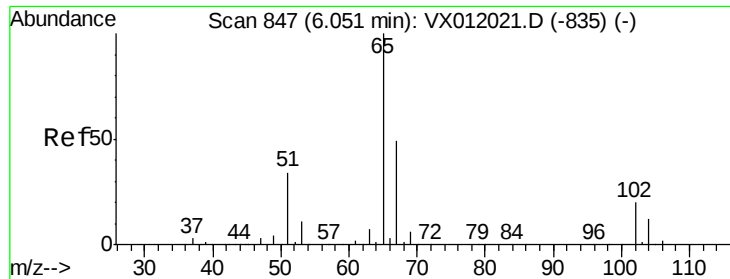
Ion Ratio Lower Upper

56 100

69 181.7 25.7 38.5#

84 124.4 70.3 105.5#





#33

1,2-Dichloroethane-d4

Concen: 51.539 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012079.D

Acq: 05 Sep 2019 04:45

Instrument :

MSVOA_X

ClientSampleId :

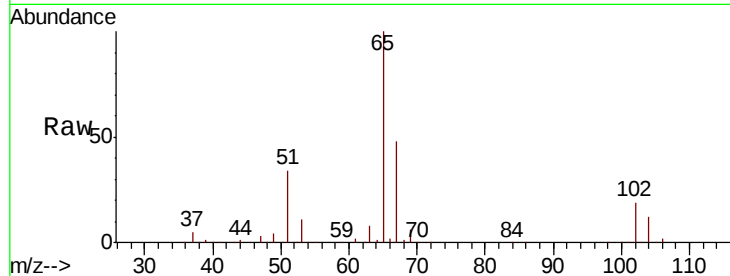
SB-3-30-32

Tgt Ion: 65 Resp: 110094

Ion Ratio Lower Upper

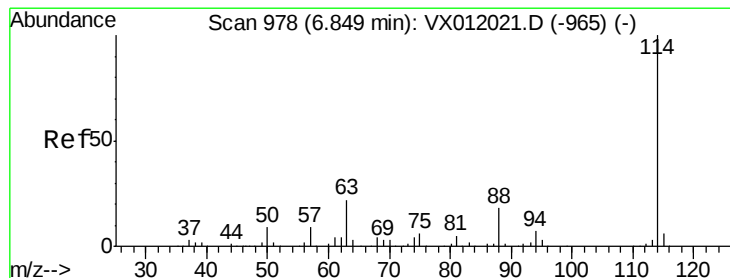
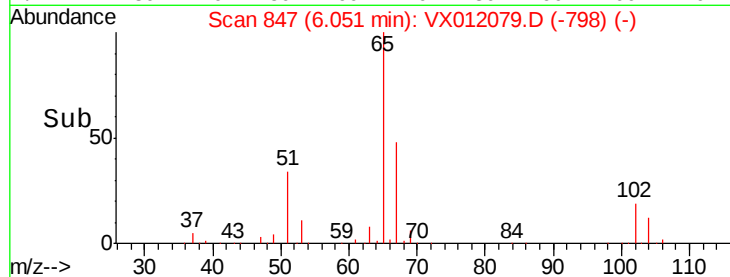
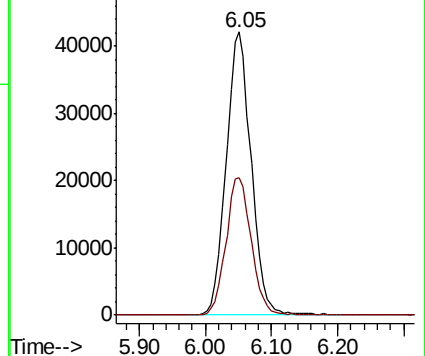
65 100

67 49.1 0.0 102.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX012079.D

Acq: 05 Sep 2019 04:45

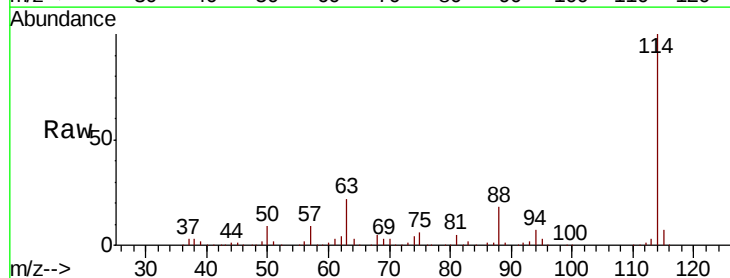
Tgt Ion: 114 Resp: 265857

Ion Ratio Lower Upper

114 100

63 22.5 0.0 37.4

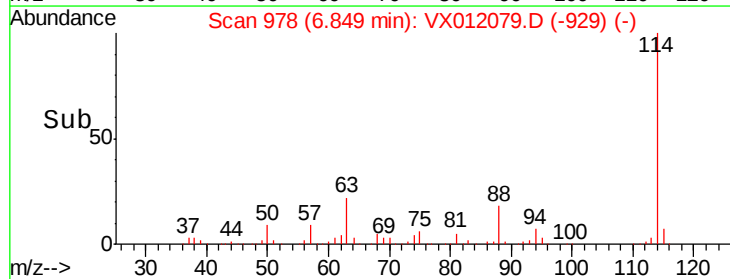
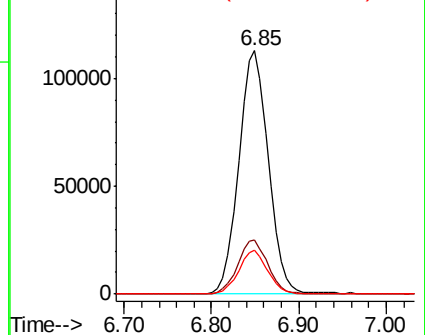
88 18.0 0.0 29.6

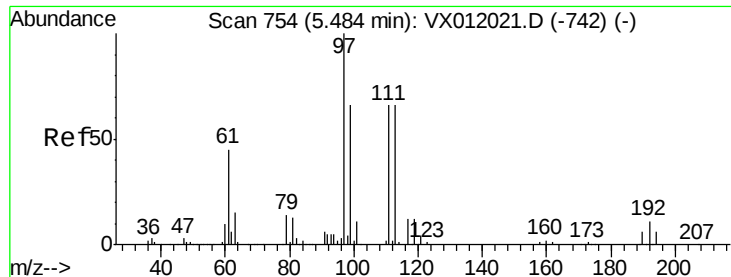


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.612 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012079.D

Acq: 05 Sep 2019 04:45

Instrument :

MSVOA_X

ClientSampleId :

SB-3-30-32

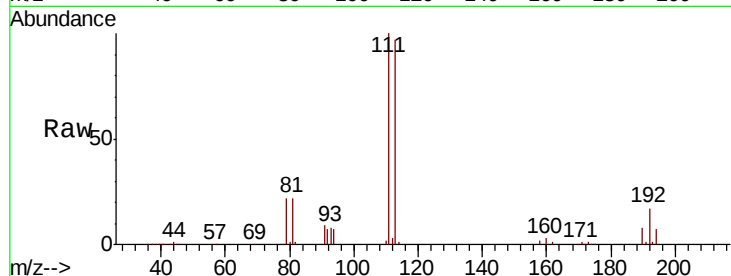
Tgt Ion:113 Resp: 81113

Ion Ratio Lower Upper

113 100

111 102.5 81.7 122.5

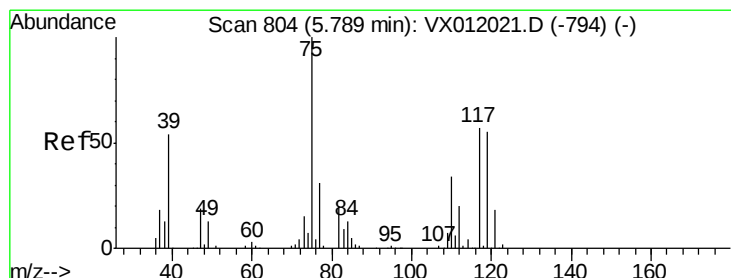
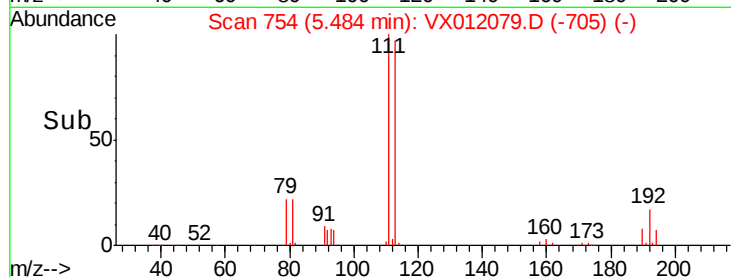
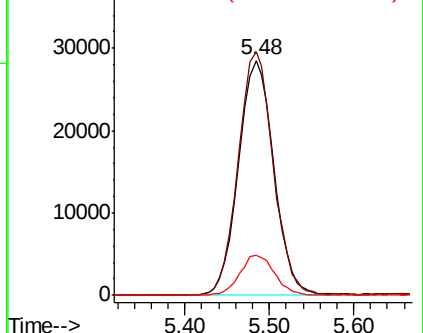
192 16.9 22.5 33.7#



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: 6.018 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012079.D

Acq: 05 Sep 2019 04:45

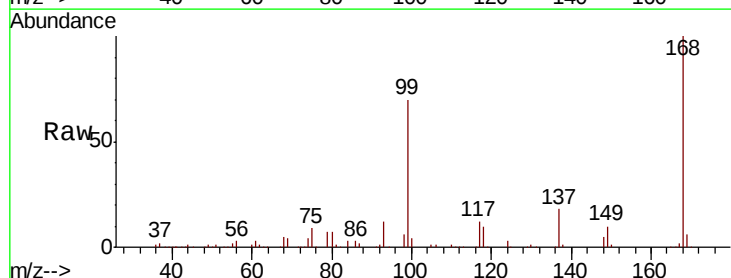
Tgt Ion: 75 Resp: 14092

Ion Ratio Lower Upper

75 100

110 9.9 19.5 58.5#

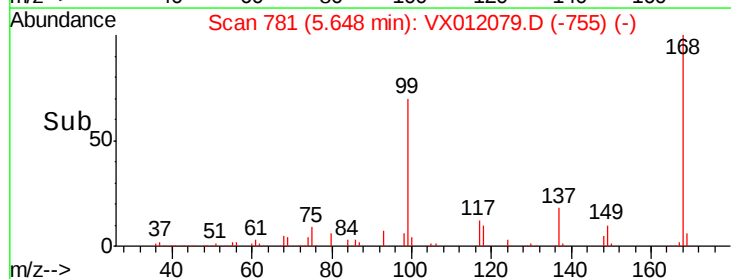
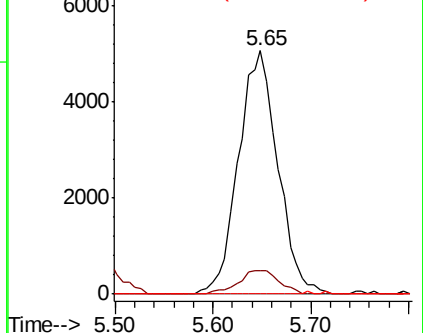
77 0.0 24.6 37.0#

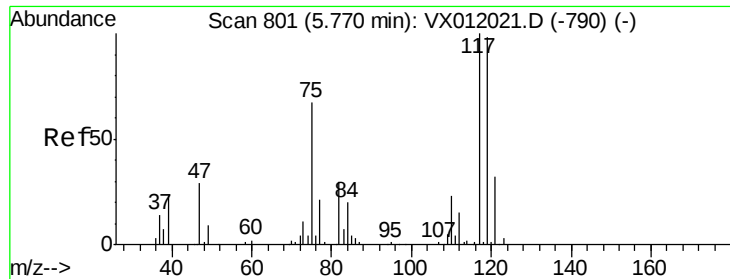


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

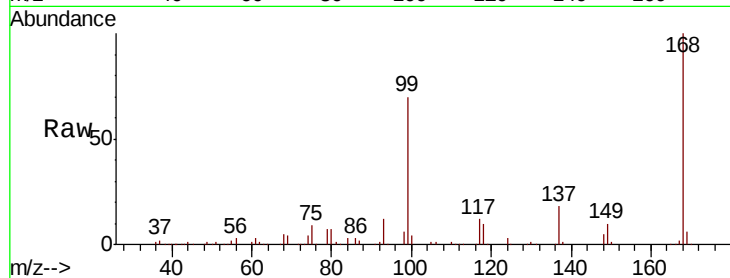




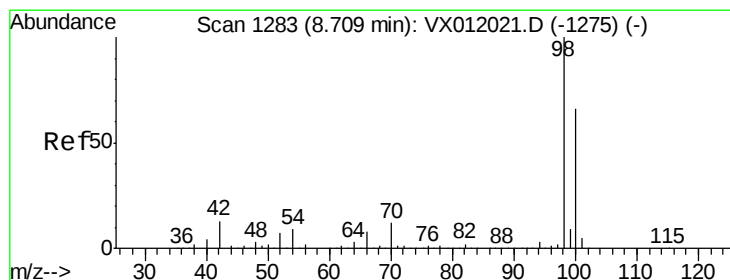
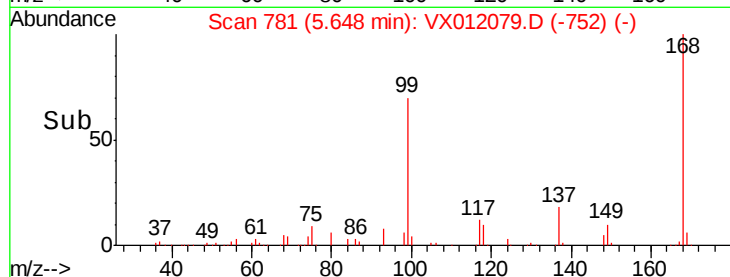
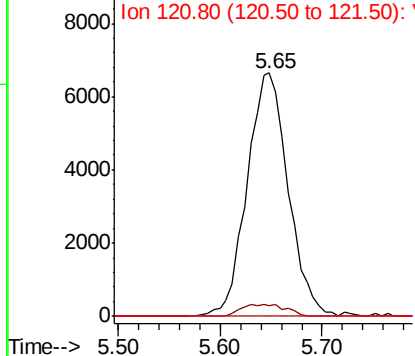
#38
Carbon Tetrachloride
Concen: 7.508 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.12 min
Lab File: VX012079.D
Acq: 05 Sep 2019 04:45

Instrument :
MSVOA_X
ClientSampleId :
SB-3-30-32

Tgt Ion:117 Resp: 18524
Ion Ratio Lower Upper
117 100
119 4.1 78.3 117.5#
121 0.0 24.2 36.2#

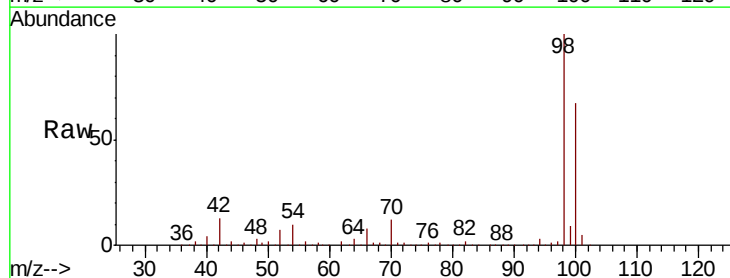


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

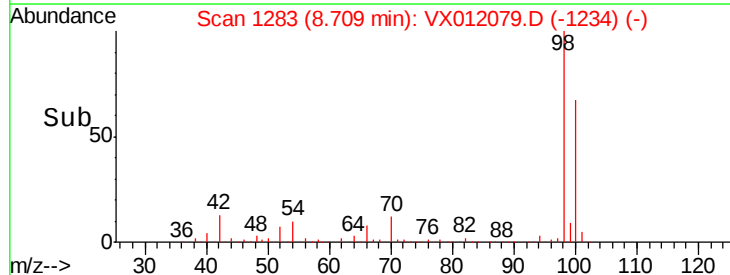
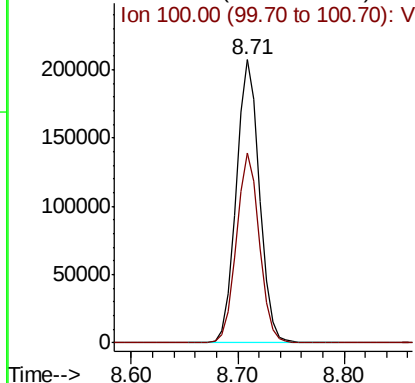


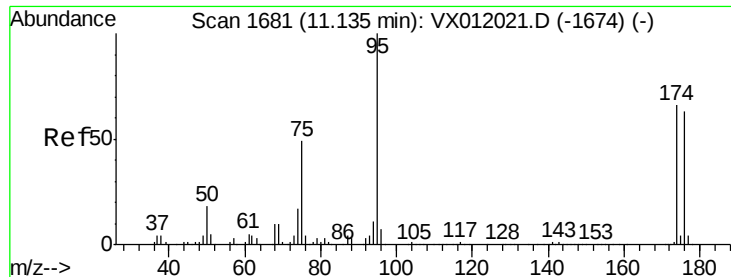
#50
Toluene-d8
Concen: 52.925 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012079.D
Acq: 05 Sep 2019 04:45

Tgt Ion: 98 Resp: 317521
Ion Ratio Lower Upper
98 100
100 66.3 53.3 79.9



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

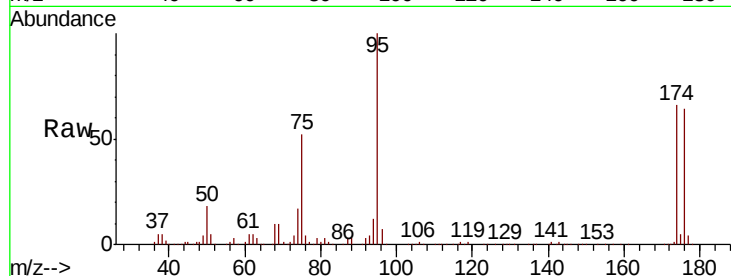




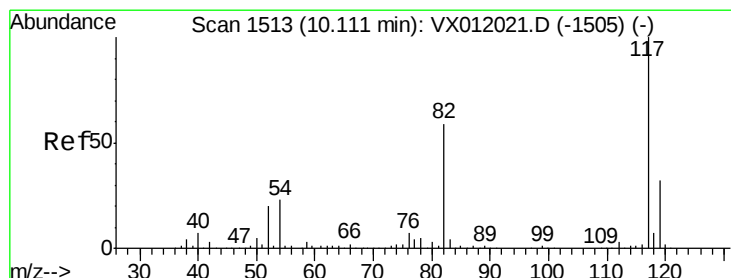
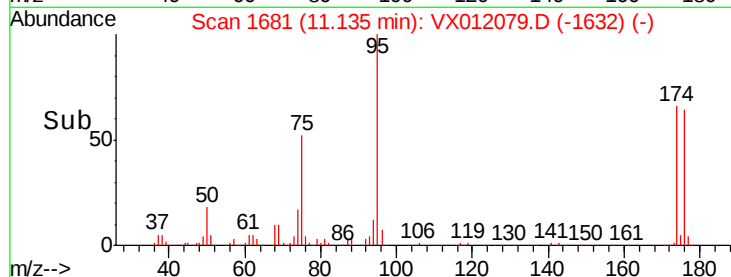
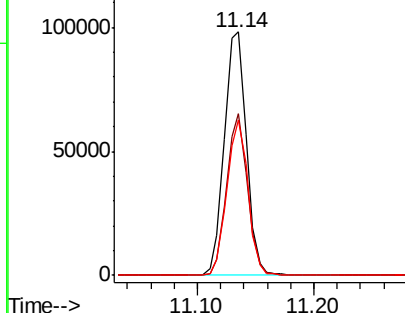
#62
4-Bromofluorobenzene
Concen: 46.199 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX012079.D
Acq: 05 Sep 2019 04:45

Instrument :
MSVOA_X
ClientSampled :
SB-3-30-32

Tgt Ion: 95 Resp: 128901
Ion Ratio Lower Upper
95 100
174 62.9 0.0 205.4
176 61.2 0.0 201.8

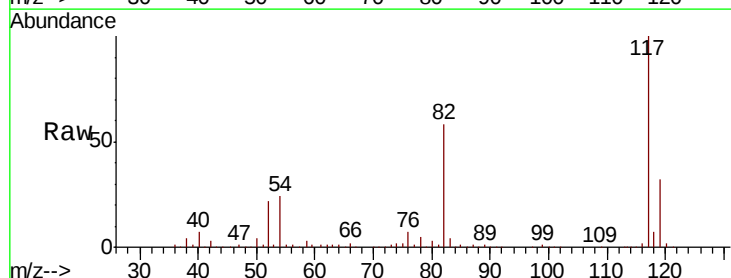


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

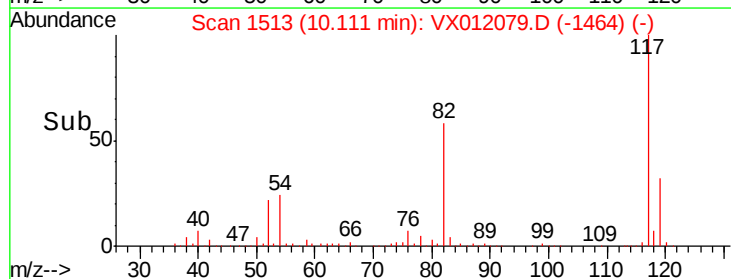
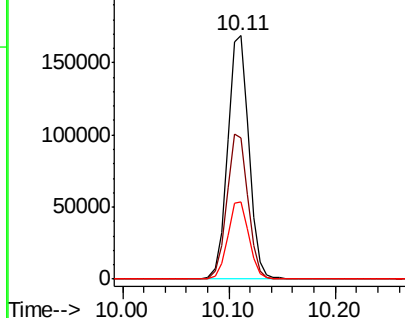


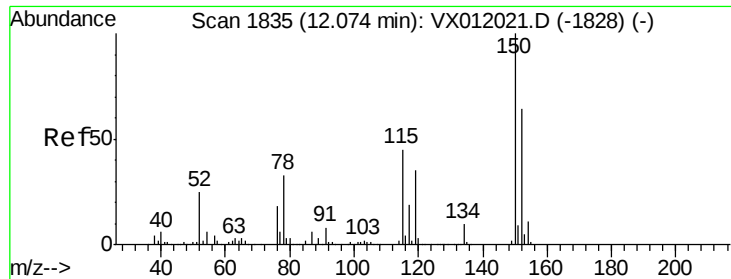
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012079.D
Acq: 05 Sep 2019 04:45

Tgt Ion: 117 Resp: 235323
Ion Ratio Lower Upper
117 100
82 58.1 39.4 59.0
119 31.8 26.1 39.1



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: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012079.D

Acq: 05 Sep 2019 04:45

Instrument :

MSVOA_X

ClientSampleId :

SB-3-30-32

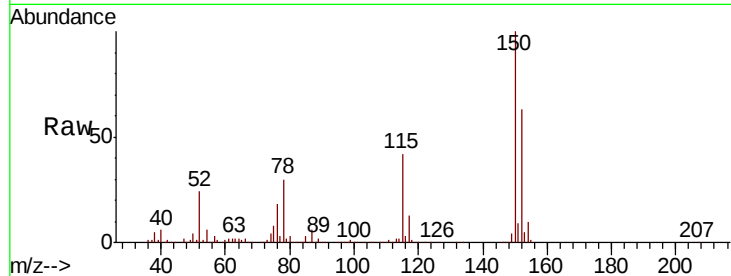
Tgt Ion:152 Resp: 103864

Ion Ratio Lower Upper

152 100

115 66.7 36.4 109.3

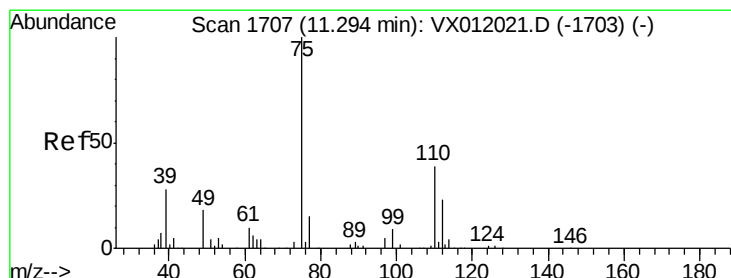
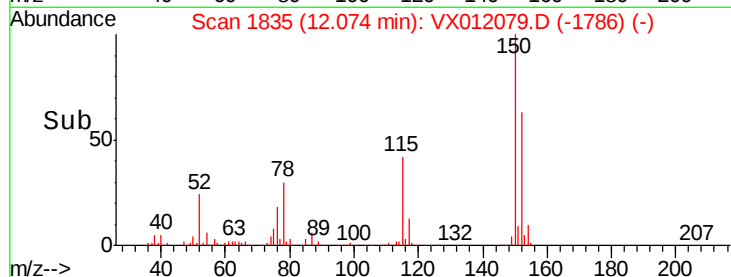
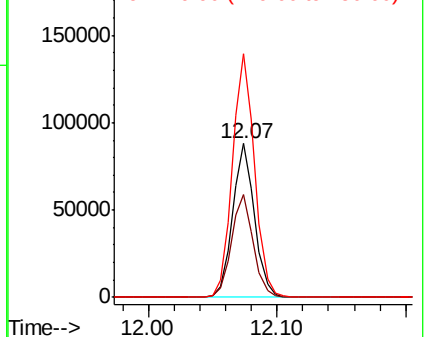
150 160.6 0.0 341.2



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: 52.333 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012079.D

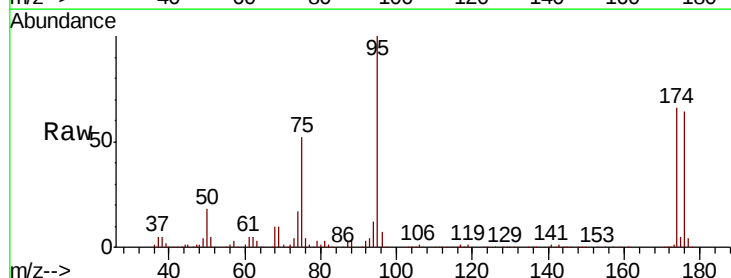
Acq: 05 Sep 2019 04:45

Tgt Ion: 75 Resp: 66414

Ion Ratio Lower Upper

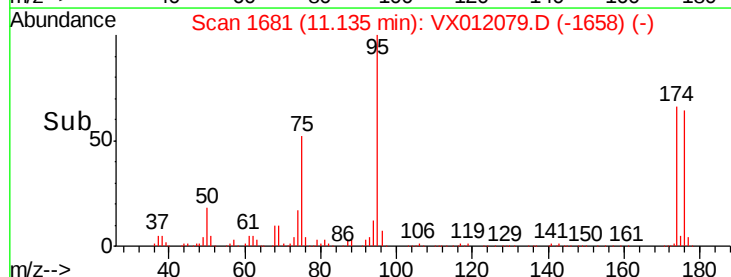
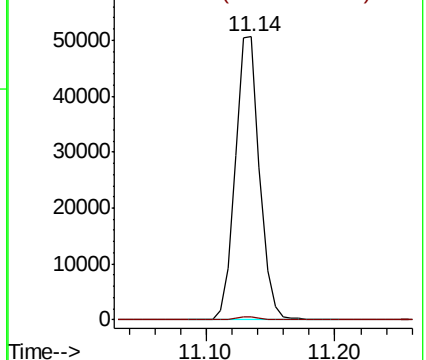
75 100

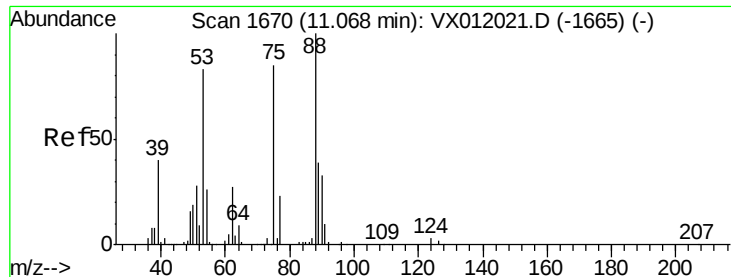
77 1.2 23.5 70.5#



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: 123.724 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012079.D

Acq: 05 Sep 2019 04:45

Instrument :

MSVOA_X

ClientSampleId :

SB-3-30-32

Tgt Ion: 75 Resp: 66414

Ion Ratio Lower Upper

75 100

53 0.1 78.6 117.8#

89 0.0 38.8 58.2#

