

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090719\
 Data File : VX012207.D
 Acq On : 08 Sep 2019 07:39
 Operator : SY/SP
 Sample : K4650-13
 Misc : 5.92g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BFB

Quant Time: Sep 09 01:20:11 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	147437	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	253234	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	218107	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	92377	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	101535	49.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.82%	
35) Dibromofluoromethane	5.48	113	75500	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	
50) Toluene-d8	8.71	98	301365	52.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.48%	
62) 4-Bromofluorobenzene	11.14	95	116170	43.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.42%	

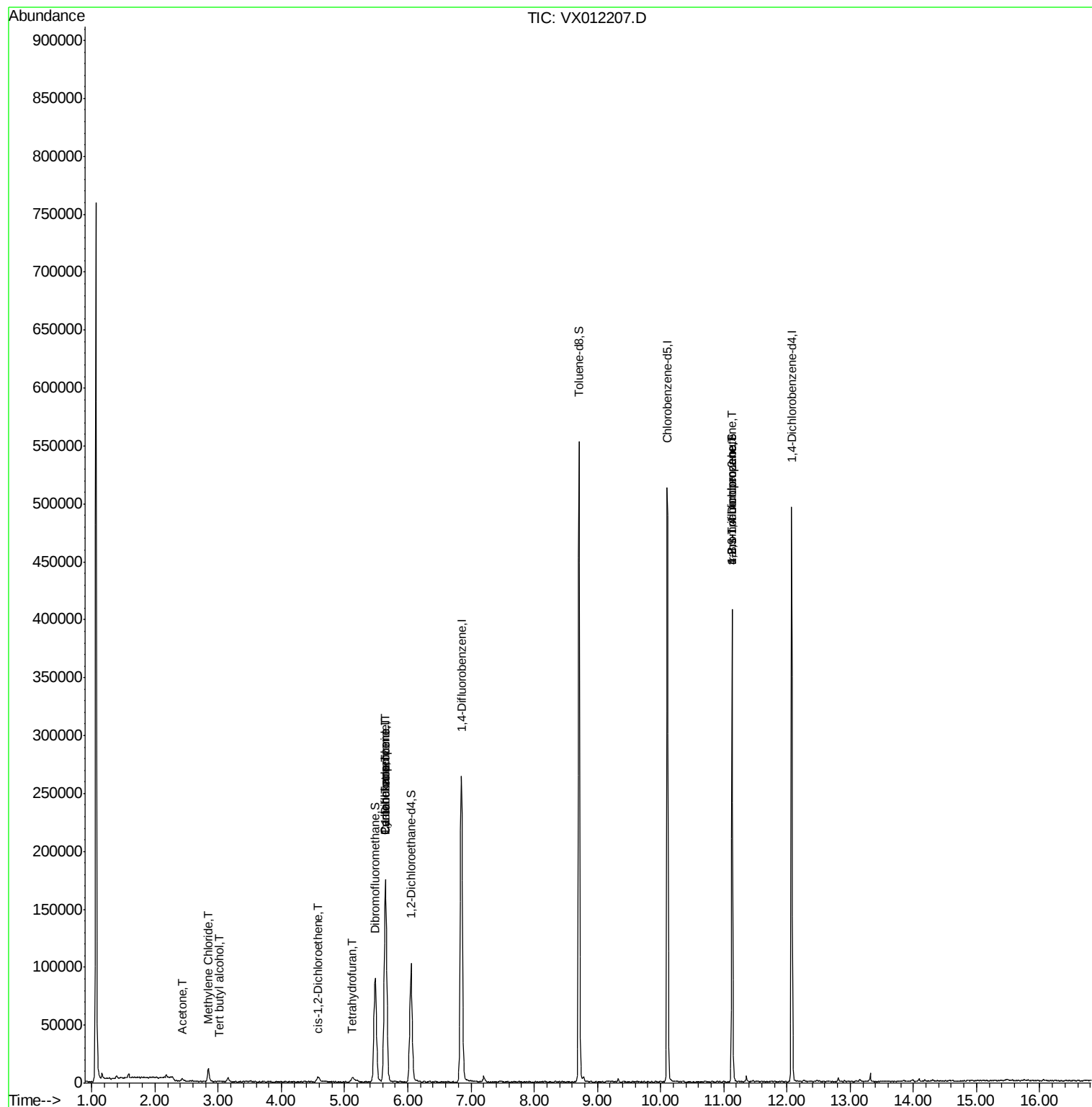
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.02	59	629	3.219	ug/l #	83
13) Acrolein	2.23	56	71	Below Cal	#	1
16) Acetone	2.44	43	2226	4.578	ug/l	92
20) Methylene Chloride	2.84	84	5109	2.617	ug/l	95
27) cis-1,2-Dichloroethene	4.59	96	2432	1.218	ug/l	91
29) Tetrahydrofuran	5.12	42	3903	10.466	ug/l	96
31) Cyclohexane	5.65	56	4378	1.755	ug/l #	17
36) 1,1-Dichloropropene	5.65	75	13633	6.112	ug/l #	49
38) Carbon Tetrachloride	5.64	117	17784	7.567	ug/l #	15
76) 1,2,3-Trichloropropane	11.13	75	60410	53.521	ug/l #	31
81) trans-1,4-Dichloro-2-buten	11.13	75	60410	126.533	ug/l #	10

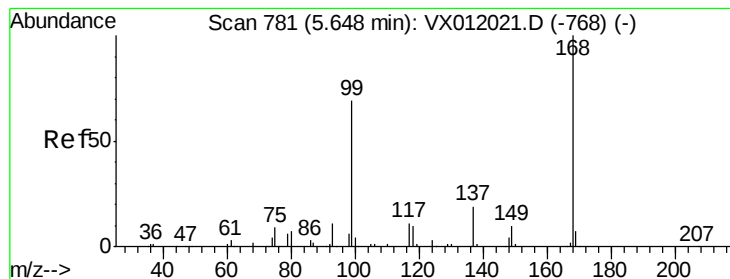
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX090719\
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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: VX012207.D

Acq: 08 Sep 2019 07:39

Instrument :

MSVOA_X

ClientSampleId :

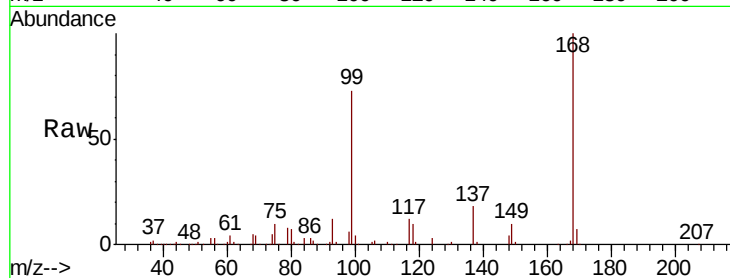
BFB

Tgt Ion:168 Resp: 147437

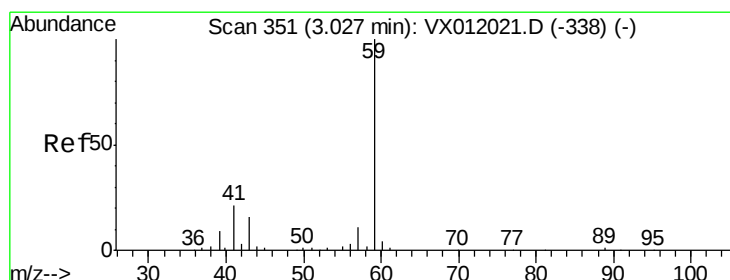
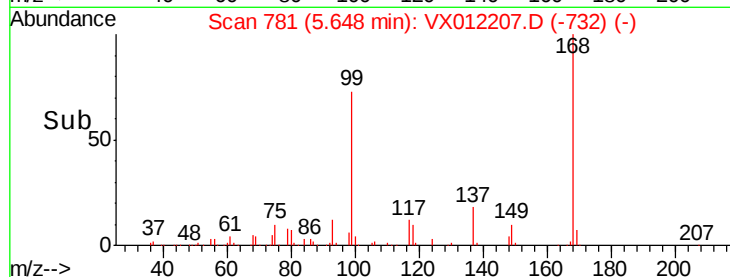
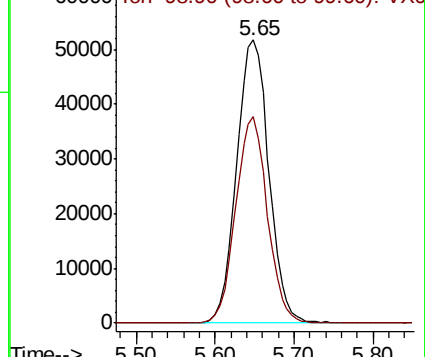
Ion Ratio Lower Upper

168 100

99 72.8 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): VX012207.D (-732) (-)



#11

Tert butyl alcohol

Concen: 3.219 ug/l

RT: 3.02 min Scan# 350

Delta R.T. -0.01 min

Lab File: VX012207.D

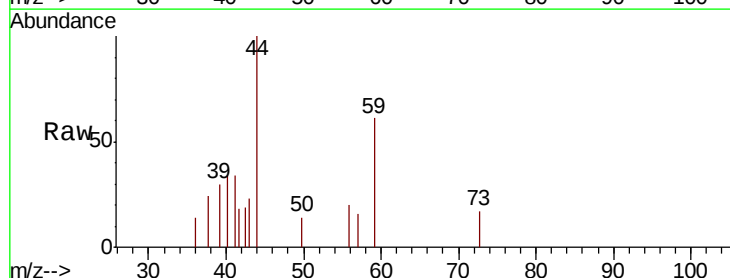
Acq: 08 Sep 2019 07:39

Tgt Ion: 59 Resp: 629

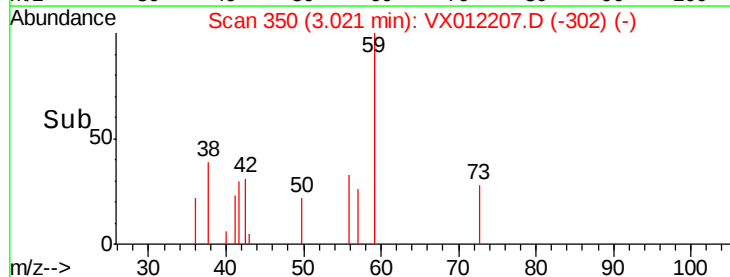
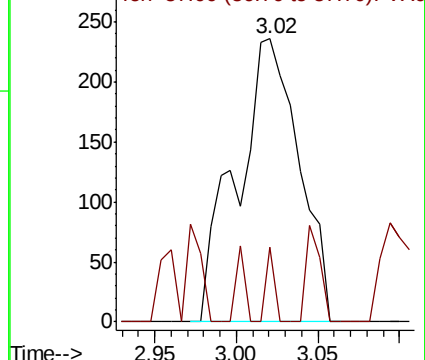
Ion Ratio Lower Upper

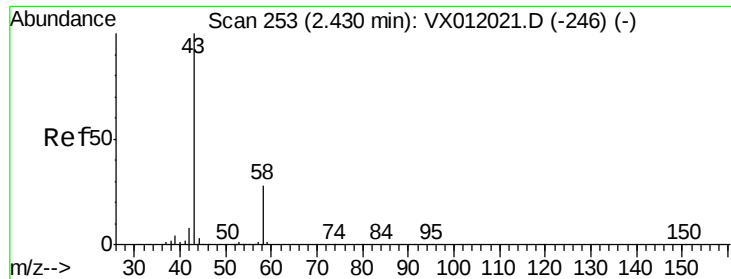
59 100

57 3.7 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VX012207.D (-302) (-)





#16

Acetone

Concen: 4.578 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX012207.D

Acq: 08 Sep 2019 07:39

Instrument :

MSVOA_X

ClientSampled :

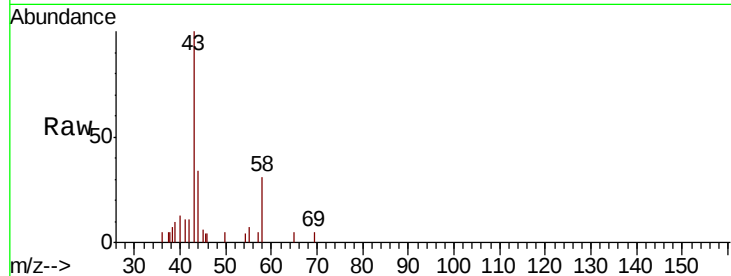
BFB

Tgt Ion: 43 Resp: 2226

Ion Ratio Lower Upper

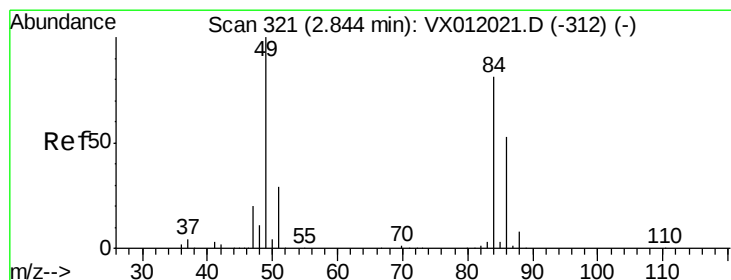
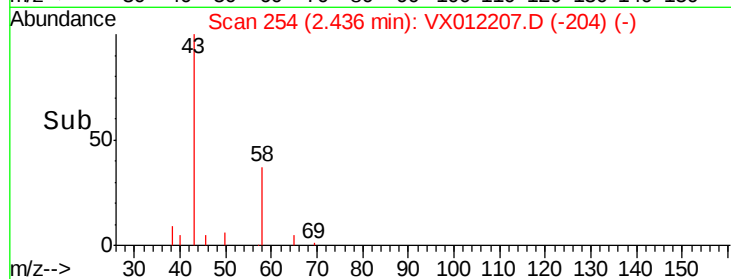
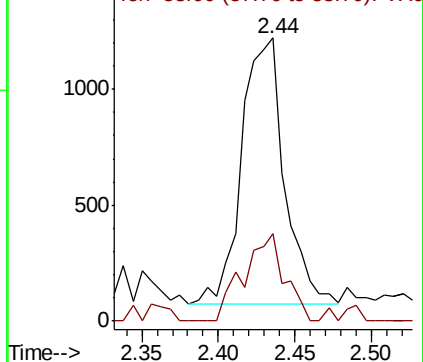
43 100

58 32.7 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: 2.617 ug/l

RT: 2.84 min Scan# 320

Delta R.T. -0.01 min

Lab File: VX012207.D

Acq: 08 Sep 2019 07:39

Tgt Ion: 84 Resp: 5109

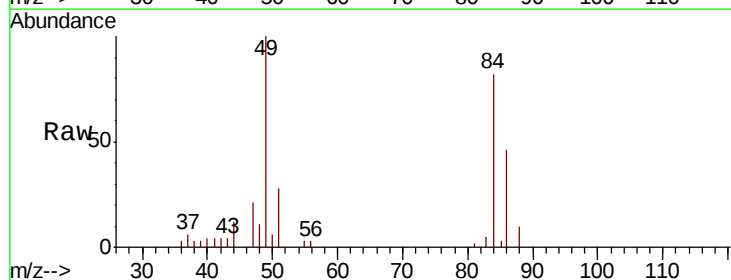
Ion Ratio Lower Upper

84 100

49 122.1 95.8 143.8

51 33.6 28.6 43.0

86 55.8 50.9 76.3

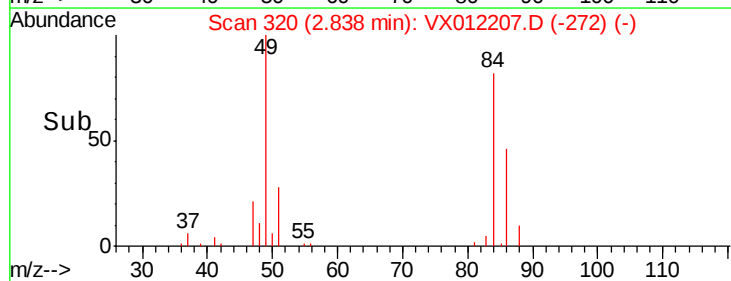
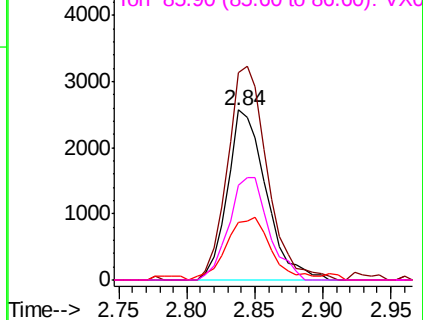


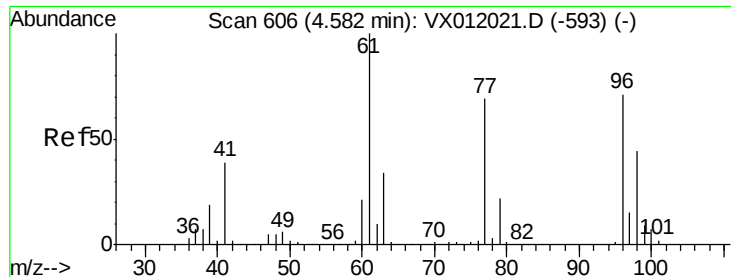
Abundance Ion 83.90 (83.60 to 84.60): VX0

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



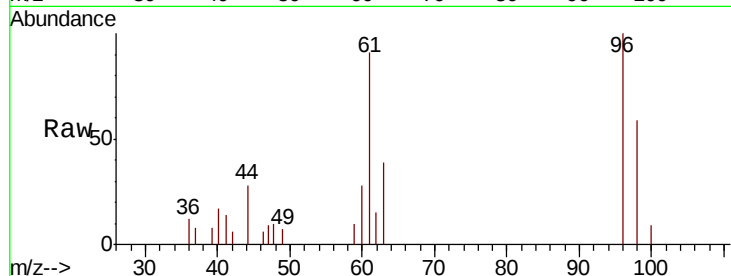


#27

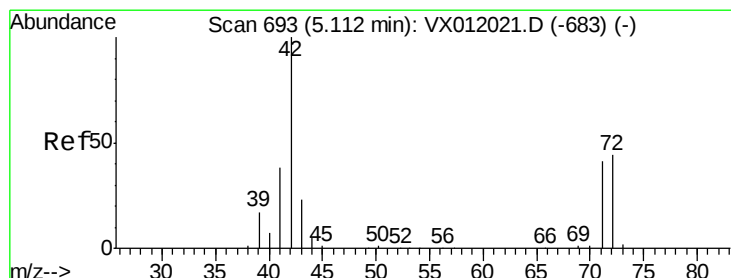
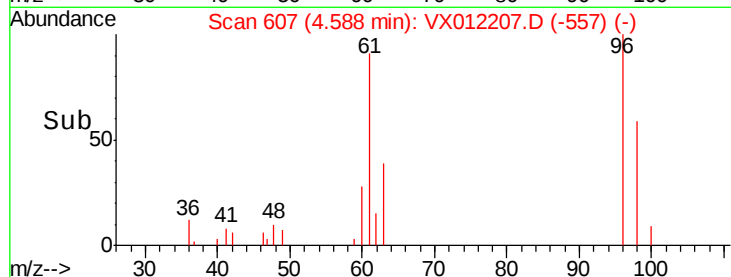
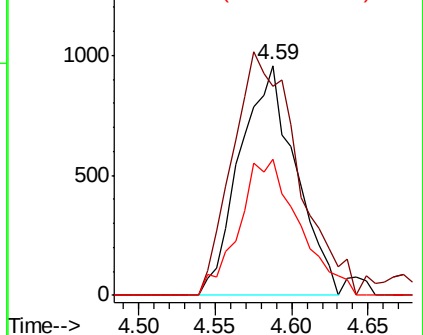
cis-1,2-Dichloroethene
 Concen: 1.218 ug/l
 RT: 4.59 min Scan# 607
 Delta R.T. 0.01 min
 Lab File: VX012207.D
 Acq: 08 Sep 2019 07:39

Instrument :
 MSVOA_X
 ClientSampleId :
 BFB

Tgt Ion: 96 Resp: 2432
 Ion Ratio Lower Upper
 96 100
 61 123.4 0.0 277.0
 98 63.8 0.0 128.4



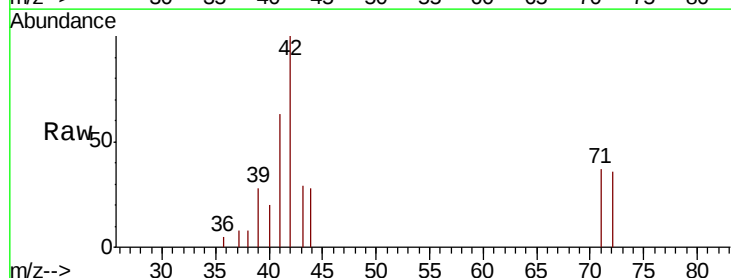
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



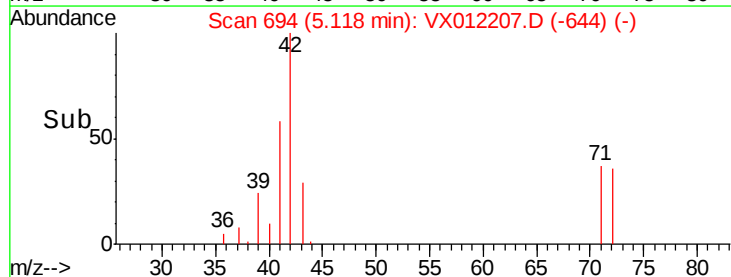
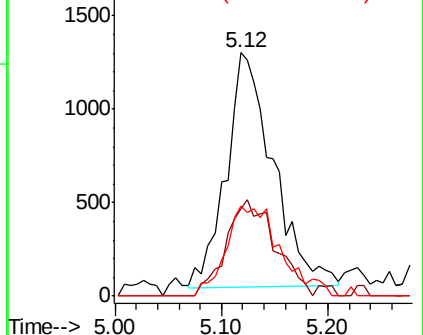
#29

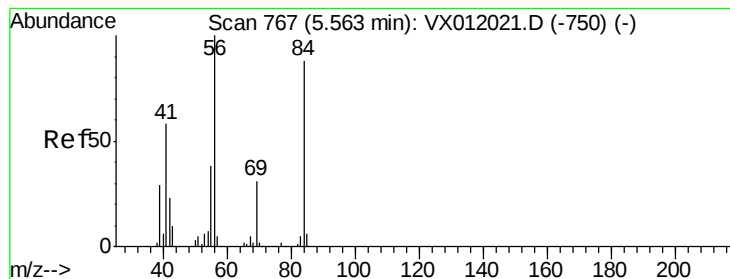
Tetrahydrofuran
 Concen: 10.466 ug/l
 RT: 5.12 min Scan# 694
 Delta R.T. 0.01 min
 Lab File: VX012207.D
 Acq: 08 Sep 2019 07:39

Tgt Ion: 42 Resp: 3903
 Ion Ratio Lower Upper
 42 100
 72 42.4 37.0 55.4
 71 44.1 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: 1.755 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.09 min

Lab File: VX012207.D

Acq: 08 Sep 2019 07:39

Instrument :

MSVOA_X

ClientSampleId :

BFB

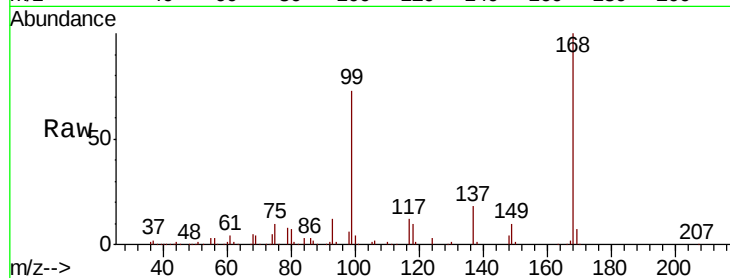
Tgt Ion: 56 Resp: 4378

Ion Ratio Lower Upper

56 100

69 153.2 25.7 38.5#

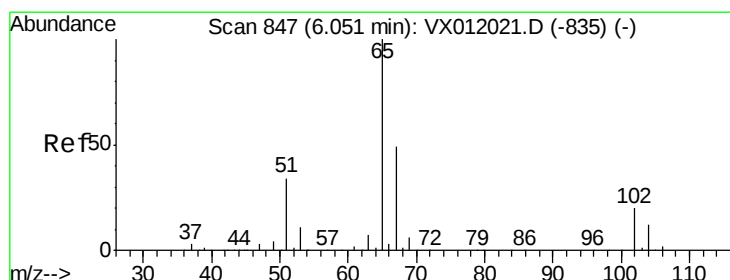
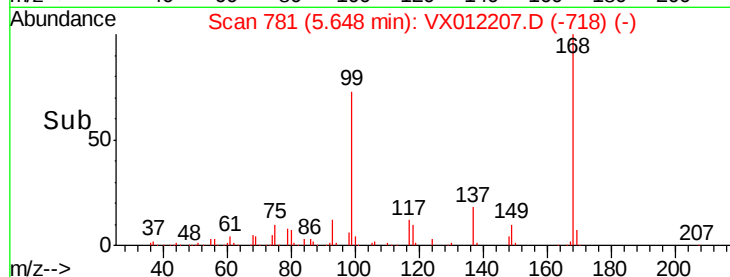
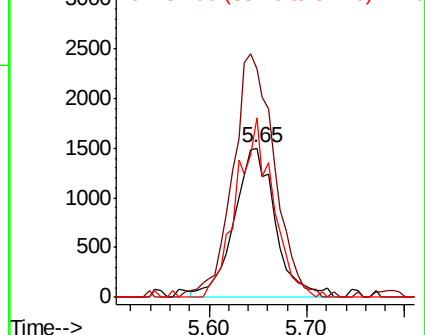
84 120.1 70.3 105.5#



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: 49.911 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012207.D

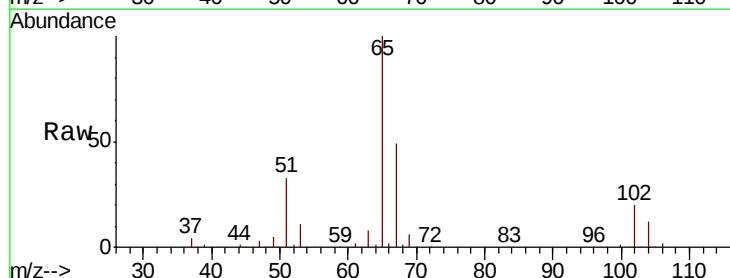
Acq: 08 Sep 2019 07:39

Tgt Ion: 65 Resp: 101535

Ion Ratio Lower Upper

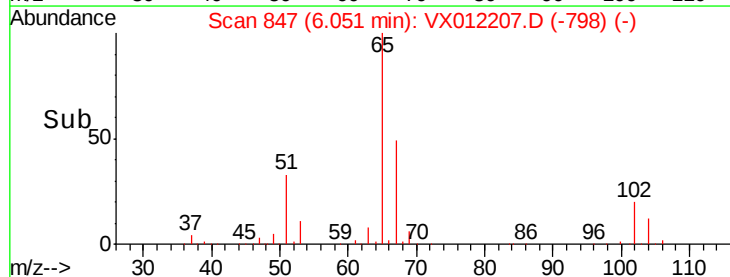
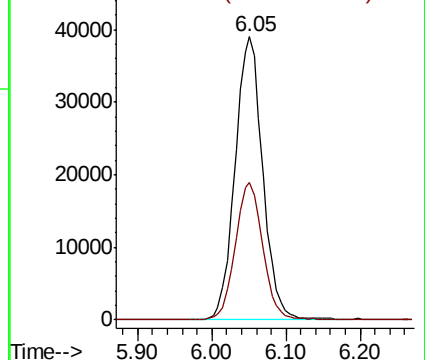
65 100

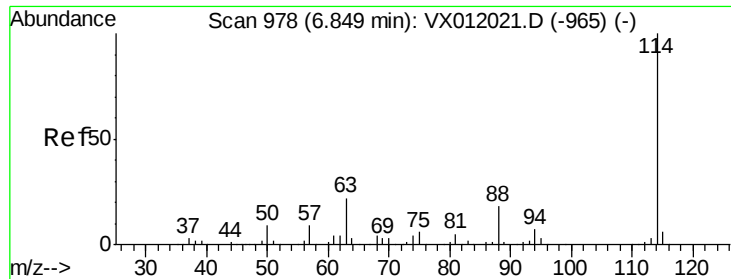
67 48.4 0.0 102.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

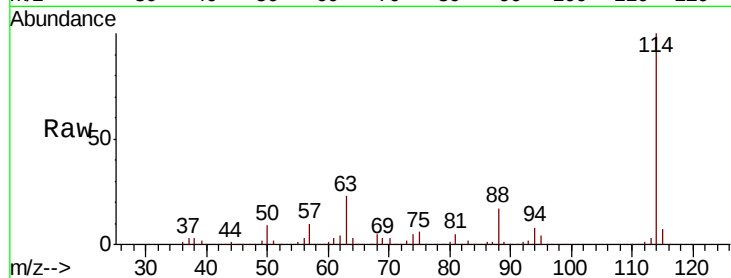




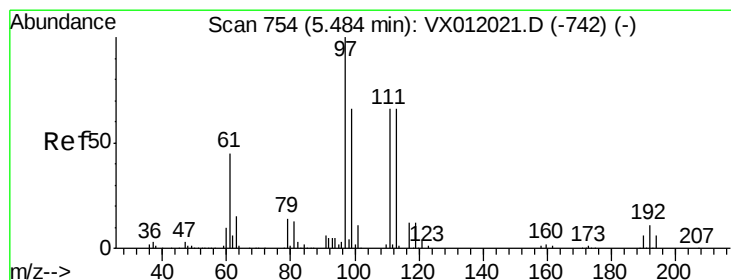
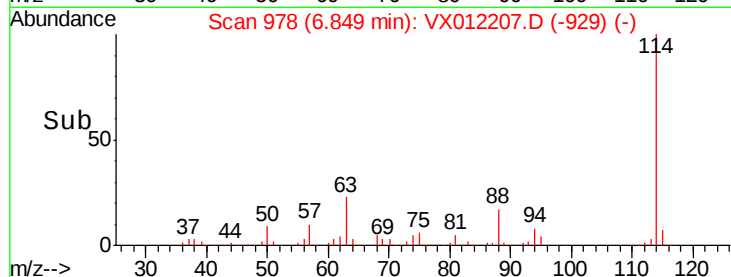
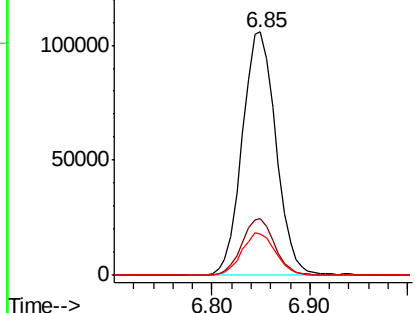
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012207.D
 Acq: 08 Sep 2019 07:39

Instrument :
 MSVOA_X
 ClientSampled :
 BFB

Tgt Ion:114 Resp: 253234
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 37.4
 88 17.2 0.0 29.6

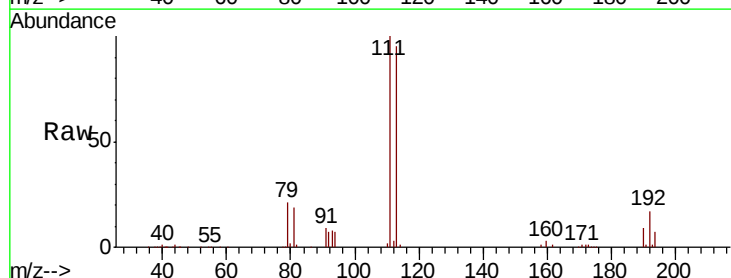


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

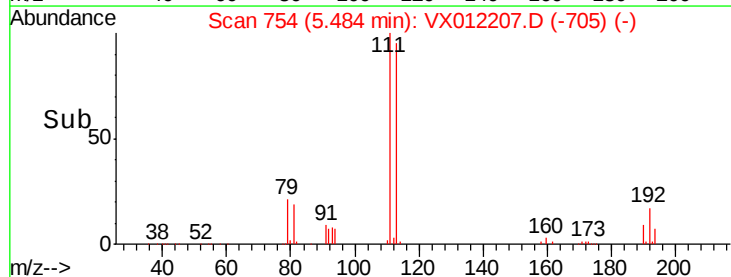
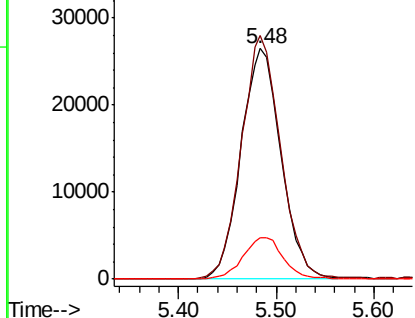


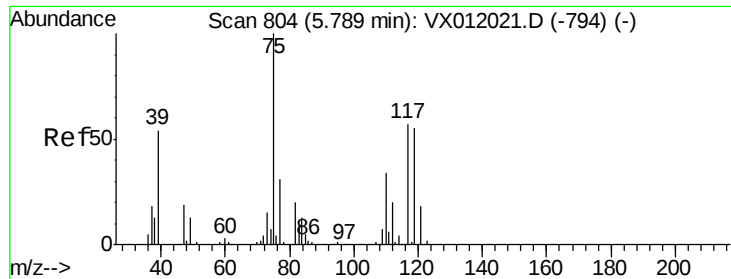
#35
 Dibromofluoromethane
 Concen: 48.481 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX012207.D
 Acq: 08 Sep 2019 07:39

Tgt Ion:113 Resp: 75500
 Ion Ratio Lower Upper
 113 100
 111 103.6 81.7 122.5
 192 18.0 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: 6.112 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012207.D

Acq: 08 Sep 2019 07:39

Instrument :

MSVOA_X

ClientSampleId :

BFB

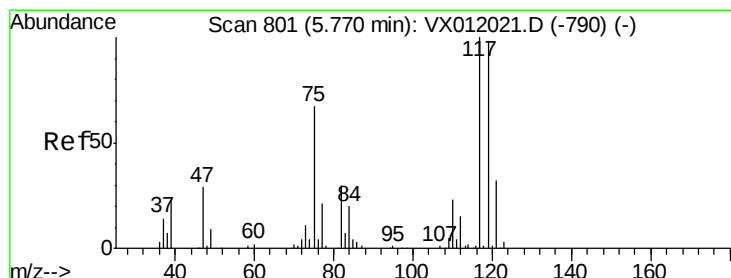
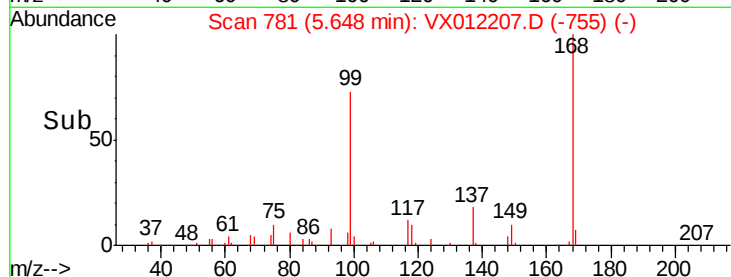
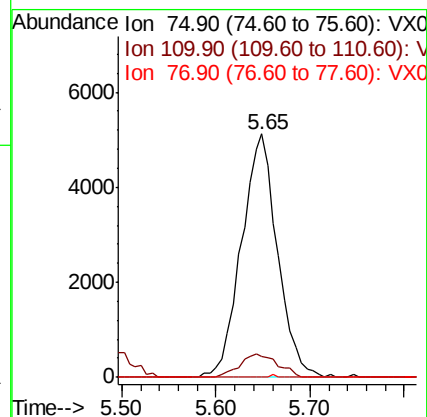
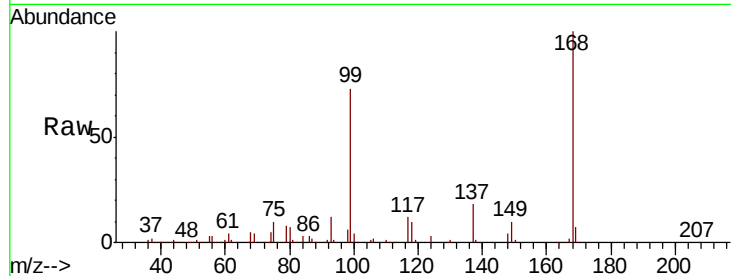
Tgt Ion: 75 Resp: 13633

Ion Ratio Lower Upper

75 100

110 10.0 19.5 58.5#

77 0.2 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 7.567 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.13 min

Lab File: VX012207.D

Acq: 08 Sep 2019 07:39

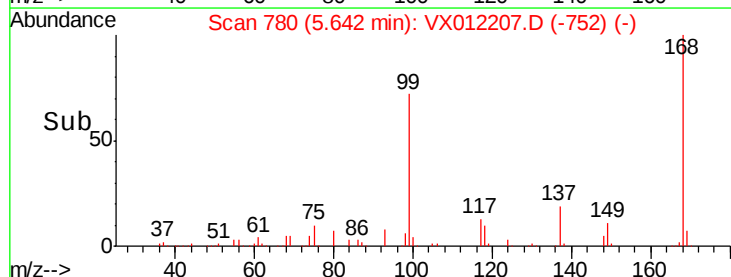
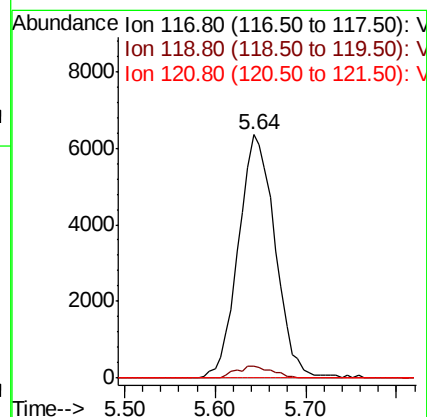
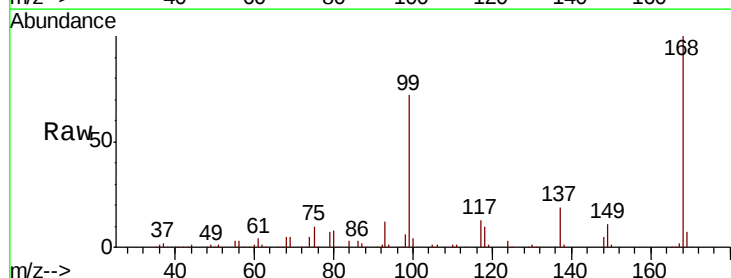
Tgt Ion: 117 Resp: 17784

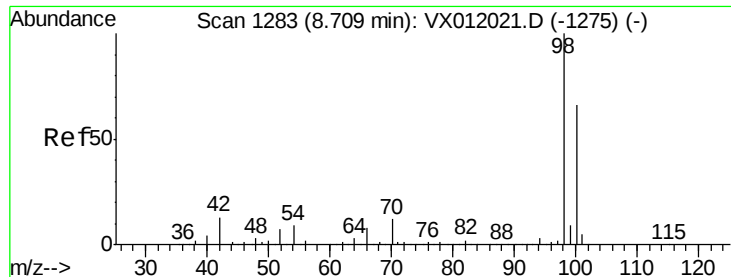
Ion Ratio Lower Upper

117 100

119 4.7 78.3 117.5#

121 0.0 24.2 36.2#

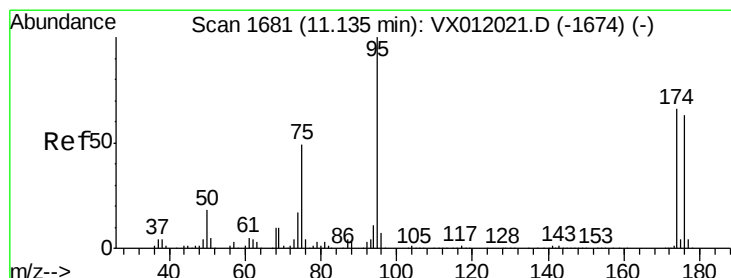
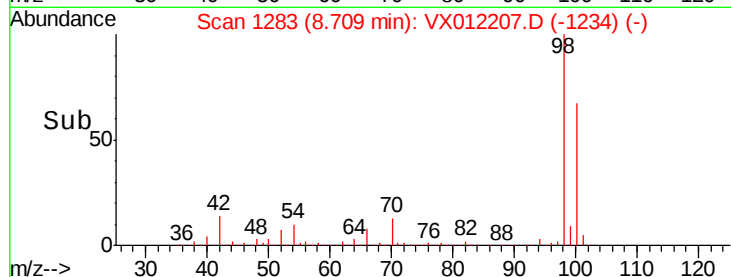
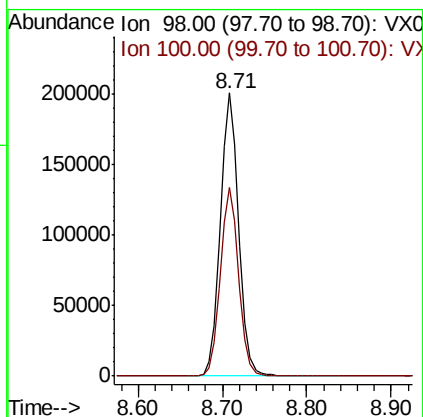
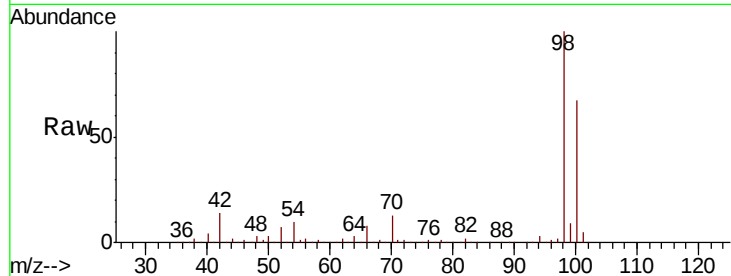




#50
Toluene-d8
Concen: 52.736 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012207.D
Acq: 08 Sep 2019 07:39

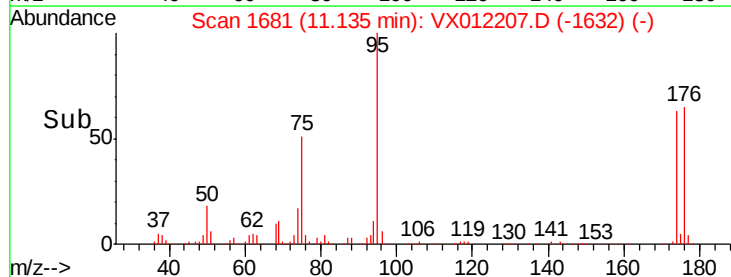
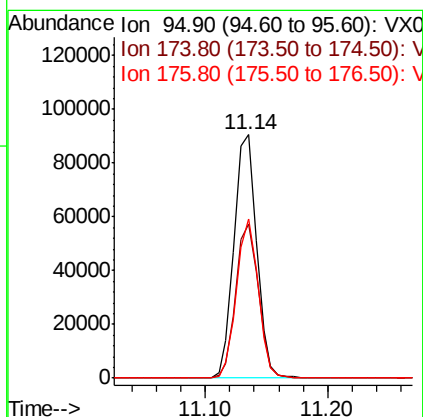
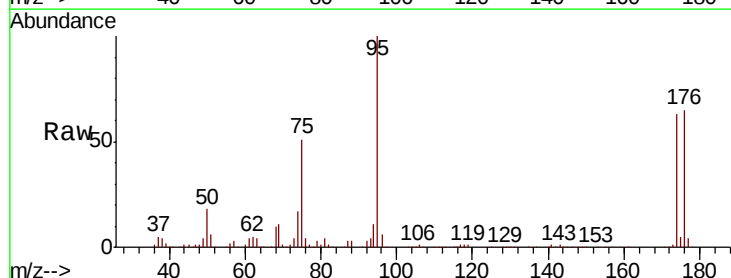
Instrument :
MSVOA_X
ClientSampled :
BFB

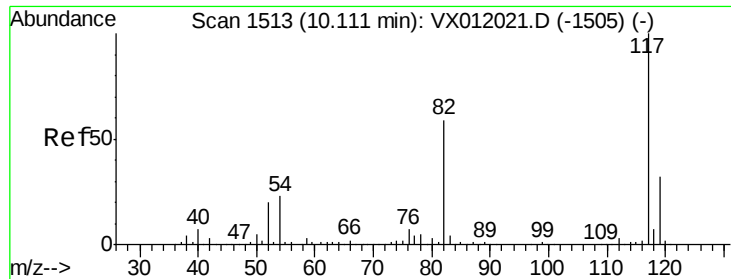
Tgt Ion: 98 Resp: 301365
Ion Ratio Lower Upper
98 100
100 66.6 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 43.712 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX012207.D
Acq: 08 Sep 2019 07:39

Tgt Ion: 95 Resp: 116170
Ion Ratio Lower Upper
95 100
174 63.5 0.0 205.4
176 62.4 0.0 201.8

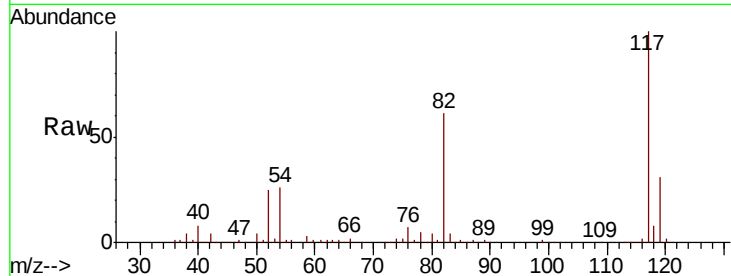




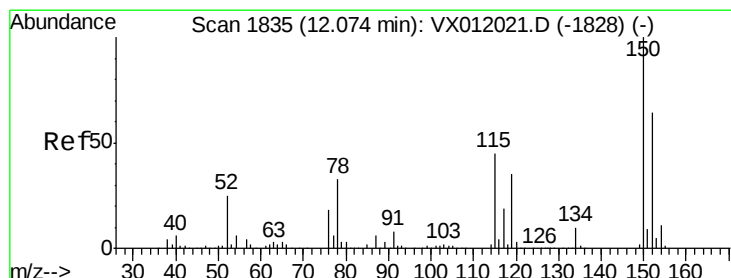
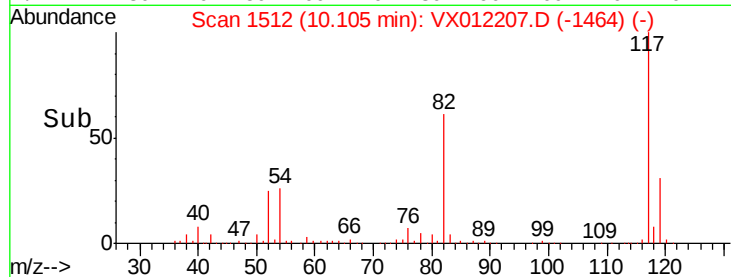
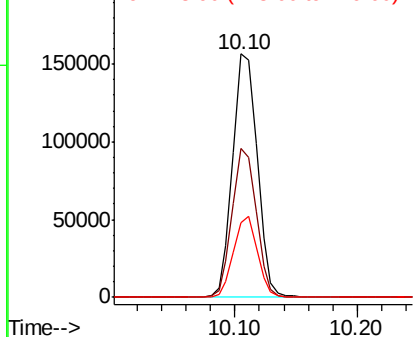
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX012207.D
Acq: 08 Sep 2019 07:39

Instrument :
MSVOA_X
ClientSampled :
BFB

Tgt Ion:117 Resp: 218107
Ion Ratio Lower Upper
117 100
82 61.4 39.4 59.0#
119 30.9 26.1 39.1

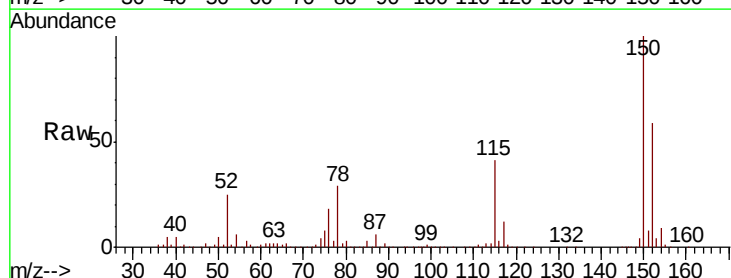


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

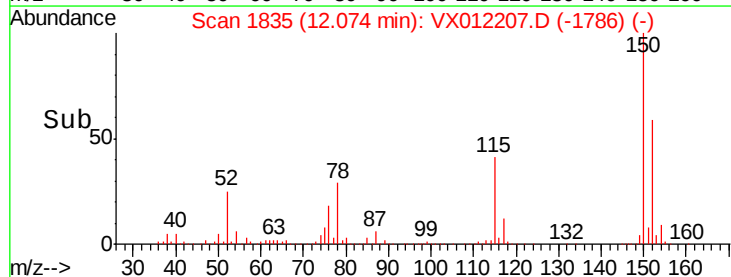
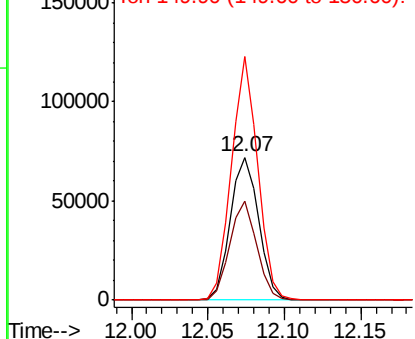


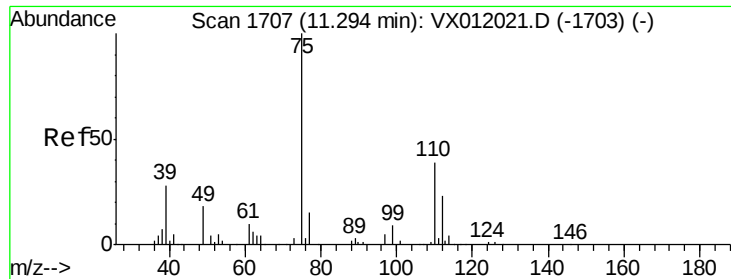
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012207.D
Acq: 08 Sep 2019 07:39

Tgt Ion:152 Resp: 92377
Ion Ratio Lower Upper
152 100
115 66.4 36.4 109.3
150 158.6 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: 53.521 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012207.D

Acq: 08 Sep 2019 07:39

Instrument :

MSVOA_X

ClientSampleId :

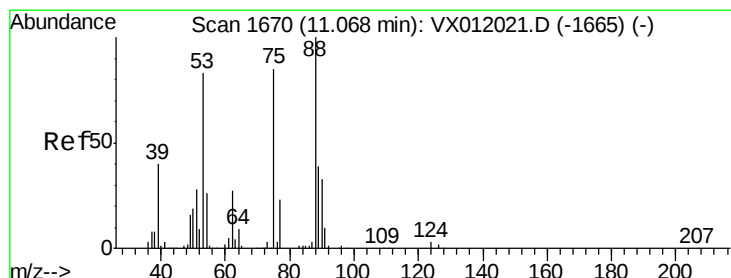
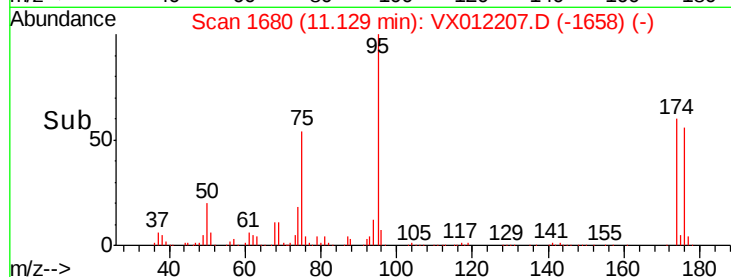
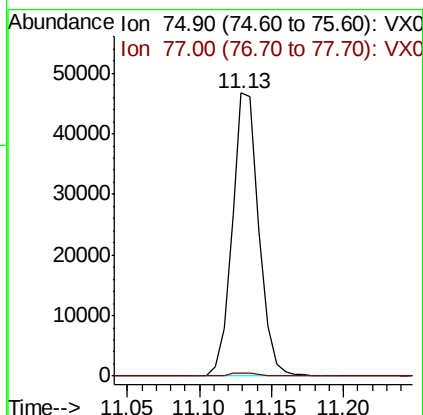
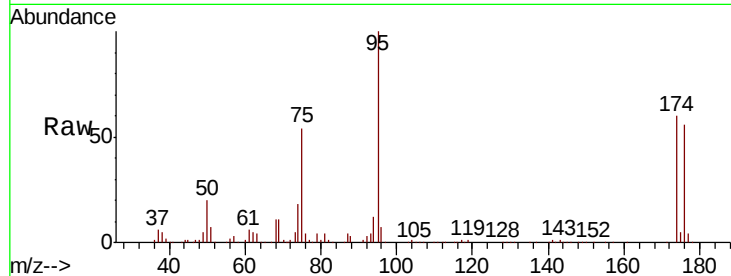
BFB

Tgt Ion: 75 Resp: 60410

Ion Ratio Lower Upper

75 100

77 1.2 23.5 70.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 126.533 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012207.D

Acq: 08 Sep 2019 07:39

Tgt Ion: 75 Resp: 60410

Ion Ratio Lower Upper

75 100

53 0.0 78.6 117.8#

89 0.0 38.8 58.2#

