

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090519\
 Data File : VX012109.D
 Acq On : 05 Sep 2019 19:02
 Operator : SY/SP
 Sample : K4546-13RE
 Misc : 4.59g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T3-S-B1-(0)

Quant Time: Sep 06 05:44:33 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	152095	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	265521	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	229031	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	98600	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	107000	50.99	ug/l	0.00
Spiked Amount			Recovery	=	101.98%	
35) Dibromofluoromethane	5.48	113	79825	48.89	ug/l	0.00
Spiked Amount			Recovery	=	97.78%	
50) Toluene-d8	8.71	98	315048	52.58	ug/l	0.00
Spiked Amount			Recovery	=	105.16%	
62) 4-Bromofluorobenzene	11.14	95	123128	44.19	ug/l	0.00
Spiked Amount			Recovery	=	88.38%	

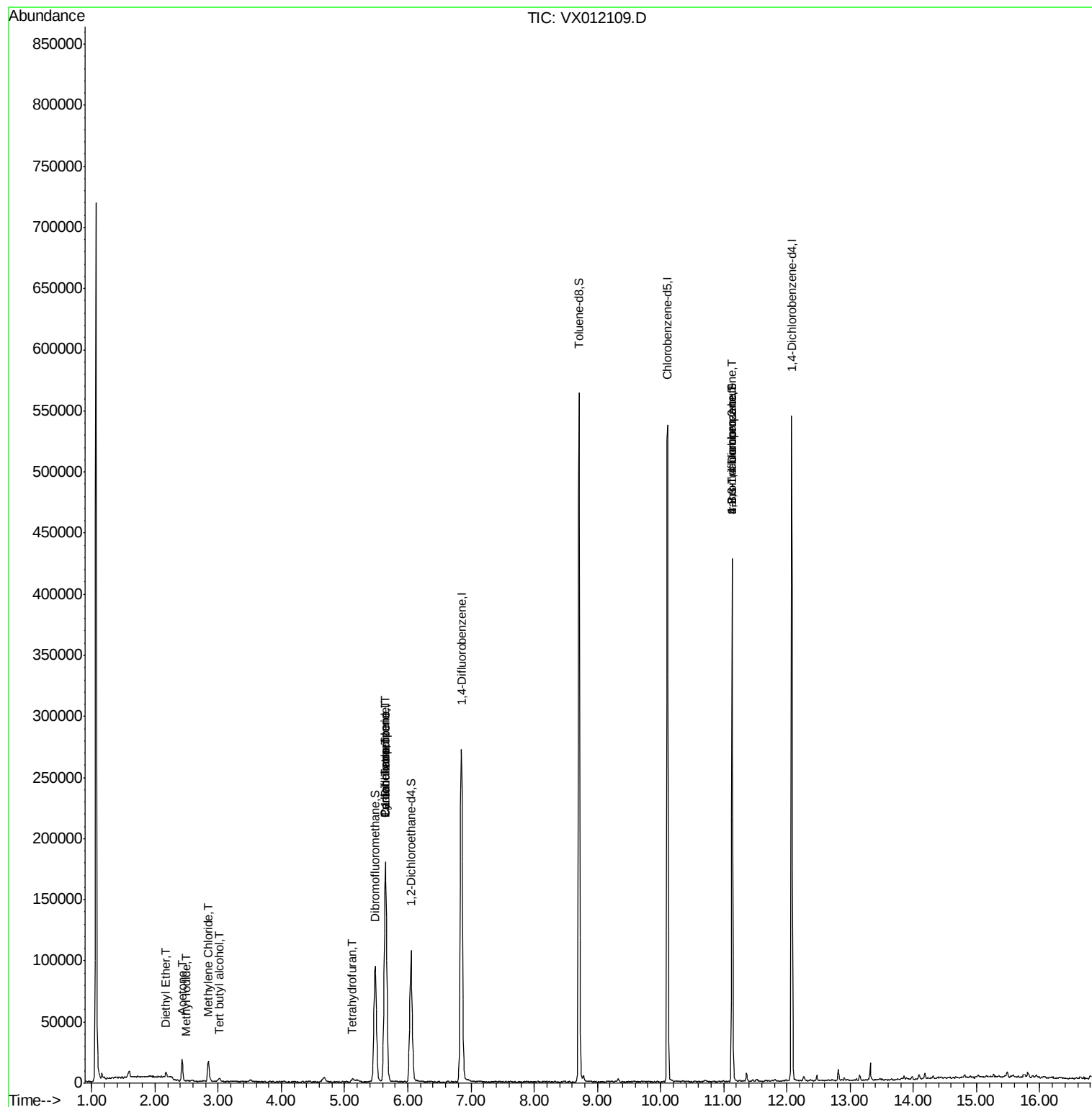
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	1129	1.556	ug/l	98
10) Methyl Iodide	2.50	142	41	7.011	ug/l #	40
11) Tert butyl alcohol	3.03	59	2431	12.060	ug/l #	88
13) Acrolein	2.27	56	113	Below Cal	#	12
16) Acetone	2.43	43	18687	37.254	ug/l	98
20) Methylene Chloride	2.84	84	8385	4.163	ug/l	93
29) Tetrahydrofuran	5.12	42	2587	6.725	ug/l	94
31) Cyclohexane	5.64	56	4208	1.636	ug/l #	16
36) 1,1-Dichloropropene	5.65	75	13894	5.941	ug/l #	50
38) Carbon Tetrachloride	5.64	117	17973	7.294	ug/l #	14
76) 1,2,3-Trichloropropane	11.14	75	65332	54.229	ug/l #	31
81) trans-1,4-Dichloro-2-buten	11.14	75	65332	128.206	ug/l #	10

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

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QLast Update : Tue Sep 03 15:26:48 2019
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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: VX012109.D

Acq: 05 Sep 2019 19:02

Instrument :

MSVOA_X

ClientSampleId :

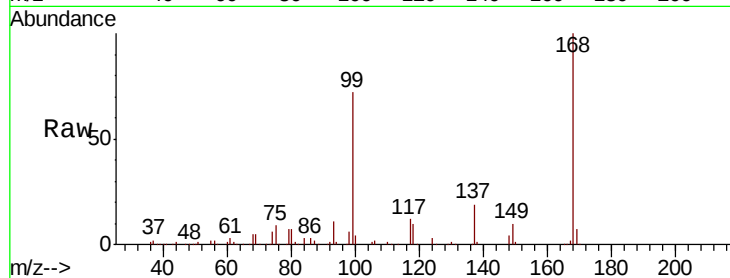
T3-S-B1-(0)

Tgt Ion:168 Resp: 152095

Ion Ratio Lower Upper

168 100

99 71.8 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

50000

40000

30000

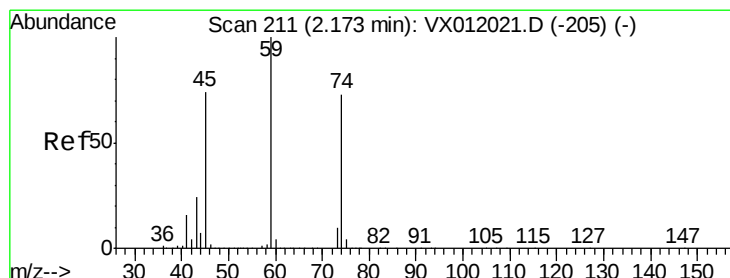
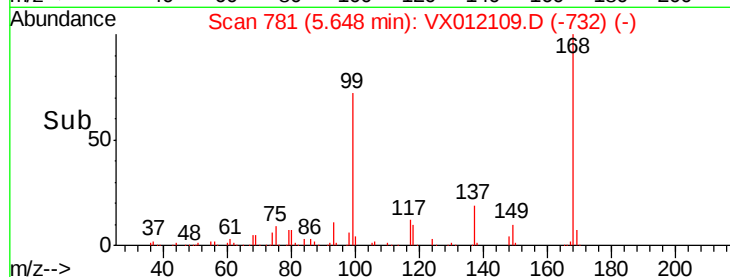
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#8

Diethyl Ether

Concen: 1.556 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX012109.D

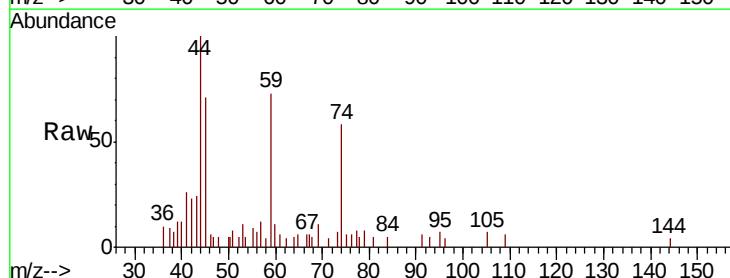
Acq: 05 Sep 2019 19:02

Tgt Ion: 74 Resp: 1129

Ion Ratio Lower Upper

74 100

45 93.6 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

1000

800

600

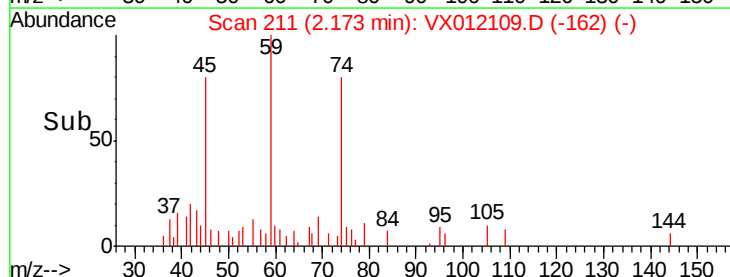
400

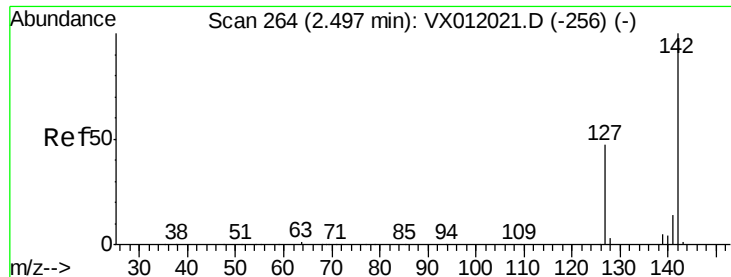
200

0

Time-->

2.10 2.15 2.20

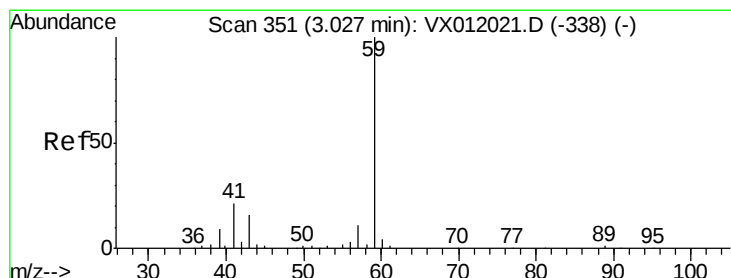
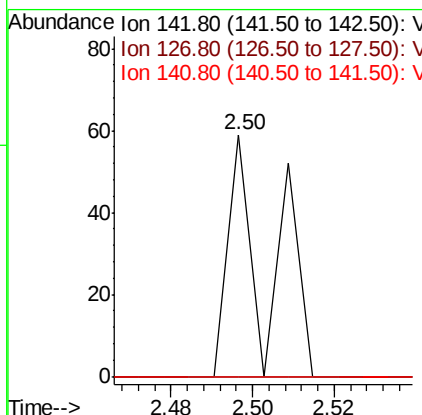
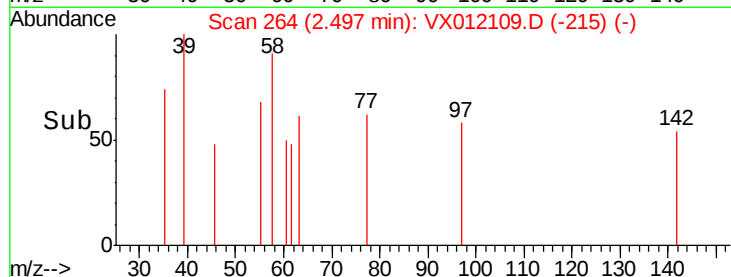
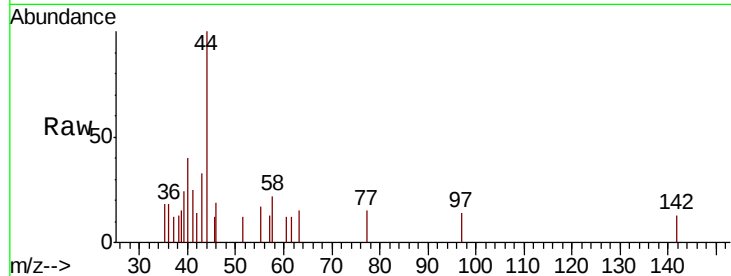




#10
Methyl Iodide
Concen: 7.011 ug/l
RT: 2.50 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX012109.D
Acq: 05 Sep 2019 19:02

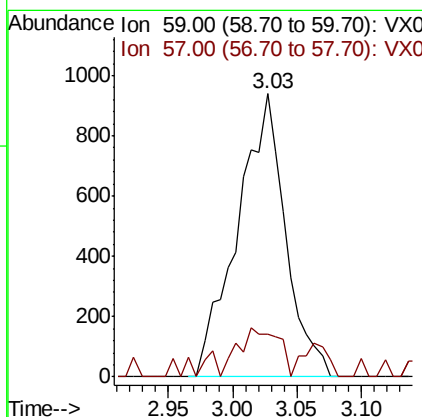
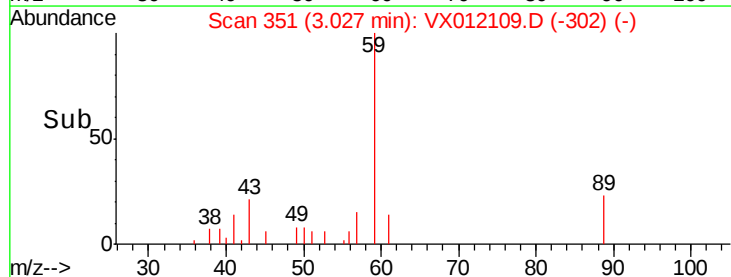
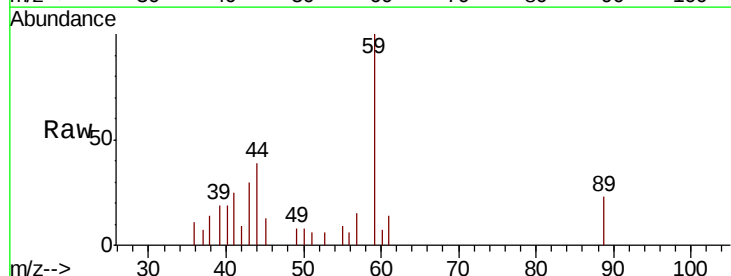
Instrument :
MSVOA_X
ClientSampleId :
T3-S-B1-(0)

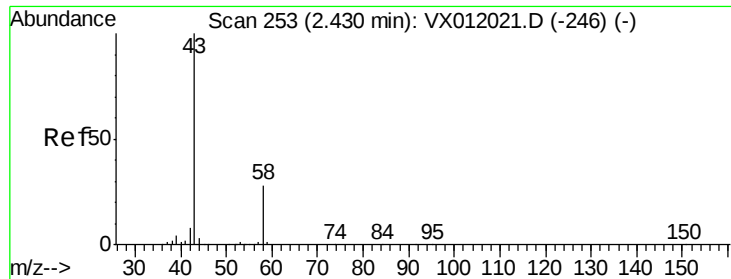
Tgt Ion	Ratio	Lower	Upper
142	100		
127	0.0	35.4	53.2#
141	0.0	11.4	17.2#



#11
Tert butyl alcohol
Concen: 12.060 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX012109.D
Acq: 05 Sep 2019 19:02

Tgt Ion	Ratio	Lower	Upper
59	100		
57	14.4	7.9	11.9#





#16

Acetone

Concen: 37.254 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012109.D

Acq: 05 Sep 2019 19:02

Instrument :

MSVOA_X

ClientSampleId :

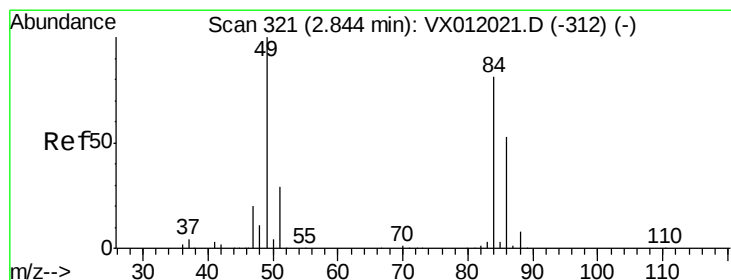
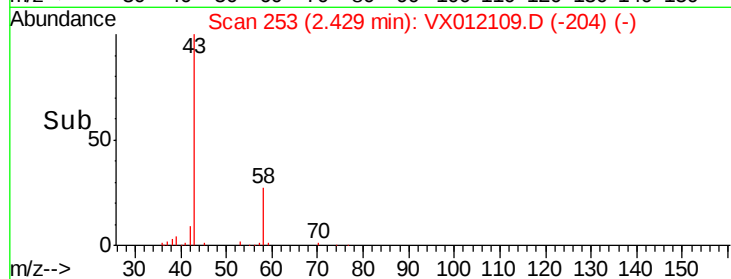
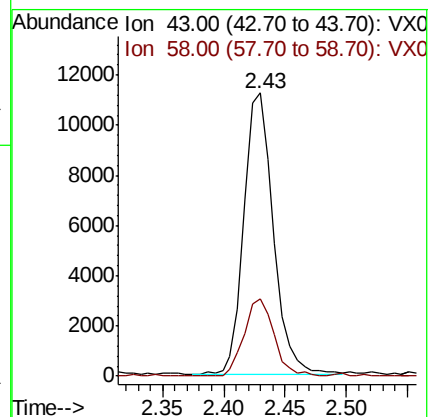
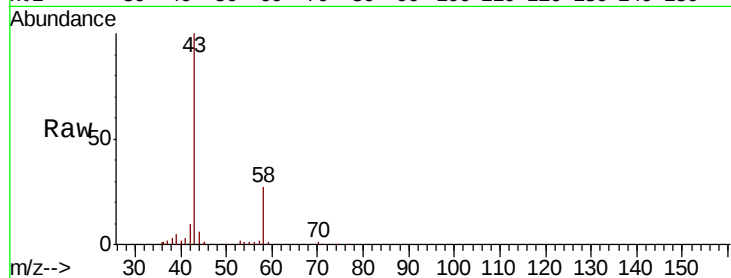
T3-S-B1-(0)

Tgt Ion: 43 Resp: 18687

Ion Ratio Lower Upper

43 100

58 27.3 22.8 34.2



#20

Methylene Chloride

Concen: 4.163 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX012109.D

Acq: 05 Sep 2019 19:02

Tgt Ion: 84 Resp: 8385

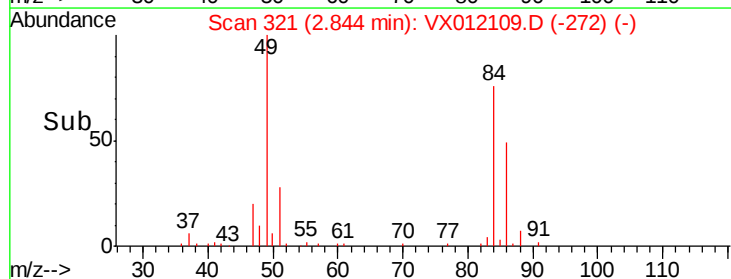
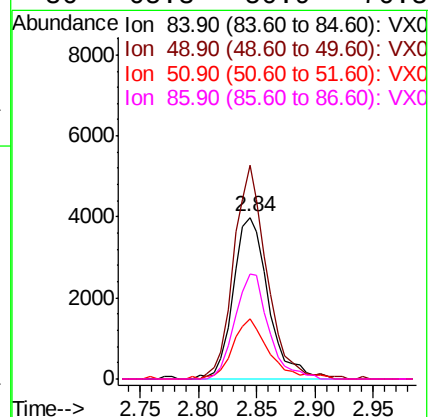
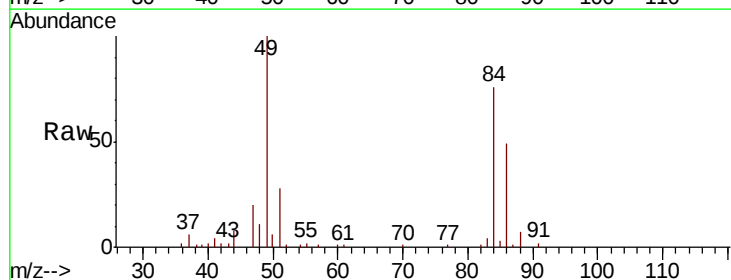
Ion Ratio Lower Upper

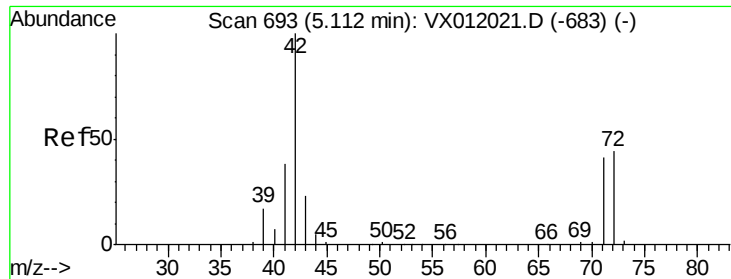
84 100

49 132.3 95.8 143.8

51 37.2 28.6 43.0

86 65.3 50.9 76.3

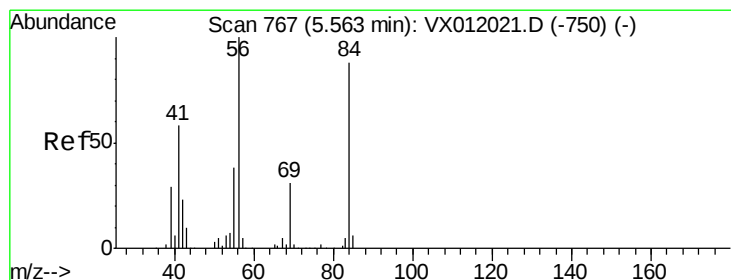
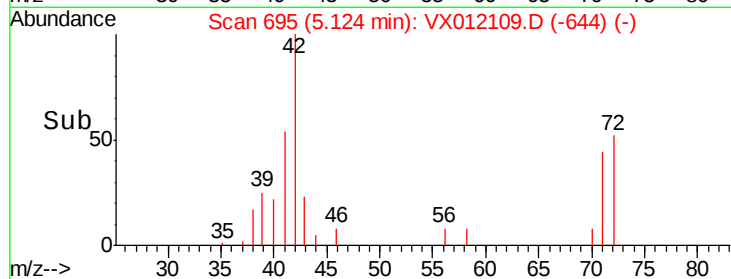
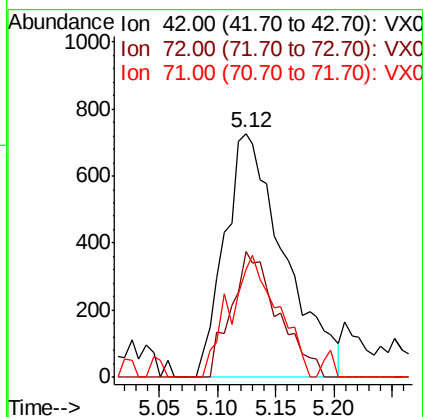
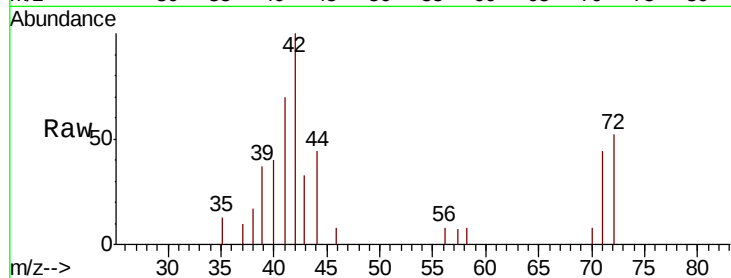




#29
Tetrahydrofuran
Concen: 6.725 ug/l
RT: 5.12 min Scan# 695
Delta R.T. 0.01 min
Lab File: VX012109.D
Acq: 05 Sep 2019 19:02

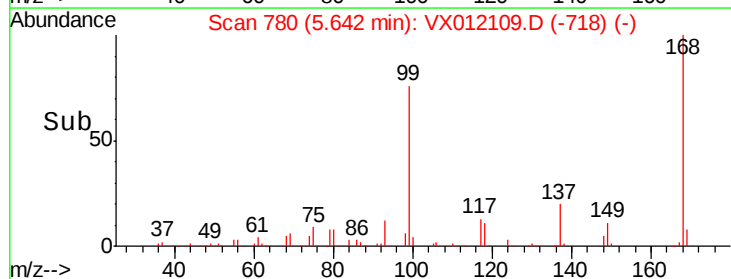
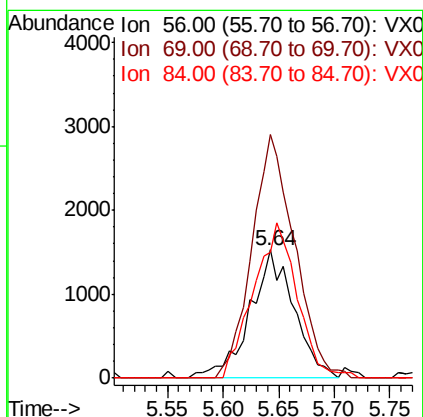
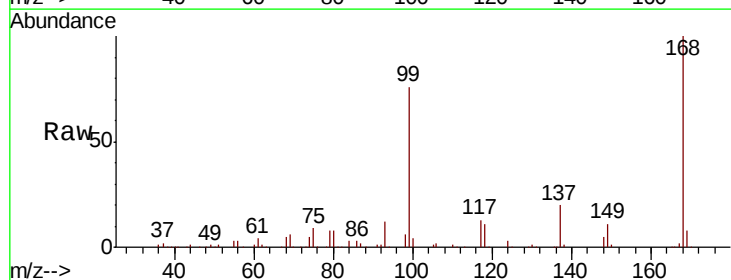
Instrument :
MSVOA_X
ClientSampled :
T3-S-B1-(0)

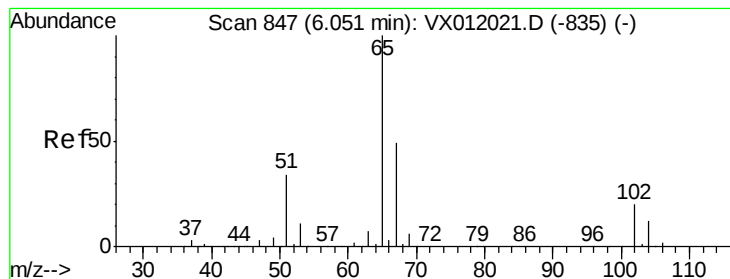
Tgt Ion: 42 Resp: 2587
Ion Ratio Lower Upper
42 100
72 40.8 37.0 55.4
71 40.4 33.8 50.8



#31
Cyclohexane
Concen: 1.636 ug/l
RT: 5.64 min Scan# 780
Delta R.T. 0.08 min
Lab File: VX012109.D
Acq: 05 Sep 2019 19:02

Tgt Ion: 56 Resp: 4208
Ion Ratio Lower Upper
56 100
69 189.9 25.7 38.5#
84 98.6 70.3 105.5





#33

1,2-Dichloroethane-d4

Concen: 50.986 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012109.D

Acq: 05 Sep 2019 19:02

Instrument :

MSVOA_X

ClientSampleId :

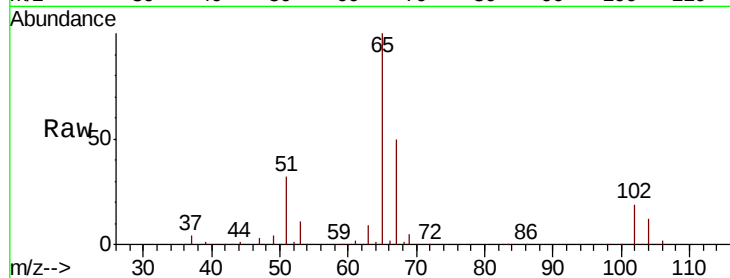
T3-S-B1-(0)

Tgt Ion: 65 Resp: 107000

Ion Ratio Lower Upper

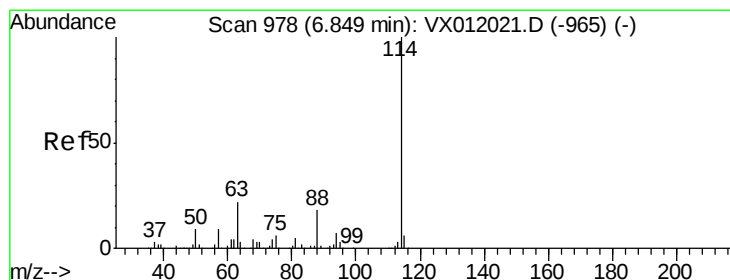
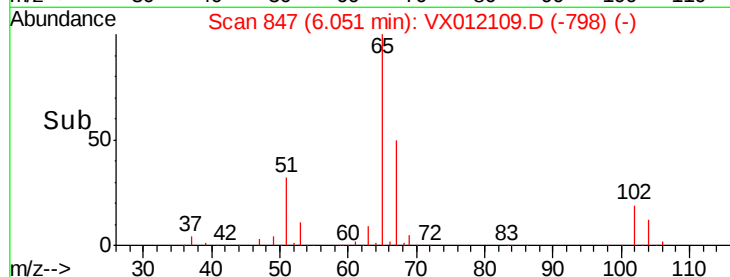
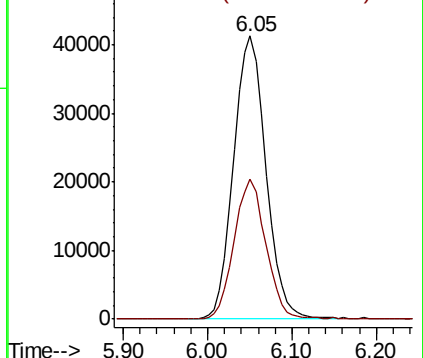
65 100

67 48.9 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: VX012109.D

Acq: 05 Sep 2019 19:02

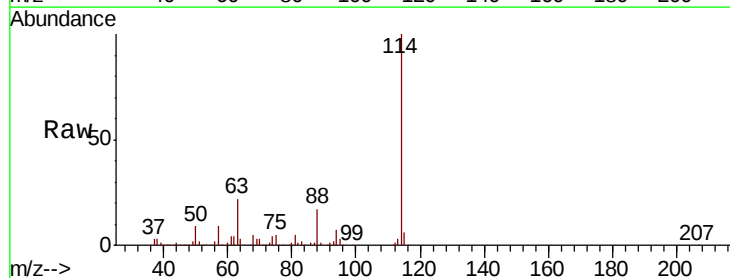
Tgt Ion: 114 Resp: 265521

Ion Ratio Lower Upper

114 100

63 22.2 0.0 37.4

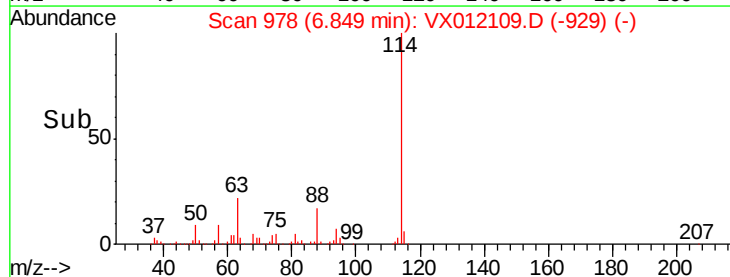
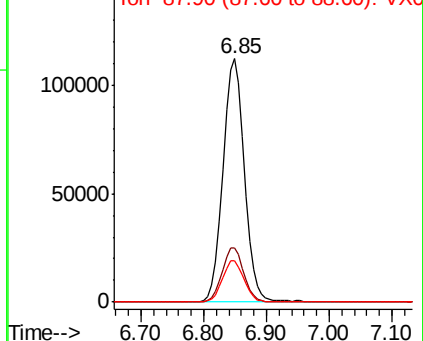
88 17.1 0.0 29.6

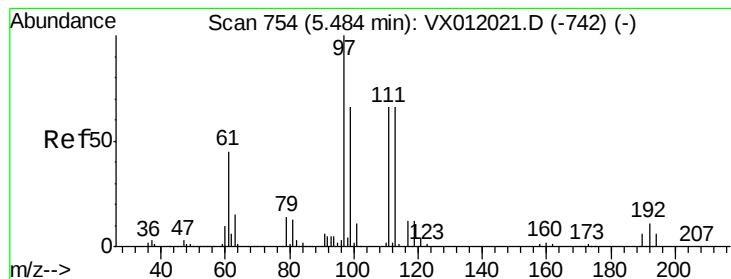


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.886 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012109.D

Acq: 05 Sep 2019 19:02

Instrument :

MSVOA_X

ClientSampleId :

T3-S-B1-(0)

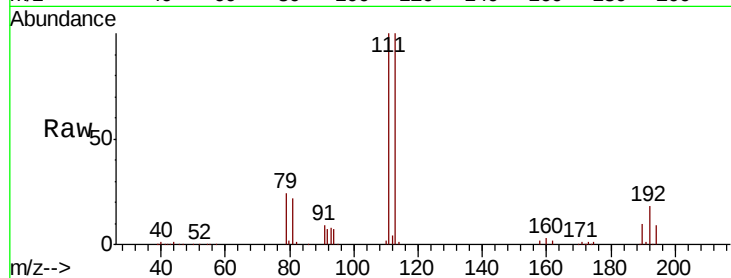
Tgt Ion:113 Resp: 79825

Ion Ratio Lower Upper

113 100

111 102.7 81.7 122.5

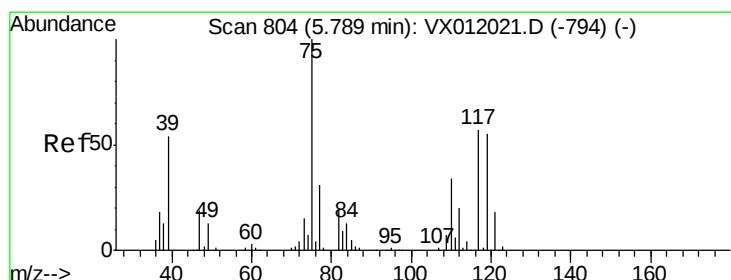
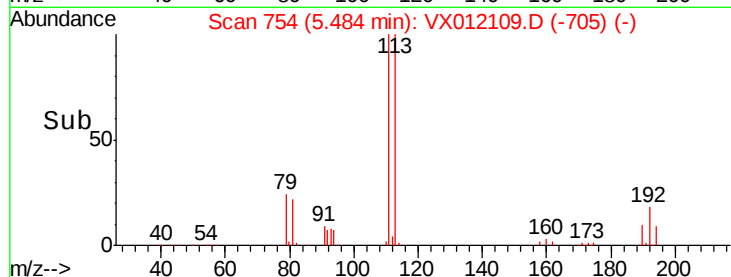
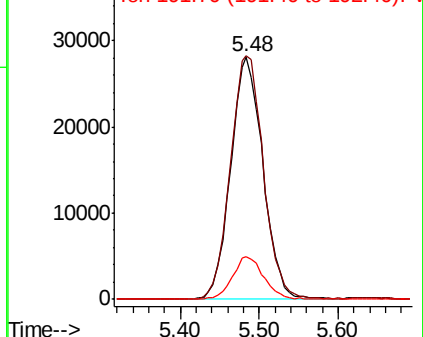
192 17.0 22.5 33.7#



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: 5.941 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012109.D

Acq: 05 Sep 2019 19:02

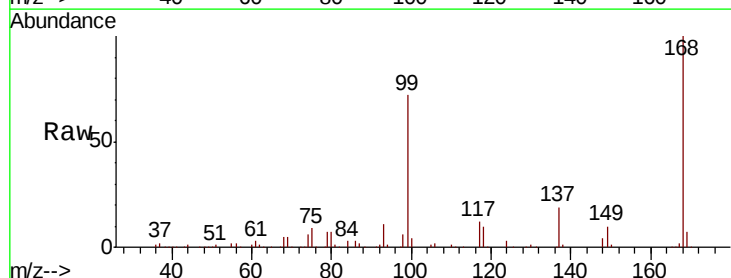
Tgt Ion: 75 Resp: 13894

Ion Ratio Lower Upper

75 100

110 12.0 19.5 58.5#

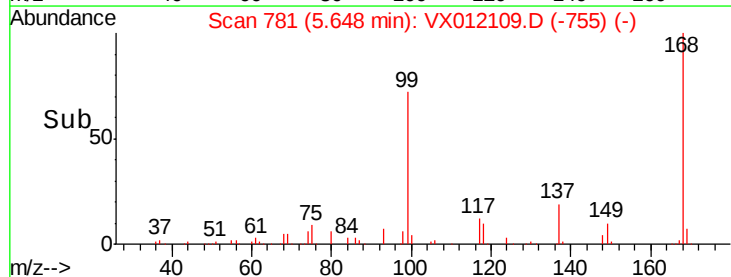
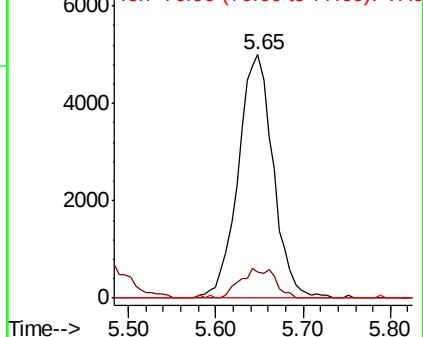
77 0.0 24.6 37.0#

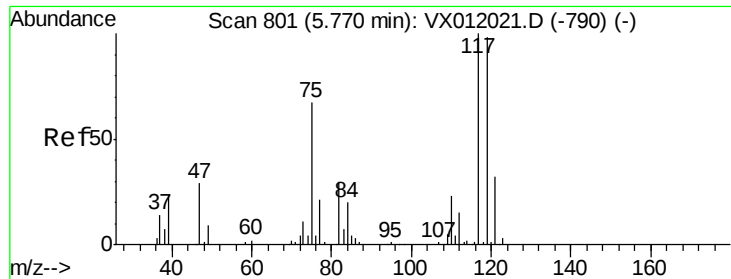


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

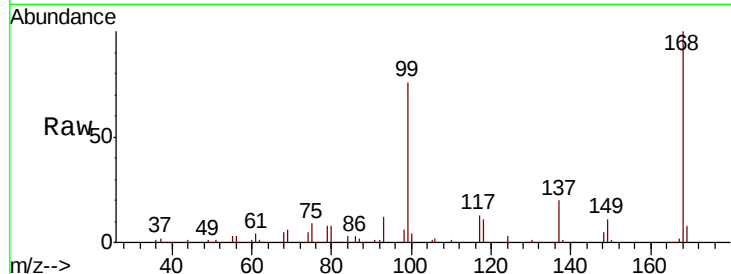




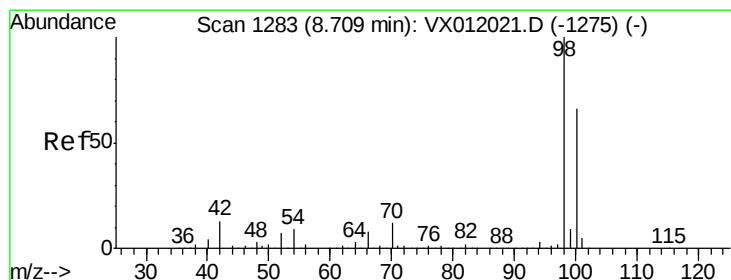
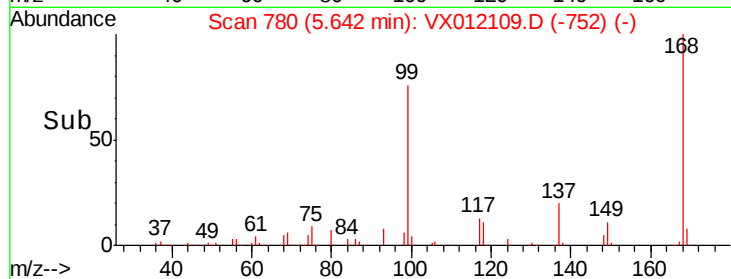
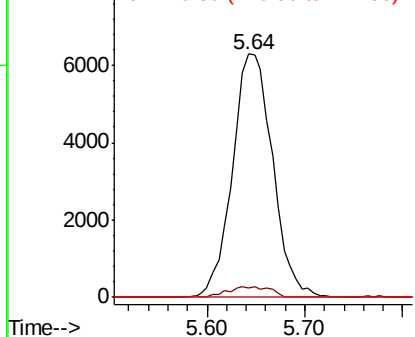
#38
Carbon Tetrachloride
Concen: 7.294 ug/l
RT: 5.64 min Scan# 780
Delta R.T. -0.13 min
Lab File: VX012109.D
Acq: 05 Sep 2019 19:02

Instrument :
MSVOA_X
ClientSampleId :
T3-S-B1-(0)

Tgt Ion:117 Resp: 17973
Ion Ratio Lower Upper
117 100
119 3.6 78.3 117.5#
121 0.0 24.2 36.2#

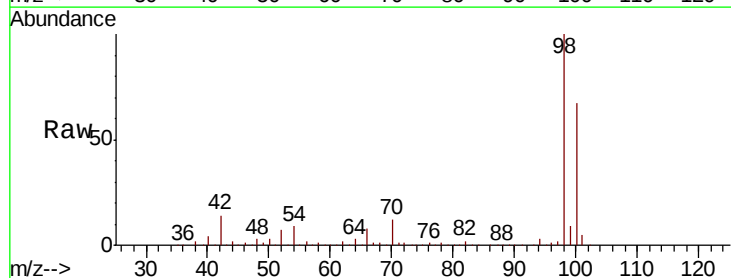


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

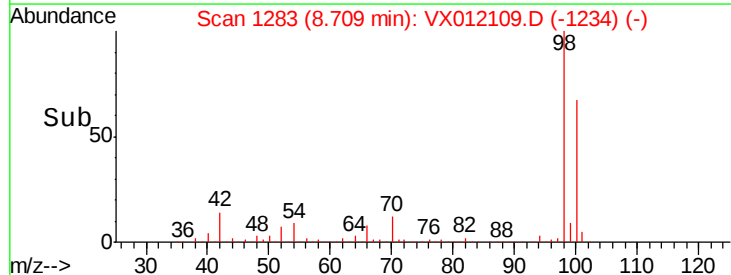
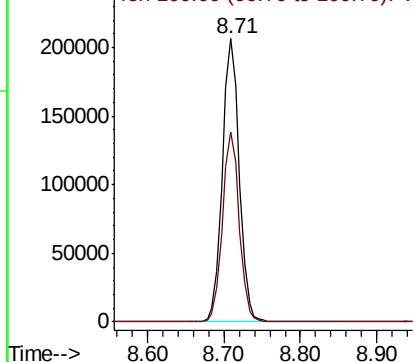


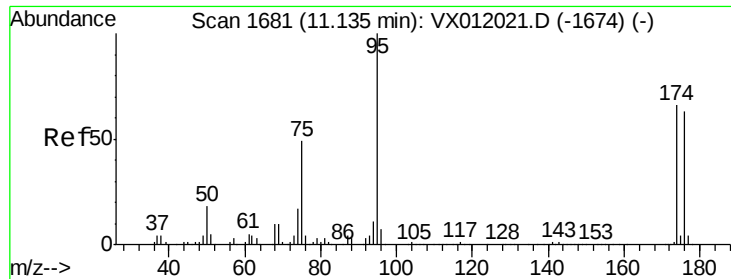
#50
Toluene-d8
Concen: 52.579 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012109.D
Acq: 05 Sep 2019 19:02

Tgt Ion: 98 Resp: 315048
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

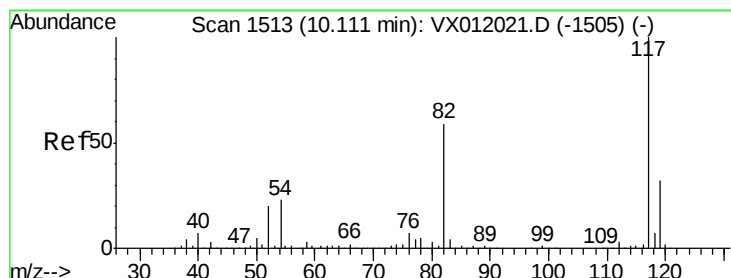
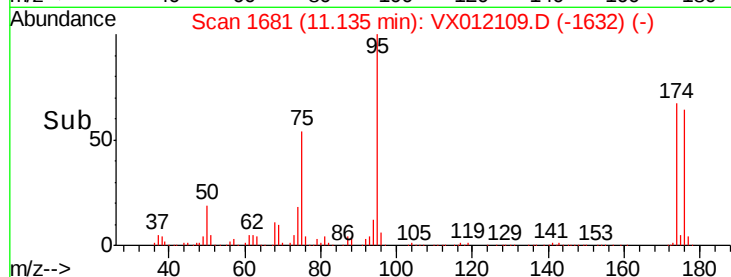
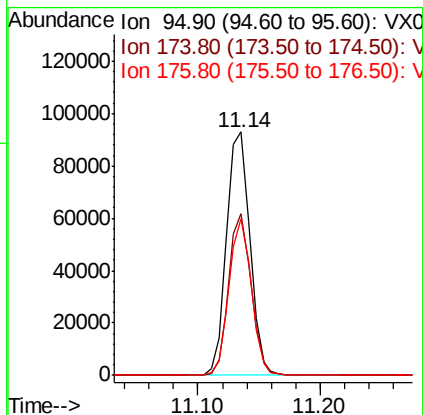
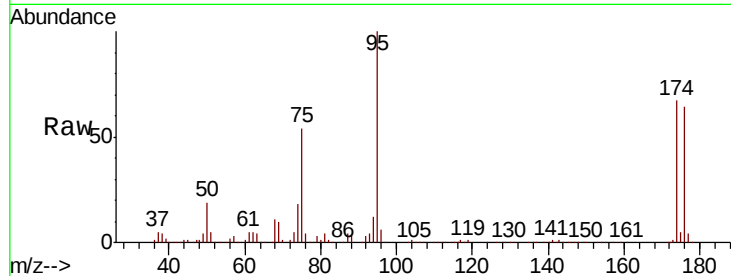




#62
4-Bromofluorobenzene
Concen: 44.186 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX012109.D
Acq: 05 Sep 2019 19:02

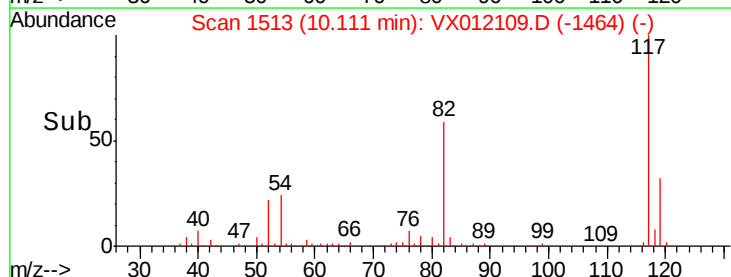
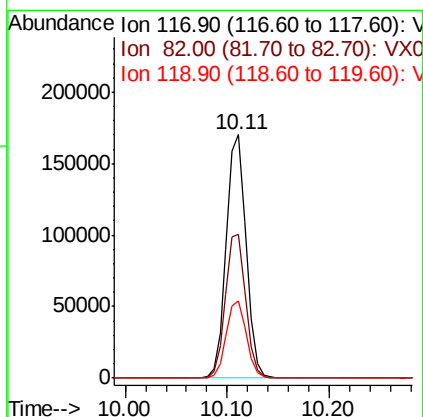
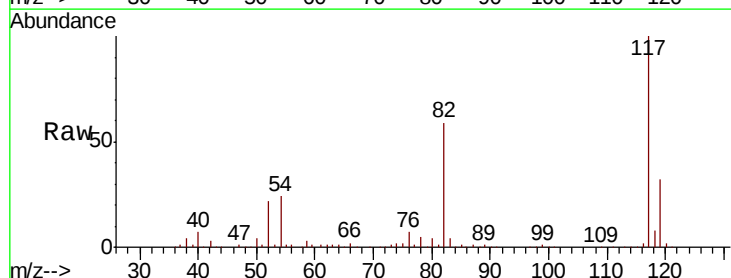
Instrument :
MSVOA_X
ClientSampleId :
T3-S-B1-(0)

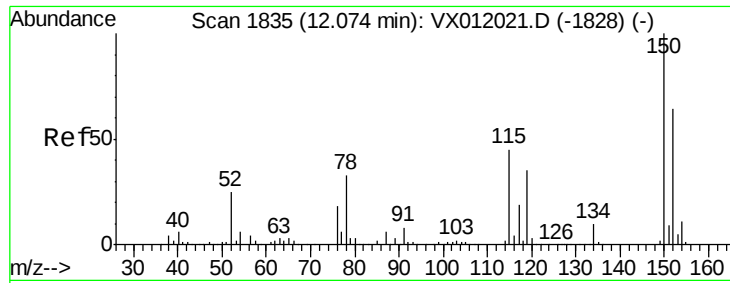
Tgt Ion: 95 Resp: 123128
Ion Ratio Lower Upper
95 100
174 63.7 0.0 205.4
176 61.3 0.0 201.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012109.D
Acq: 05 Sep 2019 19:02

Tgt Ion: 117 Resp: 229031
Ion Ratio Lower Upper
117 100
82 59.2 39.4 59.0#
119 31.6 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: VX012109.D

Acq: 05 Sep 2019 19:02

Instrument :

MSVOA_X

ClientSampleId :

T3-S-B1-(0)

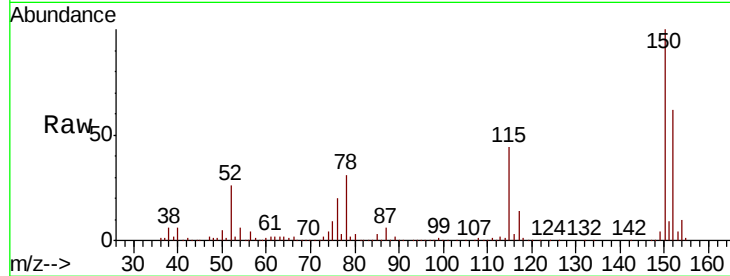
Tgt Ion:152 Resp: 98600

Ion Ratio Lower Upper

152 100

115 65.6 36.4 109.3

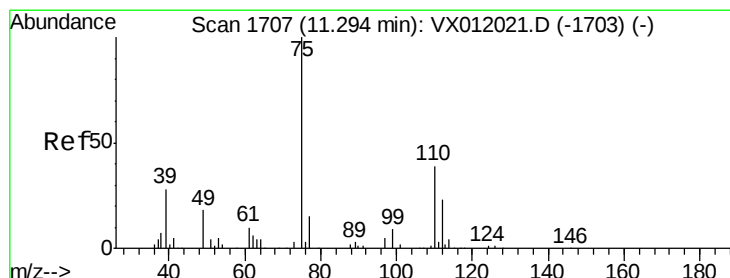
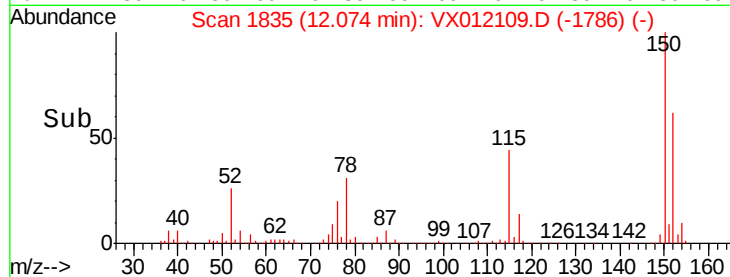
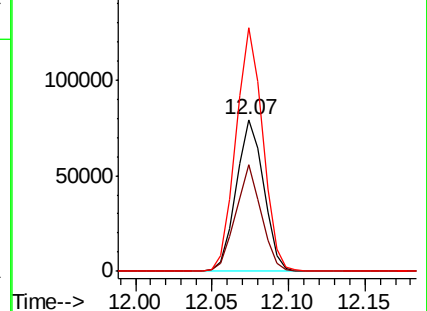
150 157.4 0.0 341.2



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: 54.229 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012109.D

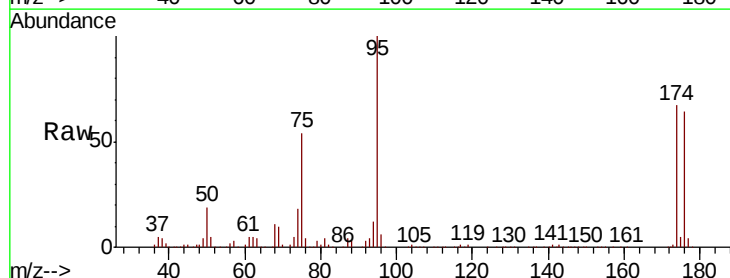
Acq: 05 Sep 2019 19:02

Tgt Ion: 75 Resp: 65332

Ion Ratio Lower Upper

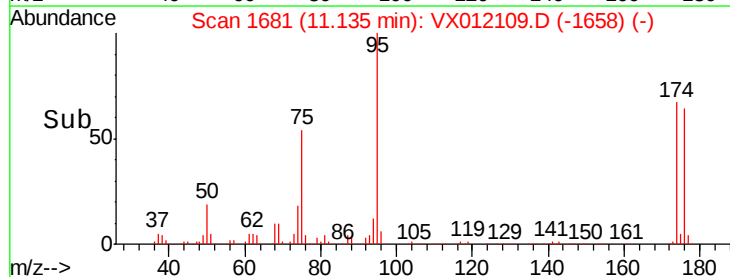
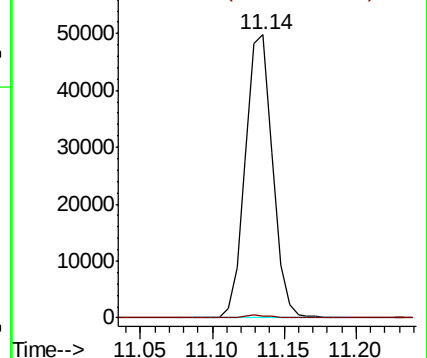
75 100

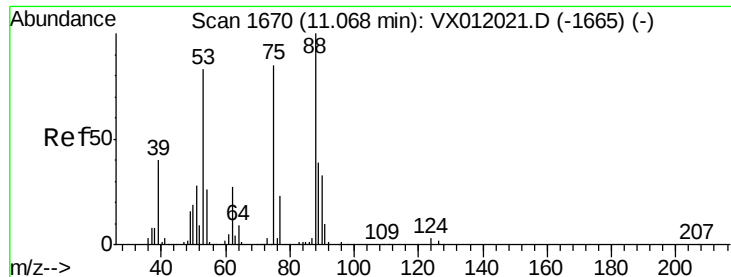
77 1.1 23.5 70.5#



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: 128.206 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012109.D

Acq: 05 Sep 2019 19:02

Instrument :

MSVOA_X

ClientSampleId :

T3-S-B1-(0)

Tgt Ion: 75 Resp: 65332

Ion Ratio Lower Upper

75 100

53 0.2 78.6 117.8#

89 0.0 38.8 58.2#

