

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091319\
 Data File : VX012389.D
 Acq On : 13 Sep 2019 16:21
 Operator : SY/SP
 Sample : K4695-10
 Misc : 5.10g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T5-2-(2.5)

Quant Time: Sep 14 00:05:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 12:55:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	161721	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	275006	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	240457	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	103736	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	106466	46.56	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.12%	
35) Dibromofluoromethane	5.48	113	80601	45.72	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	91.44%	
50) Toluene-d8	8.71	98	324710	52.52	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.04%	
62) 4-Bromofluorobenzene	11.14	95	120770	42.13	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	84.26%	

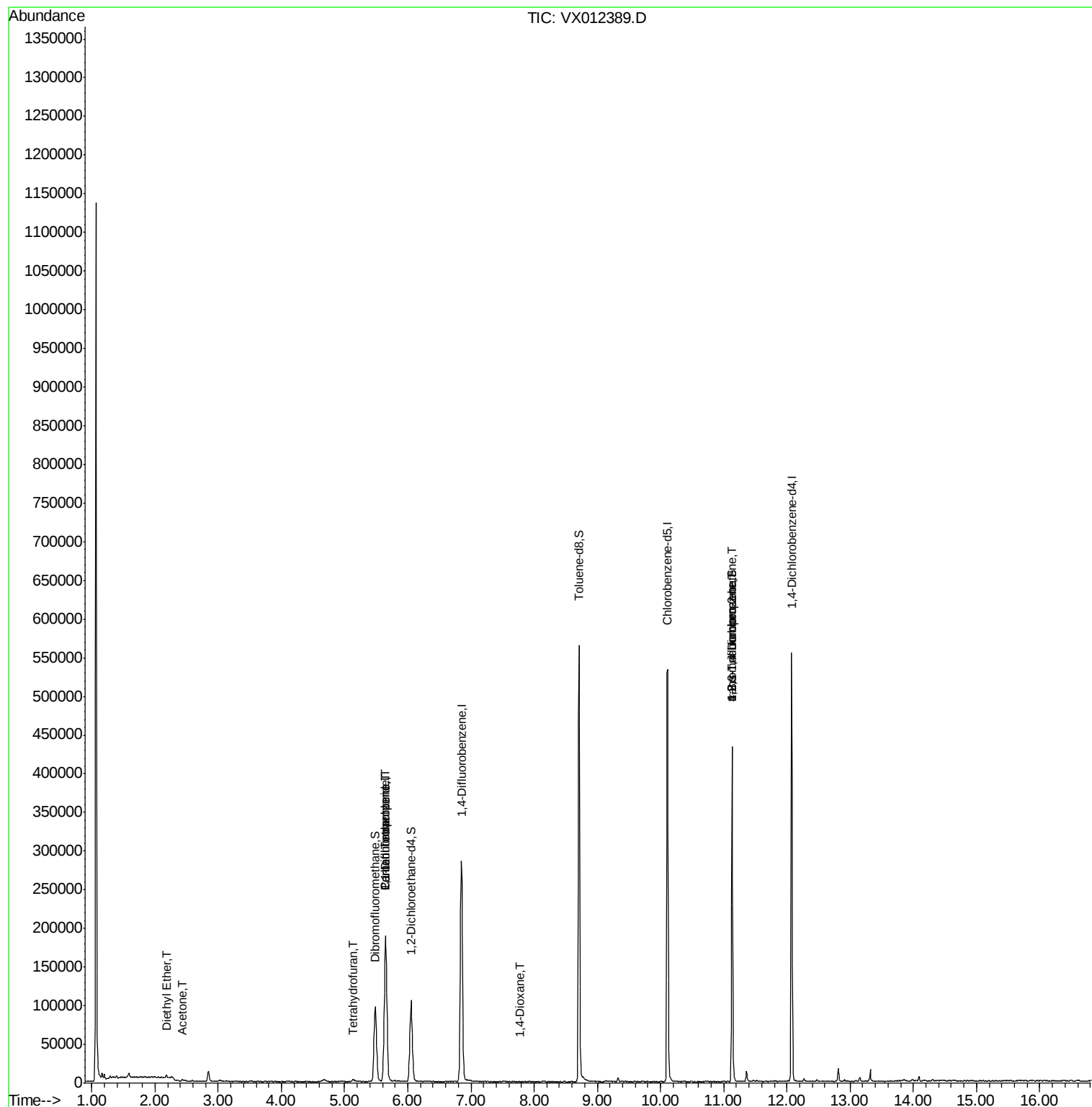
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	225	Below Cal	#	33
8) Diethyl Ether	2.18	74	800	1.096	ug/l	78
11) Tert butyl alcohol	3.03	59	1552	Below Cal	#	63
16) Acetone	2.43	43	2002	3.699	ug/l #	84
29) Tetrahydrofuran	5.14	42	2920	7.822	ug/l	93
36) 1,1-Dichloropropene	5.65	75	14577	7.269	ug/l #	52
38) Carbon Tetrachloride	5.65	117	18171	7.724	ug/l #	15
49) 1,4-Dioxane	7.77	88	25	1.481	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	63906	47.954	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	63906	143.682	ug/l #	5

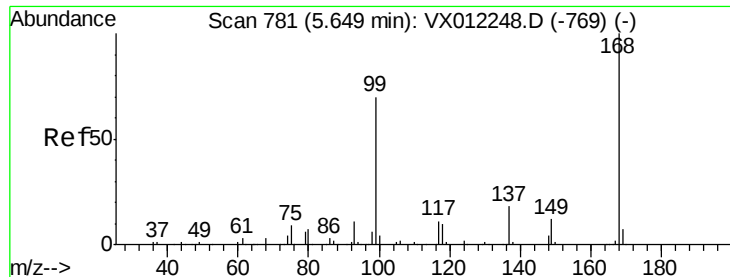
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX091319\
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Quant Time: Sep 14 00:05:09 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 10 12:55:26 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: VX012389.D

Acq: 13 Sep 2019 16:21

Instrument :

MSVOA_X

ClientSampleId :

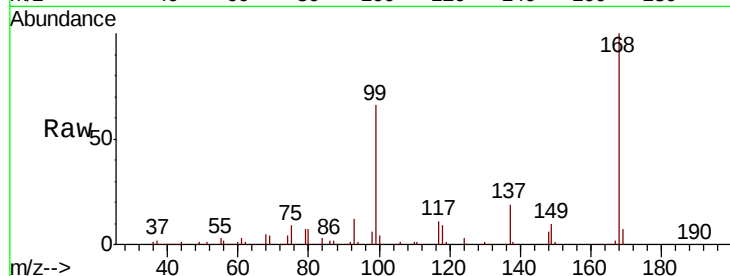
T5-2-(2.5)

Tgt Ion:168 Resp: 161721

Ion Ratio Lower Upper

168 100

99 65.9 55.8 83.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

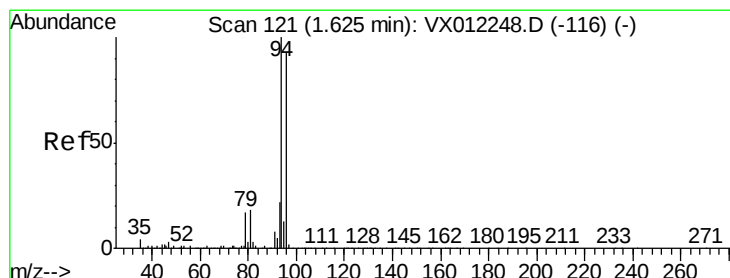
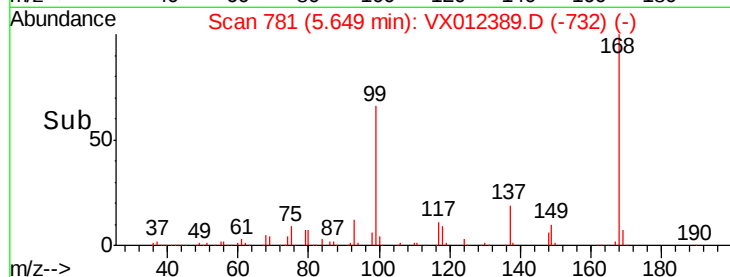
60000

40000

20000

0

Time--> 5.50 5.60 5.70



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX012389.D

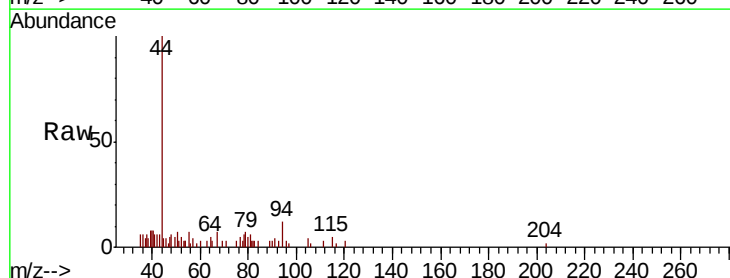
Acq: 13 Sep 2019 16:21

Tgt Ion: 94 Resp: 225

Ion Ratio Lower Upper

94 100

96 28.0 74.0 111.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

300

250

200

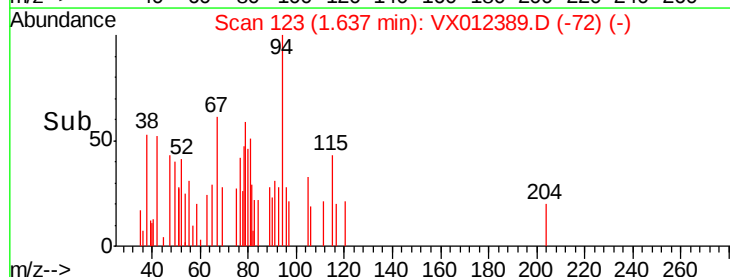
150

100

50

0

Time--> 1.62 1.64 1.66





#8

Diethyl Ether

Concen: 1.096 ug/l

RT: 2.18 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX012389.D

Acq: 13 Sep 2019 16:21

Instrument :

MSVOA_X

ClientSampleId :

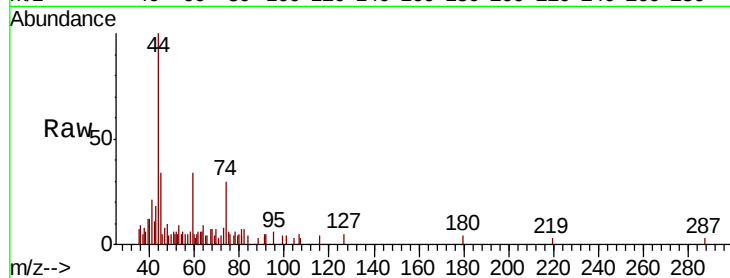
T5-2-(2.5)

Tgt Ion: 74 Resp: 800

Ion Ratio Lower Upper

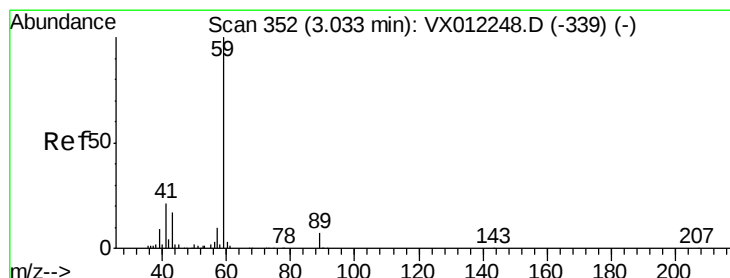
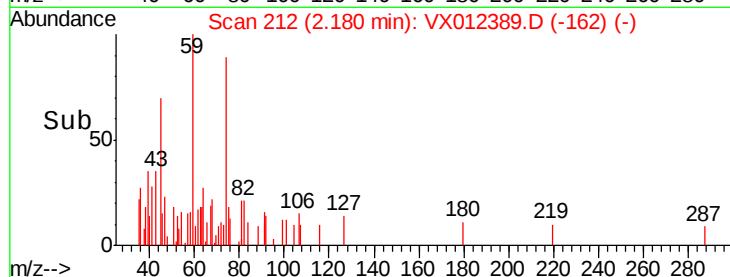
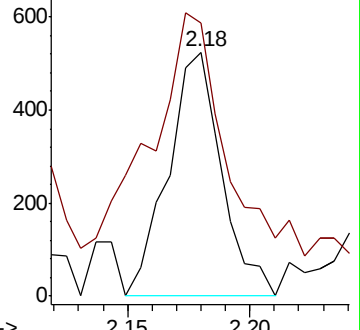
74 100

45 125.0 51.3 153.9



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#11

Tert butyl alcohol

Concen: Below Cal

RT: 3.03 min Scan# 352

Delta R.T. 0.00 min

Lab File: VX012389.D

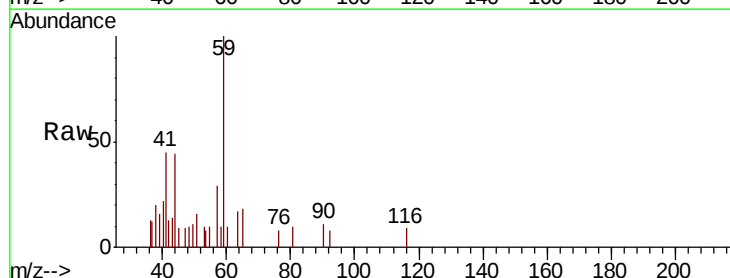
Acq: 13 Sep 2019 16:21

Tgt Ion: 59 Resp: 1552

Ion Ratio Lower Upper

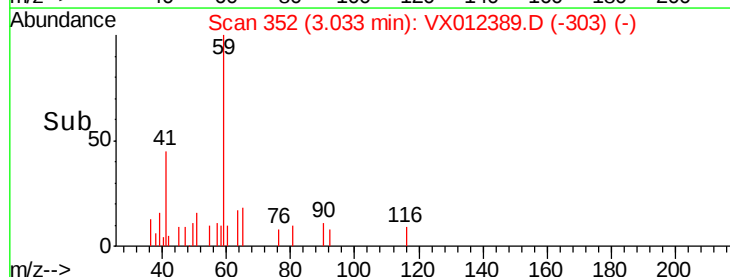
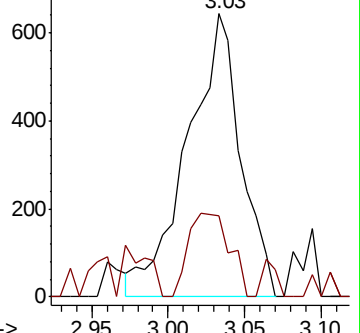
59 100

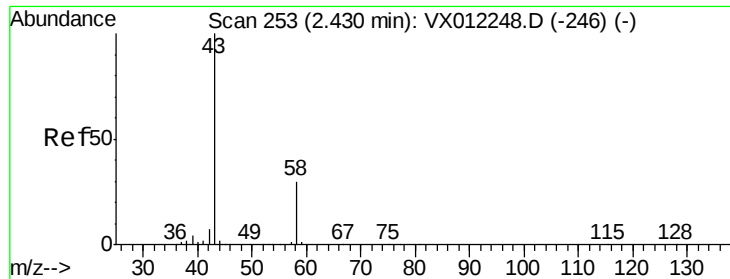
57 23.2 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 3.699 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX012389.D

Acq: 13 Sep 2019 16:21

Instrument :

MSVOA_X

ClientSampleId :

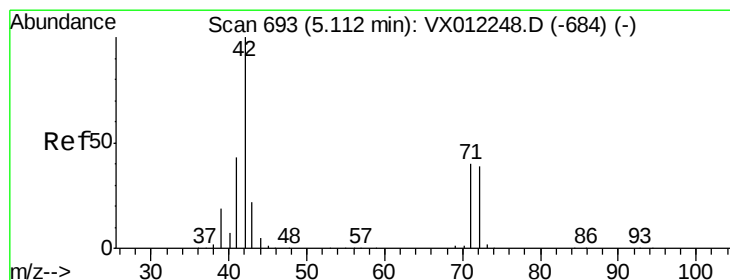
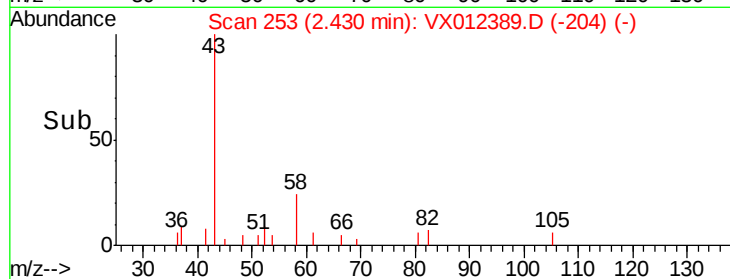
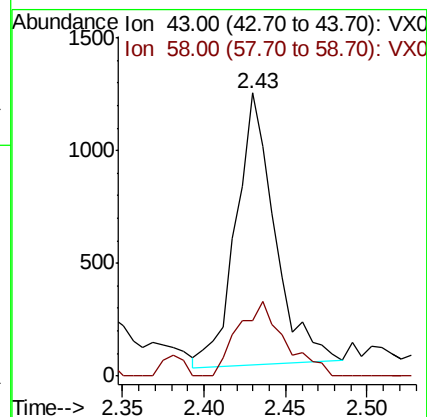
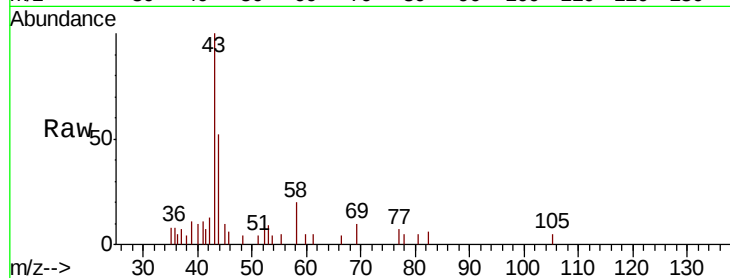
T5-2-(2.5)

Tgt Ion: 43 Resp: 2002

Ion Ratio Lower Upper

43 100

58 20.9 23.6 35.4#



#29

Tetrahydrofuran

Concen: 7.822 ug/l

RT: 5.14 min Scan# 697

Delta R.T. 0.02 min

Lab File: VX012389.D

Acq: 13 Sep 2019 16:21

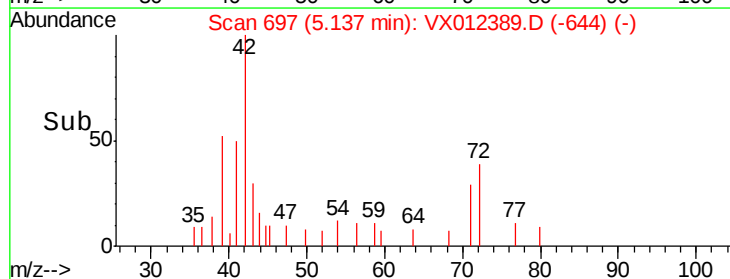
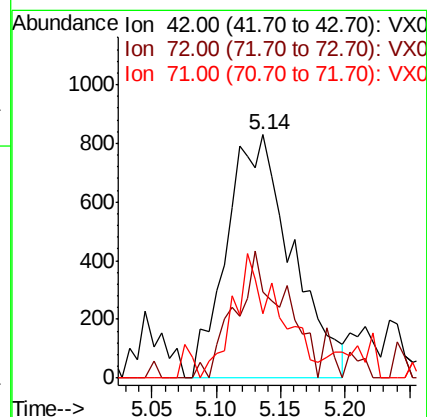
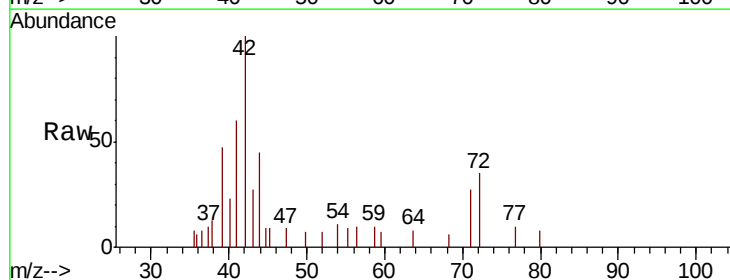
Tgt Ion: 42 Resp: 2920

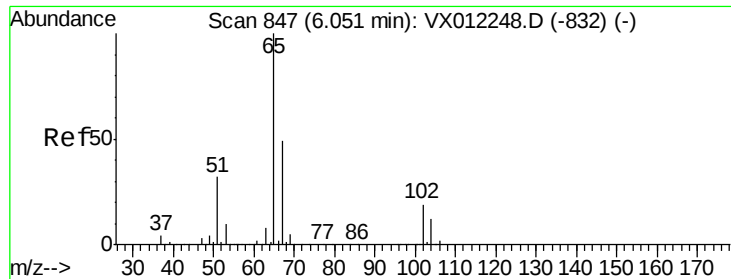
Ion Ratio Lower Upper

42 100

72 39.4 35.2 52.8

71 36.1 32.5 48.7

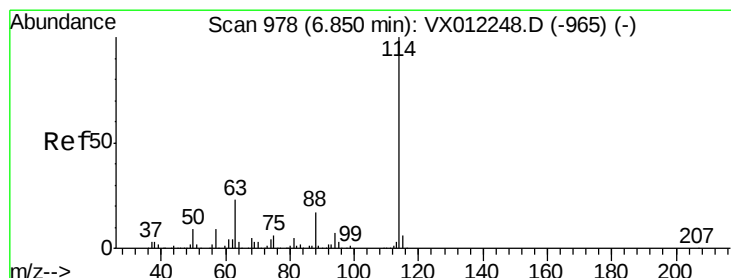
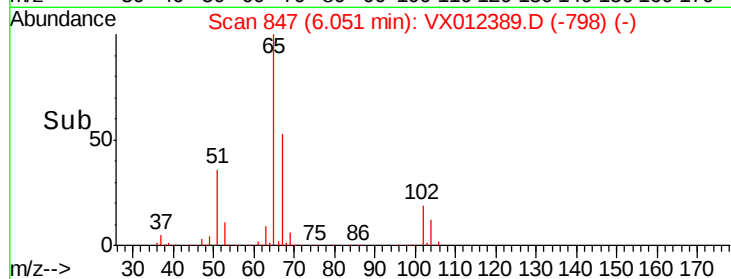
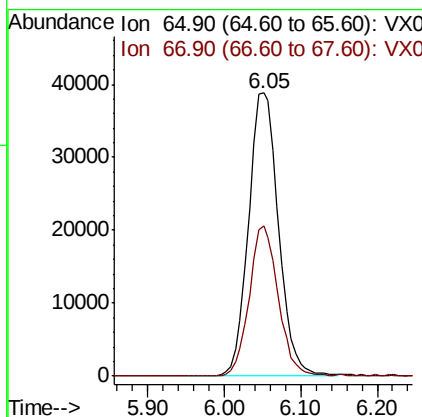
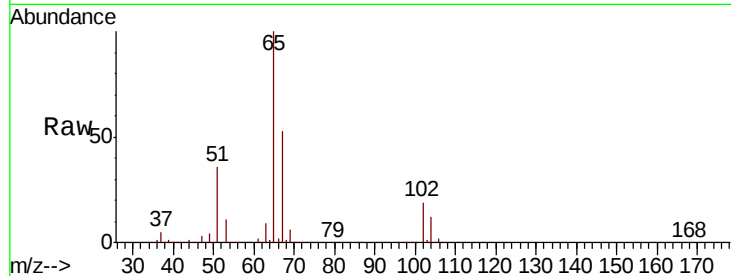




#33
 1,2-Dichloroethane-d4
 Concen: 46.565 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012389.D
 Acq: 13 Sep 2019 16:21

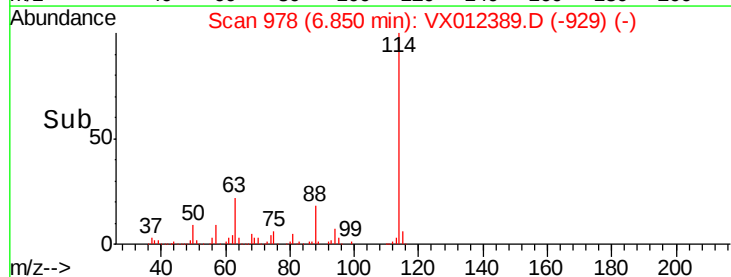
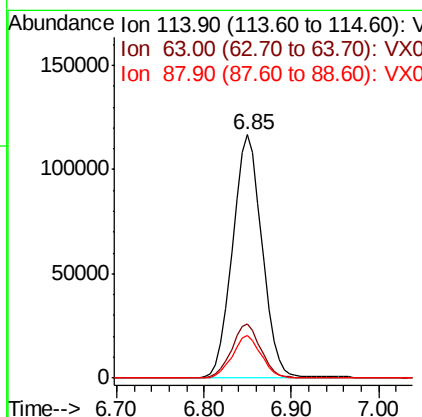
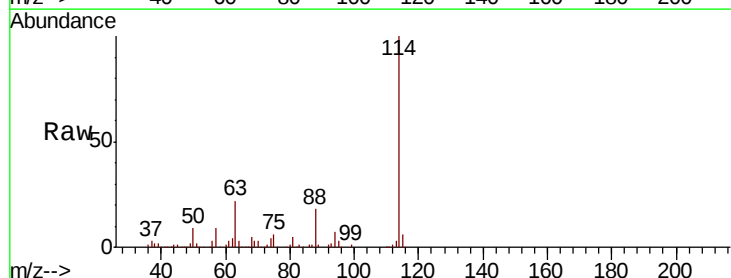
Instrument :
 MSVOA_X
 ClientSampleId :
 T5-2-(2.5)

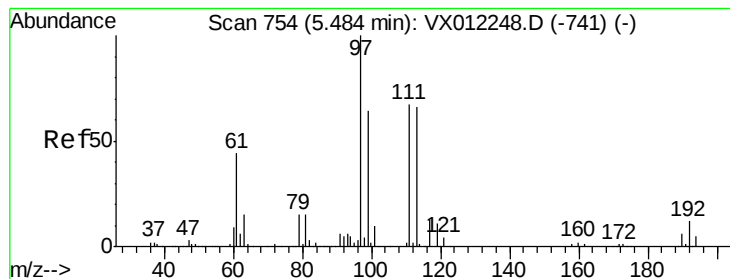
Tgt Ion: 65 Resp: 106466
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012389.D
 Acq: 13 Sep 2019 16:21

Tgt Ion: 114 Resp: 275006
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 45.2
 88 17.7 0.0 34.8





#35

Dibromofluoromethane

Concen: 45.720 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX012389.D

Acq: 13 Sep 2019 16:21

Instrument :

MSVOA_X

ClientSampleId :

T5-2-(2.5)

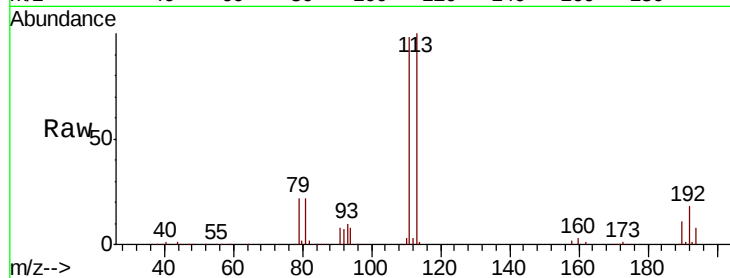
Tgt Ion:113 Resp: 80601

Ion Ratio Lower Upper

113 100

111 102.4 83.0 124.6

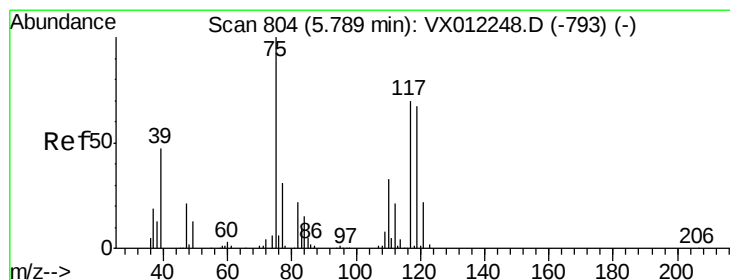
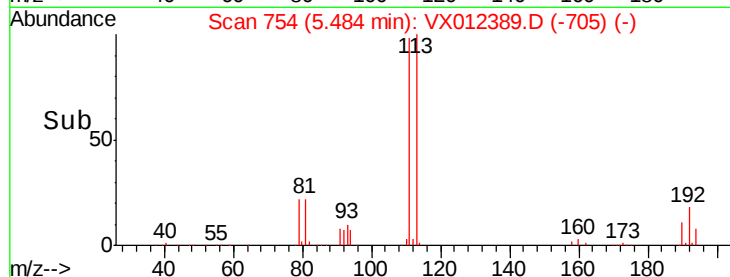
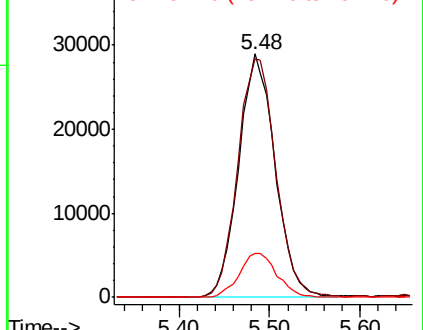
192 18.8 14.3 21.5



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: 7.269 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012389.D

Acq: 13 Sep 2019 16:21

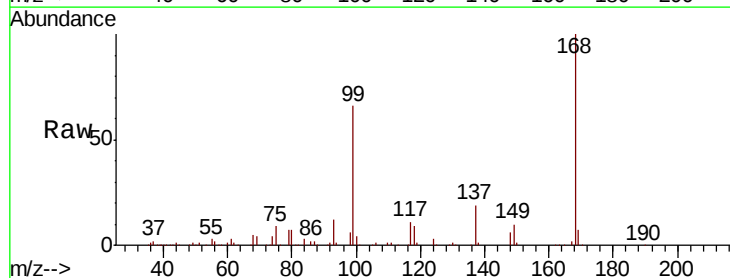
Tgt Ion: 75 Resp: 14577

Ion Ratio Lower Upper

75 100

110 10.5 16.8 50.4#

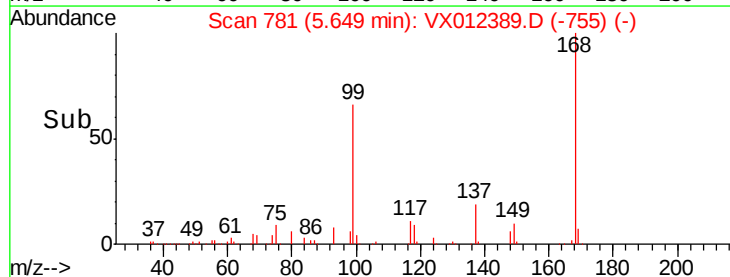
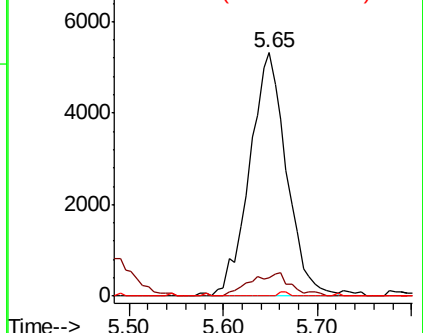
77 0.4 24.5 36.7#

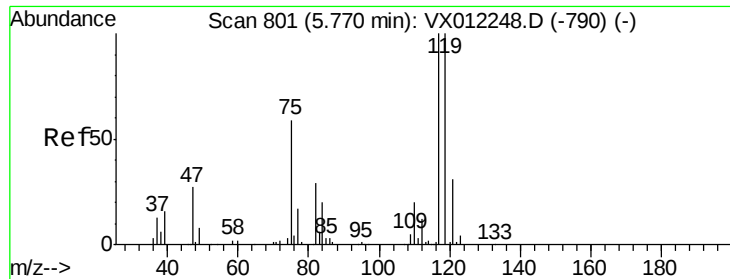


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.724 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.12 min

Lab File: VX012389.D

Acq: 13 Sep 2019 16:21

Instrument :

MSVOA_X

ClientSampleId :

T5-2-(2.5)

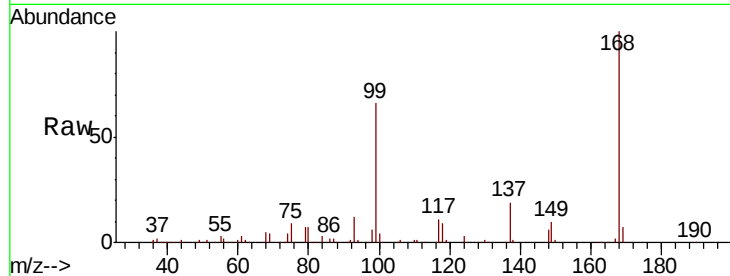
Tgt Ion:117 Resp: 18171

Ion Ratio Lower Upper

117 100

119 6.0 79.6 119.4#

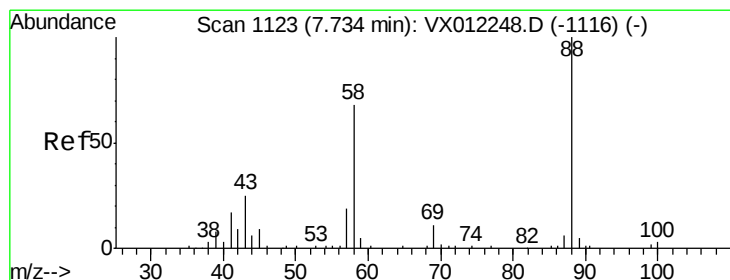
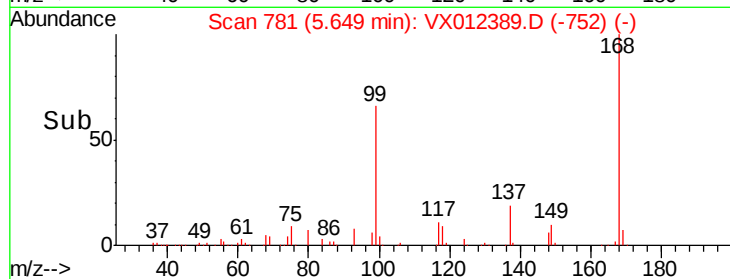
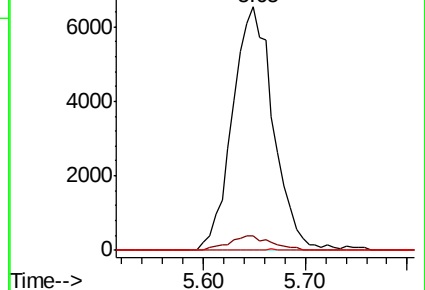
121 0.0 24.7 37.1#



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



#49

1,4-Dioxane

Concen: 1.481 ug/l

RT: 7.77 min Scan# 1129

Delta R.T. 0.04 min

Lab File: VX012389.D

Acq: 13 Sep 2019 16:21

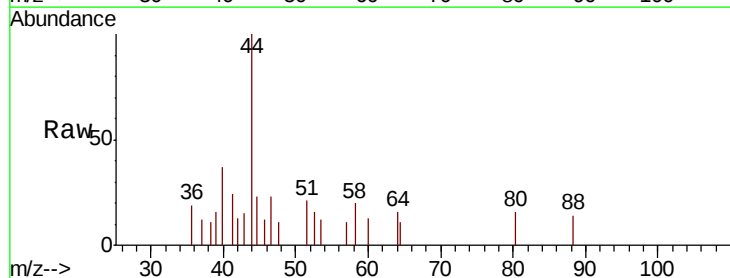
Tgt Ion: 88 Resp: 25

Ion Ratio Lower Upper

88 100

43 0.0 31.0 46.4#

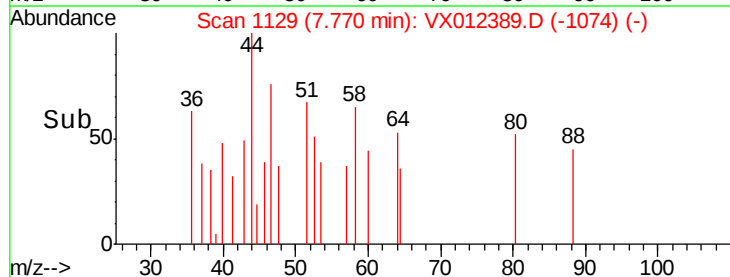
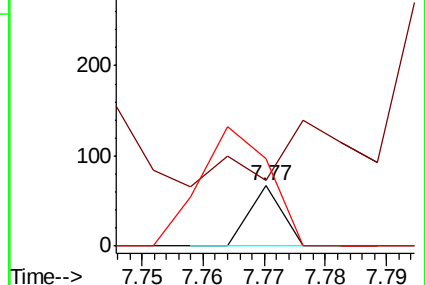
58 416.0 61.5 92.3#

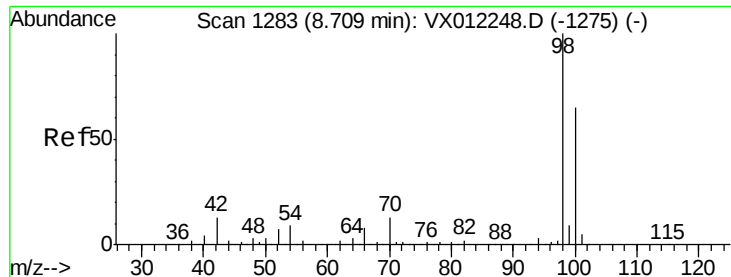


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

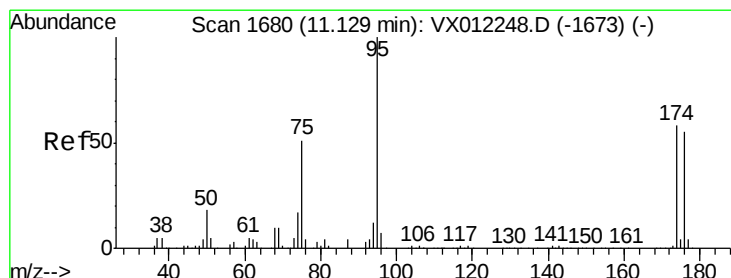
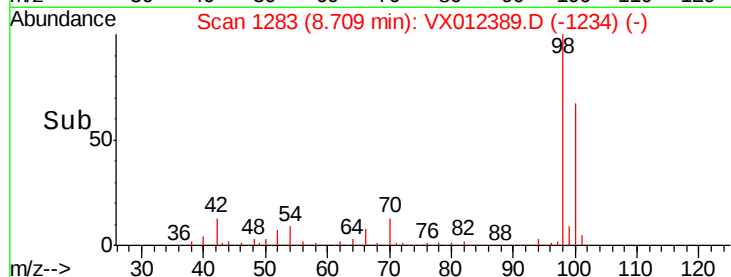
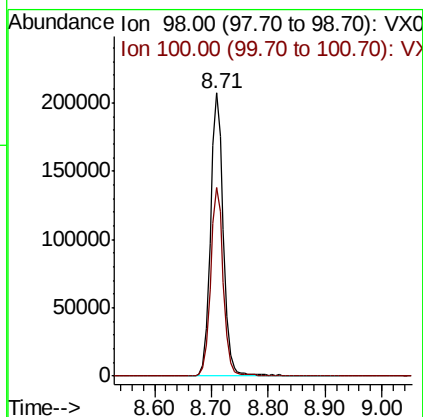
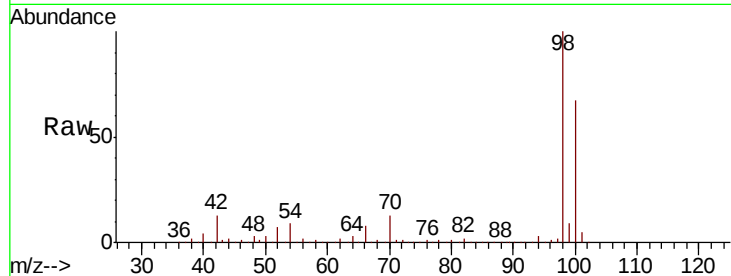




#50
Toluene-d8
Concen: 52.515 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012389.D
Acq: 13 Sep 2019 16:21

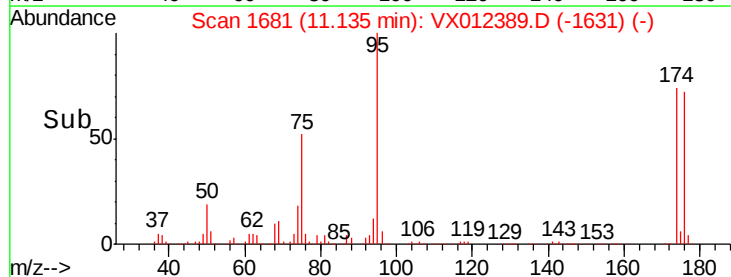
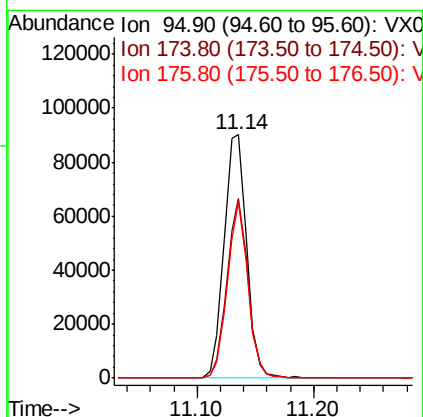
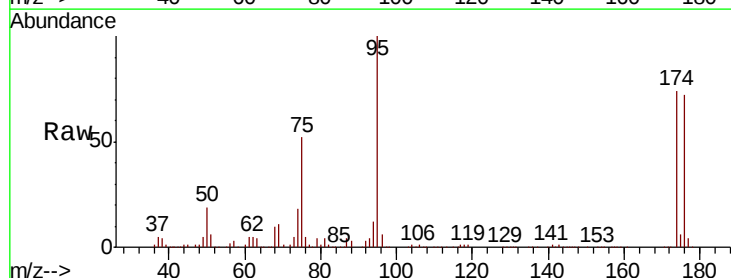
Instrument :
MSVOA_X
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T5-2-(2.5)

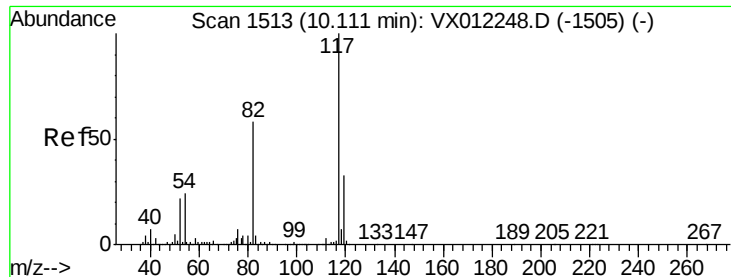
Tgt Ion: 98 Resp: 324710
Ion Ratio Lower Upper
98 100
100 66.1 54.1 81.1



#62
4-Bromofluorobenzene
Concen: 42.131 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX012389.D
Acq: 13 Sep 2019 16:21

Tgt Ion: 95 Resp: 120770
Ion Ratio Lower Upper
95 100
174 69.3 0.0 127.0
176 66.0 0.0 125.8

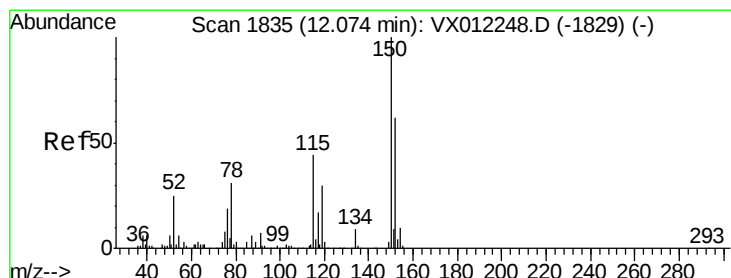
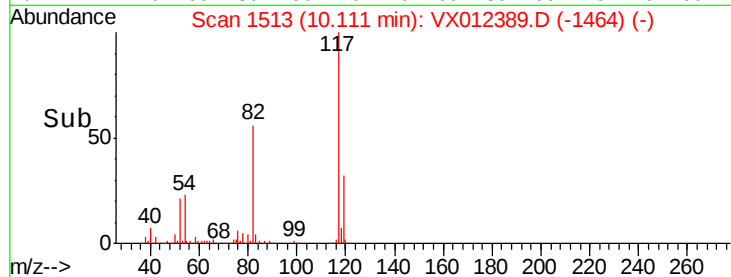
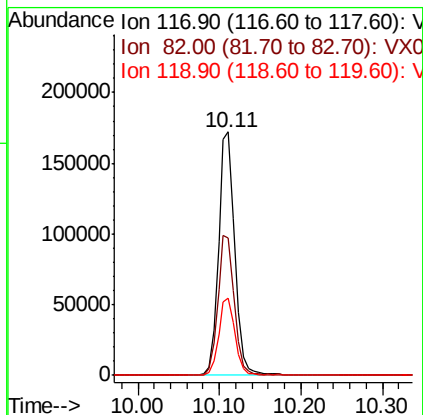
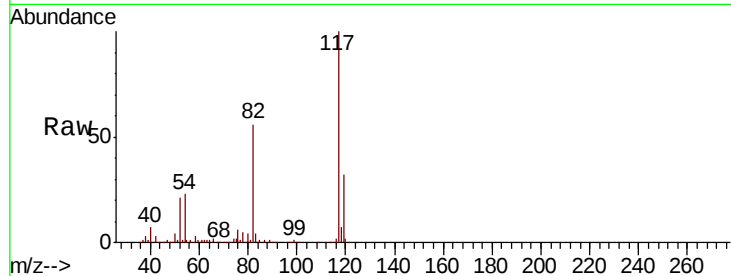




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012389.D
Acq: 13 Sep 2019 16:21

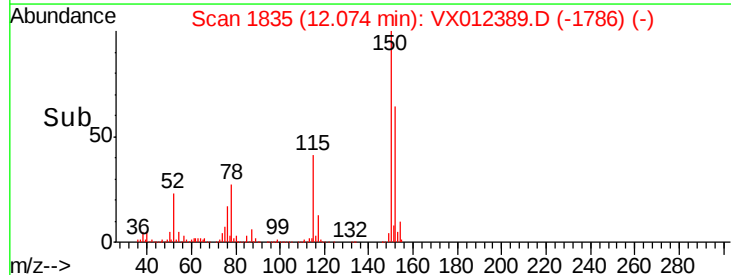
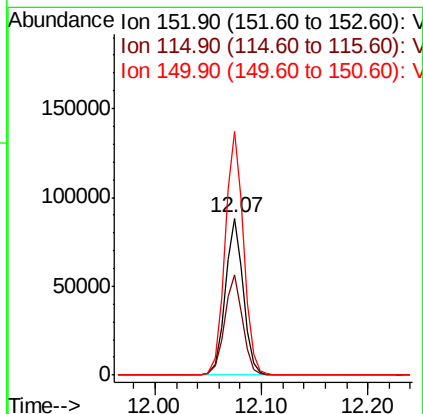
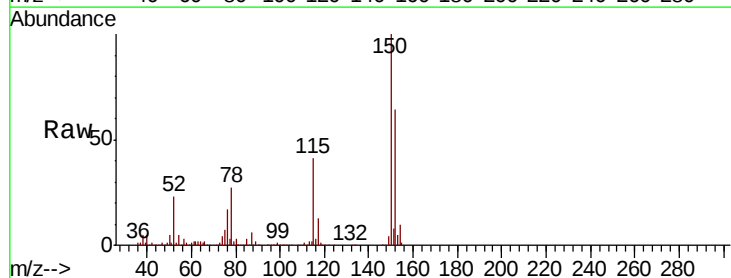
Instrument :
MSVOA_X
ClientSampleId :
T5-2-(2.5)

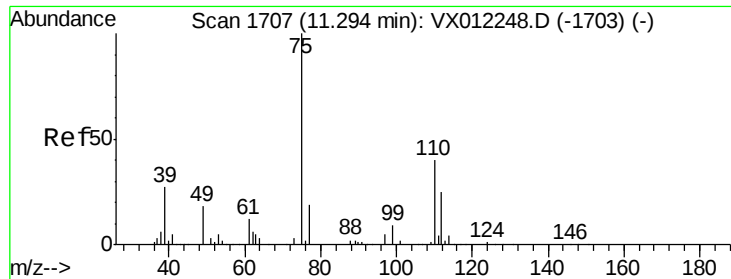
Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.4	46.4	69.6
119	31.5	26.6	39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012389.D
Acq: 13 Sep 2019 16:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.9	45.5	136.4
150	159.5	0.0	346.4





#76

1,2,3-Trichloropropane

Concen: 47.954 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012389.D

Acq: 13 Sep 2019 16:21

Instrument :

MSVOA_X

ClientSampled :

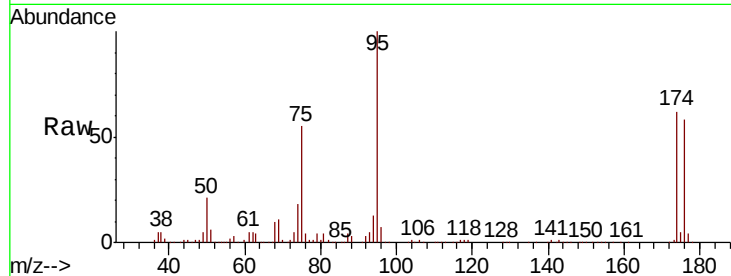
T5-2-(2.5)

Tgt Ion: 75 Resp: 63906

Ion Ratio Lower Upper

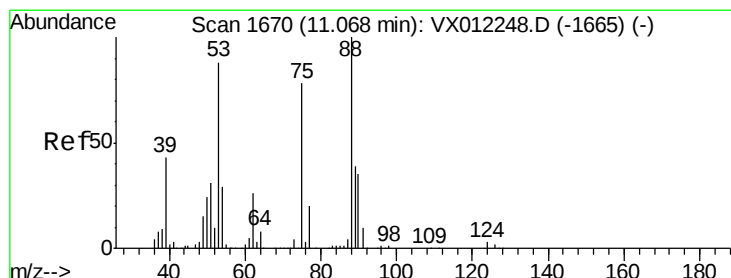
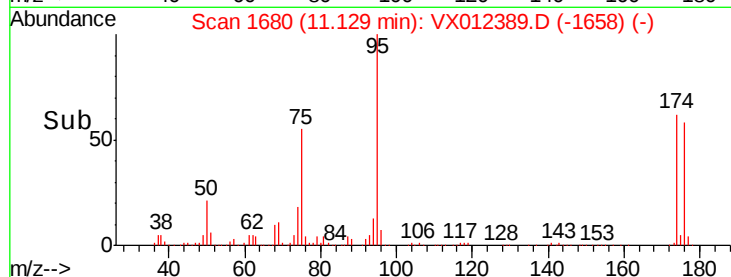
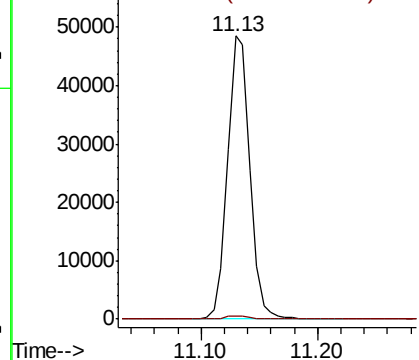
75 100

77 1.3 19.7 59.0#



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: 143.682 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012389.D

Acq: 13 Sep 2019 16:21

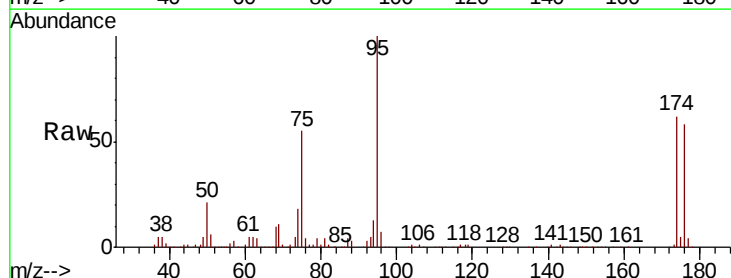
Tgt Ion: 75 Resp: 63906

Ion Ratio Lower Upper

75 100

53 0.3 88.1 132.1#

89 0.0 43.5 65.3#



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

