

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091319\
 Data File : VX012393.D
 Acq On : 13 Sep 2019 18:14
 Operator : SY/SP
 Sample : K4695-14
 Misc : 3.53g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T5-4-(2.5)

Quant Time: Sep 14 00:06:02 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	160891	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	274914	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	244478	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	110598	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	106329	46.74	ug/l	0.00
Spiked Amount			Recovery	=	93.48%	
35) Dibromofluoromethane	5.48	113	81064	46.00	ug/l	0.00
Spiked Amount			Recovery	=	92.00%	
50) Toluene-d8	8.71	98	324501	52.50	ug/l	0.00
Spiked Amount			Recovery	=	105.00%	
62) 4-Bromofluorobenzene	11.13	95	123877	43.23	ug/l	0.00
Spiked Amount			Recovery	=	86.46%	

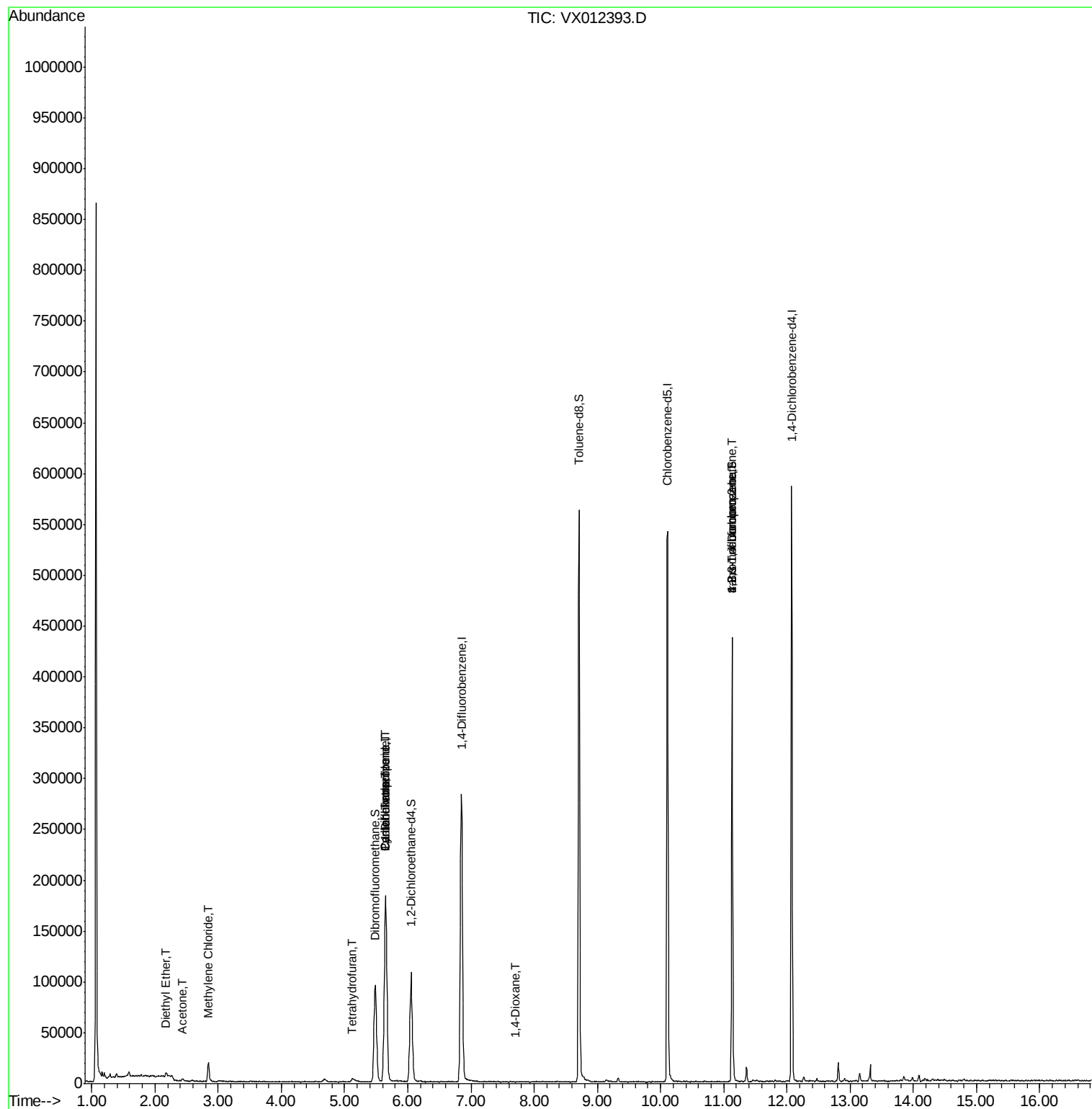
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	302	Below Cal	#	62
8) Diethyl Ether	2.18	74	1009	1.390	ug/l	93
11) Tert butyl alcohol	3.03	59	1227	Below Cal	#	40
16) Acetone	2.43	43	2669	4.956	ug/l #	82
20) Methylene Chloride	2.84	84	8434	2.518	ug/l	94
29) Tetrahydrofuran	5.13	42	2480	6.677	ug/l #	80
31) Cyclohexane	5.64	56	4437	2.101	ug/l #	6
36) 1,1-Dichloropropene	5.64	75	14232	7.100	ug/l #	53
38) Carbon Tetrachloride	5.64	117	17949	7.632	ug/l #	15
49) 1,4-Dioxane	7.69	88	19	1.126	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	66035	46.477	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	66035	139.257	ug/l #	5

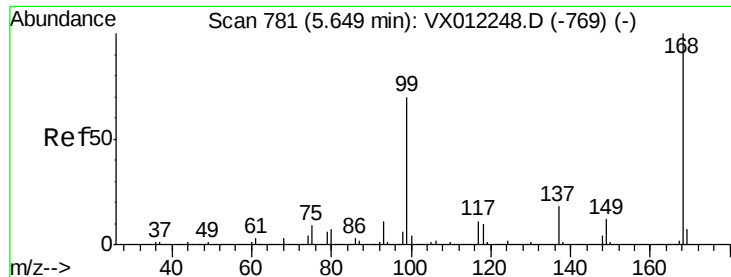
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX091319\
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Quant Time: Sep 14 00:06:02 2019
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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: VX012393.D

Acq: 13 Sep 2019 18:14

Instrument :

MSVOA_X

ClientSampleId :

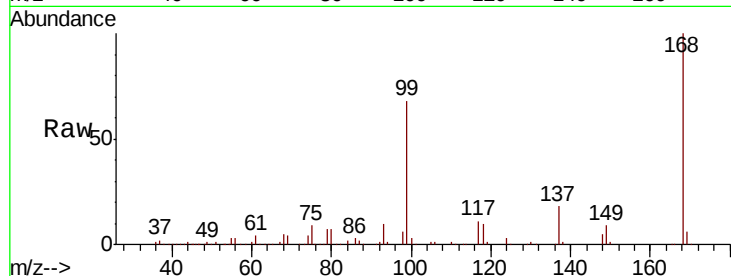
T5-4-(2.5)

Tgt Ion:168 Resp: 160891

Ion Ratio Lower Upper

168 100

99 67.9 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

50000

40000

30000

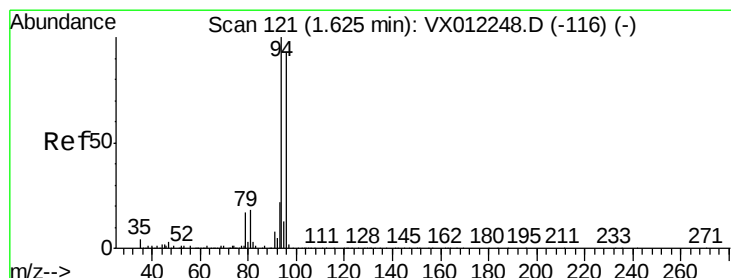
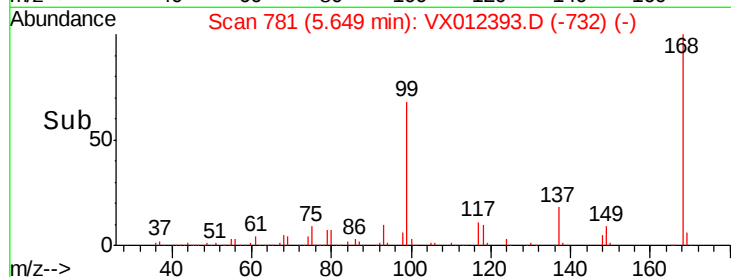
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX012393.D

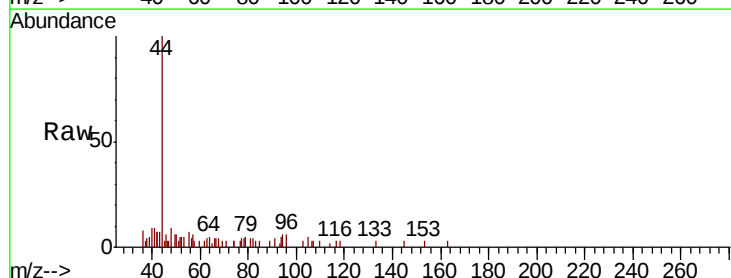
Acq: 13 Sep 2019 18:14

Tgt Ion: 94 Resp: 302

Ion Ratio Lower Upper

94 100

96 56.1 74.0 111.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

250

200

150

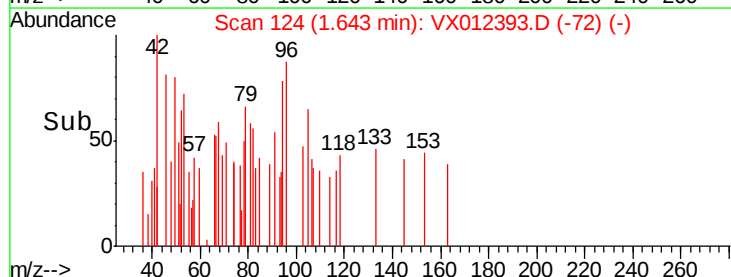
100

50

0

Time-->

1.60 1.65





#8

Diethyl Ether

Concen: 1.390 ug/l

RT: 2.18 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX012393.D

Acq: 13 Sep 2019 18:14

Instrument :

MSVOA_X

ClientSampleId :

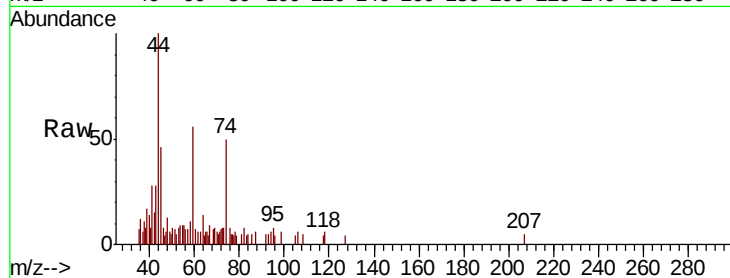
T5-4-(2.5)

Tgt Ion: 74 Resp: 1009

Ion Ratio Lower Upper

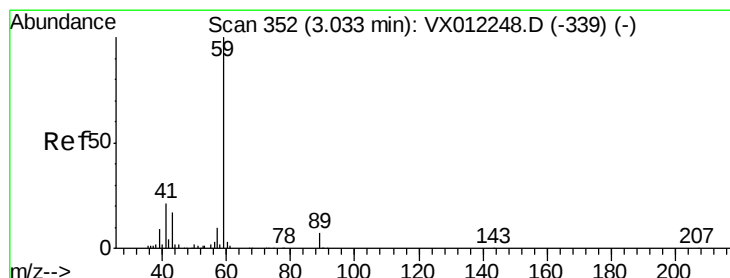
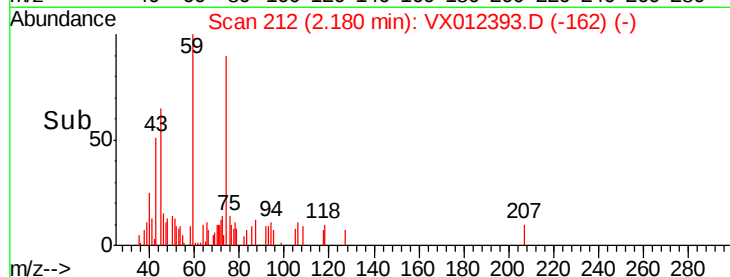
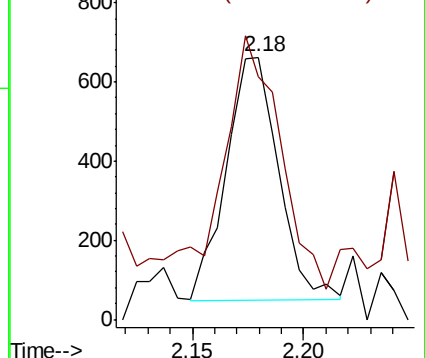
74 100

45 109.8 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# 351

Delta R.T. -0.01 min

Lab File: VX012393.D

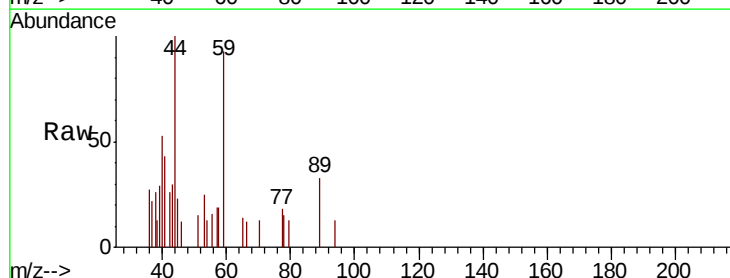
Acq: 13 Sep 2019 18:14

Tgt Ion: 59 Resp: 1227

Ion Ratio Lower Upper

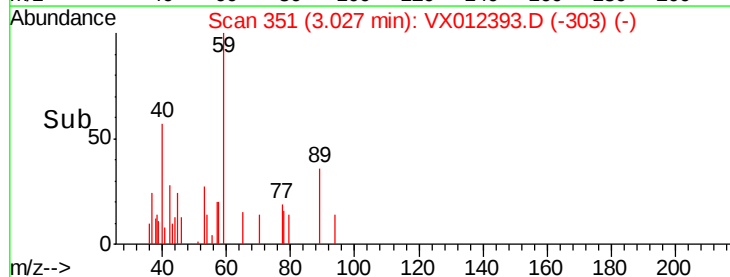
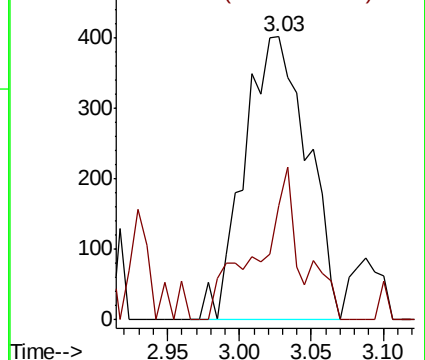
59 100

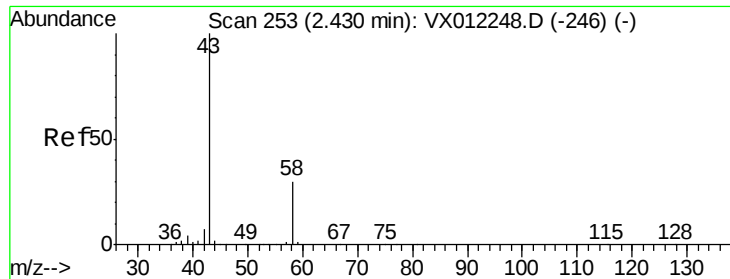
57 31.6 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 4.956 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX012393.D

Acq: 13 Sep 2019 18:14

Instrument :

MSVOA_X

ClientSampleId :

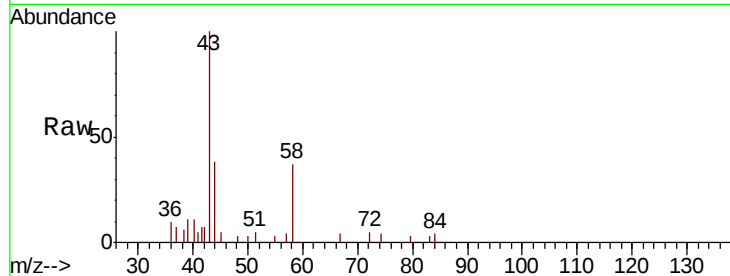
T5-4-(2.5)

Tgt Ion: 43 Resp: 2669

Ion Ratio Lower Upper

43 100

58 39.2 23.6 35.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.43

1500

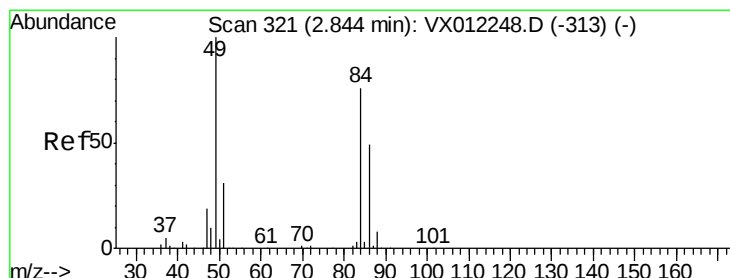
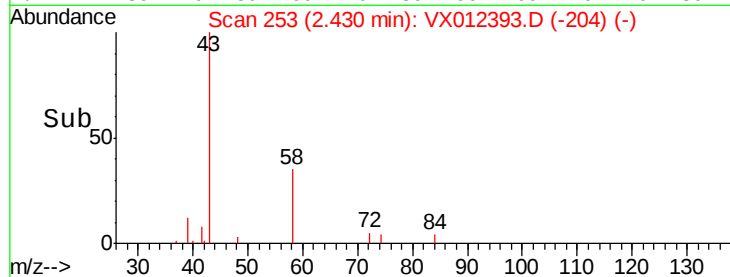
1000

500

0

Time-->

2.35 2.40 2.45 2.50



#20

Methylene Chloride

Concen: 2.518 ug/l

RT: 2.84 min Scan# 321

Delta R.T. 0.00 min

Lab File: VX012393.D

Acq: 13 Sep 2019 18:14

Tgt Ion: 84 Resp: 8434

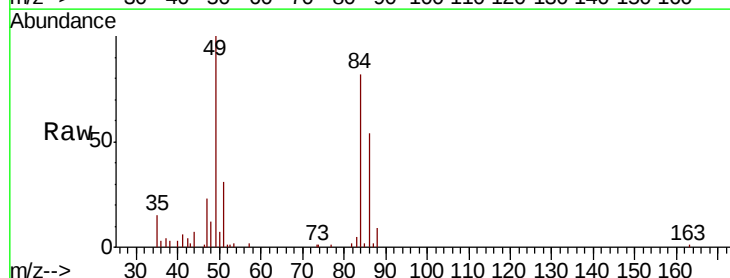
Ion Ratio Lower Upper

84 100

49 122.6 105.0 157.6

51 37.6 32.6 48.8

86 66.4 51.8 77.6



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

8000

6000

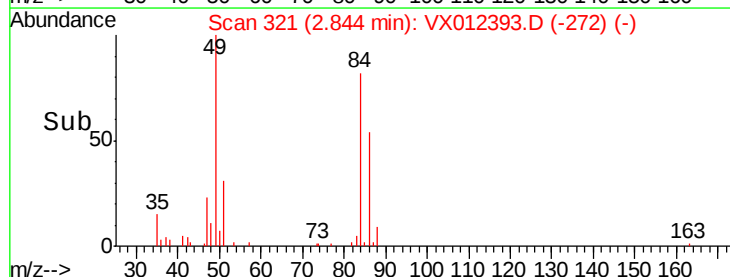
4000

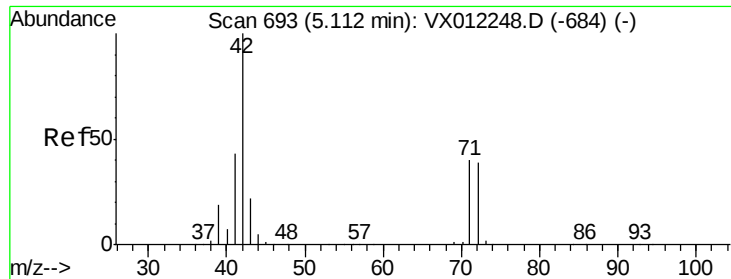
2000

0

Time-->

2.75 2.80 2.85 2.90 2.95

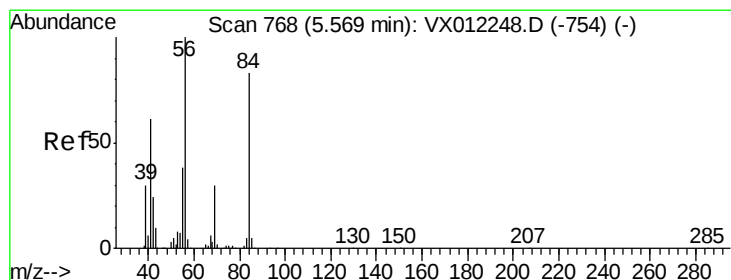
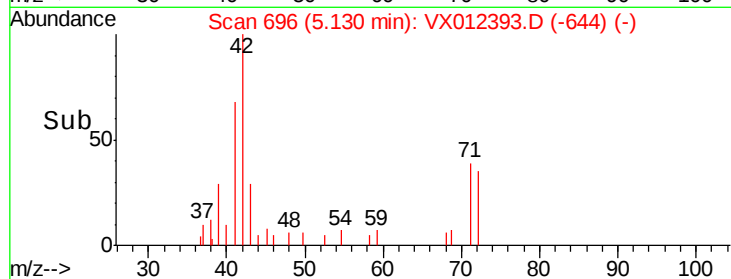
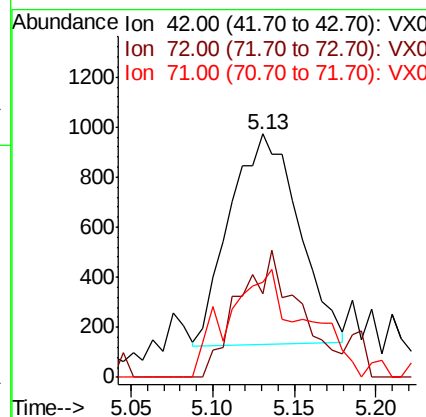
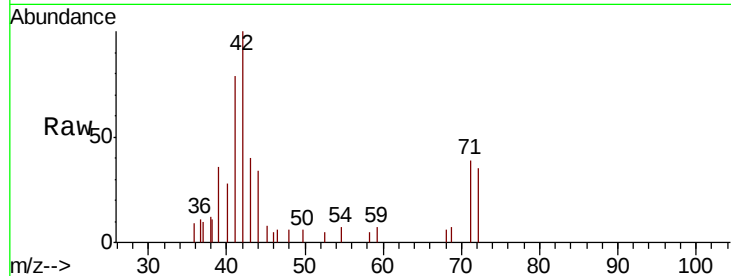




#29
Tetrahydrofuran
Concen: 6.677 ug/l
RT: 5.13 min Scan# 696
Delta R.T. 0.02 min
Lab File: VX012393.D
Acq: 13 Sep 2019 18:14

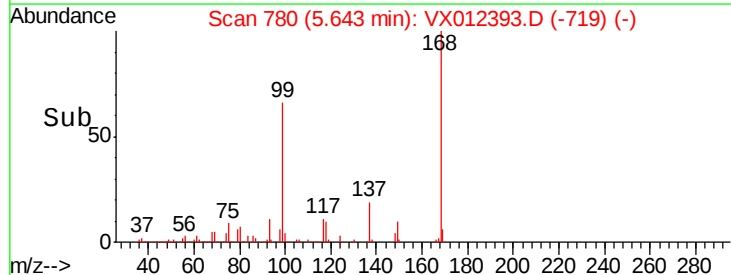
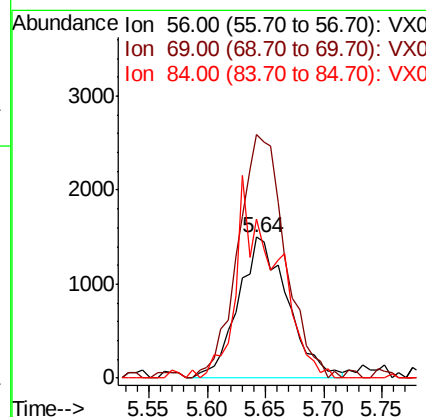
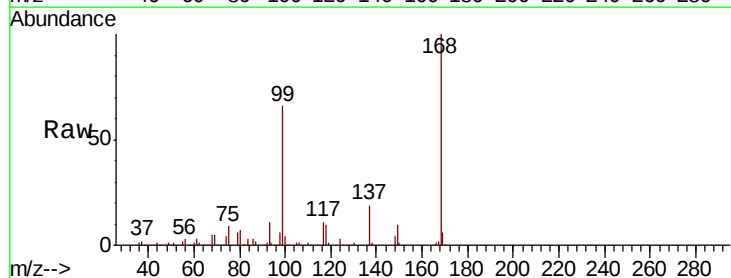
Instrument :
MSVOA_X
ClientSampleId :
T5-4-(2.5)

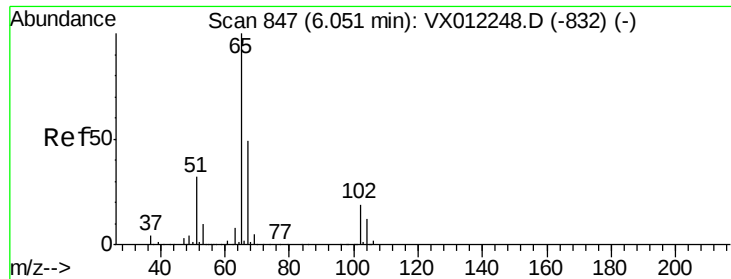
Tgt Ion: 42 Resp: 2480
Ion Ratio Lower Upper
42 100
72 52.9 35.2 52.8#
71 57.0 32.5 48.7#



#31
Cyclohexane
Concen: 2.101 ug/l
RT: 5.64 min Scan# 780
Delta R.T. 0.07 min
Lab File: VX012393.D
Acq: 13 Sep 2019 18:14

Tgt Ion: 56 Resp: 4437
Ion Ratio Lower Upper
56 100
69 172.5 23.8 35.6#
84 112.8 66.6 100.0#

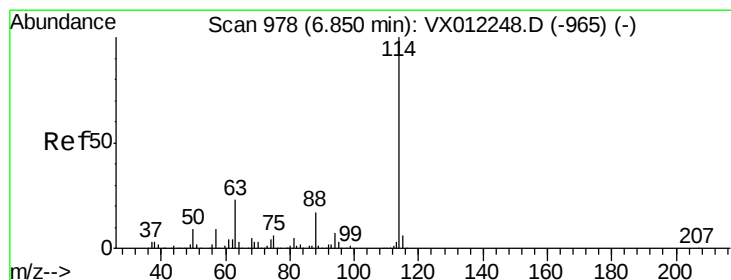
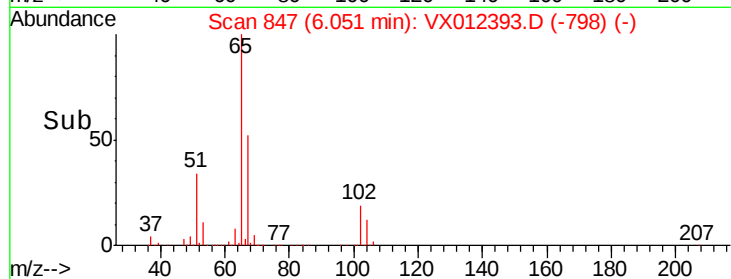
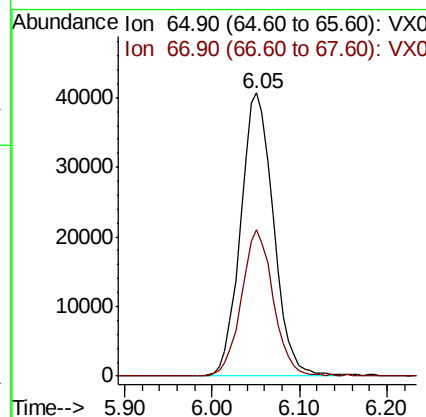
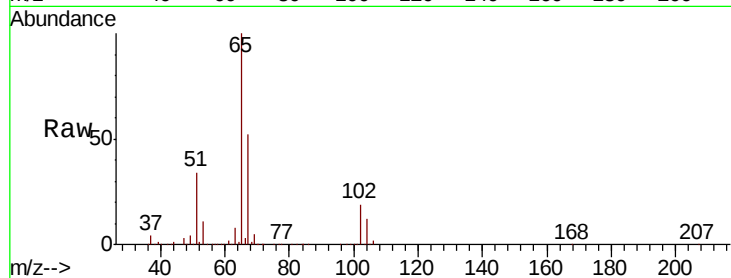




#33
 1,2-Dichloroethane-d4
 Concen: 46.744 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012393.D
 Acq: 13 Sep 2019 18:14

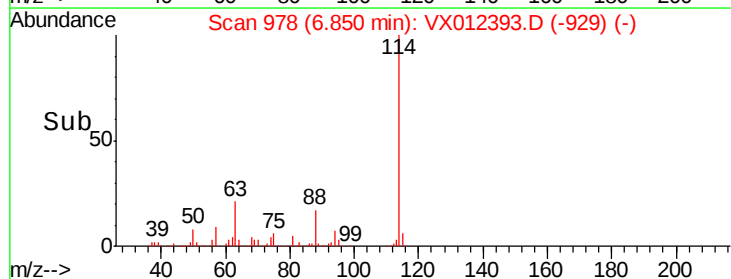
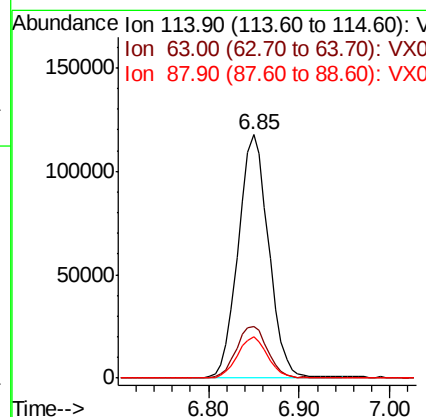
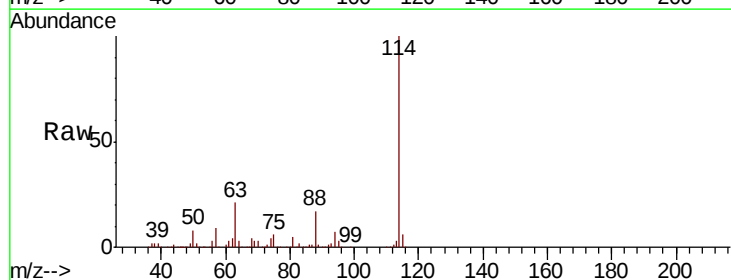
Instrument :
 MSVOA_X
 ClientSampleId :
 T5-4-(2.5)

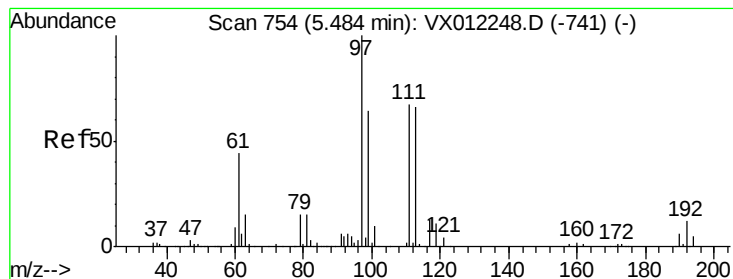
Tgt Ion: 65 Resp: 106329
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012393.D
 Acq: 13 Sep 2019 18:14

Tgt Ion: 114 Resp: 274914
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 45.2
 88 17.0 0.0 34.8





#35

Dibromofluoromethane

Concen: 45.998 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX012393.D

Acq: 13 Sep 2019 18:14

Instrument :

MSVOA_X

ClientSampleId :

T5-4-(2.5)

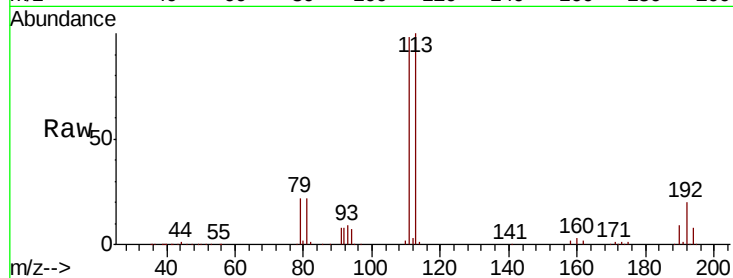
Tgt Ion:113 Resp: 81064

Ion Ratio Lower Upper

113 100

111 102.7 83.0 124.6

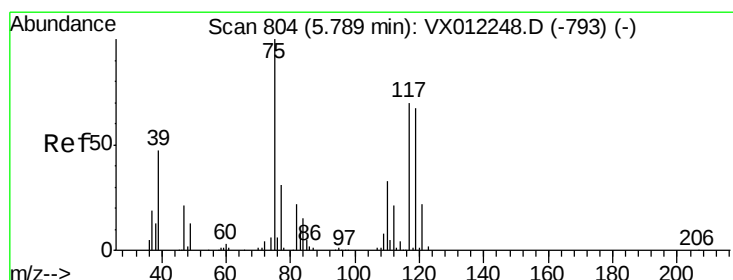
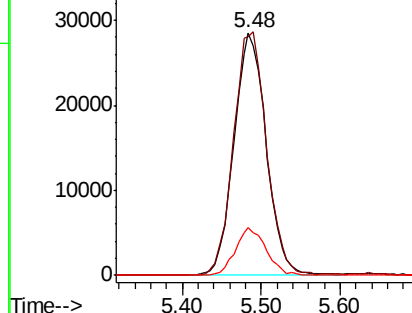
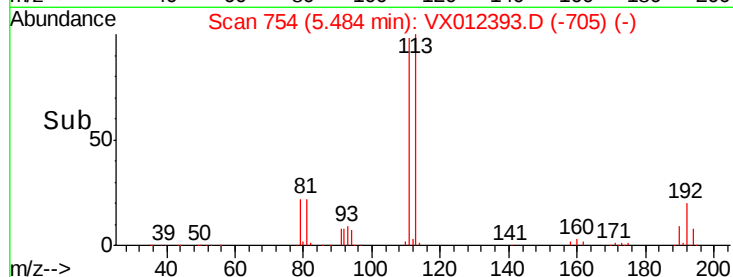
192 18.7 14.3 21.5



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: 7.100 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.15 min

Lab File: VX012393.D

Acq: 13 Sep 2019 18:14

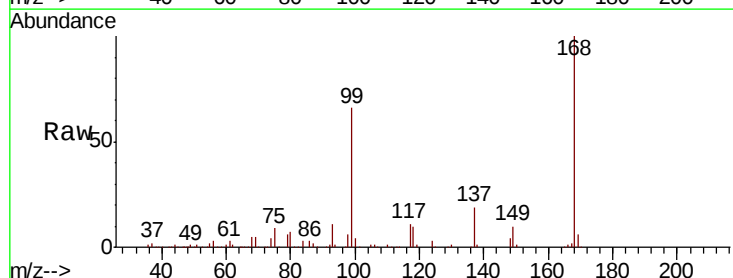
Tgt Ion: 75 Resp: 14232

Ion Ratio Lower Upper

75 100

110 10.8 16.8 50.4#

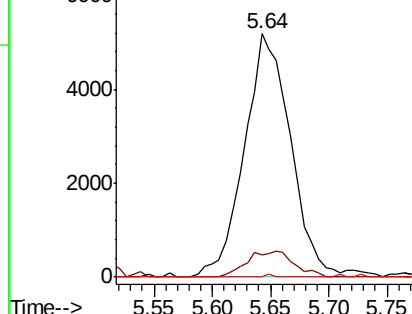
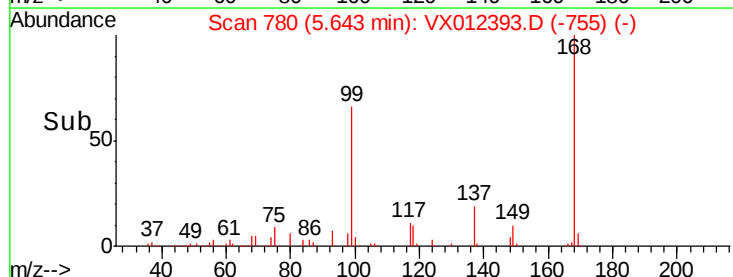
77 0.2 24.5 36.7#

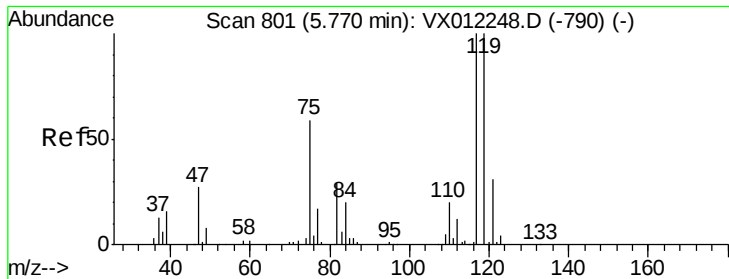


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

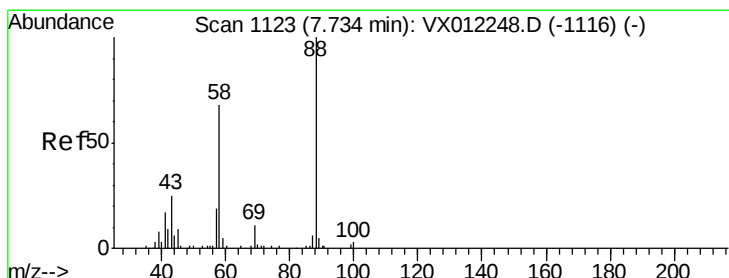
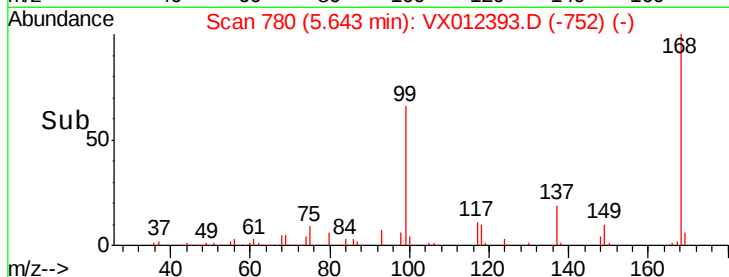
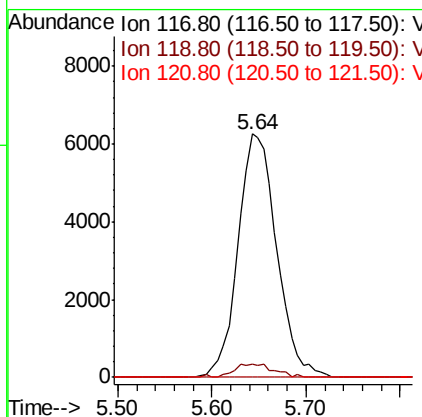
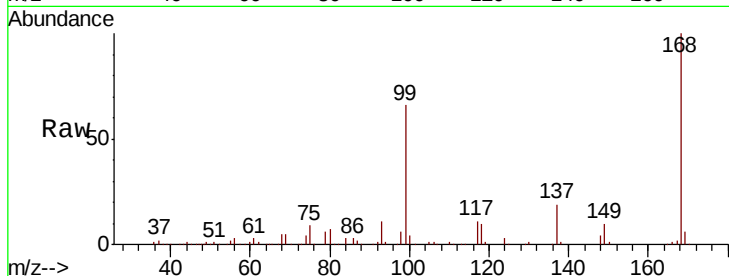




#38
 Carbon Tetrachloride
 Concen: 7.632 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.13 min
 Lab File: VX012393.D
 Acq: 13 Sep 2019 18:14

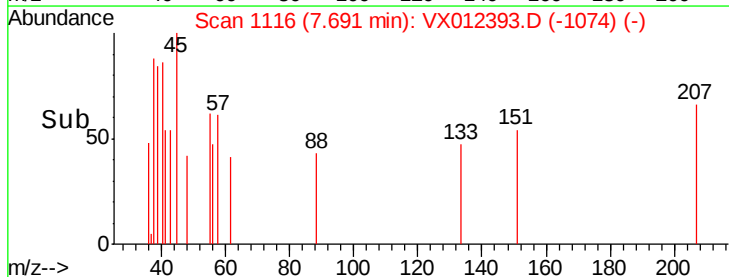
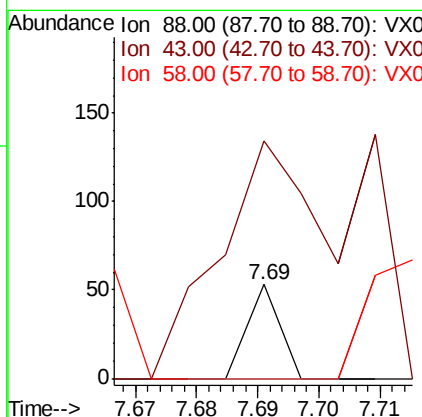
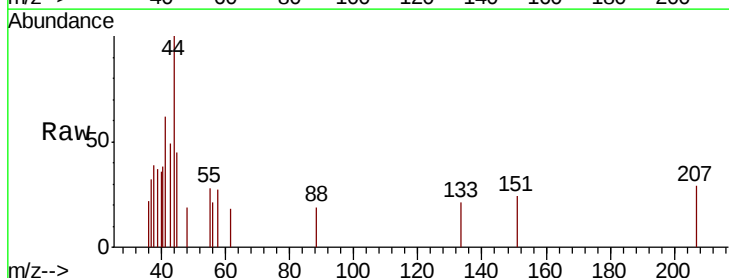
Instrument :
 MSVOA_X
 ClientSampled :
 T5-4-(2.5)

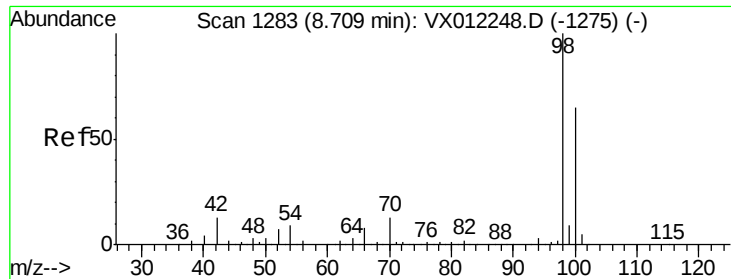
Tgt Ion:117 Resp: 17949
 Ion Ratio Lower Upper
 117 100
 119 5.5 79.6 119.4#
 121 0.0 24.7 37.1#



#49
 1,4-Dioxane
 Concen: 1.126 ug/l
 RT: 7.69 min Scan# 1116
 Delta R.T. -0.04 min
 Lab File: VX012393.D
 Acq: 13 Sep 2019 18:14

Tgt Ion: 88 Resp: 19
 Ion Ratio Lower Upper
 88 100
 43 1084.2 31.0 46.4#
 58 0.0 61.5 92.3#





#50

Toluene-d8

Concen: 52.499 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012393.D

Acq: 13 Sep 2019 18:14

Instrument :

MSVOA_X

ClientSampleId :

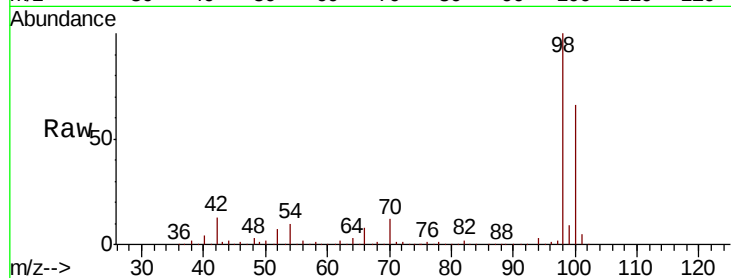
T5-4-(2.5)

Tgt Ion: 98 Resp: 324501

Ion Ratio Lower Upper

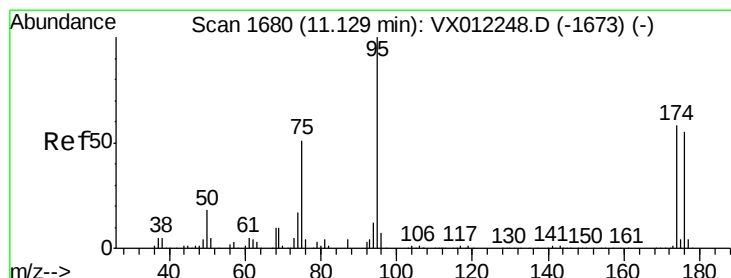
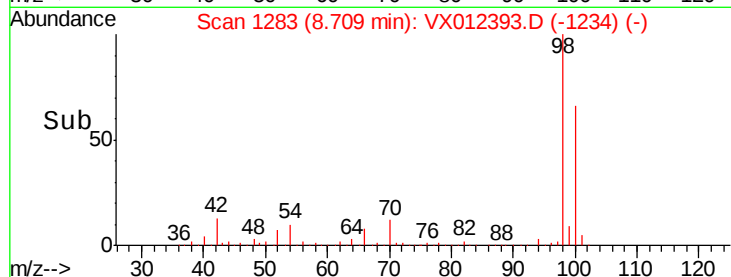
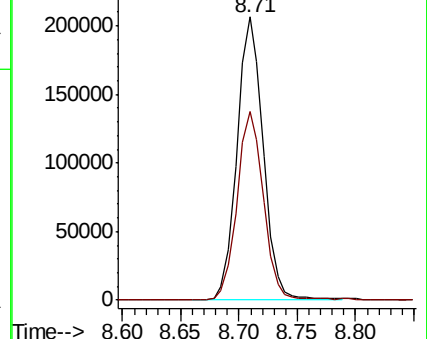
98 100

100 67.2 54.1 81.1



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 43.230 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX012393.D

Acq: 13 Sep 2019 18:14

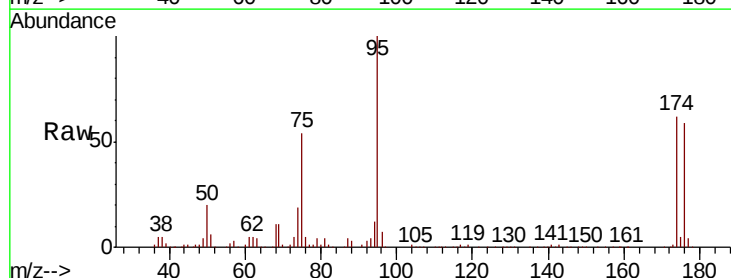
Tgt Ion: 95 Resp: 123877

Ion Ratio Lower Upper

95 100

174 70.2 0.0 127.0

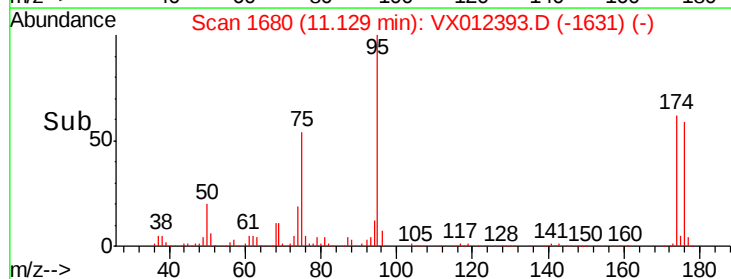
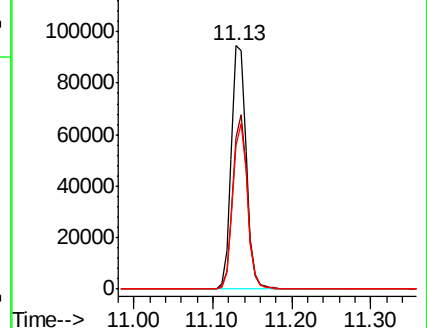
176 66.9 0.0 125.8

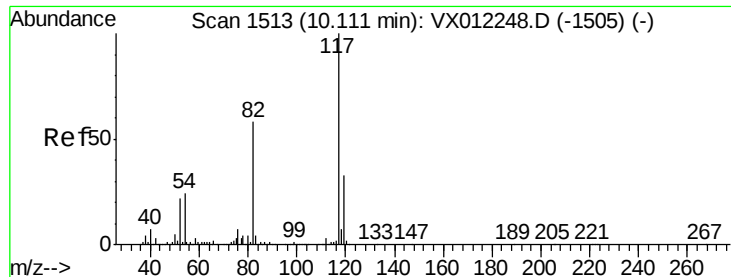


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

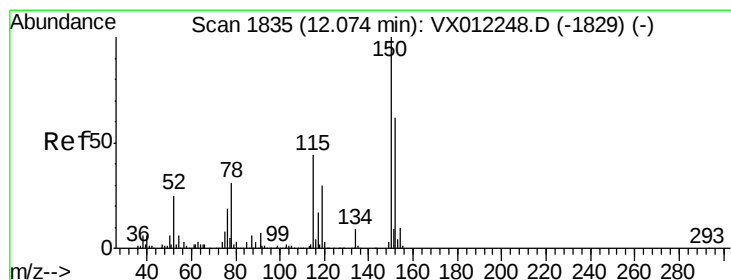
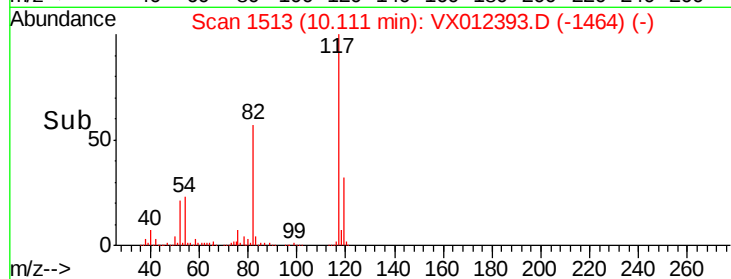
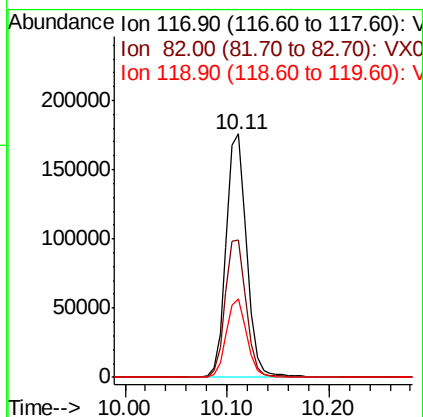
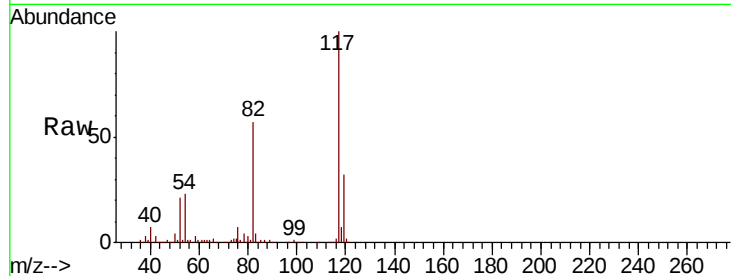




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012393.D
Acq: 13 Sep 2019 18:14

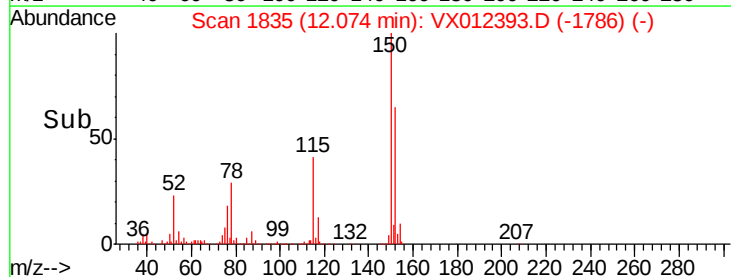
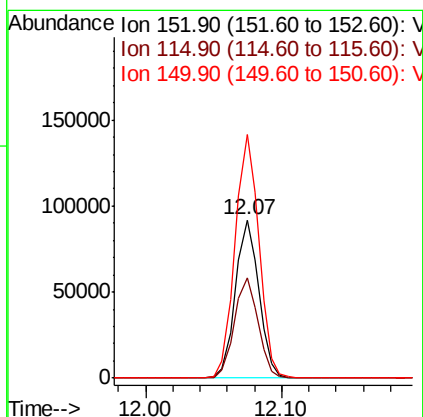
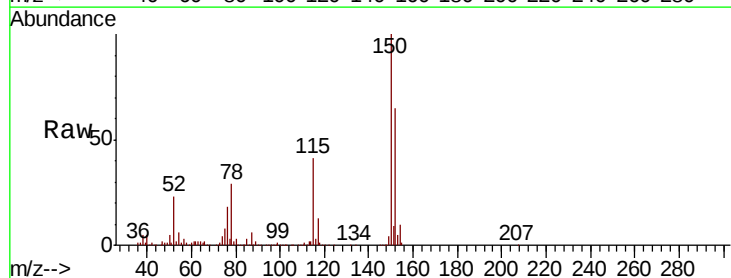
Instrument :
MSVOA_X
ClientSampleId :
T5-4-(2.5)

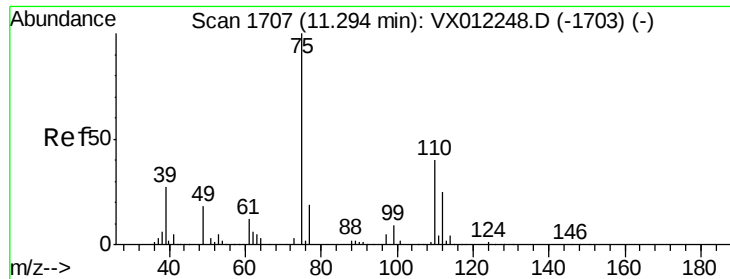
Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.6	46.4	69.6
119	32.4	26.6	39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012393.D
Acq: 13 Sep 2019 18:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.3	45.5	136.4
150	156.7	0.0	346.4





#76

1,2,3-Trichloropropane

Concen: 46.477 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012393.D

Acq: 13 Sep 2019 18:14

Instrument :

MSVOA_X

ClientSampled :

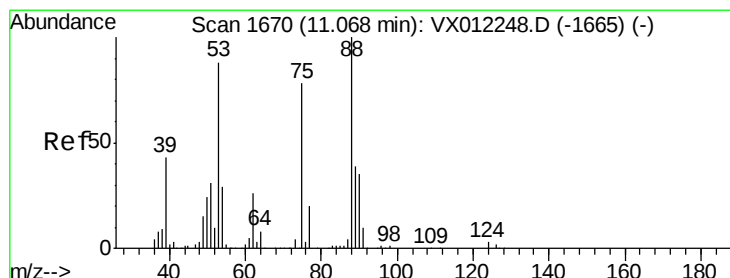
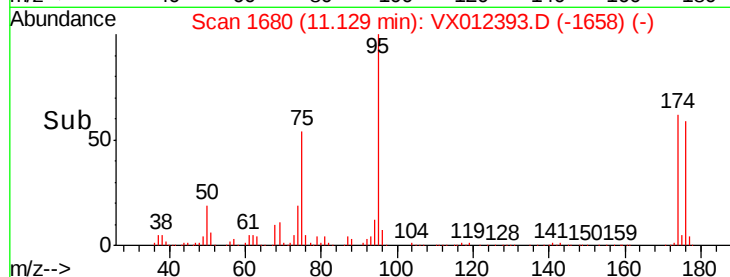
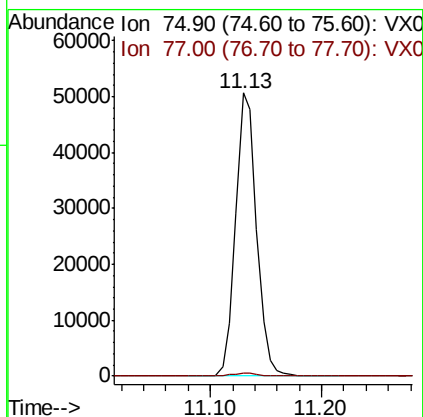
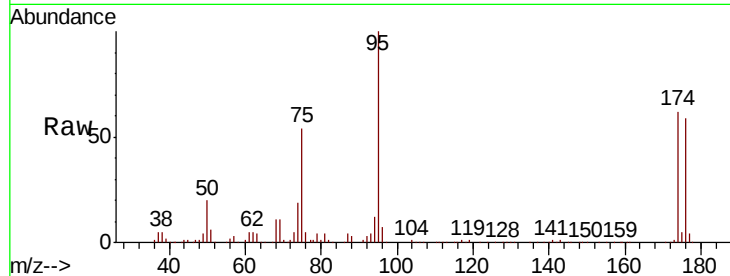
T5-4-(2.5)

Tgt Ion: 75 Resp: 66035

Ion Ratio Lower Upper

75 100

77 1.4 19.7 59.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 139.257 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012393.D

Acq: 13 Sep 2019 18:14

Tgt Ion: 75 Resp: 66035

Ion Ratio Lower Upper

75 100

53 0.0 88.1 132.1#

89 0.0 43.5 65.3#

