

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091319\
 Data File : VX012392.D
 Acq On : 13 Sep 2019 17:46
 Operator : SY/SP
 Sample : K4695-13
 Misc : 4.29g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T5-4(0)

Quant Time: Sep 14 00:05:48 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	165804	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	279178	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	243486	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	101112	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	106761	45.54	ug/l	0.00
Spiked Amount			Recovery	=	91.08%	
35) Dibromofluoromethane	5.48	113	81420	45.49	ug/l	0.00
Spiked Amount			Recovery	=	90.98%	
50) Toluene-d8	8.71	98	327261	52.14	ug/l	0.00
Spiked Amount			Recovery	=	104.28%	
62) 4-Bromofluorobenzene	11.14	95	120521	41.42	ug/l	0.00
Spiked Amount			Recovery	=	82.84%	

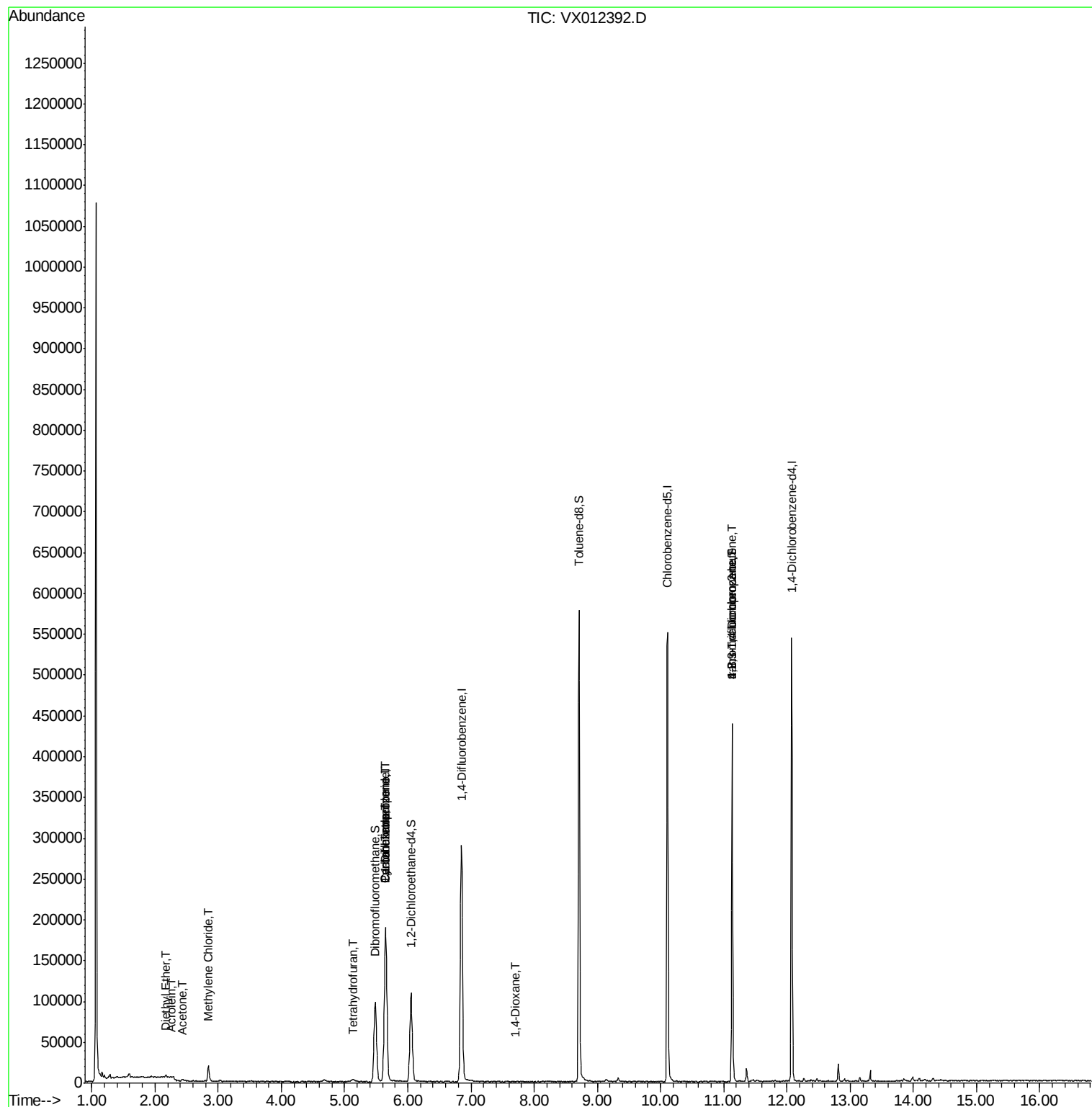
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	239	Below Cal	#	61
8) Diethyl Ether	2.17	74	997	1.333	ug/l	95
11) Tert butyl alcohol	3.03	59	1203	Below Cal	#	72
13) Acrolein	2.26	56	127	1.036	ug/l #	29
16) Acetone	2.44	43	1796	3.236	ug/l #	80
20) Methylene Chloride	2.84	84	8157	2.192	ug/l	97
29) Tetrahydrofuran	5.12	42	3198	8.355	ug/l #	88
31) Cyclohexane	5.64	56	4447	2.043	ug/l #	6
36) 1,1-Dichloropropene	5.65	75	13957	6.856	ug/l #	53
38) Carbon Tetrachloride	5.64	117	18456	7.727	ug/l #	15
49) 1,4-Dioxane	7.70	88	34	1.984	ug/l #	19
76) 1,2,3-Trichloropropane	11.13	75	63016	48.514	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	63016	145.358	ug/l #	6

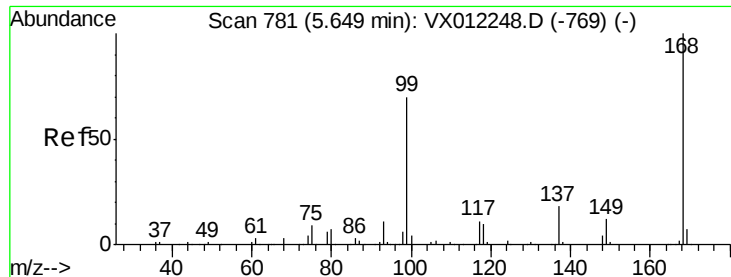
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX012392.D

Acq: 13 Sep 2019 17:46

Instrument :

MSVOA_X

ClientSampleId :

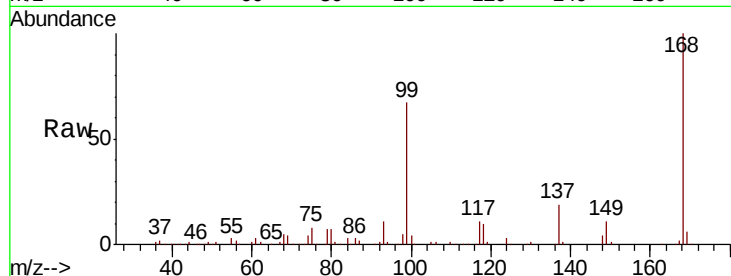
T5-4-(0)

Tgt Ion:168 Resp: 165804

Ion Ratio Lower Upper

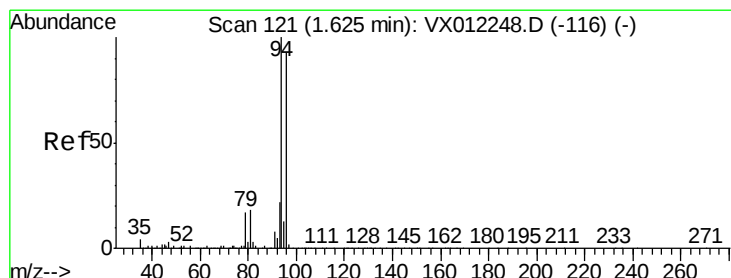
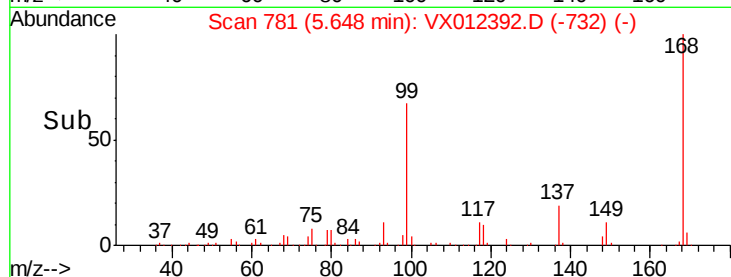
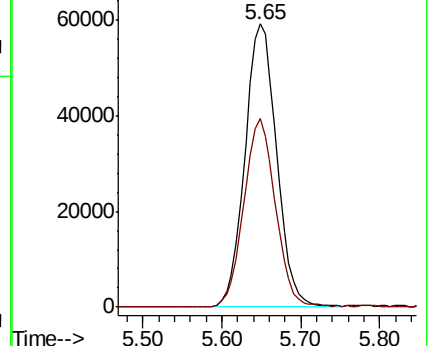
168 100

99 66.7 55.8 83.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX012392.D

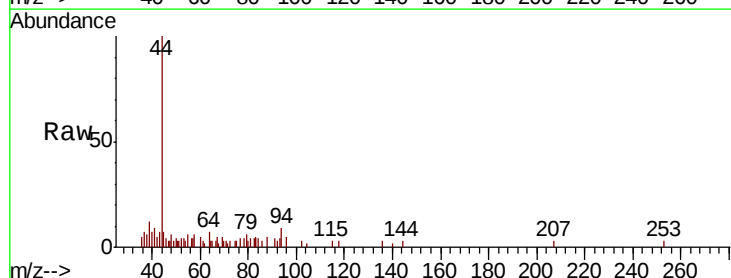
Acq: 13 Sep 2019 17:46

Tgt Ion: 94 Resp: 239

Ion Ratio Lower Upper

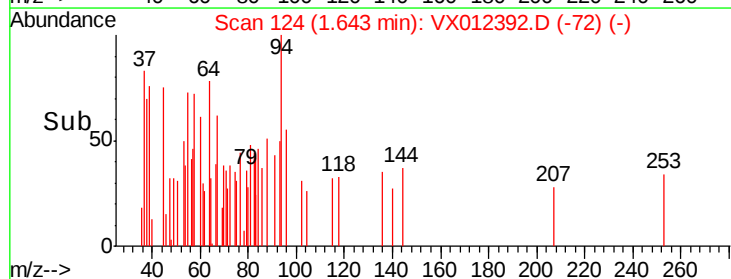
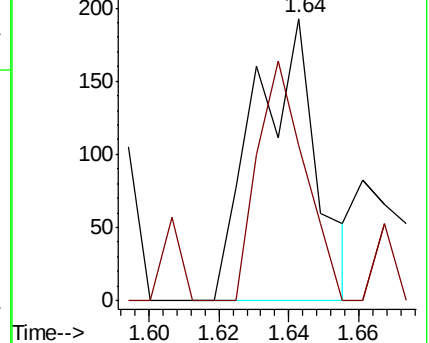
94 100

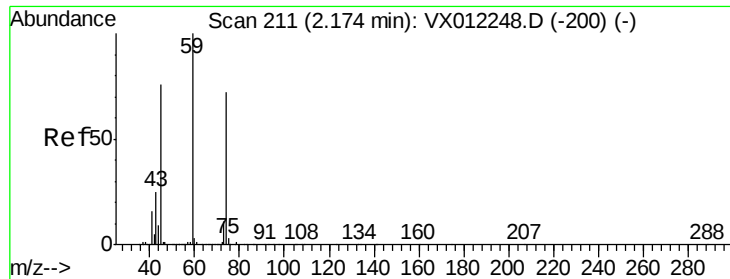
96 54.9 74.0 111.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#8

Diethyl Ether

Concen: 1.333 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX012392.D

Acq: 13 Sep 2019 17:46

Instrument :

MSVOA_X

ClientSampleId :

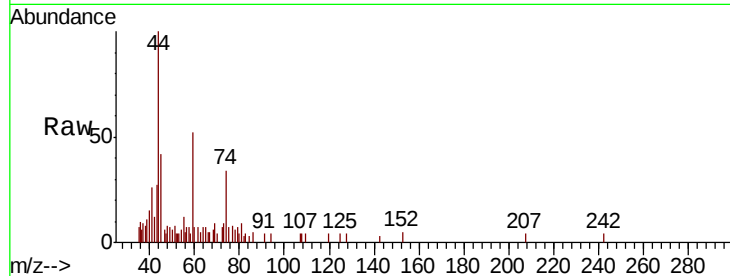
T5-4-(0)

Tgt Ion: 74 Resp: 997

Ion Ratio Lower Upper

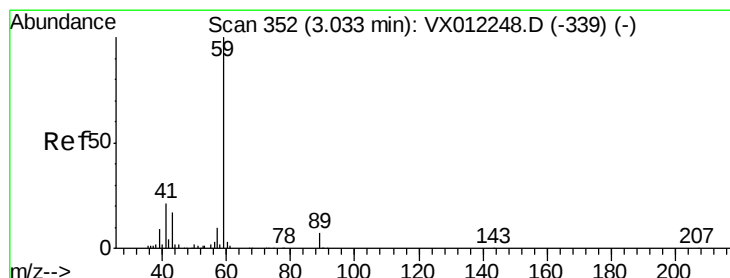
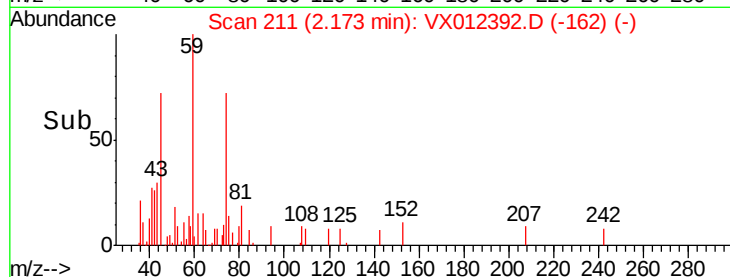
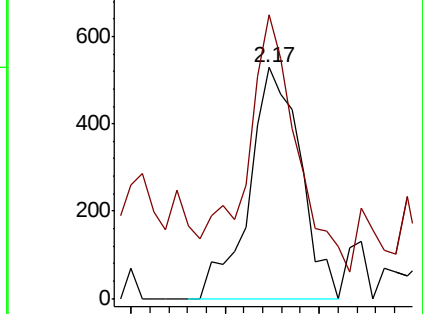
74 100

45 107.9 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: VX012392.D

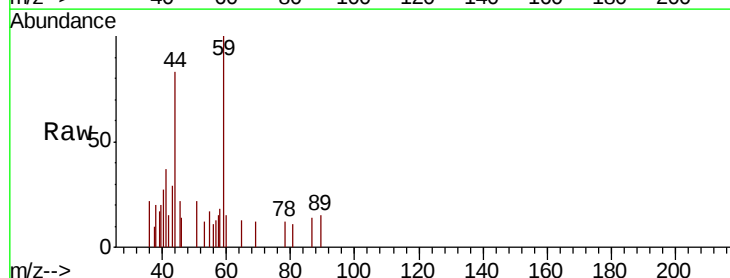
Acq: 13 Sep 2019 17:46

Tgt Ion: 59 Resp: 1203

Ion Ratio Lower Upper

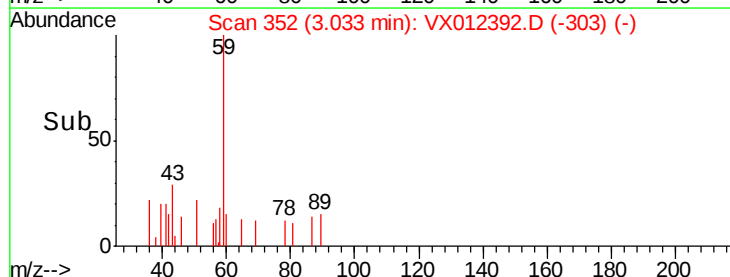
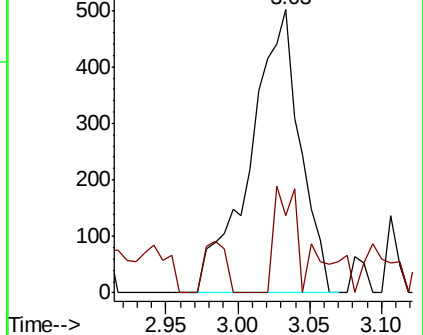
59 100

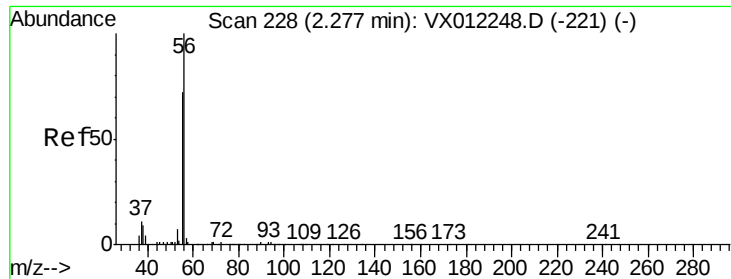
57 19.9 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 1.036 ug/l

RT: 2.26 min Scan# 226

Delta R.T. -0.01 min

Lab File: VX012392.D

Acq: 13 Sep 2019 17:46

Instrument :

MSVOA_X

ClientSampled :

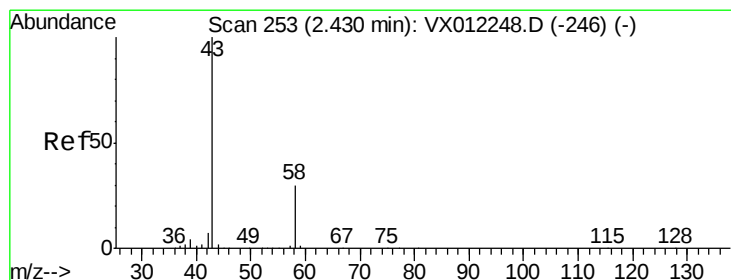
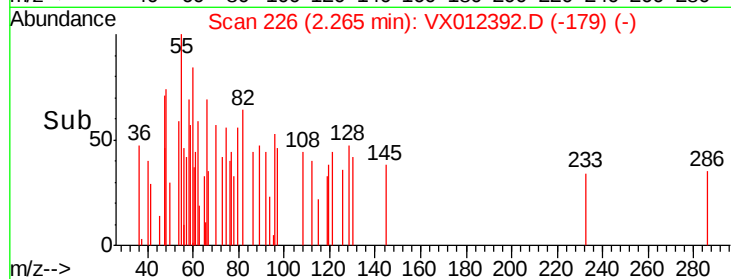
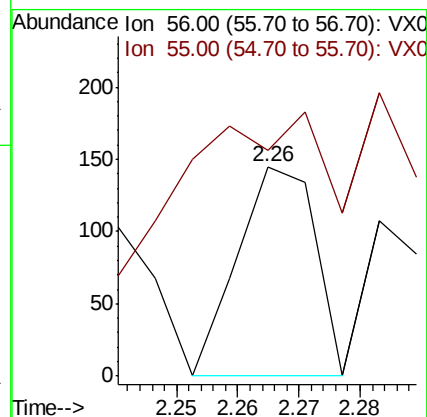
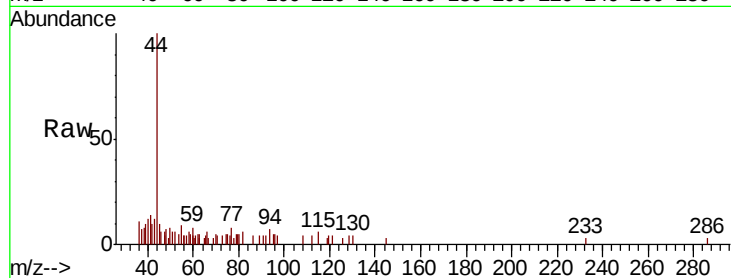
T5-4-(0)

Tgt Ion: 56 Resp: 127

Ion Ratio Lower Upper

56 100

55 134.6 59.8 89.6#



#16

Acetone

Concen: 3.236 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX012392.D

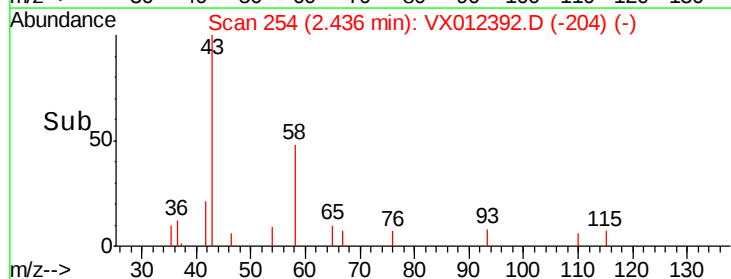
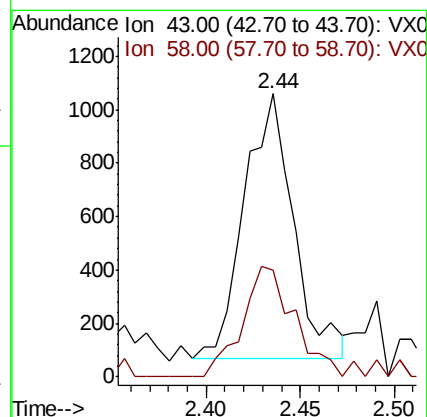
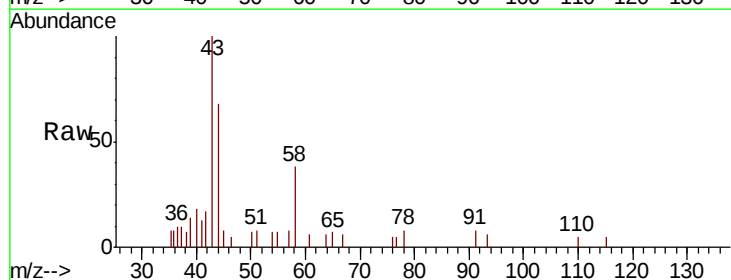
Acq: 13 Sep 2019 17:46

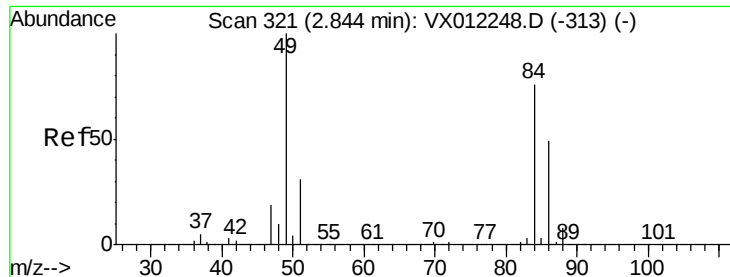
Tgt Ion: 43 Resp: 1796

Ion Ratio Lower Upper

43 100

58 40.5 23.6 35.4#

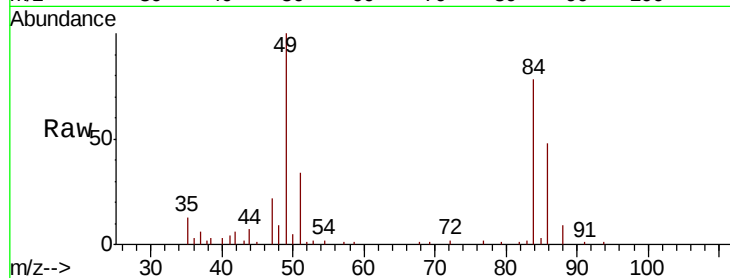




#20
Methylene Chloride
Concen: 2.192 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012392.D
Acq: 13 Sep 2019 17:46

Instrument :
MSVOA_X
ClientSampleId :
T5-4-(0)

Tgt Ion:	84	Resp:	8157
Ion	Ratio	Lower	Upper
84	100		
49	128.1	105.0	157.6
51	41.5	32.6	48.8
86	61.7	51.8	77.6



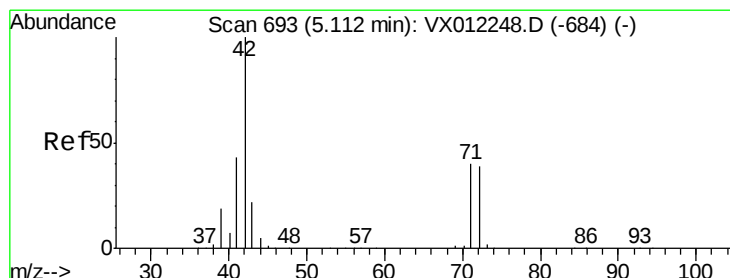
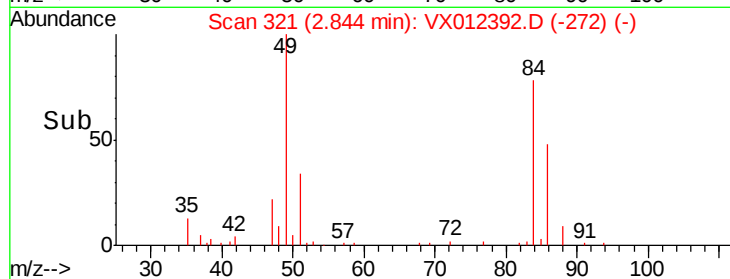
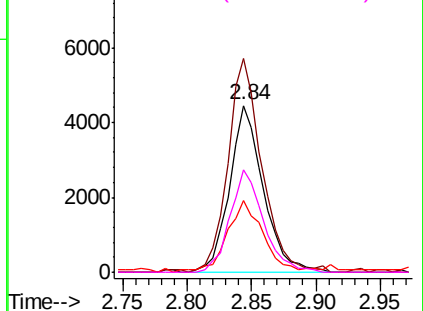
Abundance

Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

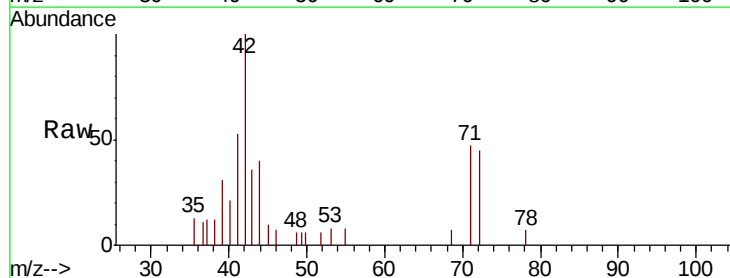
Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#29
Tetrahydrofuran
Concen: 8.355 ug/l
RT: 5.12 min Scan# 695
Delta R.T. 0.01 min
Lab File: VX012392.D
Acq: 13 Sep 2019 17:46

Tgt Ion:	42	Resp:	3198
Ion	Ratio	Lower	Upper
42	100		
72	33.9	35.2	52.8#
71	45.5	32.5	48.7

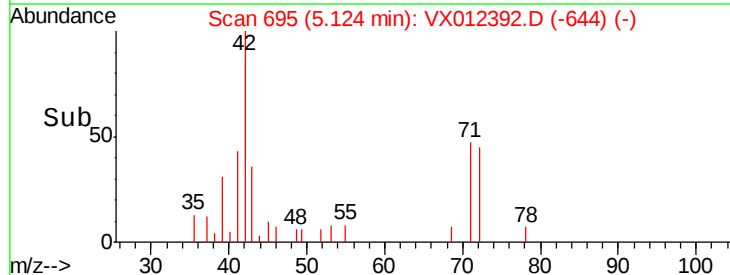
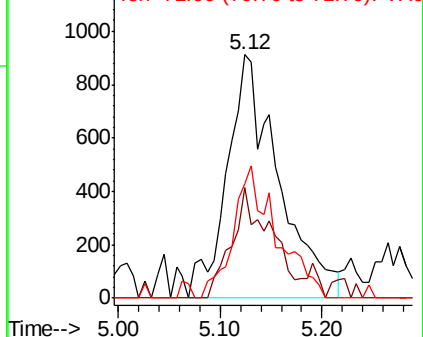


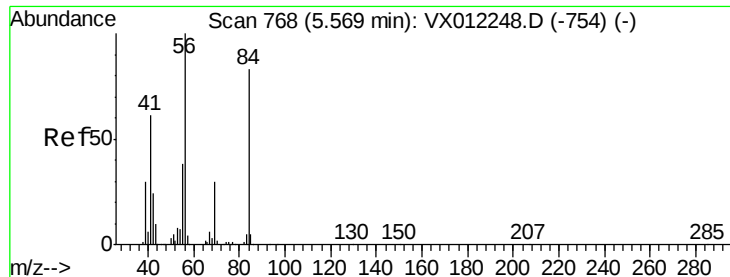
Abundance

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

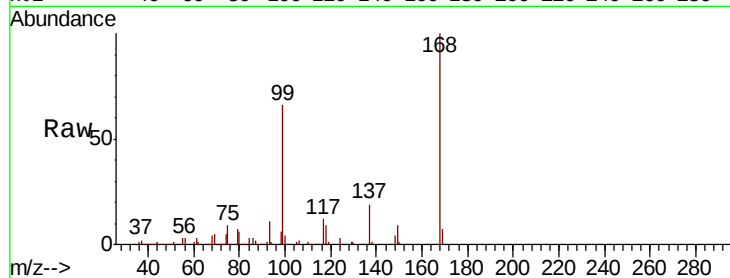




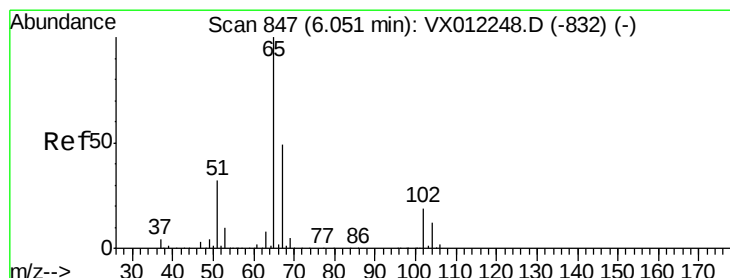
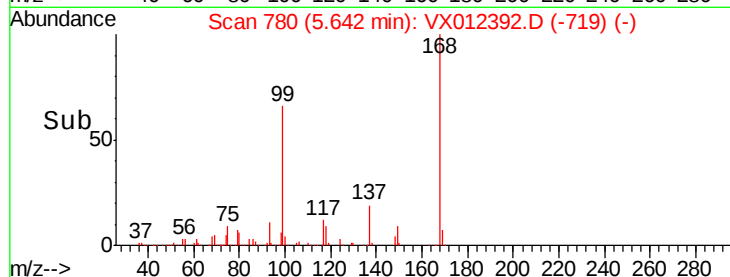
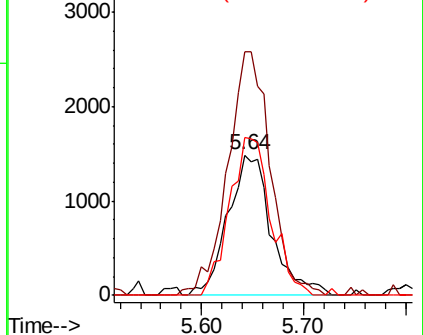
#31
Cyclohexane
Concen: 2.043 ug/l
RT: 5.64 min Scan# 780
Delta R.T. 0.07 min
Lab File: VX012392.D
Acq: 13 Sep 2019 17:46

Instrument :
MSVOA_X
ClientSampleId :
T5-4-(0)

Tgt Ion: 56 Resp: 4447
Ion Ratio Lower Upper
56 100
69 173.6 23.8 35.6#
84 112.3 66.6 100.0#

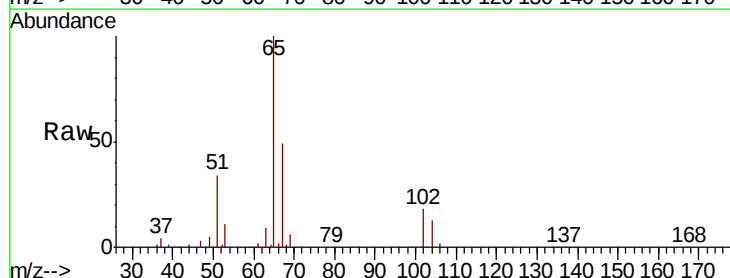


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

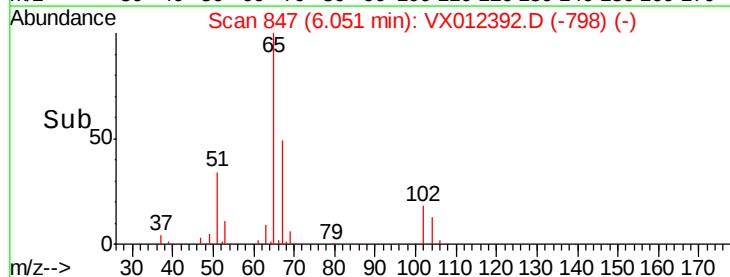
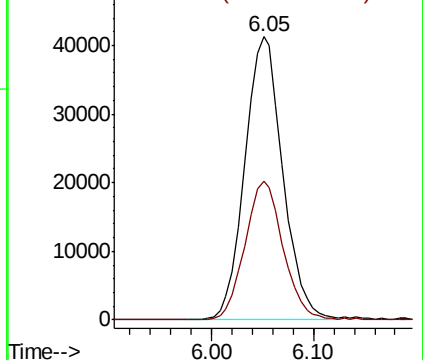


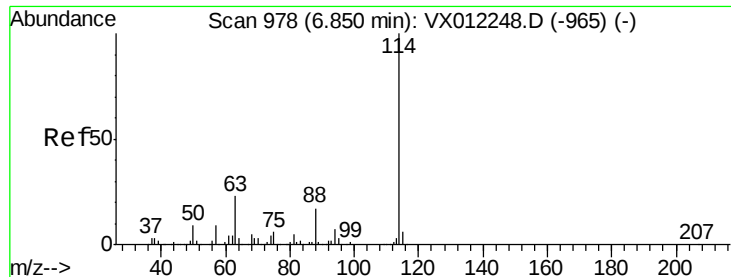
#33
1,2-Dichloroethane-d4
Concen: 45.544 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX012392.D
Acq: 13 Sep 2019 17:46

Tgt Ion: 65 Resp: 106761
Ion Ratio Lower Upper
65 100
67 49.2 0.0 99.8



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: VX012392.D

Acq: 13 Sep 2019 17:46

Instrument :

MSVOA_X

ClientSampleId :

T5-4-(0)

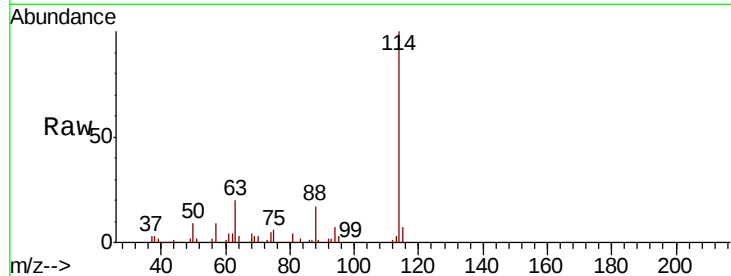
Tgt Ion:114 Resp: 279178

Ion Ratio Lower Upper

114 100

63 20.0 0.0 45.2

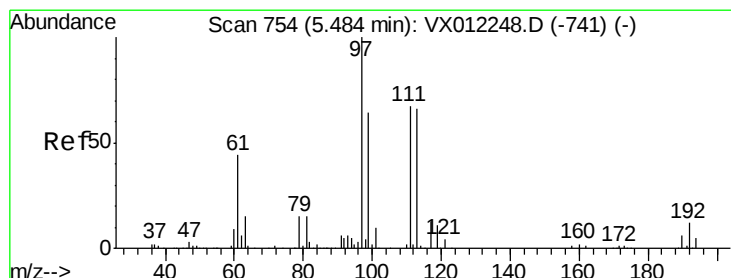
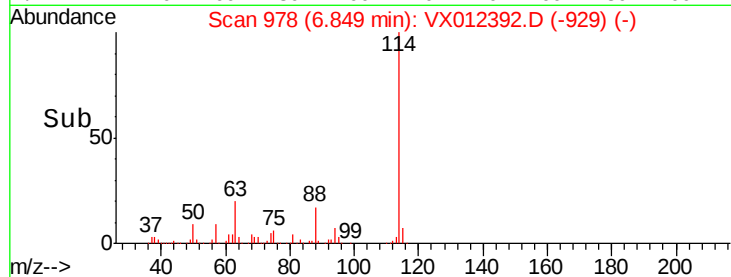
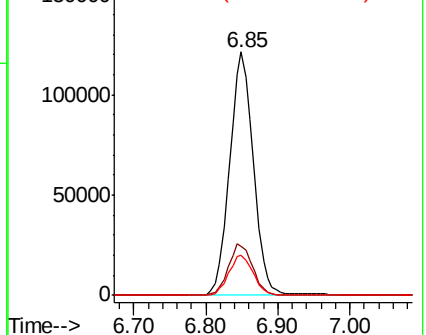
88 16.6 0.0 34.8



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: 45.495 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012392.D

Acq: 13 Sep 2019 17:46

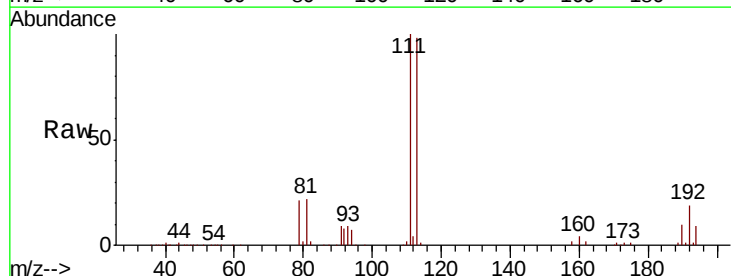
Tgt Ion:113 Resp: 81420

Ion Ratio Lower Upper

113 100

111 103.0 83.0 124.6

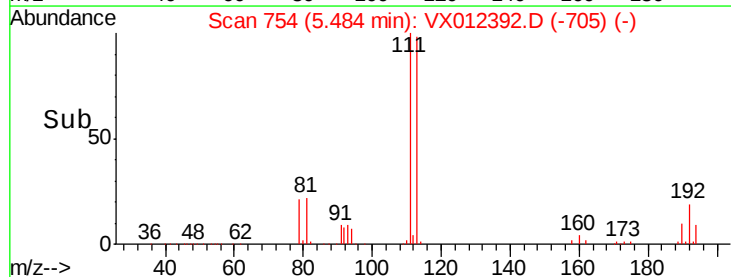
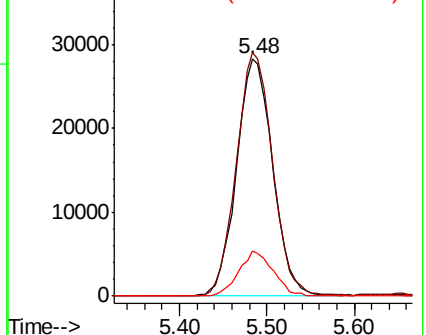
192 18.2 14.3 21.5

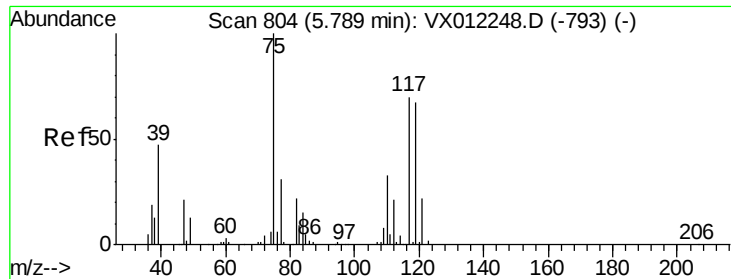


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

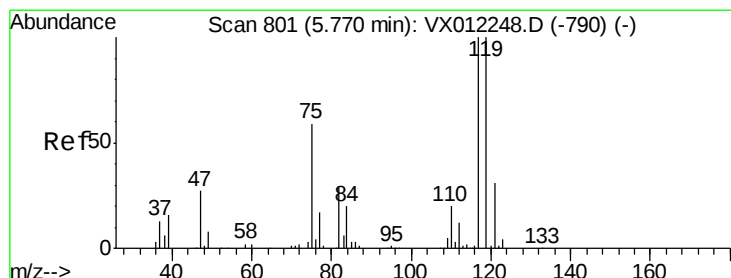
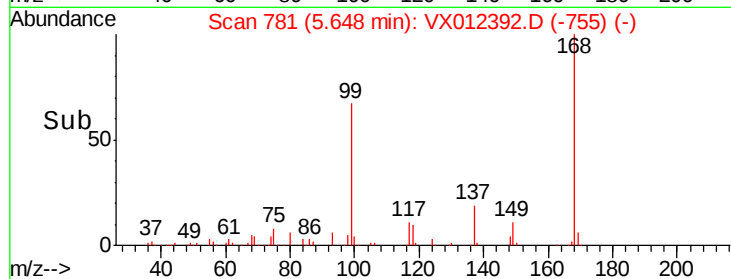
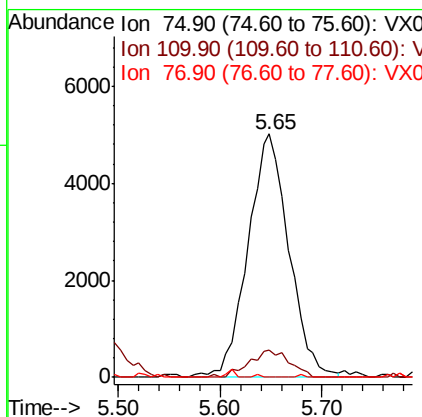
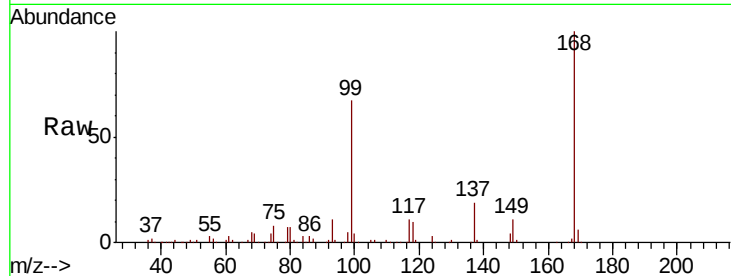




#36
 1,1-Dichloropropene
 Concen: 6.856 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012392.D
 Acq: 13 Sep 2019 17:46

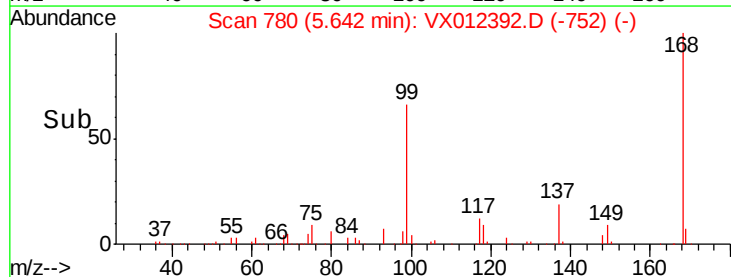
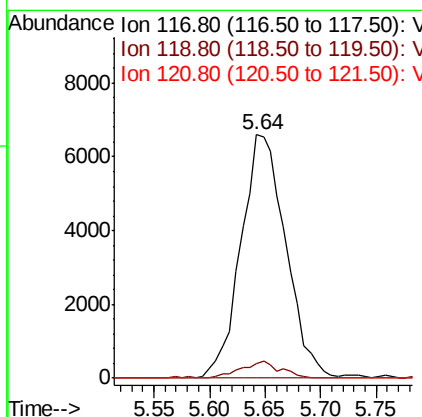
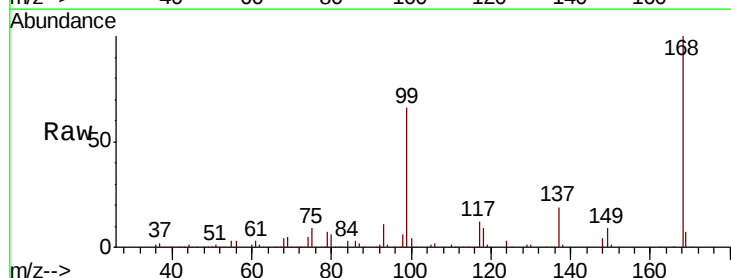
Instrument :
 MSVOA_X
 ClientSampled :
 T5-4-(0)

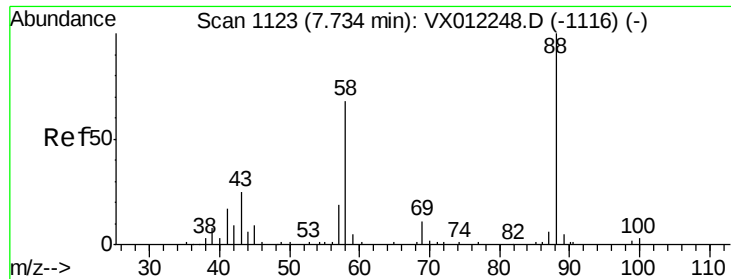
Tgt Ion: 75 Resp: 13957
 Ion Ratio Lower Upper
 75 100
 110 11.0 16.8 50.4#
 77 0.1 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 7.727 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.13 min
 Lab File: VX012392.D
 Acq: 13 Sep 2019 17:46

Tgt Ion: 117 Resp: 18456
 Ion Ratio Lower Upper
 117 100
 119 6.0 79.6 119.4#
 121 0.0 24.7 37.1#

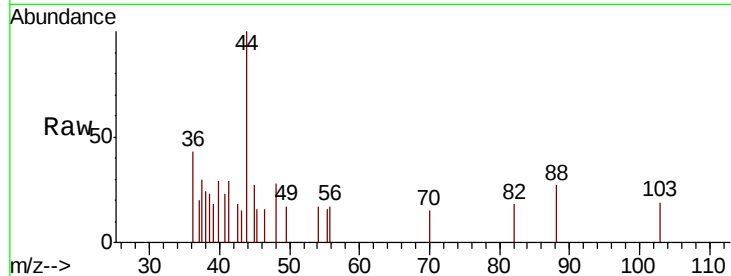




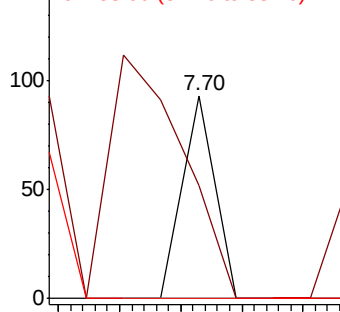
#49
1,4-Dioxane
Concen: 1.984 ug/l
RT: 7.70 min Scan# 1118
Delta R.T. -0.03 min
Lab File: VX012392.D
Acq: 13 Sep 2019 17:46

Instrument :
MSVOA_X
ClientSampleId :
T5-4(0)

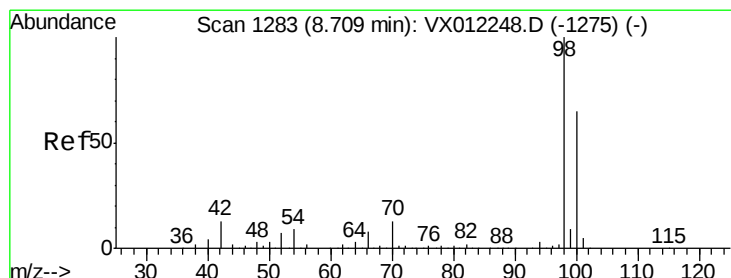
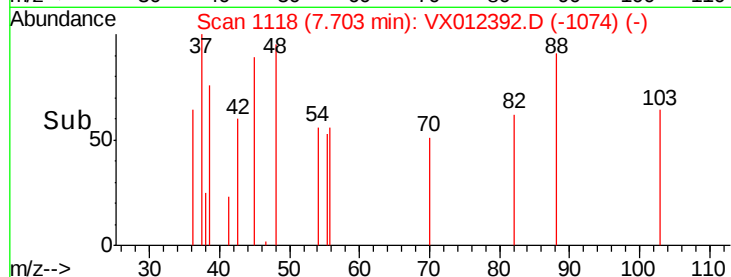
Tgt Ion: 88 Resp: 34
Ion Ratio Lower Upper
88 100
43 0.0 31.0 46.4#
58 0.0 61.5 92.3#



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

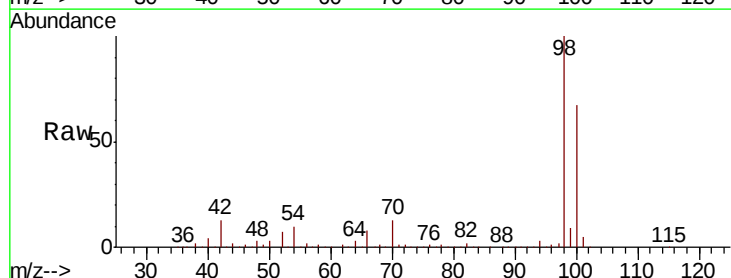


Time--> 7.68 7.69 7.70 7.71 7.72

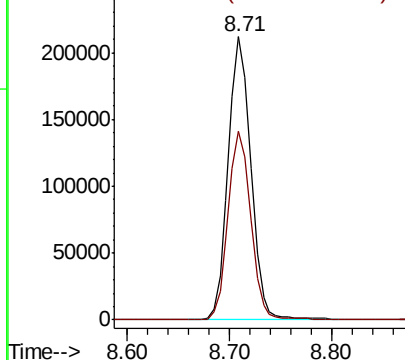


#50
Toluene-d8
Concen: 52.137 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012392.D
Acq: 13 Sep 2019 17:46

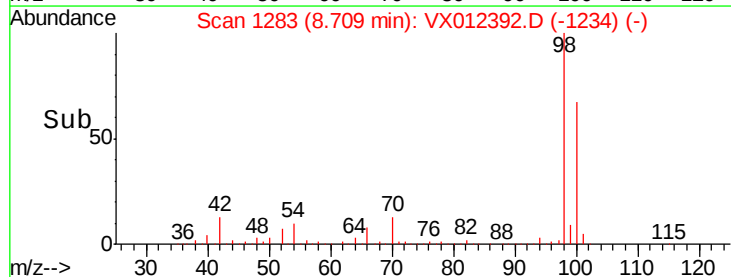
Tgt Ion: 98 Resp: 327261
Ion Ratio Lower Upper
98 100
100 67.0 54.1 81.1

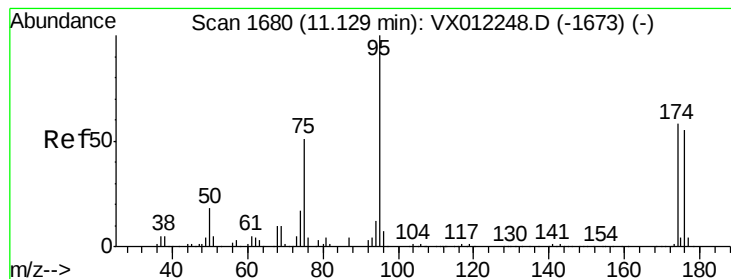


Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V



Time--> 8.60 8.70 8.80





#62

4-Bromofluorobenzene

Concen: 41.416 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX012392.D

Acq: 13 Sep 2019 17:46

Instrument :

MSVOA_X

ClientSampleId :

T5-4-(0)

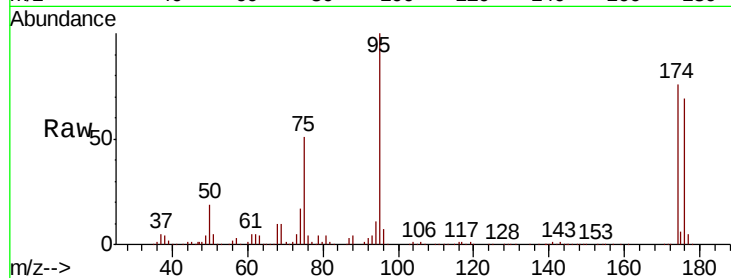
Tgt Ion: 95 Resp: 120521

Ion Ratio Lower Upper

95 100

174 69.9 0.0 127.0

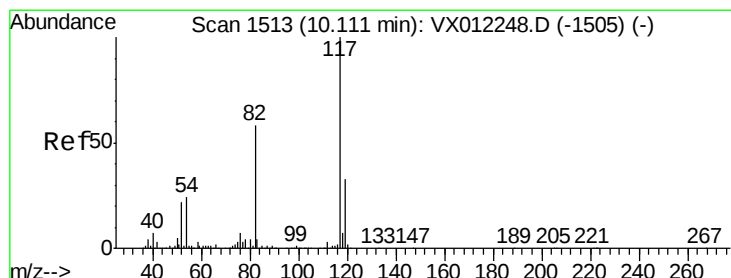
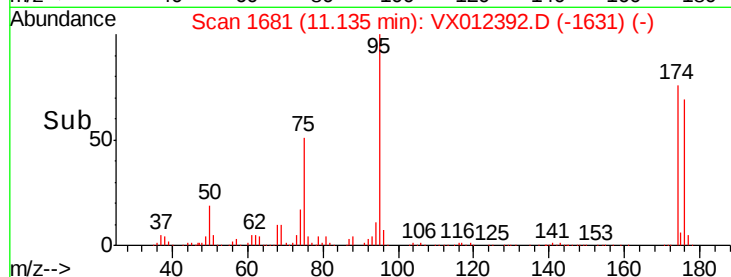
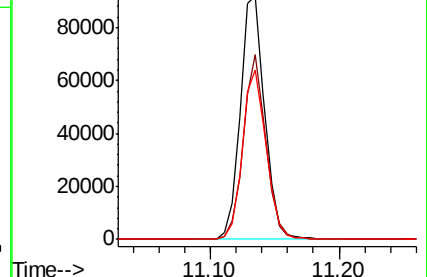
176 67.8 0.0 125.8



Abundance Ion 94.90 (94.60 to 95.60): VX012248.D (-1673) (-)

Ion 173.80 (173.50 to 174.50): VX012248.D (-1673) (-)

Ion 175.80 (175.50 to 176.50): VX012248.D (-1673) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX012392.D

Acq: 13 Sep 2019 17:46

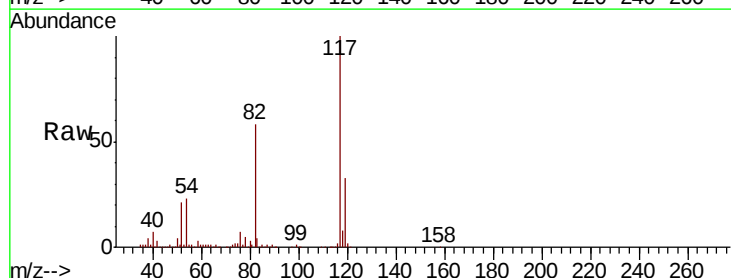
Tgt Ion: 117 Resp: 243486

Ion Ratio Lower Upper

117 100

82 58.2 46.4 69.6

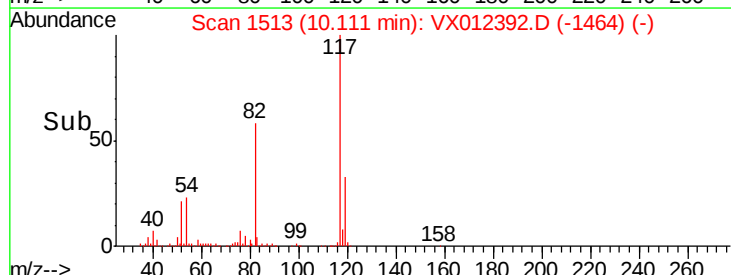
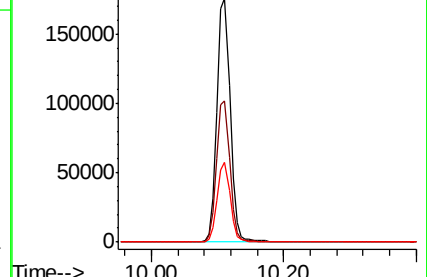
119 32.8 26.6 39.8

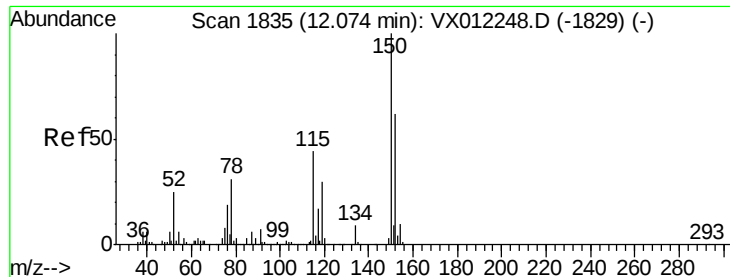


Abundance Ion 116.90 (116.60 to 117.60): VX012248.D (-1505) (-)

Ion 82.00 (81.70 to 82.70): VX012248.D (-1505) (-)

Ion 118.90 (118.60 to 119.60): VX012248.D (-1505) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012392.D

Acq: 13 Sep 2019 17:46

Instrument :

MSVOA_X

ClientSampleId :

T5-4(0)

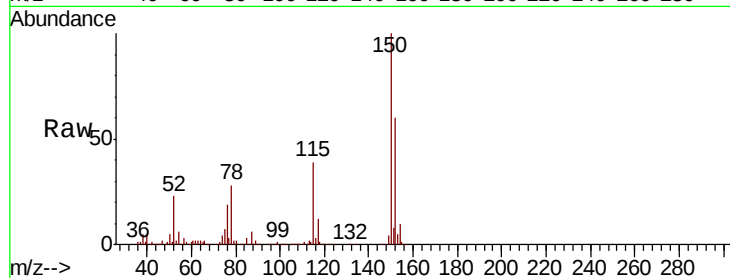
Tgt Ion:152 Resp: 101112

Ion Ratio Lower Upper

152 100

115 64.6 45.5 136.4

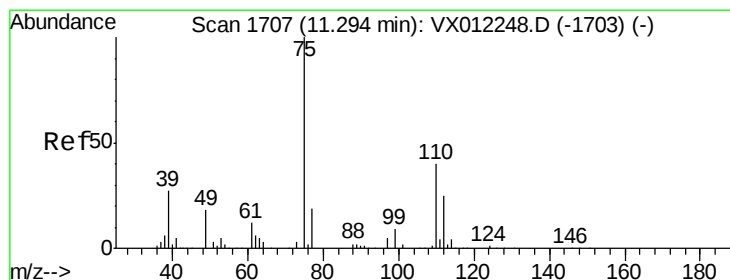
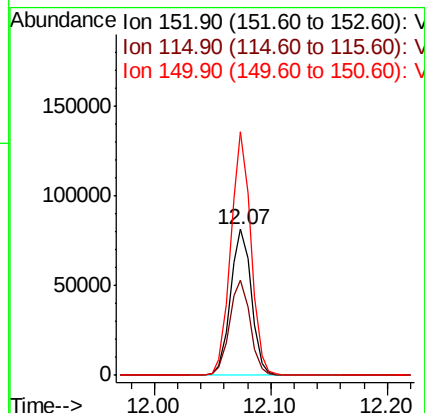
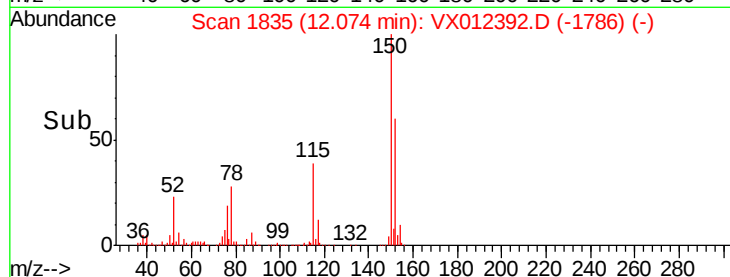
150 160.1 0.0 346.4



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: 48.514 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012392.D

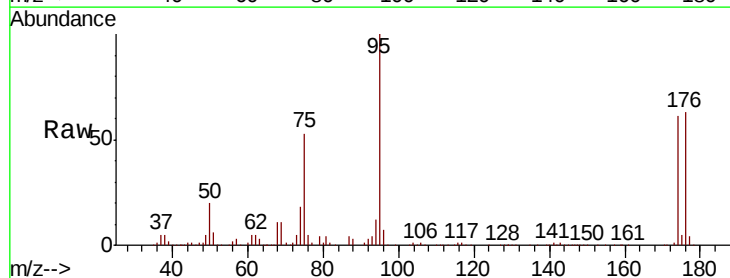
Acq: 13 Sep 2019 17:46

Tgt Ion: 75 Resp: 63016

Ion Ratio Lower Upper

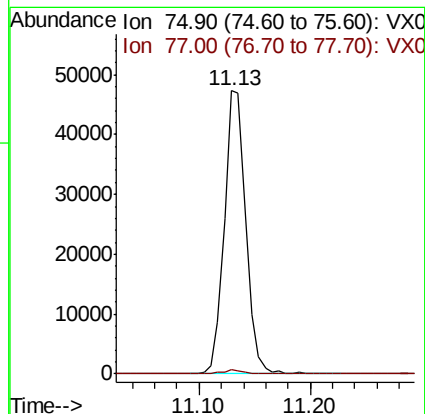
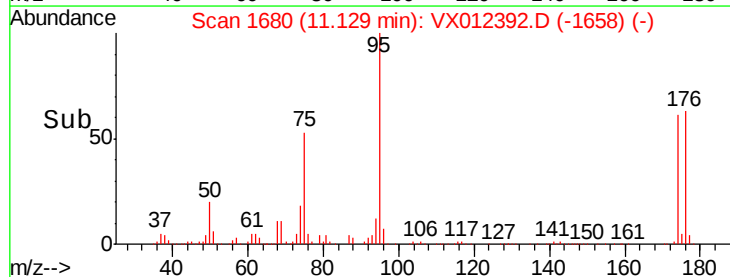
75 100

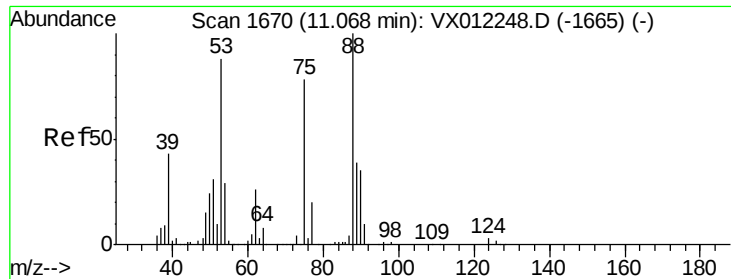
77 1.4 19.7 59.0#



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: 145.358 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012392.D

Acq: 13 Sep 2019 17:46

Instrument :

MSVOA_X

ClientSampleId :

T5-4-(0)

Tgt Ion: 75 Resp: 63016

Ion Ratio Lower Upper

75 100

53 0.4 88.1 132.1#

89 0.0 43.5 65.3#

