

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091319\
 Data File : VX012390.D
 Acq On : 13 Sep 2019 16:50
 Operator : SY/SP
 Sample : K4695-11
 Misc : 6.21g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T5-3-(0)

Quant Time: Sep 14 00:05:21 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	171806	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	288895	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	249366	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	103392	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	110638	45.55	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	91.10%	
35) Dibromofluoromethane	5.48	113	86212	46.55	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.10%	
50) Toluene-d8	8.71	98	340013	52.35	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.70%	
62) 4-Bromofluorobenzene	11.13	95	123190	40.91	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	81.82%	

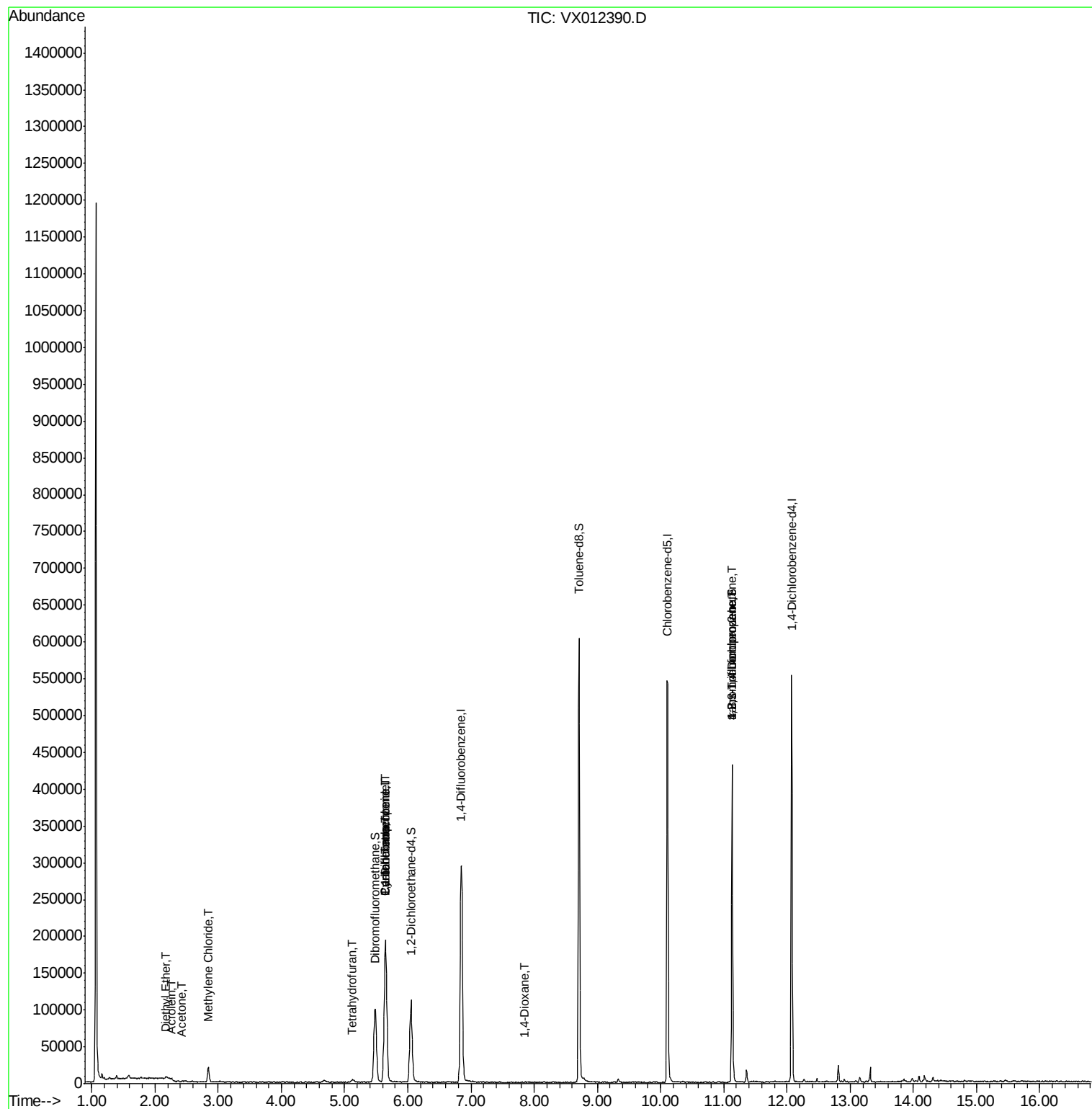
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	388	Below Cal		96
8) Diethyl Ether	2.17	74	966	1.246	ug/l	84
11) Tert butyl alcohol	3.03	59	1265	Below Cal	#	86
13) Acrolein	2.27	56	147	1.158	ug/l #	12
16) Acetone	2.42	43	1753	3.049	ug/l	100
20) Methylene Chloride	2.84	84	8984	2.505	ug/l	87
29) Tetrahydrofuran	5.12	42	3031	7.642	ug/l	94
31) Cyclohexane	5.65	56	4242	1.881	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14504	6.885	ug/l #	54
38) Carbon Tetrachloride	5.65	117	19319	7.817	ug/l #	14
49) 1,4-Dioxane	7.84	88	28	1.579	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	64893	48.857	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	64893	146.387	ug/l #	5

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

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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: VX012390.D

Acq: 13 Sep 2019 16:50

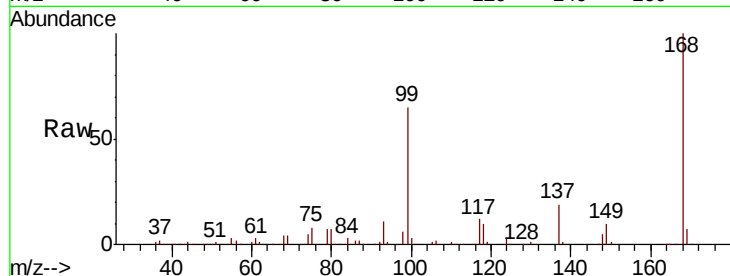
Instrument :
MSVOA_X
ClientSampleId :
T5-3-(0)

Tgt Ion: 168 Resp: 171806

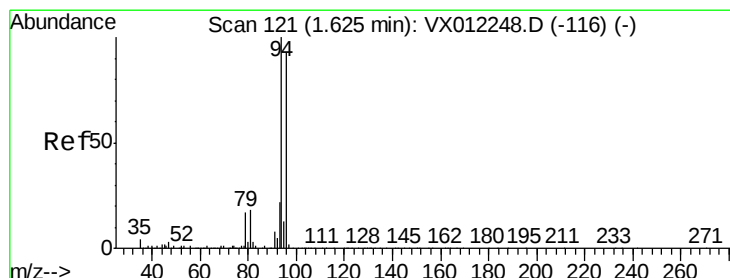
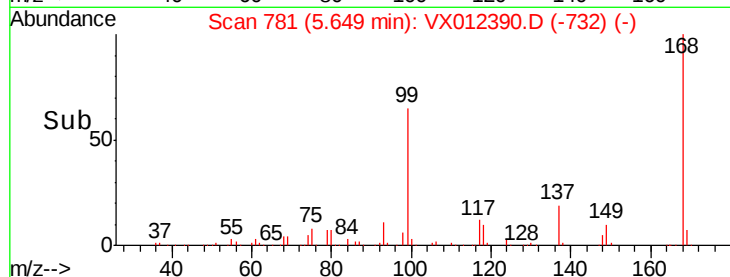
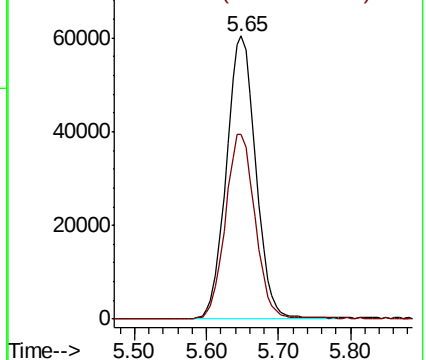
Ion Ratio Lower Upper

168 100

99 65.1 55.8 83.6



Abundance Ion 167.90 (167.60 to 168.60): VX012248.D (-769) (-)



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX012390.D

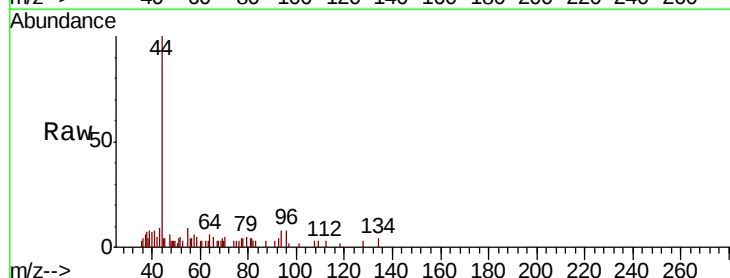
Acq: 13 Sep 2019 16:50

Tgt Ion: 94 Resp: 388

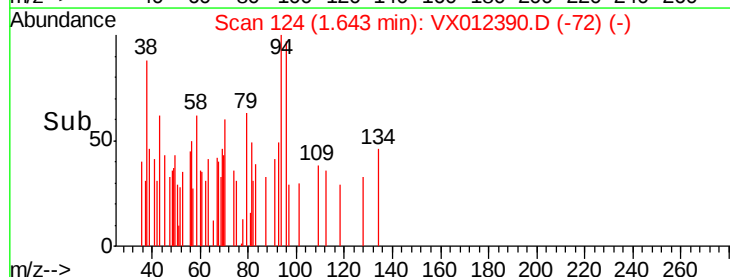
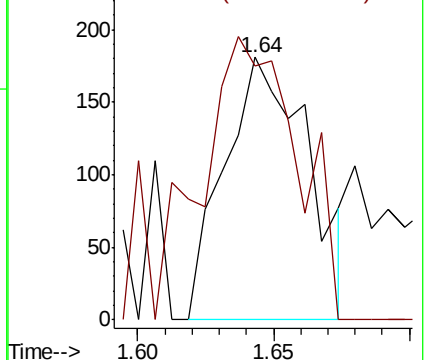
Ion Ratio Lower Upper

94 100

96 96.7 74.0 111.0



Abundance Ion 93.90 (93.60 to 94.60): VX012248.D (-116) (-)





#8

Diethyl Ether

Concen: 1.246 ug/l

RT: 2.17 min Scan# 211

Delta R.T. 0.00 min

Lab File: VX012390.D

Acq: 13 Sep 2019 16:50

Instrument :

MSVOA_X

ClientSampled :

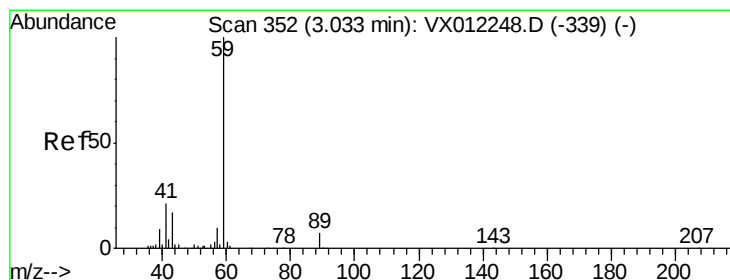
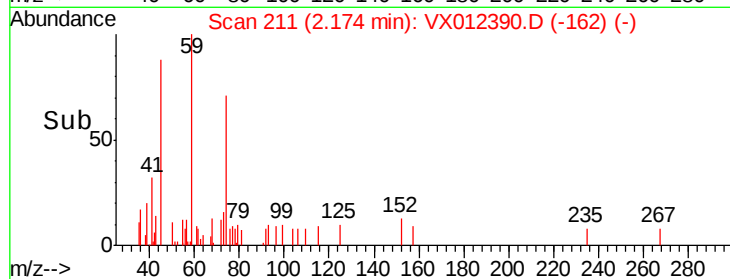
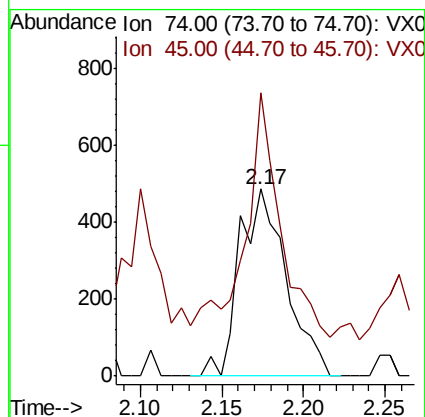
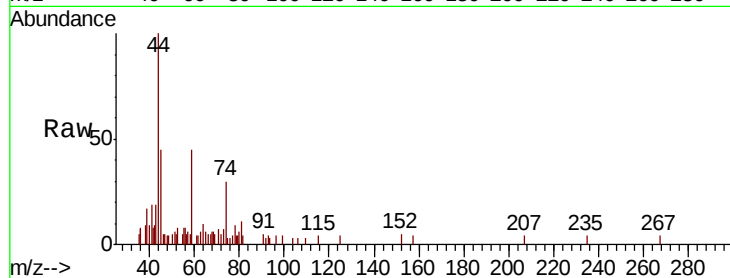
T5-3-(0)

Tgt Ion: 74 Resp: 966

Ion Ratio Lower Upper

74 100

45 118.9 51.3 153.9



#11

Tert butyl alcohol

Concen: Below Cal

RT: 3.03 min Scan# 352

Delta R.T. 0.00 min

Lab File: VX012390.D

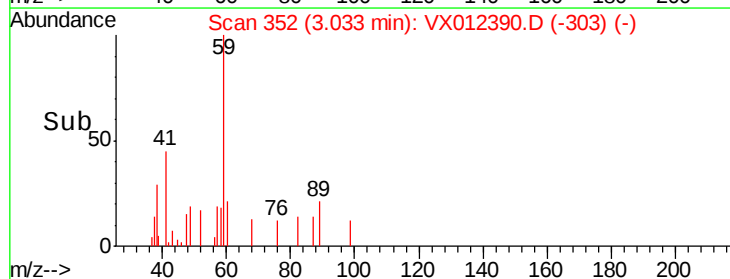
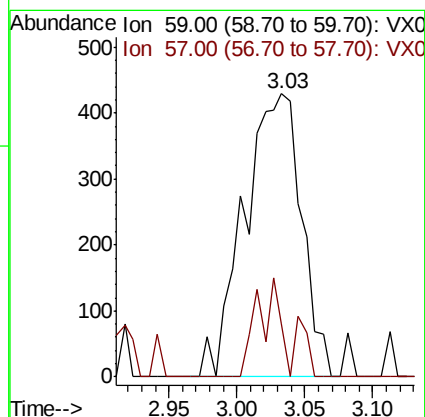
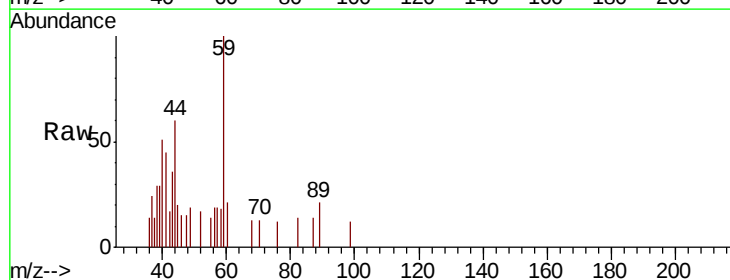
Acq: 13 Sep 2019 16:50

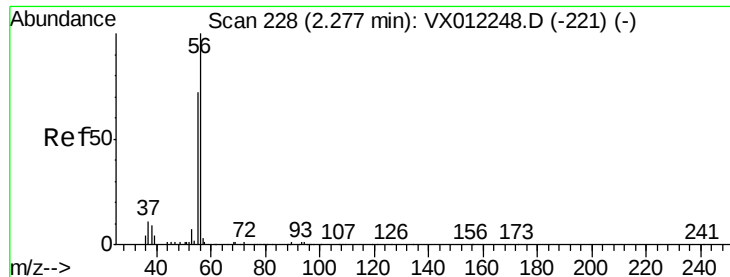
Tgt Ion: 59 Resp: 1265

Ion Ratio Lower Upper

59 100

57 4.6 7.8 11.6#





#13

Acrolein

Concen: 1.158 ug/l

RT: 2.27 min Scan# 226

Delta R.T. -0.01 min

Lab File: VX012390.D

Acq: 13 Sep 2019 16:50

Instrument :

MSVOA_X

ClientSampled :

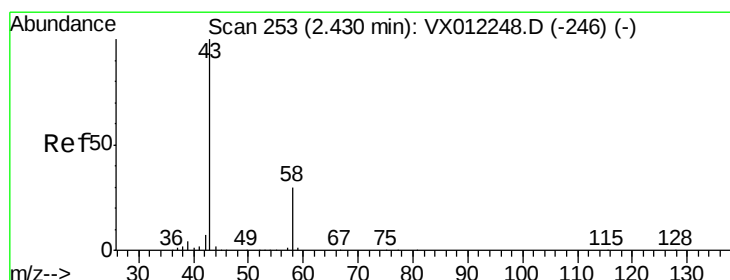
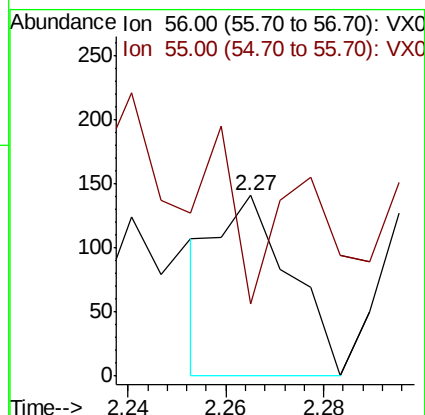
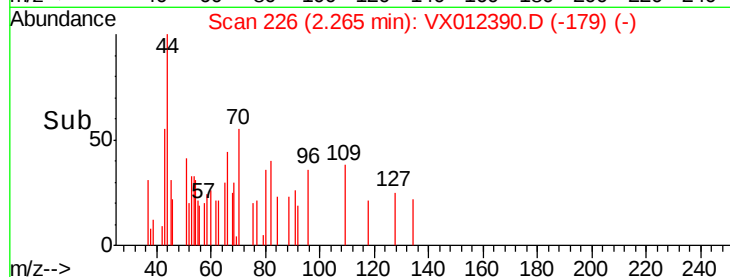
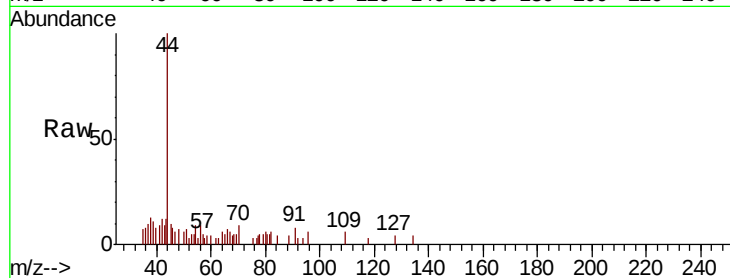
T5-3-(0)

Tgt Ion: 56 Resp: 147

Ion Ratio Lower Upper

56 100

55 0.0 59.8 89.6#



#16

Acetone

Concen: 3.049 ug/l

RT: 2.42 min Scan# 252

Delta R.T. -0.01 min

Lab File: VX012390.D

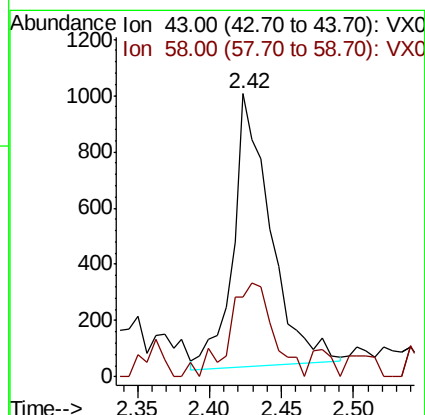
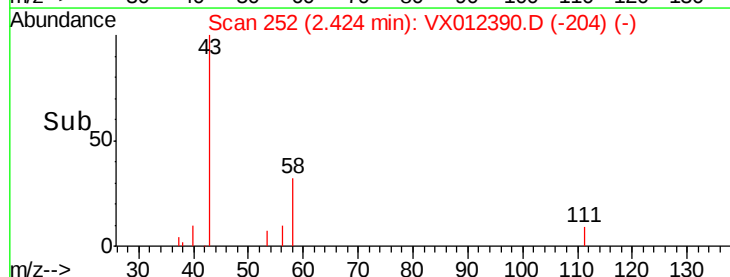
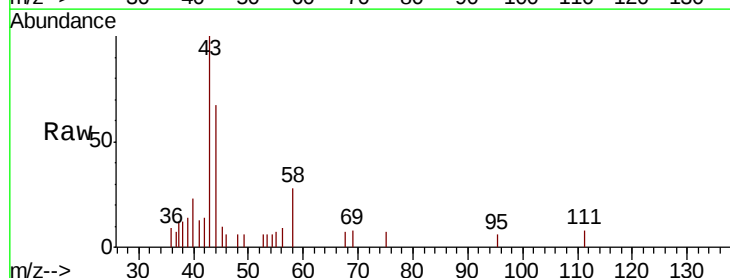
Acq: 13 Sep 2019 16:50

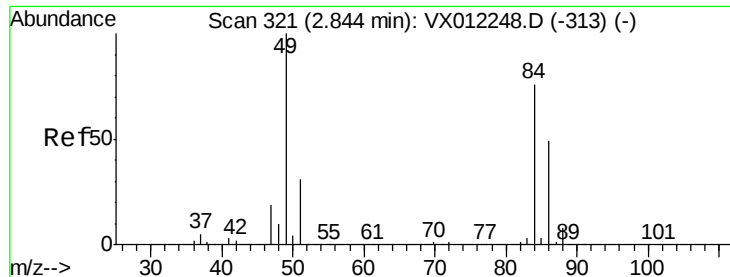
Tgt Ion: 43 Resp: 1753

Ion Ratio Lower Upper

43 100

58 29.7 23.6 35.4

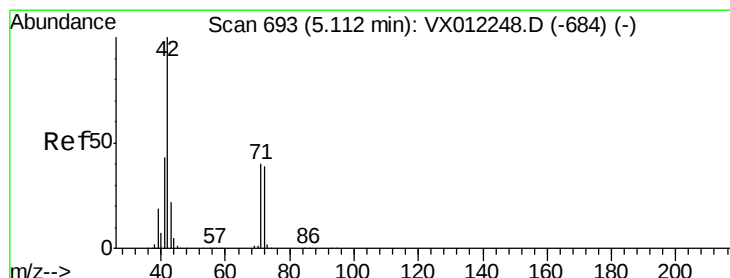
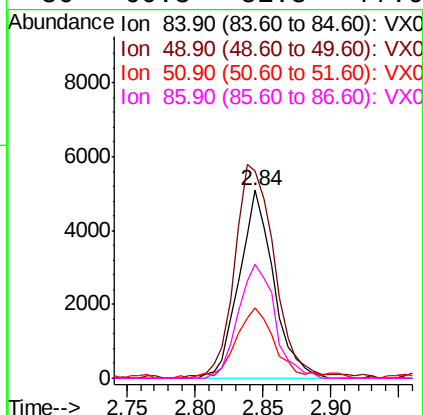
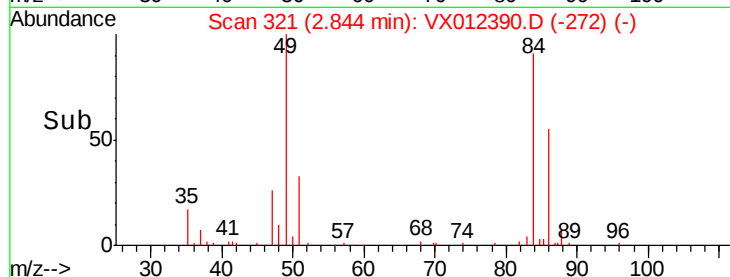
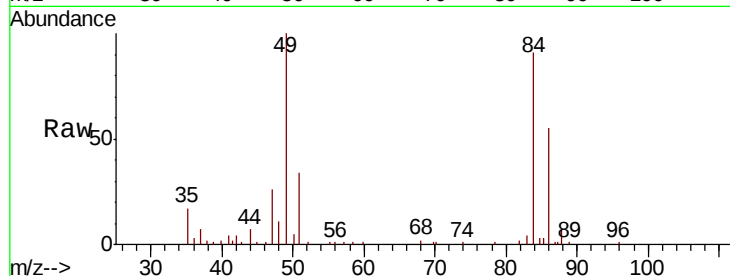




#20
Methylene Chloride
Concen: 2.505 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012390.D
Acq: 13 Sep 2019 16:50

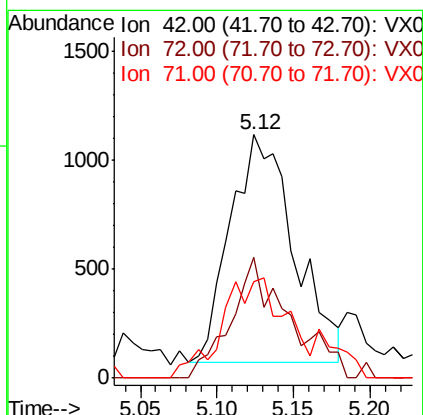
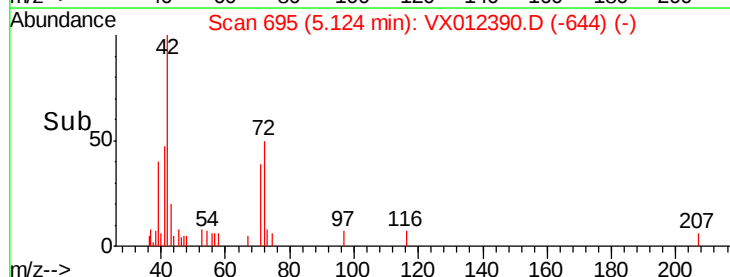
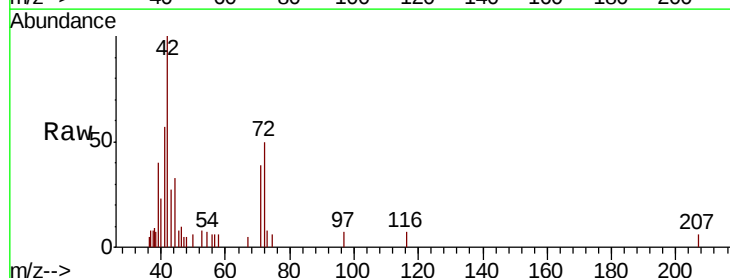
Instrument :
MSVOA_X
ClientSampleId :
T5-3-(0)

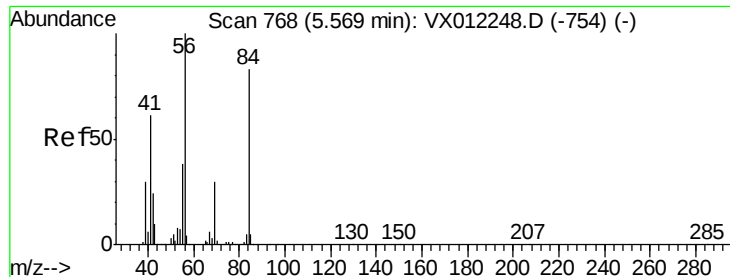
Tgt Ion:	84	Resp:	8984
Ion	Ratio	Lower	Upper
84	100		
49	108.7	105.0	157.6
51	37.4	32.6	48.8
86	60.3	51.8	77.6



#29
Tetrahydrofuran
Concen: 7.642 ug/l
RT: 5.12 min Scan# 695
Delta R.T. 0.01 min
Lab File: VX012390.D
Acq: 13 Sep 2019 16:50

Tgt Ion:	42	Resp:	3031
Ion	Ratio	Lower	Upper
42	100		
72	48.1	35.2	52.8
71	44.0	32.5	48.7

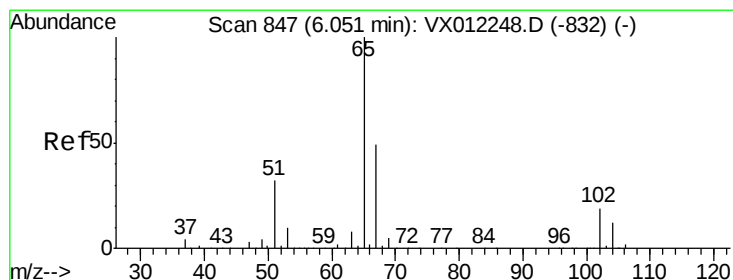
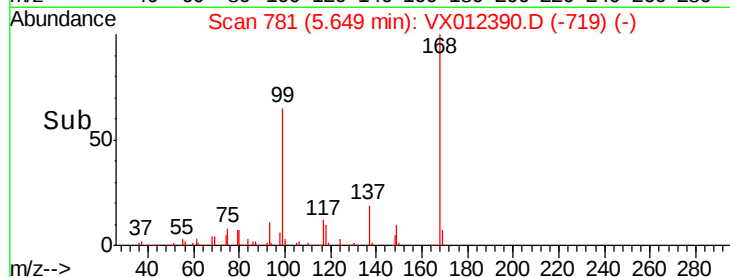
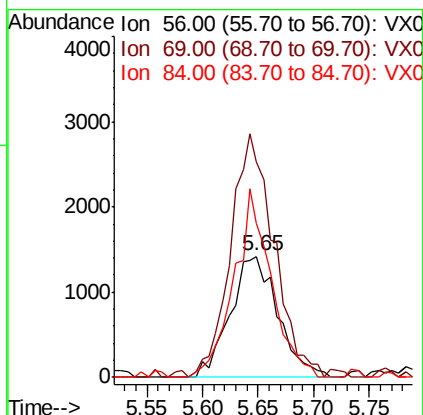
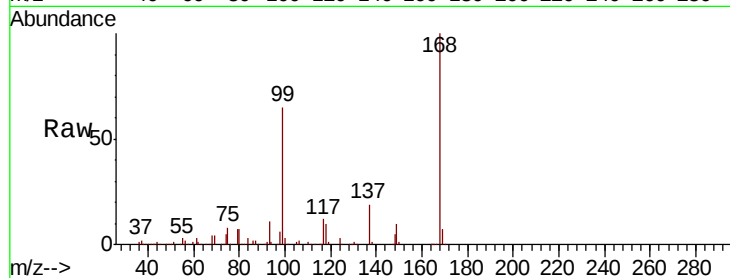




#31
Cyclohexane
Concen: 1.881 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.08 min
Lab File: VX012390.D
Acq: 13 Sep 2019 16:50

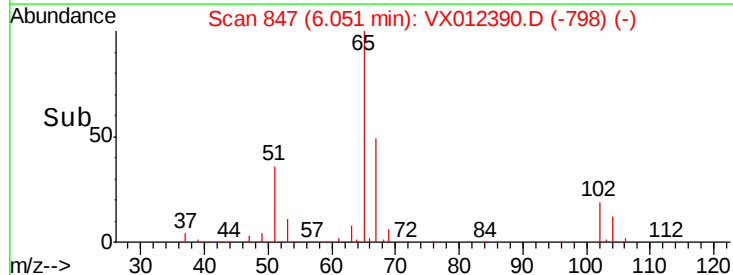
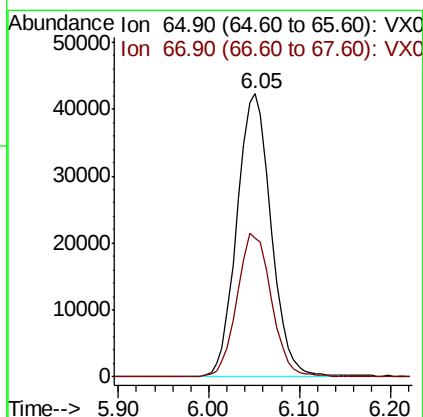
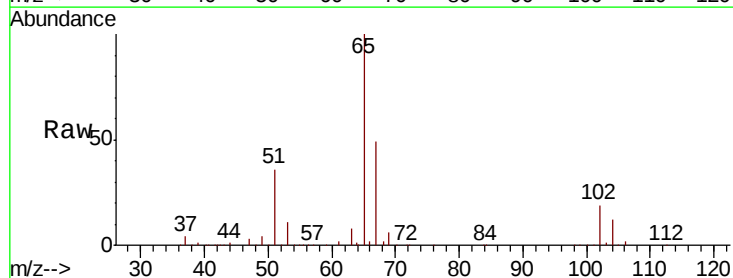
Instrument :
MSVOA_X
ClientSampleId :
T5-3-(0)

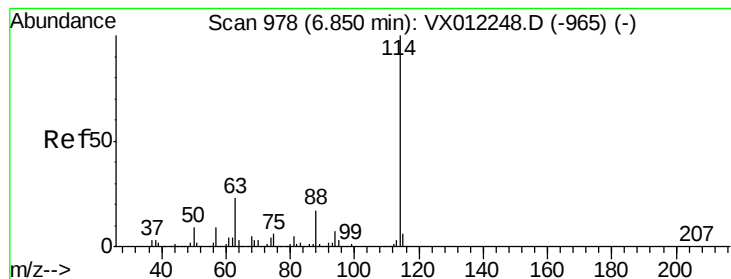
Tgt Ion: 56 Resp: 4242
Ion Ratio Lower Upper
56 100
69 178.6 23.8 35.6#
84 127.9 66.6 100.0#



#33
1,2-Dichloroethane-d4
Concen: 45.549 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX012390.D
Acq: 13 Sep 2019 16:50

Tgt Ion: 65 Resp: 110638
Ion Ratio Lower Upper
65 100
67 51.3 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: VX012390.D

Acq: 13 Sep 2019 16:50

Instrument :

MSVOA_X

ClientSampleId :

T5-3-(0)

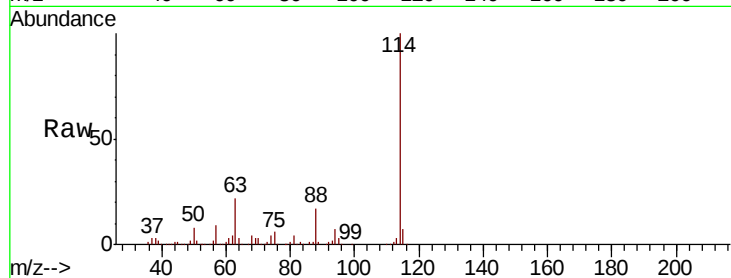
Tgt Ion:114 Resp: 288895

Ion Ratio Lower Upper

114 100

63 21.9 0.0 45.2

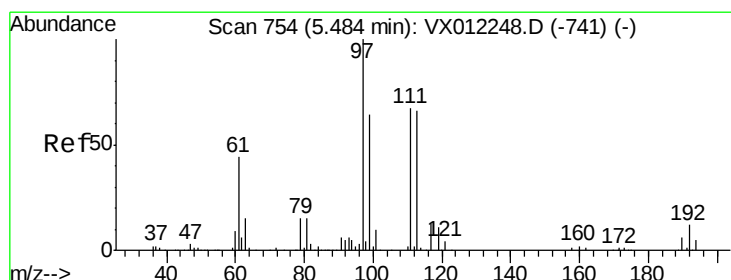
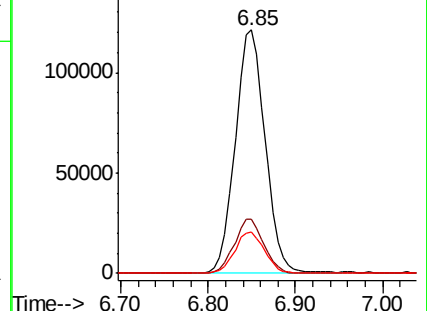
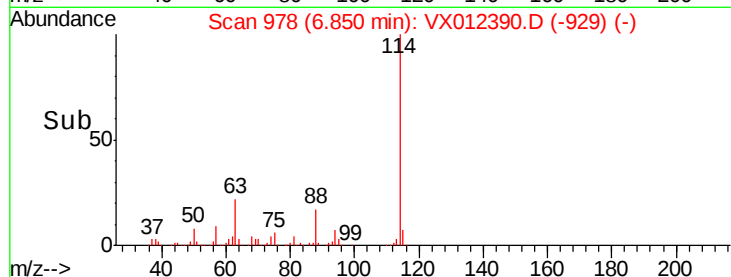
88 17.1 0.0 34.8



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: 46.552 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX012390.D

Acq: 13 Sep 2019 16:50

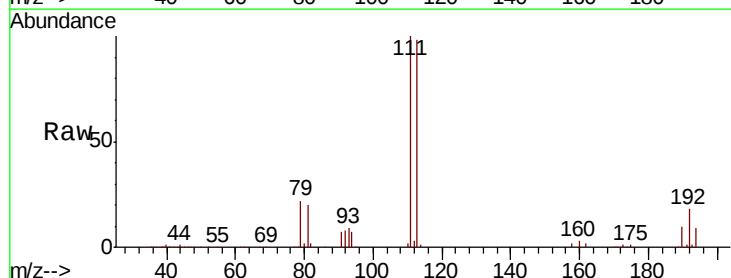
Tgt Ion:113 Resp: 86212

Ion Ratio Lower Upper

113 100

111 103.1 83.0 124.6

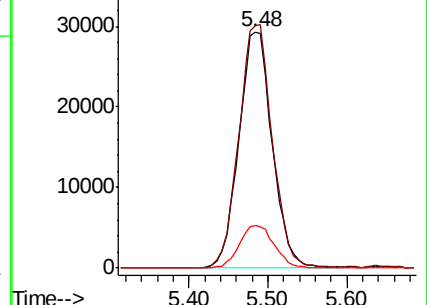
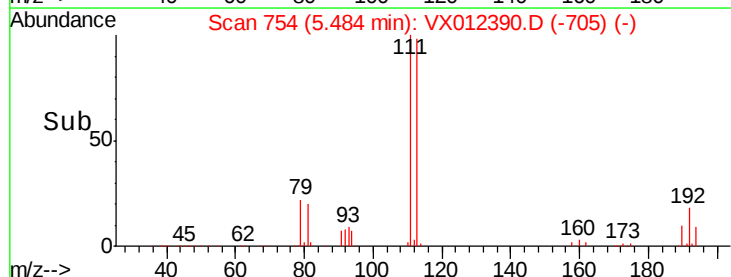
192 18.8 14.3 21.5

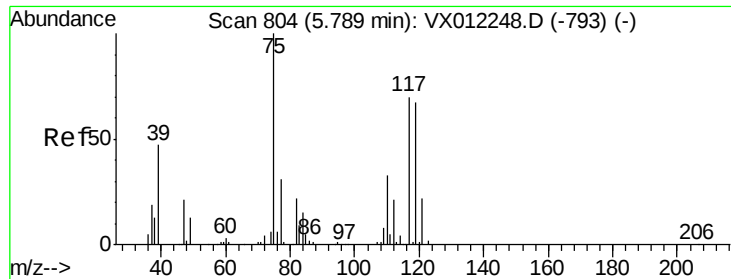


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

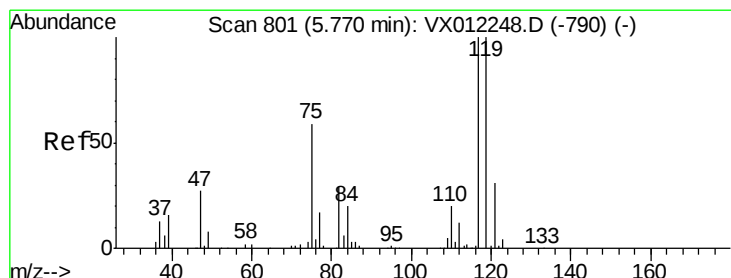
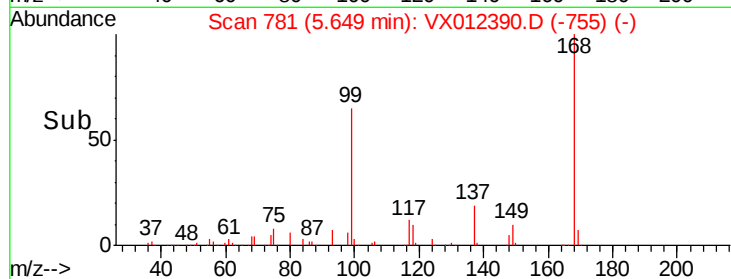
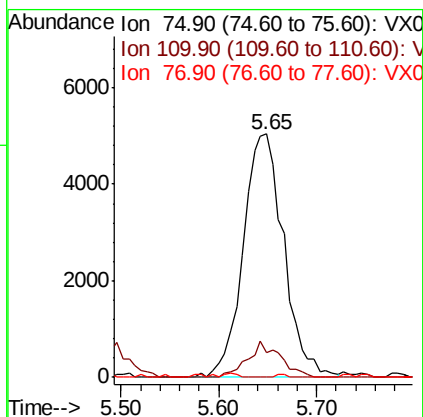
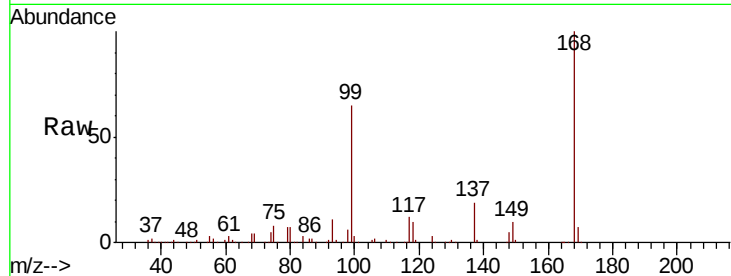




#36
 1,1-Dichloropropene
 Concen: 6.885 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012390.D
 Acq: 13 Sep 2019 16:50

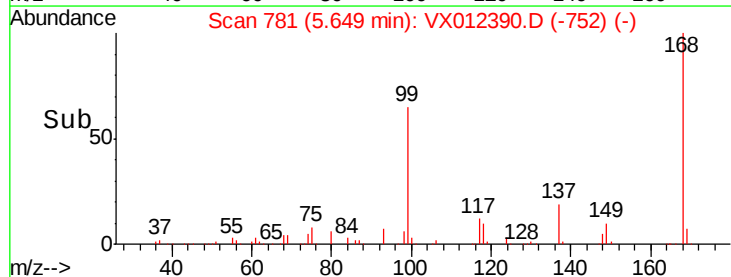
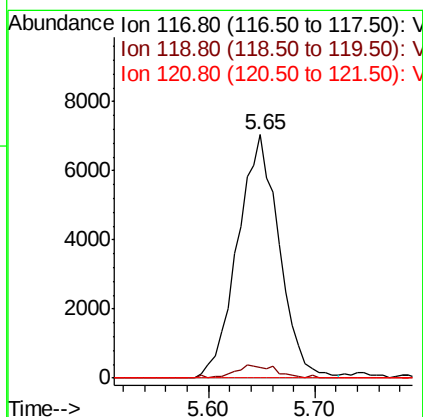
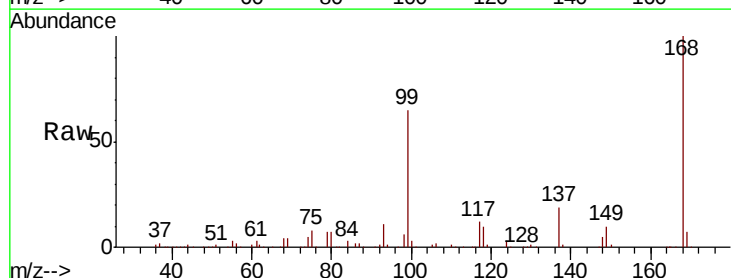
Instrument :
 MSVOA_X
 ClientSampled :
 T5-3-(0)

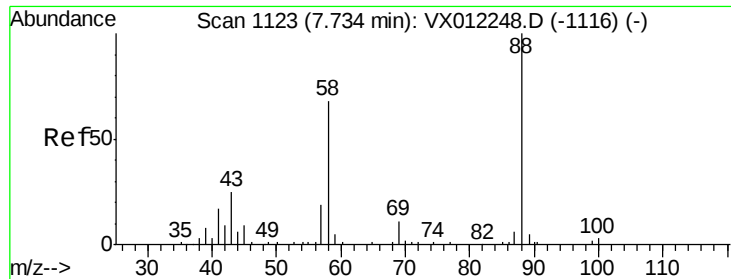
Tgt Ion: 75 Resp: 14504
 Ion Ratio Lower Upper
 75 100
 110 11.9 16.8 50.4#
 77 0.3 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 7.817 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.12 min
 Lab File: VX012390.D
 Acq: 13 Sep 2019 16:50

Tgt Ion: 117 Resp: 19319
 Ion Ratio Lower Upper
 117 100
 119 4.6 79.6 119.4#
 121 0.0 24.7 37.1#

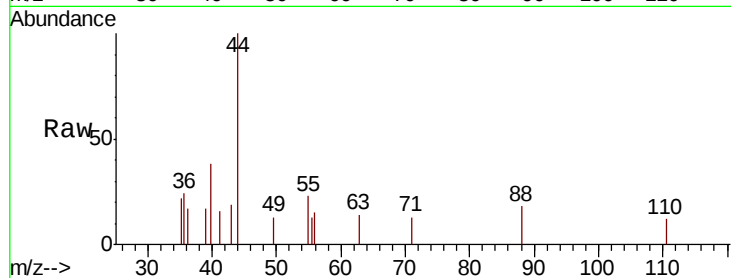




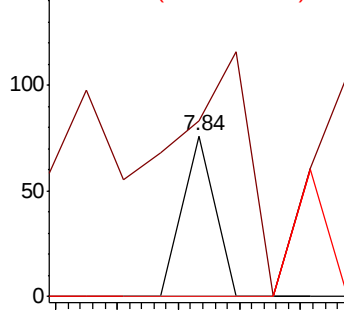
#49
1,4-Dioxane
Concen: 1.579 ug/l
RT: 7.84 min Scan# 1141
Delta R.T. 0.11 min
Lab File: VX012390.D
Acq: 13 Sep 2019 16:50

Instrument :
MSVOA_X
ClientSampled :
T5-3-(0)

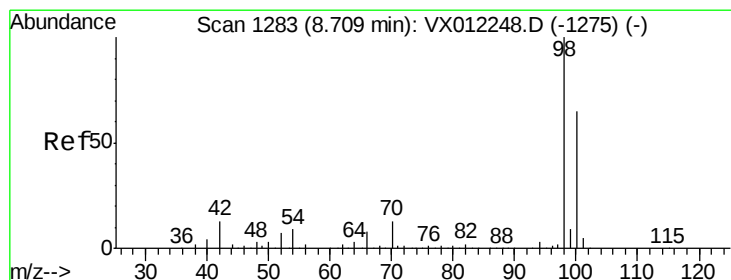
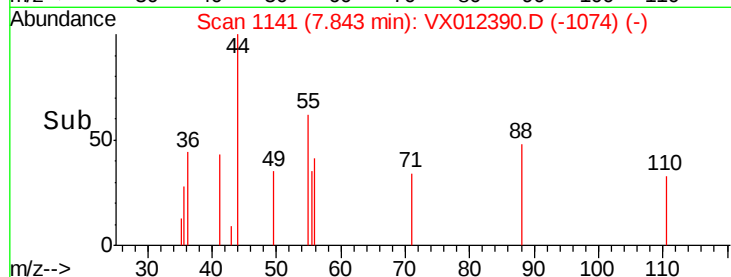
Tgt Ion: 88 Resp: 28
Ion Ratio Lower Upper
88 100
43 350.0 31.0 46.4#
58 0.0 61.5 92.3#



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

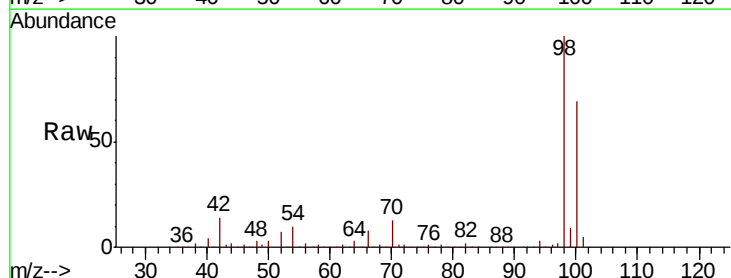


Time--> 7.82 7.83 7.84 7.85 7.86

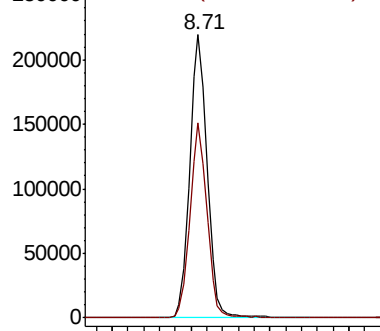


#50
Toluene-d8
Concen: 52.347 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012390.D
Acq: 13 Sep 2019 16:50

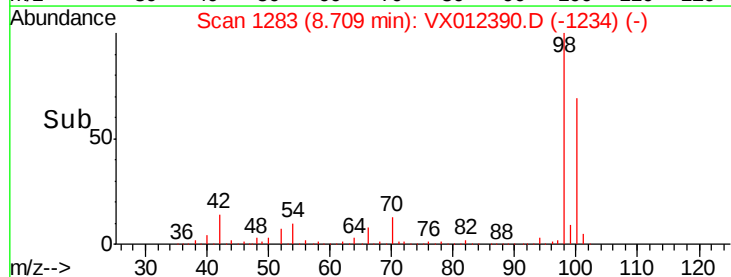
Tgt Ion: 98 Resp: 340013
Ion Ratio Lower Upper
98 100
100 67.3 54.1 81.1

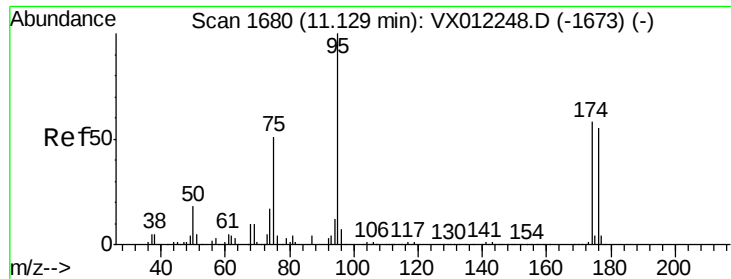


Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V



Time--> 8.60 8.70 8.80 8.90





#62

4-Bromofluorobenzene

Concen: 40.909 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX012390.D

Acq: 13 Sep 2019 16:50

Instrument :

MSVOA_X

ClientSampleId :

T5-3-(0)

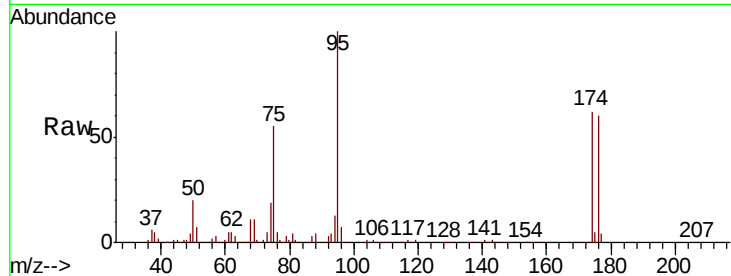
Tgt Ion: 95 Resp: 123190

Ion Ratio Lower Upper

95 100

174 68.7 0.0 127.0

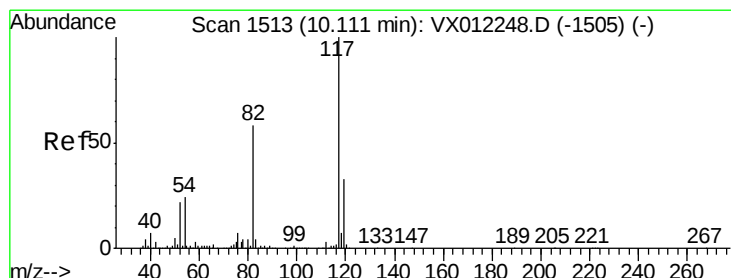
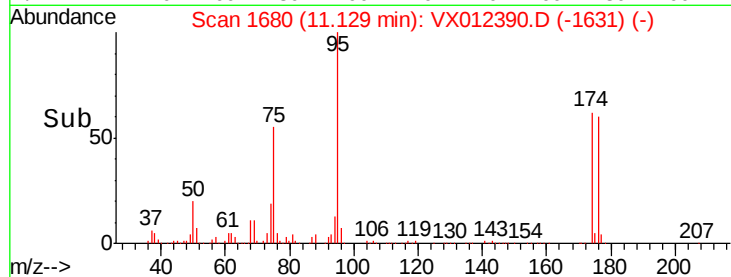
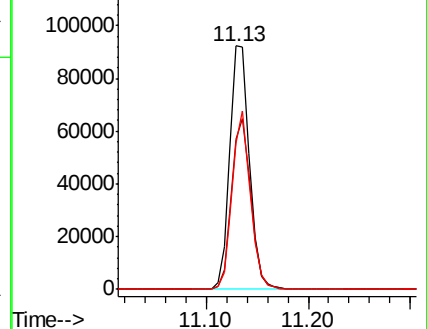
176 67.2 0.0 125.8



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: VX012390.D

Acq: 13 Sep 2019 16:50

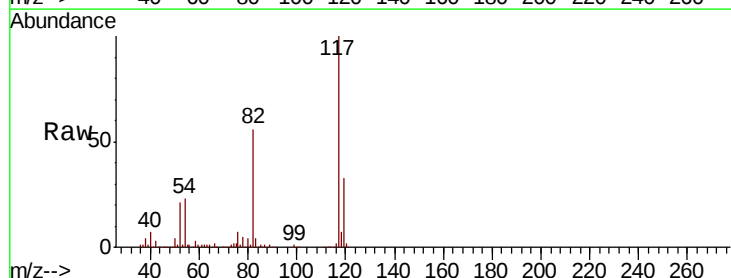
Tgt Ion: 117 Resp: 249366

Ion Ratio Lower Upper

117 100

82 56.1 46.4 69.6

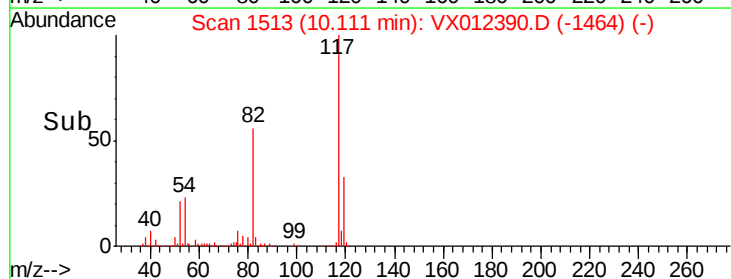
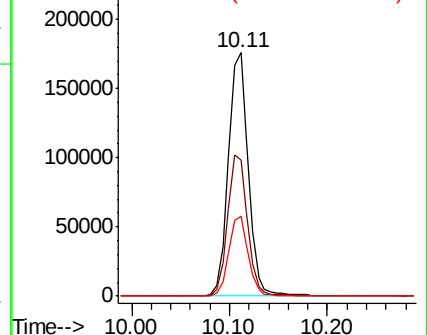
119 32.6 26.6 39.8

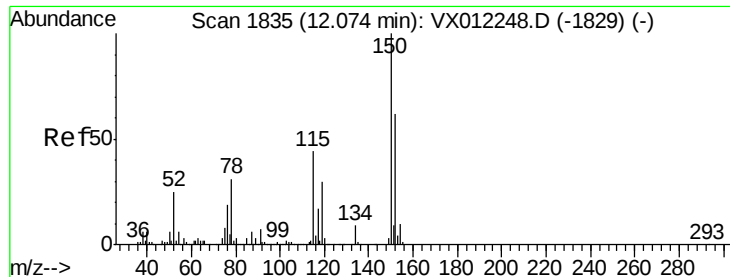


Abundance Ion 116.90 (116.60 to 117.60): VX012248.D (-1505) (-)

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: VX012390.D

Acq: 13 Sep 2019 16:50

Instrument :

MSVOA_X

ClientSampleId :

T5-3-(0)

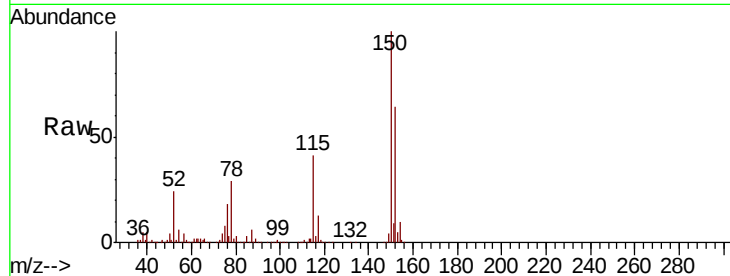
Tgt Ion:152 Resp: 103392

Ion Ratio Lower Upper

152 100

115 63.9 45.5 136.4

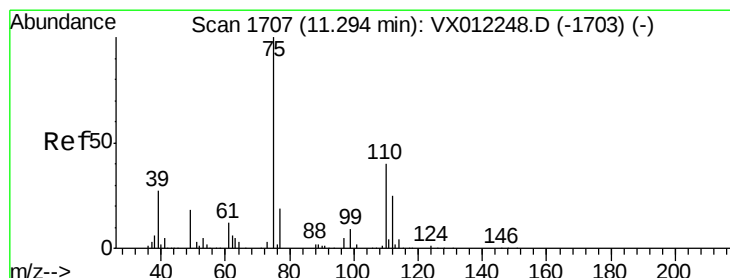
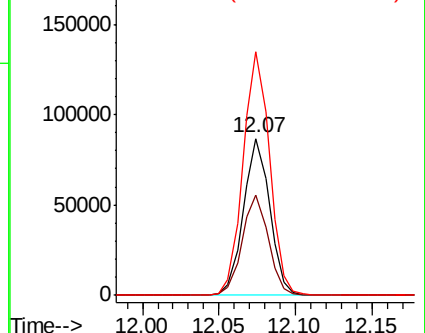
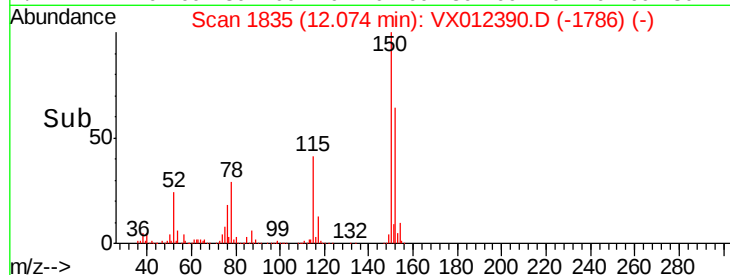
150 157.1 0.0 346.4



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: 48.857 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012390.D

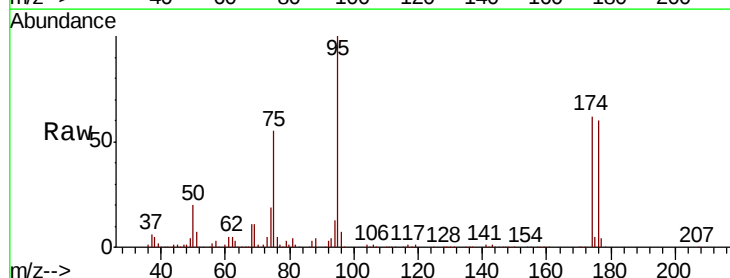
Acq: 13 Sep 2019 16:50

Tgt Ion: 75 Resp: 64893

Ion Ratio Lower Upper

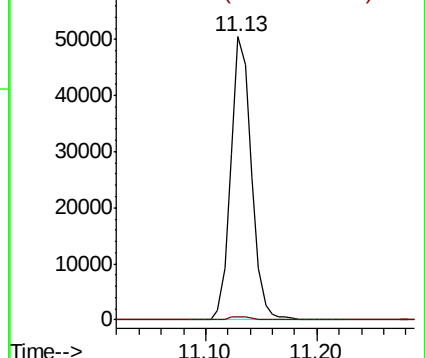
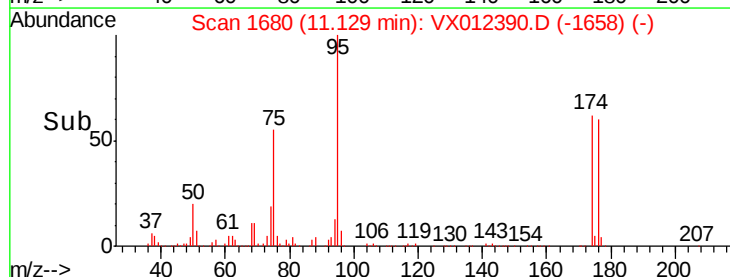
75 100

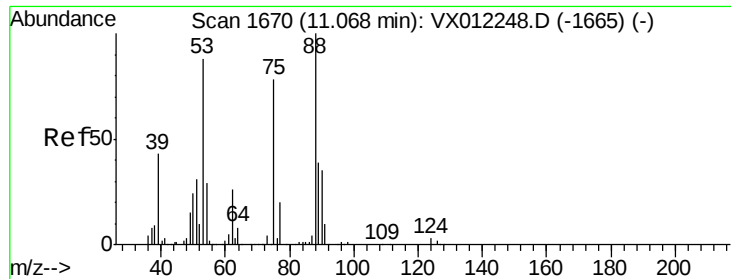
77 1.2 19.7 59.0#



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: 146.387 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX012390.D
 Acq: 13 Sep 2019 16:50

Instrument :
 MSVOA_X
 ClientSampleId :
 T5-3-(0)

Tgt Ion: 75 Resp: 64893
 Ion Ratio Lower Upper
 75 100
 53 0.1 88.1 132.1#
 89 0.0 43.5 65.3#

