

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091119\
 Data File : VX012309.D
 Acq On : 11 Sep 2019 18:26
 Operator : SY/SP
 Sample : K4643-18
 Misc : 4.03g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T11-C4-(4)

Quant Time: Sep 12 05:40:59 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	172718	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	288340	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	249372	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	100551	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	114087	46.72	ug/l	0.00
Spiked Amount			Recovery	=	93.44%	
35) Dibromofluoromethane	5.48	113	88681	47.98	ug/l	0.00
Spiked Amount			Recovery	=	95.96%	
50) Toluene-d8	8.71	98	344552	53.15	ug/l	0.00
Spiked Amount			Recovery	=	106.30%	
62) 4-Bromofluorobenzene	11.13	95	125854	41.87	ug/l	0.00
Spiked Amount			Recovery	=	83.74%	

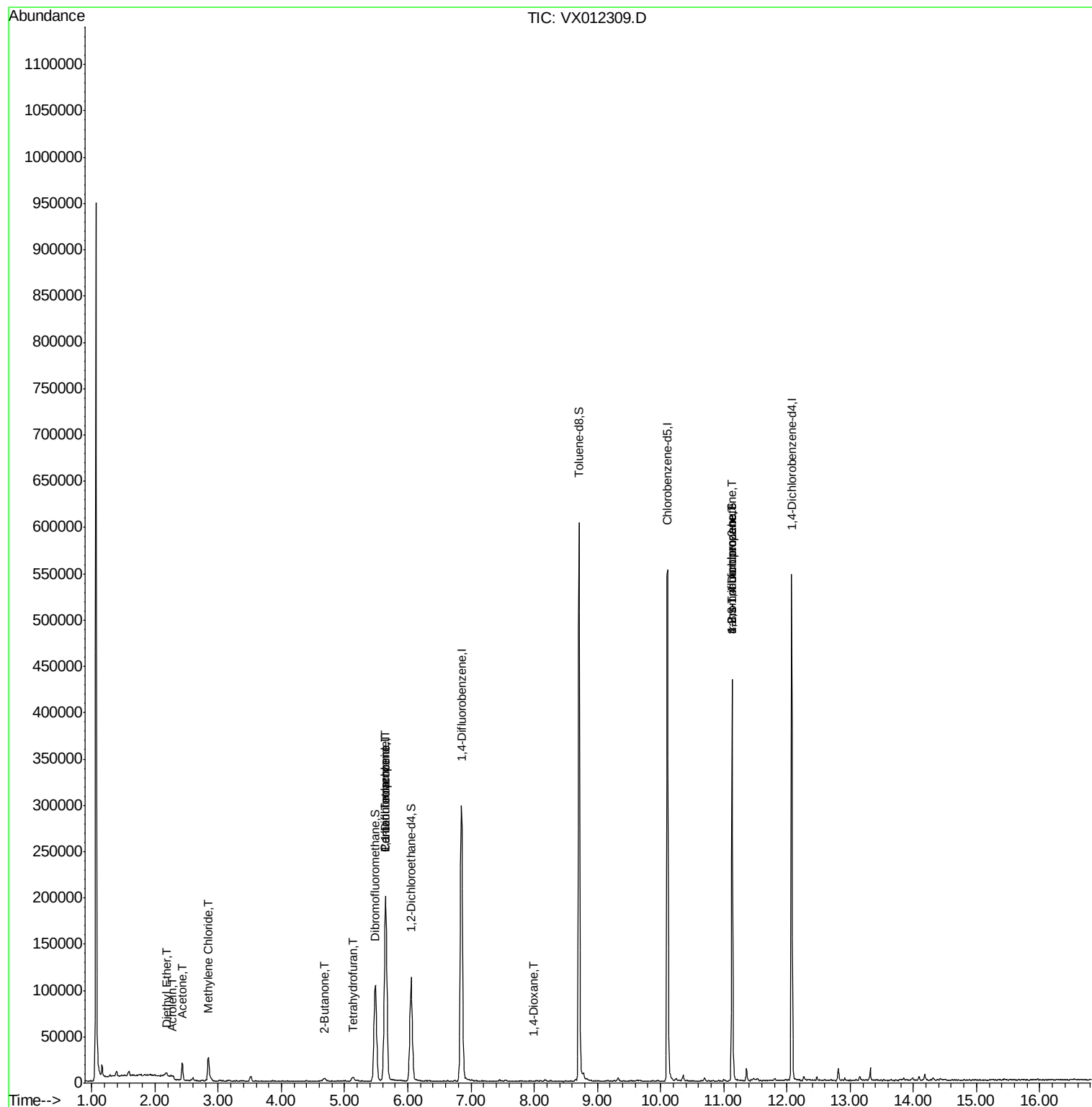
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	440	Below Cal	#	55
8) Diethyl Ether	2.18	74	1265	1.623	ug/l	87
11) Tert butyl alcohol	3.03	59	1051	Below Cal		99
13) Acrolein	2.28	56	147	1.152	ug/l #	1
16) Acetone	2.43	43	19753	34.171	ug/l	96
20) Methylene Chloride	2.84	84	11695	4.064	ug/l	87
25) 2-Butanone	4.68	43	3165	4.283	ug/l	100
29) Tetrahydrofuran	5.13	42	5033	12.623	ug/l #	91
36) 1,1-Dichloropropene	5.65	75	15527	7.385	ug/l #	53
38) Carbon Tetrachloride	5.65	117	20128	8.160	ug/l #	15
49) 1,4-Dioxane	8.00	88	24	1.356	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	66234	51.276	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	66234	153.633	ug/l #	5

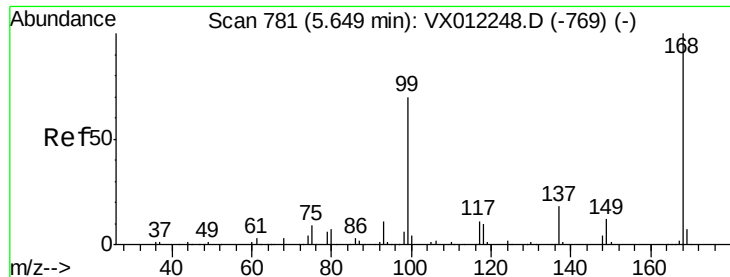
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX091119\
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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: VX012309.D

Acq: 11 Sep 2019 18:26

Instrument :

MSVOA_X

ClientSampleId :

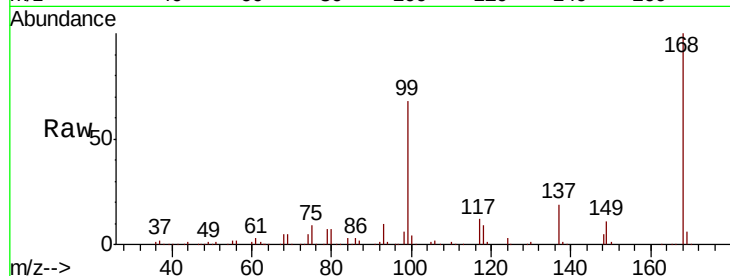
T11-C4-(4)

Tgt Ion:168 Resp: 172718

Ion Ratio Lower Upper

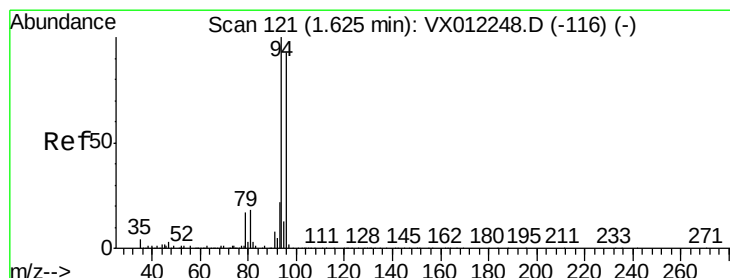
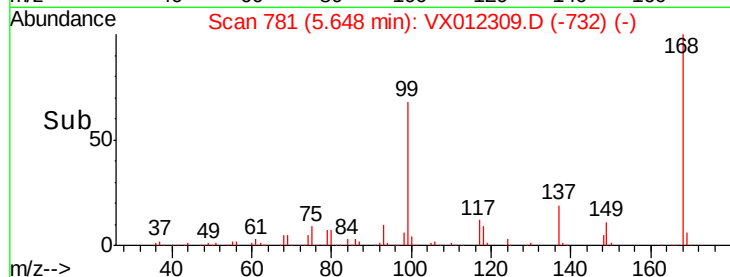
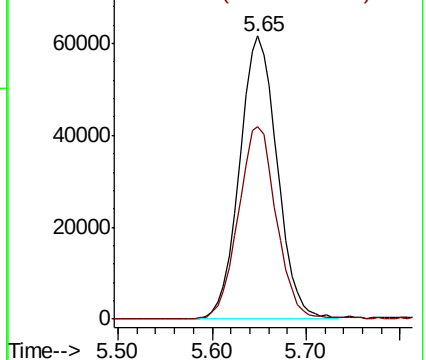
168 100

99 67.7 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: 1.65 min Scan# 125

Delta R.T. 0.03 min

Lab File: VX012309.D

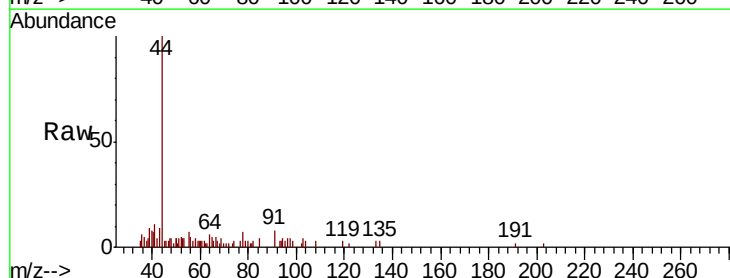
Acq: 11 Sep 2019 18:26

Tgt Ion: 94 Resp: 440

Ion Ratio Lower Upper

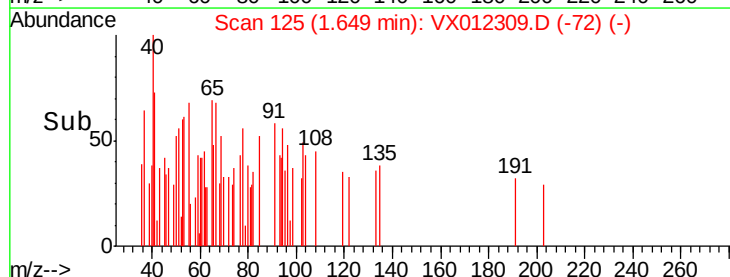
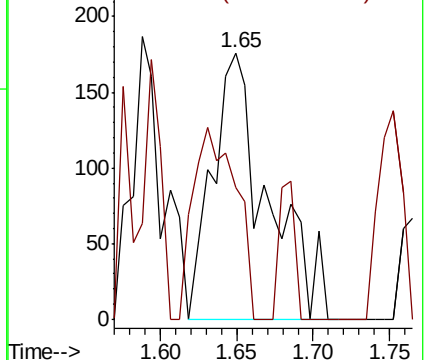
94 100

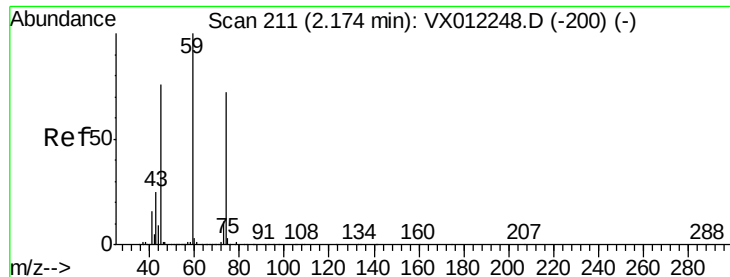
96 49.4 74.0 111.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#8

Diethyl Ether

Concen: 1.623 ug/l

RT: 2.18 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX012309.D

Acq: 11 Sep 2019 18:26

Instrument :

MSVOA_X

ClientSampleId :

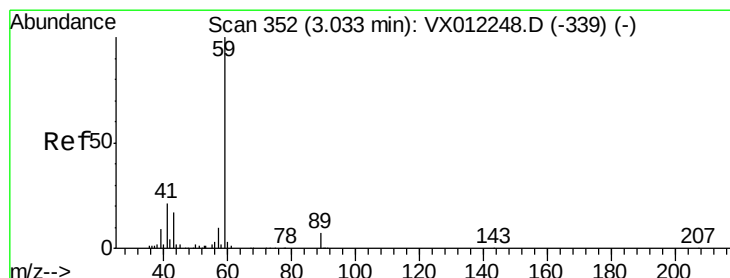
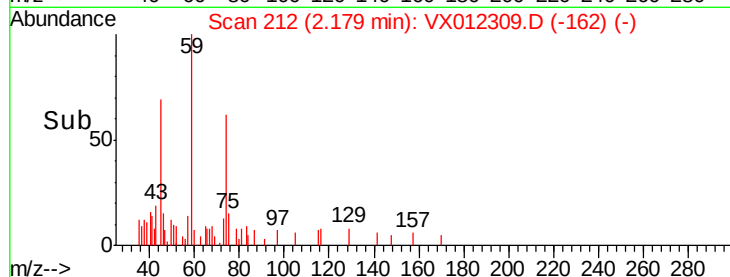
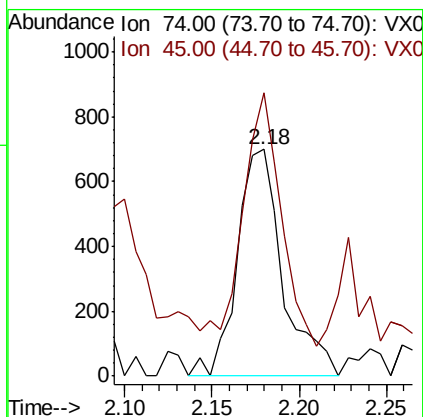
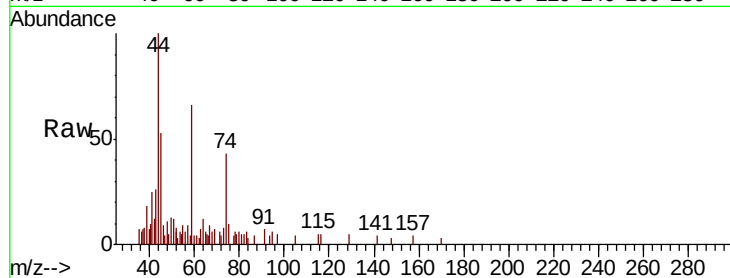
T11-C4-(4)

Tgt Ion: 74 Resp: 1265

Ion Ratio Lower Upper

74 100

45 89.7 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: VX012309.D

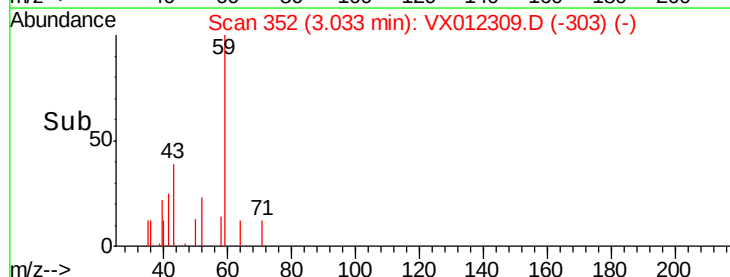
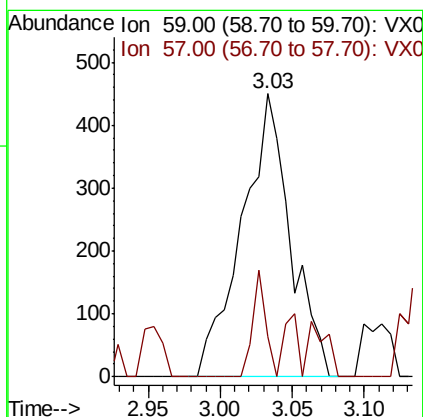
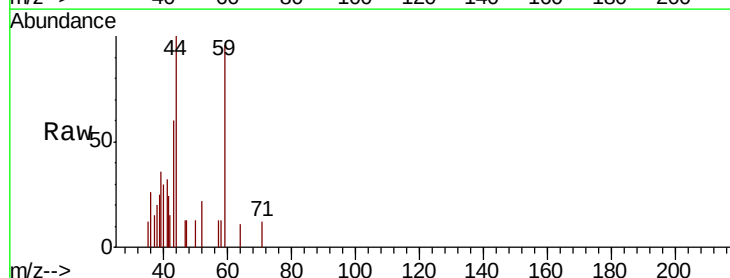
Acq: 11 Sep 2019 18:26

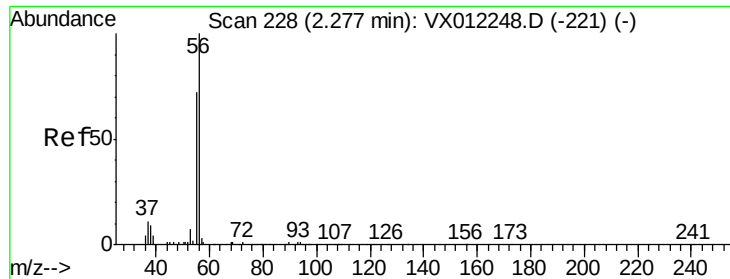
Tgt Ion: 59 Resp: 1051

Ion Ratio Lower Upper

59 100

57 9.9 7.8 11.6





#13

Acrolein

Concen: 1.152 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.01 min

Lab File: VX012309.D

Acq: 11 Sep 2019 18:26

Instrument :

MSVOA_X

ClientSampleId :

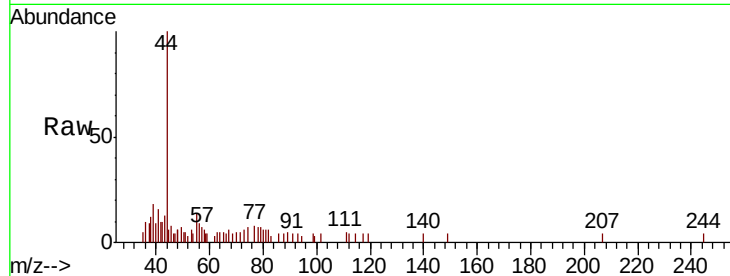
T11-C4-(4)

Tgt Ion: 56 Resp: 147

Ion Ratio Lower Upper

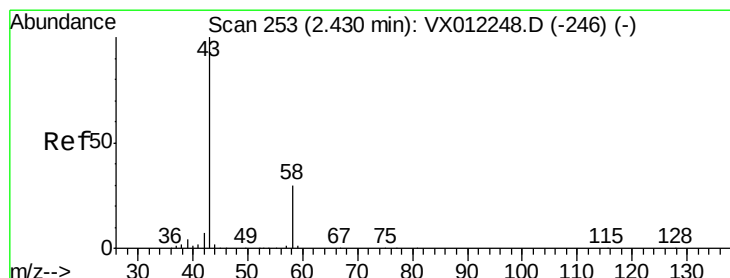
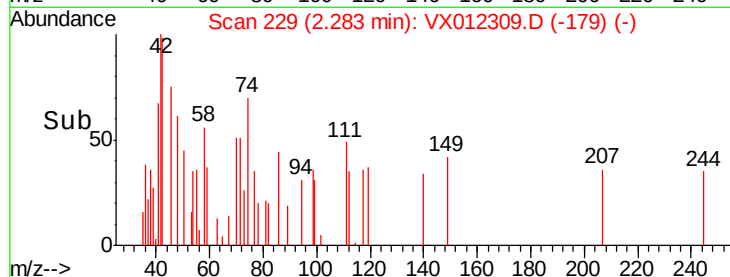
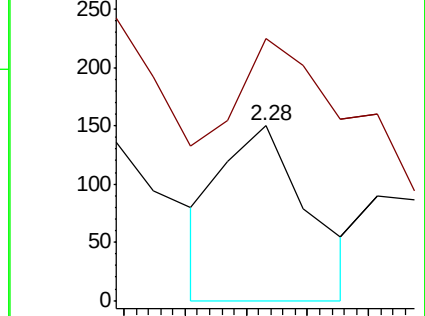
56 100

55 181.0 59.8 89.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 34.171 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012309.D

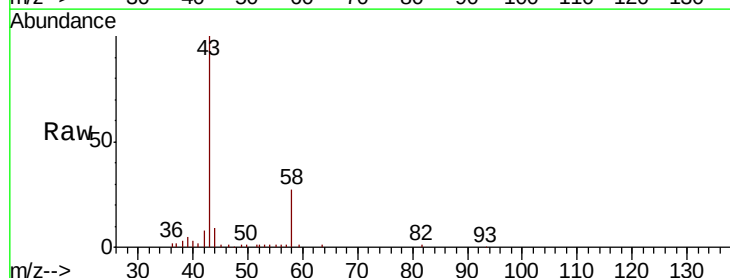
Acq: 11 Sep 2019 18:26

Tgt Ion: 43 Resp: 19753

Ion Ratio Lower Upper

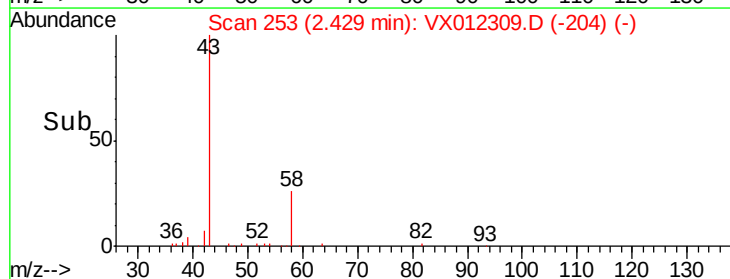
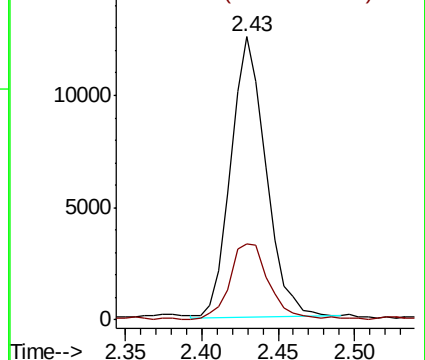
43 100

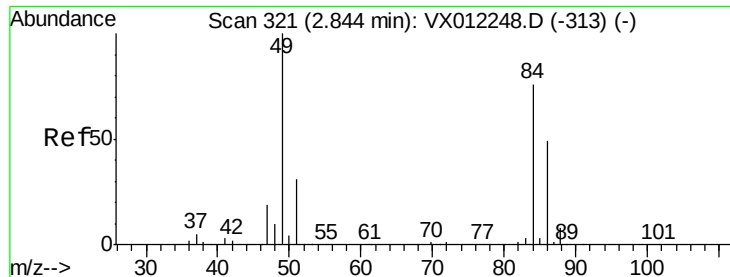
58 27.1 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

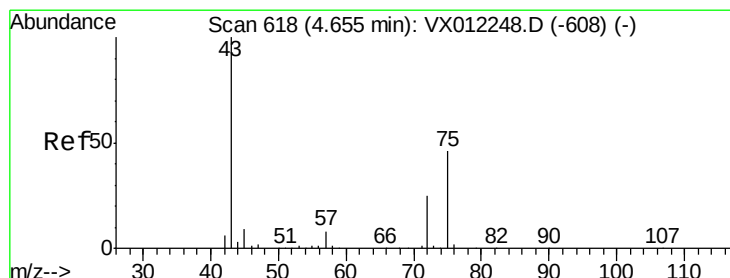
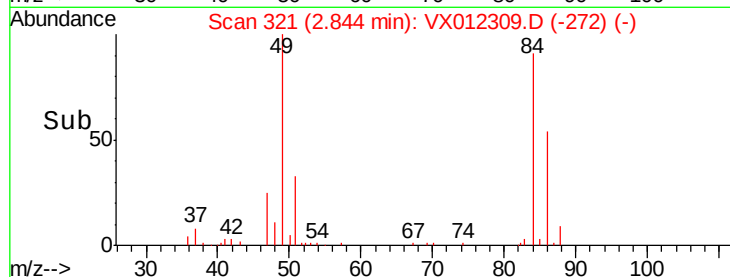
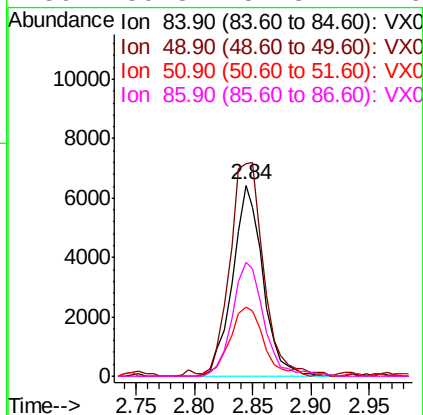
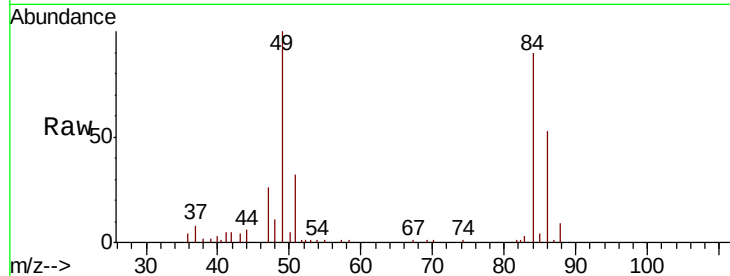




#20
Methylene Chloride
Concen: 4.064 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012309.D
Acq: 11 Sep 2019 18:26

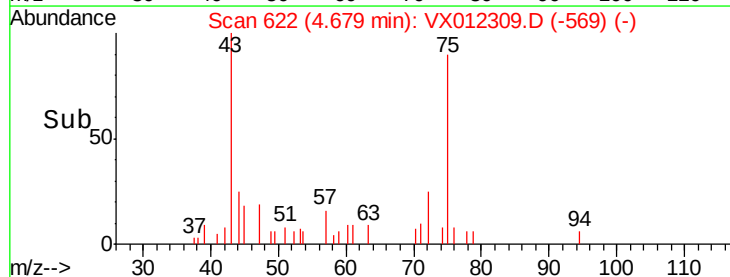
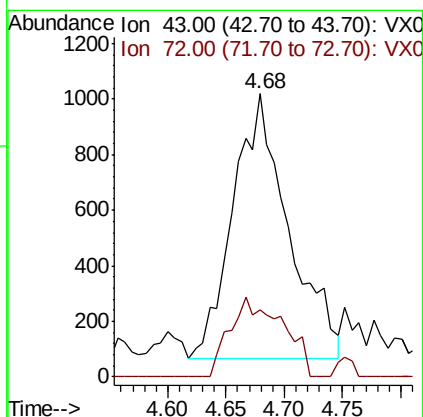
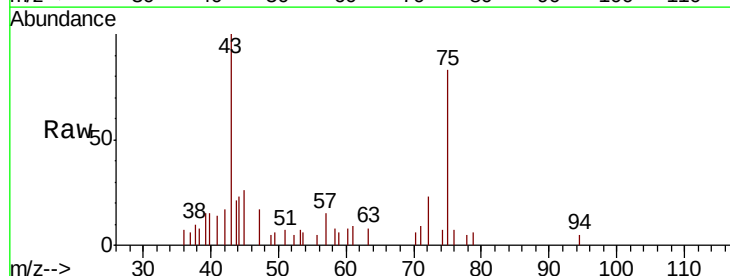
Instrument :
MSVOA_X
ClientSampled :
T11-C4-(4)

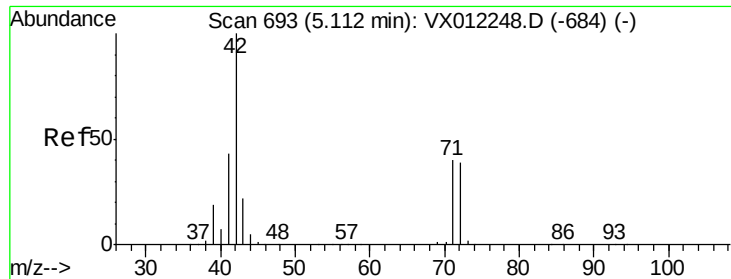
Tgt Ion:	84	Resp:	11695
Ion	Ratio	Lower	Upper
84	100		
49	110.0	105.0	157.6
51	35.9	32.6	48.8
86	59.3	51.8	77.6



#25
2-Butanone
Concen: 4.283 ug/l
RT: 4.68 min Scan# 622
Delta R.T. 0.02 min
Lab File: VX012309.D
Acq: 11 Sep 2019 18:26

Tgt Ion:	43	Resp:	3165
Ion	Ratio	Lower	Upper
43	100		
72	25.1	20.2	30.2

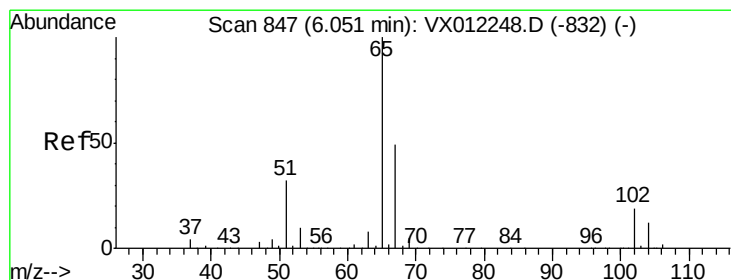
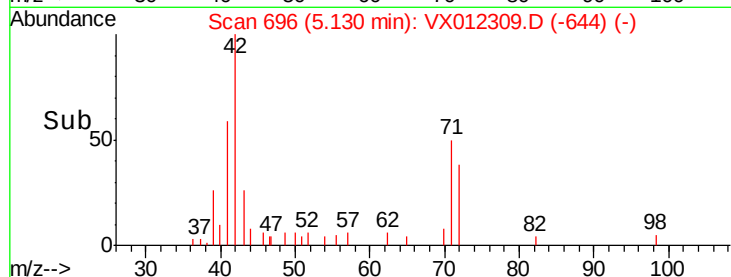
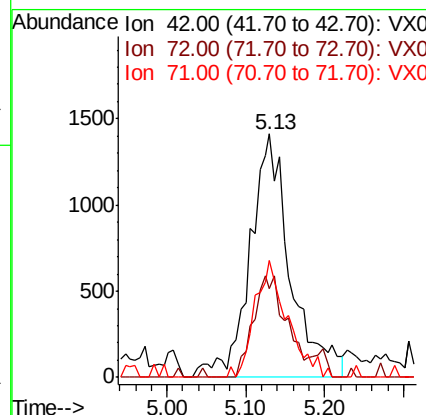
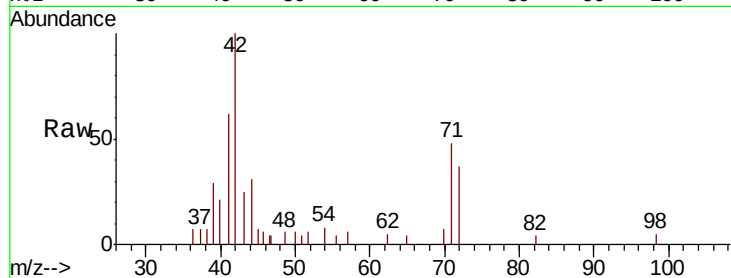




#29
Tetrahydrofuran
Concen: 12.623 ug/l
RT: 5.13 min Scan# 696
Delta R.T. 0.02 min
Lab File: VX012309.D
Acq: 11 Sep 2019 18:26

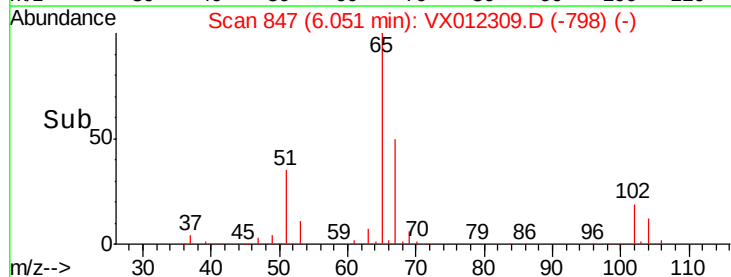
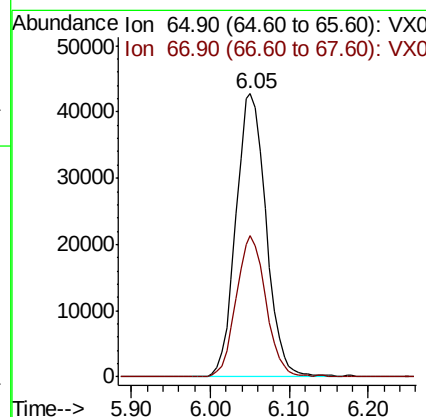
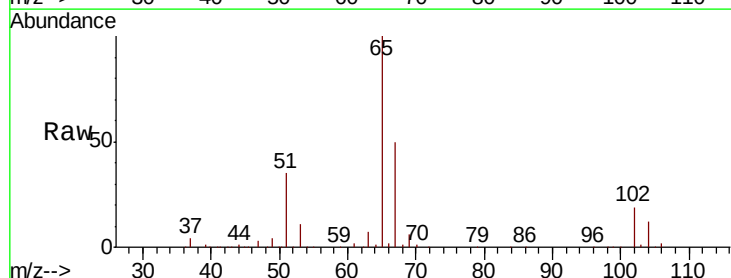
Instrument :
MSVOA_X
ClientSampleId :
T11-C4-(4)

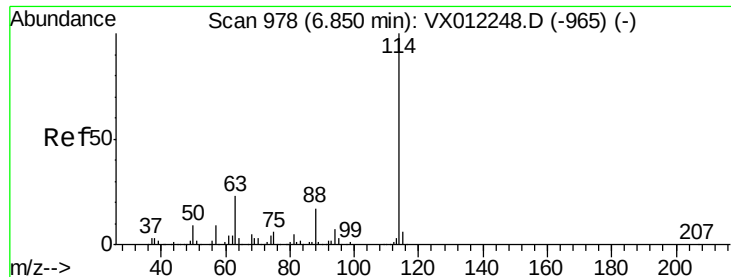
Tgt Ion: 42 Resp: 5033
Ion Ratio Lower Upper
42 100
72 34.7 35.2 52.8#
71 38.9 32.5 48.7



#33
1,2-Dichloroethane-d4
Concen: 46.721 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX012309.D
Acq: 11 Sep 2019 18:26

Tgt Ion: 65 Resp: 114087
Ion Ratio Lower Upper
65 100
67 48.9 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: VX012309.D

Acq: 11 Sep 2019 18:26

Instrument :

MSVOA_X

ClientSampleId :

T11-C4-(4)

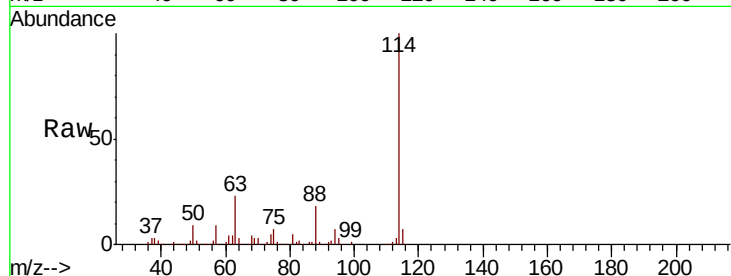
Tgt Ion:114 Resp: 288340

Ion Ratio Lower Upper

114 100

63 23.0 0.0 45.2

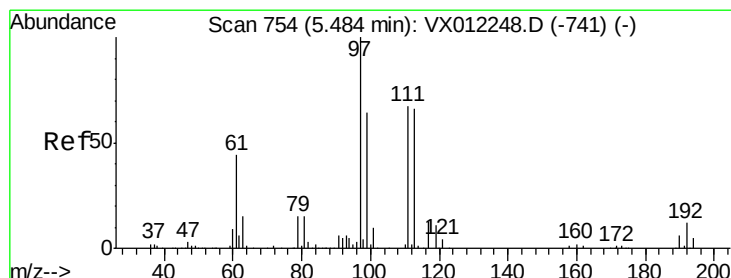
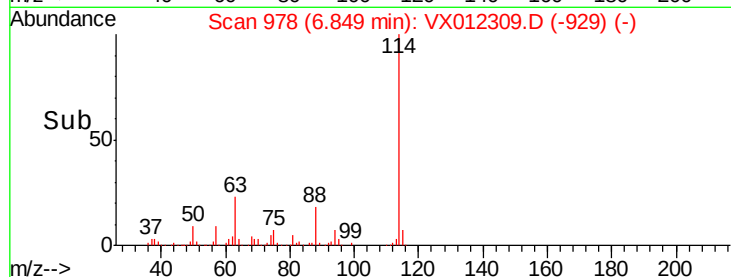
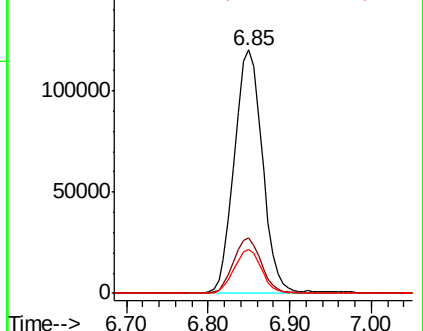
88 17.9 0.0 34.8



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: 47.977 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012309.D

Acq: 11 Sep 2019 18:26

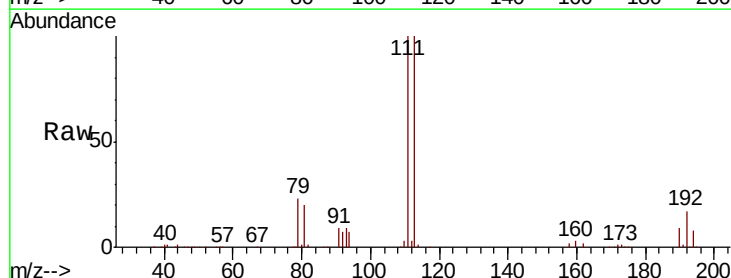
Tgt Ion:113 Resp: 88681

Ion Ratio Lower Upper

113 100

111 102.5 83.0 124.6

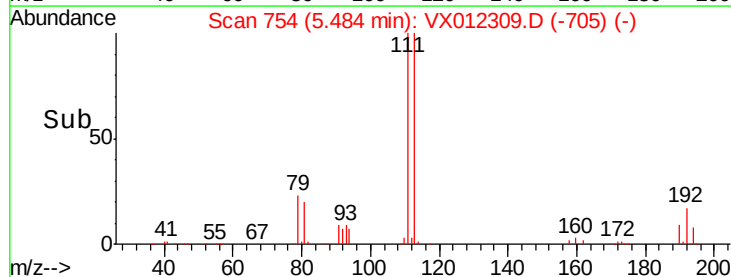
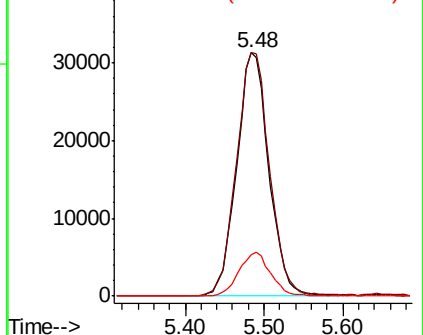
192 17.8 14.3 21.5

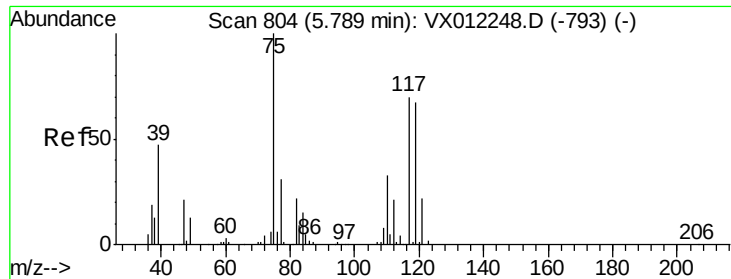


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

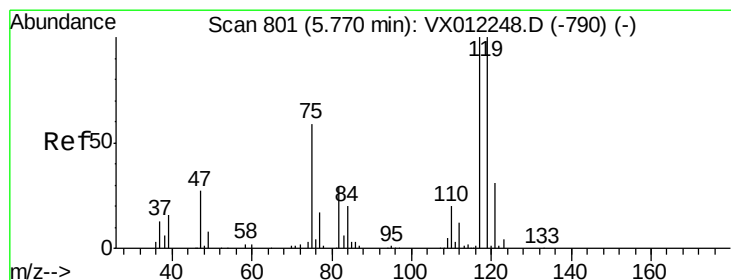
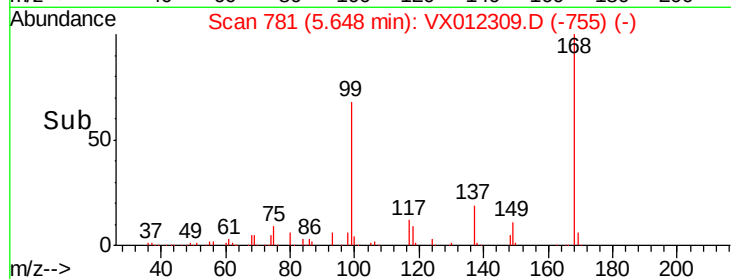
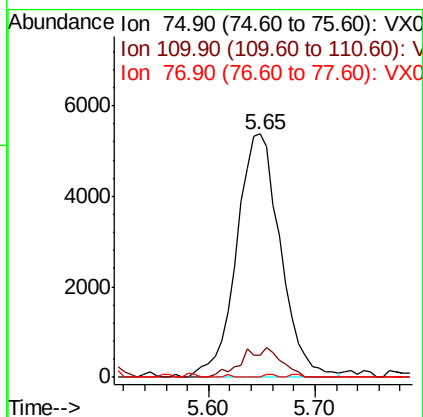
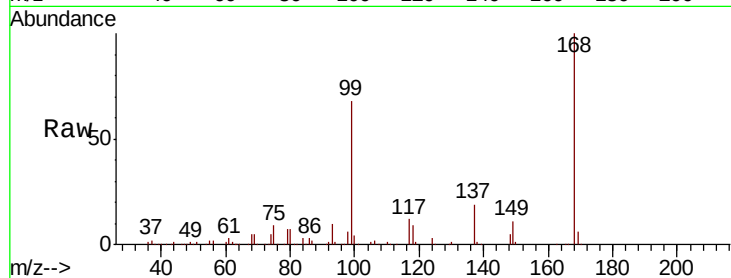




#36
 1,1-Dichloropropene
 Concen: 7.385 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012309.D
 Acq: 11 Sep 2019 18:26

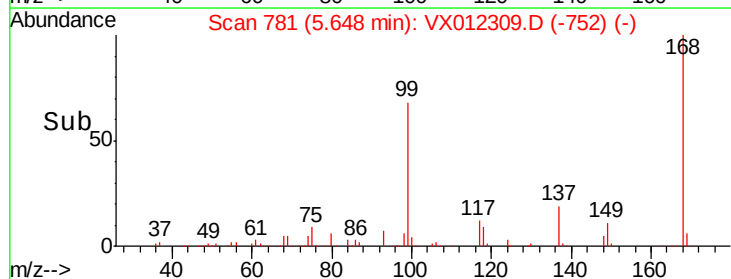
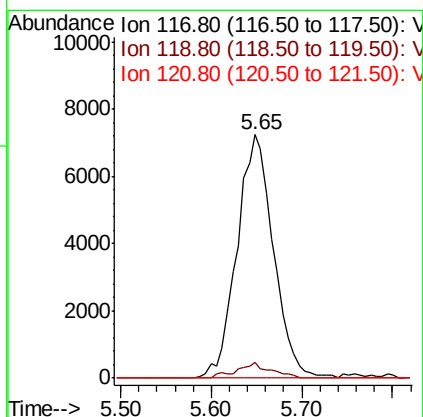
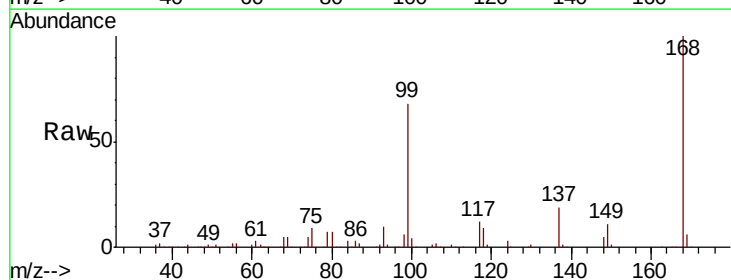
Instrument :
 MSVOA_X
 ClientSampled :
 T11-C4-(4)

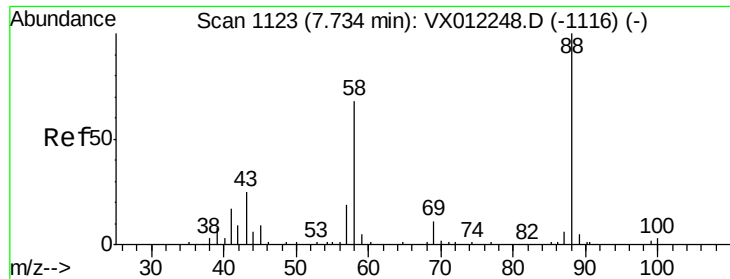
Tgt Ion: 75 Resp: 15527
 Ion Ratio Lower Upper
 75 100
 110 11.0 16.8 50.4#
 77 0.3 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 8.160 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.12 min
 Lab File: VX012309.D
 Acq: 11 Sep 2019 18:26

Tgt Ion: 117 Resp: 20128
 Ion Ratio Lower Upper
 117 100
 119 6.2 79.6 119.4#
 121 0.0 24.7 37.1#





#49

1,4-Dioxane

Concen: 1.356 ug/l

RT: 8.00 min Scan# 1166

Delta R.T. 0.26 min

Lab File: VX012309.D

Acq: 11 Sep 2019 18:26

Instrument :

MSVOA_X

ClientSampleId :

T11-C4-(4)

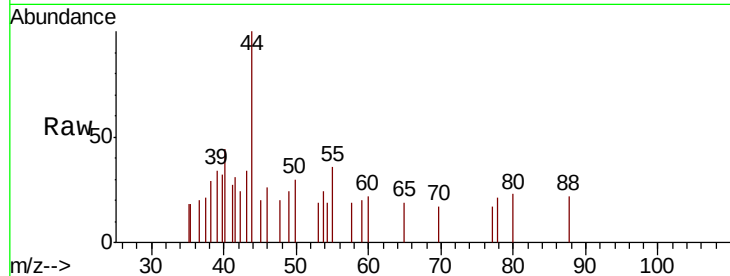
Tgt Ion: 88 Resp: 24

Ion Ratio Lower Upper

88 100

43 0.0 31.0 46.4#

58 504.2 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

200

150

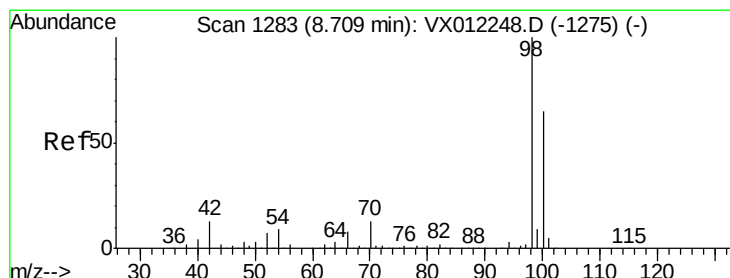
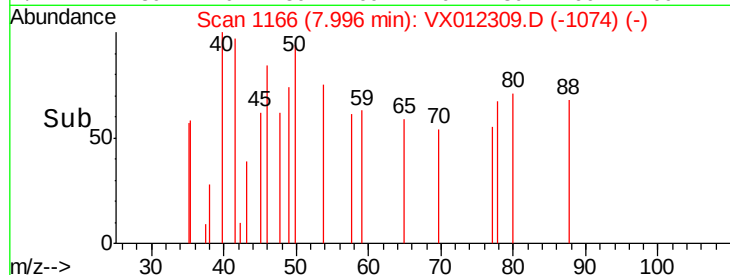
100

50

0

7.98 7.99 8.00

Time-->



#50

Toluene-d8

Concen: 53.147 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX012309.D

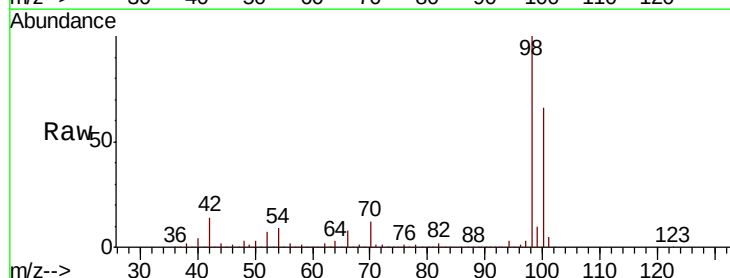
Acq: 11 Sep 2019 18:26

Tgt Ion: 98 Resp: 344552

Ion Ratio Lower Upper

98 100

100 66.5 54.1 81.1



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

250000

200000

150000

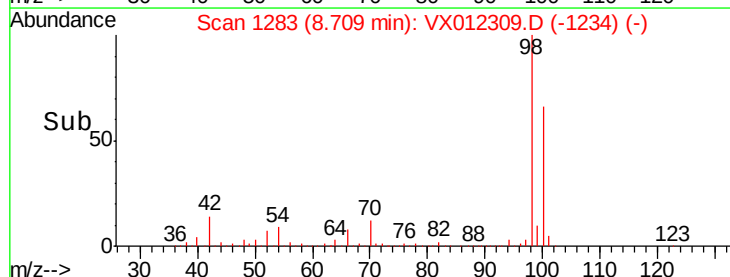
100000

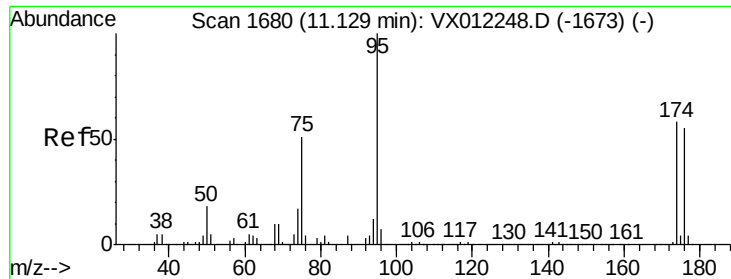
50000

0

8.60 8.70 8.80 8.90 9.00

Time-->





#62

4-Bromofluorobenzene

Concen: 41.875 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX012309.D

Acq: 11 Sep 2019 18:26

Instrument :

MSVOA_X

ClientSampleId :

T11-C4-(4)

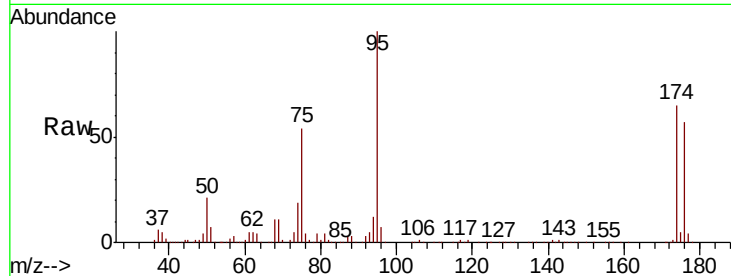
Tgt Ion: 95 Resp: 125854

Ion Ratio Lower Upper

95 100

174 68.2 0.0 127.0

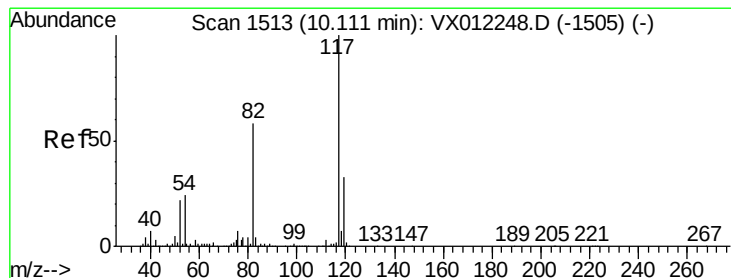
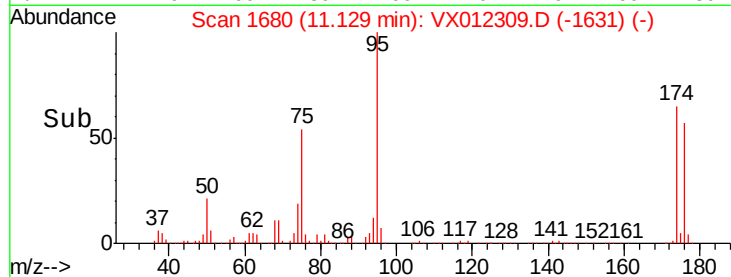
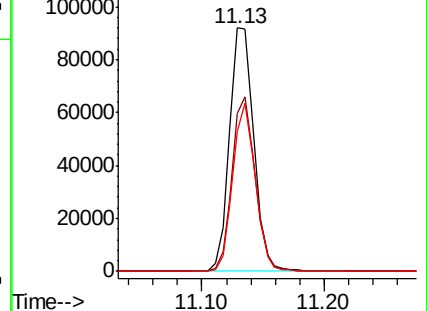
176 64.1 0.0 125.8



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: VX012309.D

Acq: 11 Sep 2019 18:26

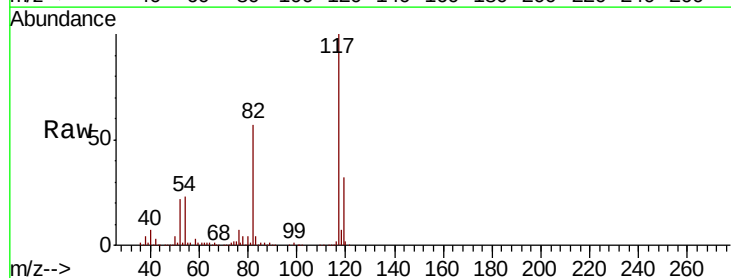
Tgt Ion: 117 Resp: 249372

Ion Ratio Lower Upper

117 100

82 57.2 46.4 69.6

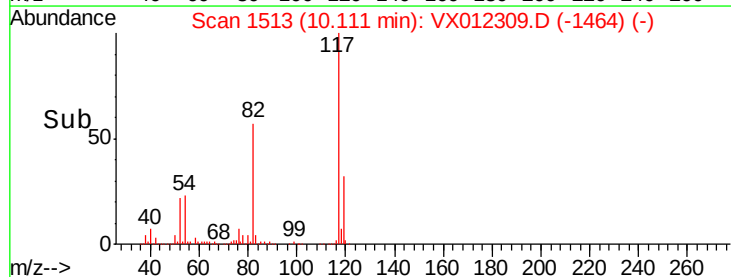
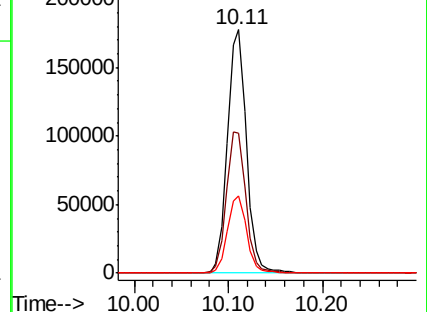
119 31.5 26.6 39.8

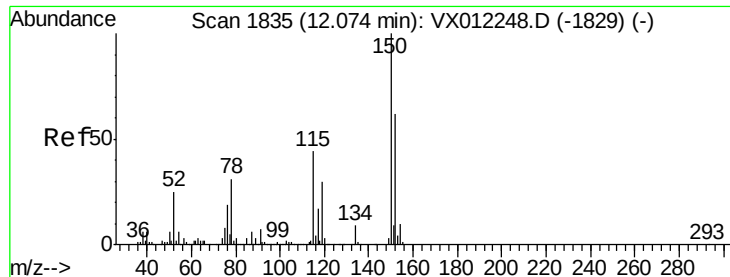


Abundance Ion 116.90 (116.60 to 117.60): VX012248.D (-1505) (-)

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: VX012309.D

Acq: 11 Sep 2019 18:26

Instrument :

MSVOA_X

ClientSampleId :

T11-C4-(4)

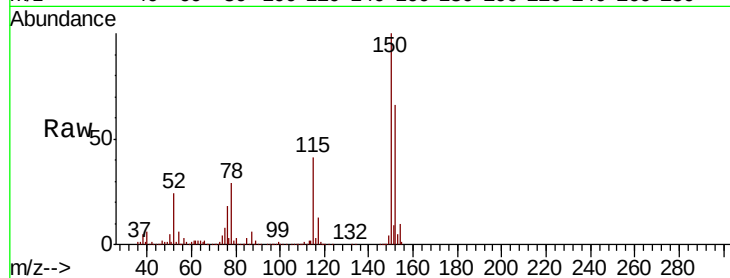
Tgt Ion:152 Resp: 100551

Ion Ratio Lower Upper

152 100

115 64.5 45.5 136.4

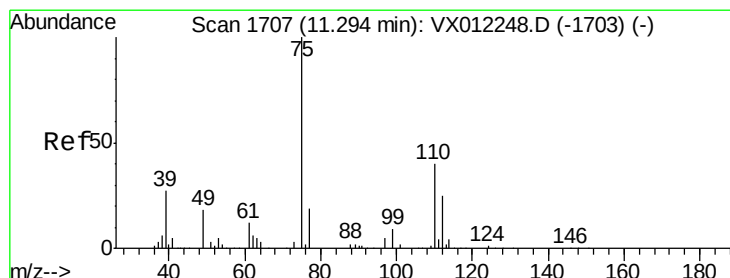
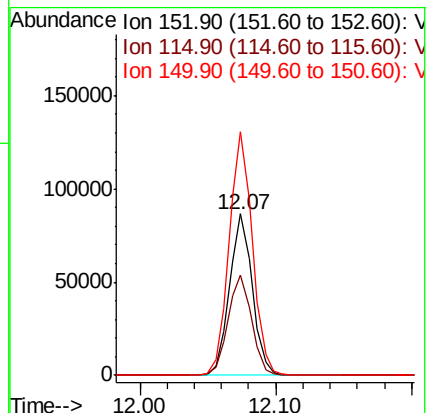
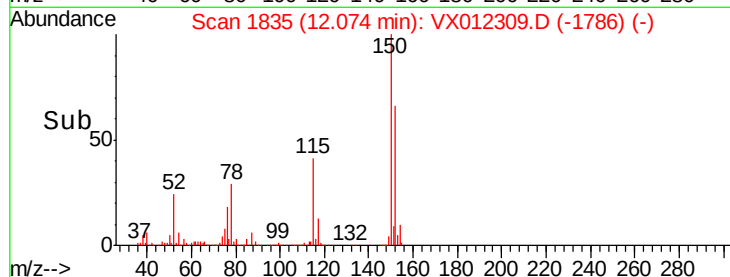
150 153.3 0.0 346.4



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: 51.276 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012309.D

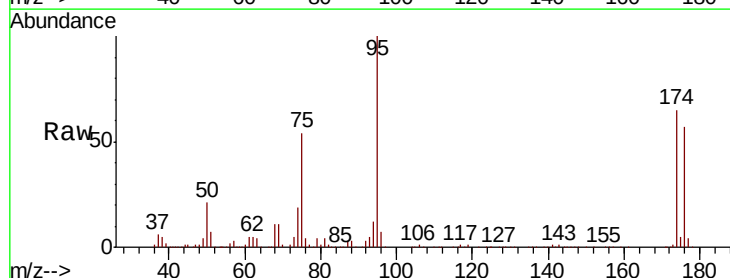
Acq: 11 Sep 2019 18:26

Tgt Ion: 75 Resp: 66234

Ion Ratio Lower Upper

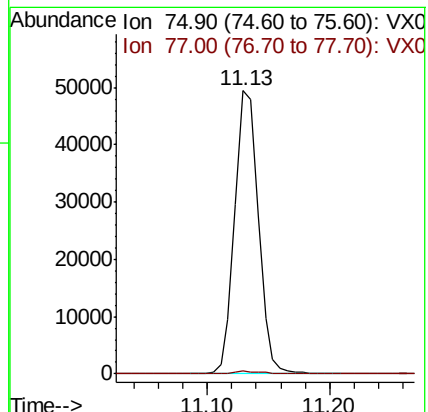
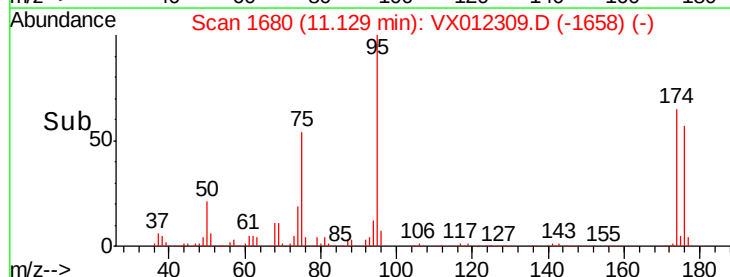
75 100

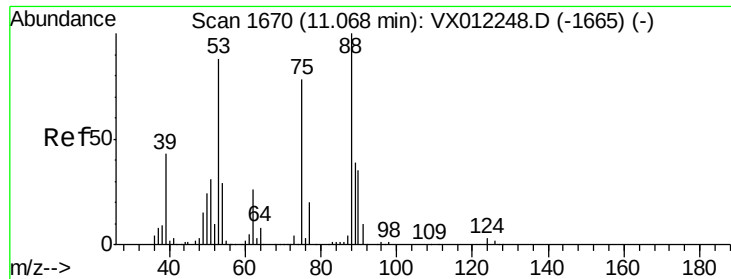
77 1.2 19.7 59.0#



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: 153.633 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012309.D

Acq: 11 Sep 2019 18:26

Instrument :

MSVOA_X

ClientSampleId :

T11-C4-(4)

Tgt Ion: 75 Resp: 66234

Ion Ratio Lower Upper

75 100

53 0.2 88.1 132.1#

89 0.0 43.5 65.3#

