

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091219\
 Data File : VX012346.D
 Acq On : 12 Sep 2019 14:33
 Operator : SY/SP
 Sample : K4694-14RE
 Misc : 2.70g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T2-2-(1.5)

Quant Time: Sep 13 01:58:15 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	161745	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	277936	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	204747	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	56818	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	110765	48.44	ug/l	0.00
Spiked Amount			Recovery	=	96.88%	
35) Dibromofluoromethane	5.48	113	82955	46.56	ug/l	0.00
Spiked Amount			Recovery	=	93.12%	
50) Toluene-d8	8.71	98	311254	49.81	ug/l	0.00
Spiked Amount			Recovery	=	99.62%	
62) 4-Bromofluorobenzene	11.14	95	87931	30.35	ug/l	0.00
Spiked Amount			Recovery	=	60.70%	

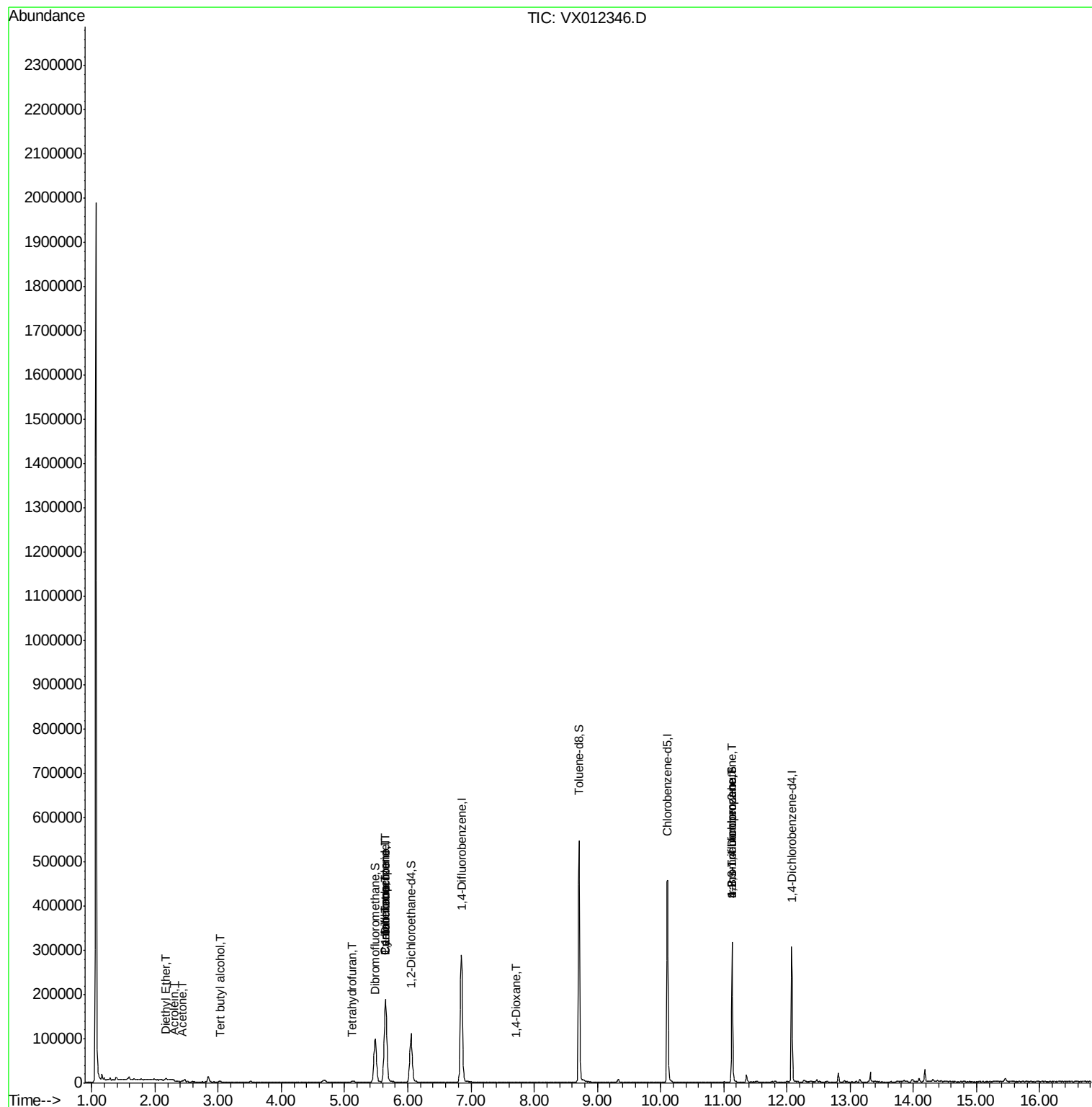
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	336	Below Cal	#	70
8) Diethyl Ether	2.18	74	905	1.240	ug/l	81
11) Tert butyl alcohol	3.02	59	2748	2.156	ug/l #	67
13) Acrolein	2.30	56	120	1.004	ug/l #	12
16) Acetone	2.43	43	1719	3.175	ug/l #	83
29) Tetrahydrofuran	5.12	42	2870	7.687	ug/l	98
31) Cyclohexane	5.65	56	4393	2.069	ug/l #	16
36) 1,1-Dichloropropene	5.64	75	15150	7.476	ug/l #	52
38) Carbon Tetrachloride	5.65	117	18684	7.858	ug/l #	13
49) 1,4-Dioxane	7.71	88	19	1.114	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	47846	65.550	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	47846	196.404	ug/l #	5

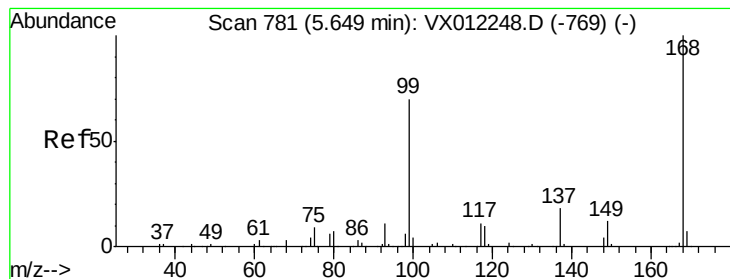
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX091219\
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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: VX012346.D

Acq: 12 Sep 2019 14:33

Instrument :

MSVOA_X

ClientSampleId :

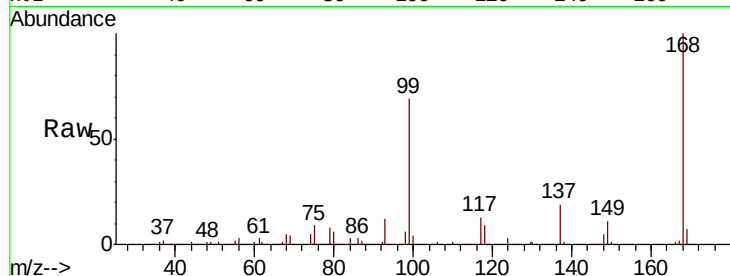
T2-2-(1.5)

Tgt Ion: 168 Resp: 161745

Ion Ratio Lower Upper

168 100

99 68.6 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

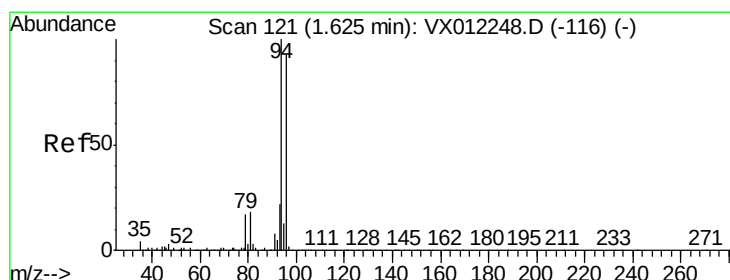
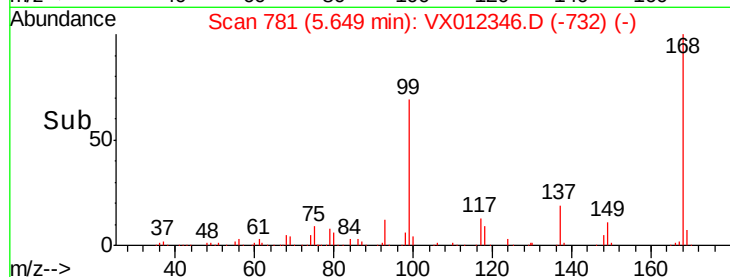
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX012346.D

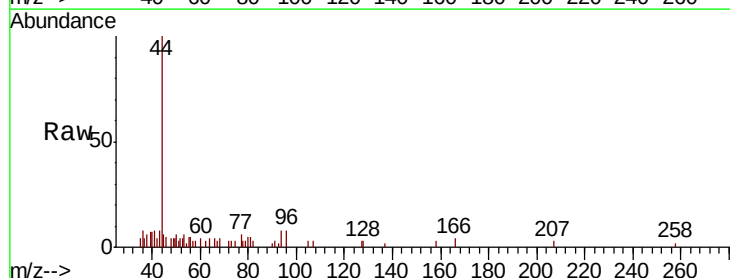
Acq: 12 Sep 2019 14:33

Tgt Ion: 94 Resp: 336

Ion Ratio Lower Upper

94 100

96 64.2 74.0 111.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

250

200

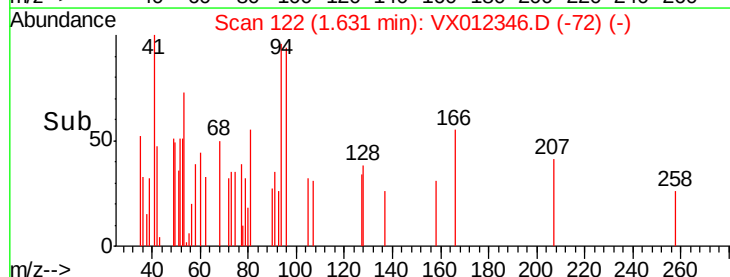
150

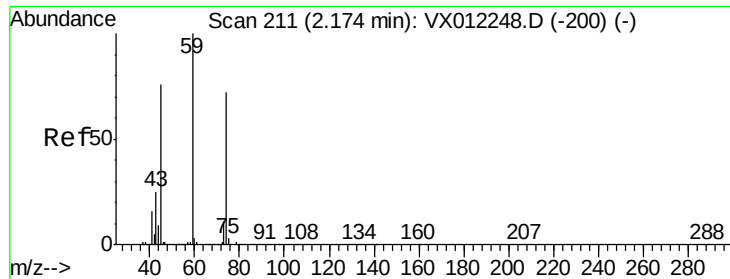
100

50

0

Time--> 1.60 1.65





#8

Diethyl Ether

Concen: 1.240 ug/l

RT: 2.18 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX012346.D

Acq: 12 Sep 2019 14:33

Instrument :

MSVOA_X

ClientSampleId :

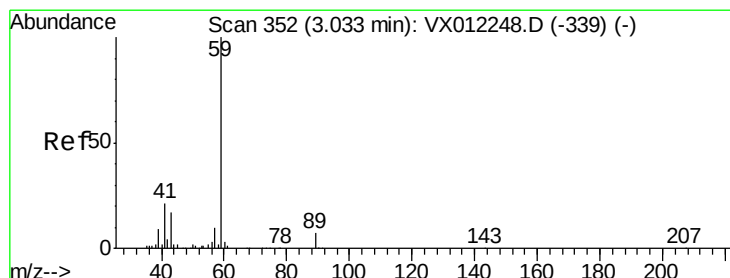
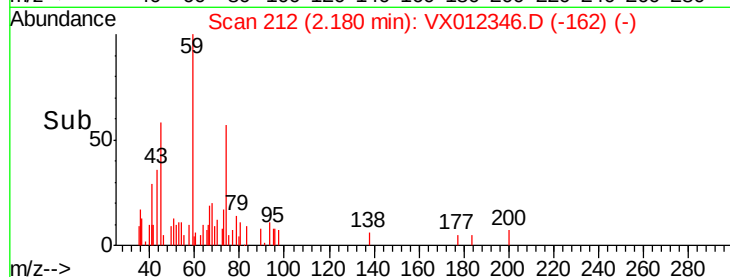
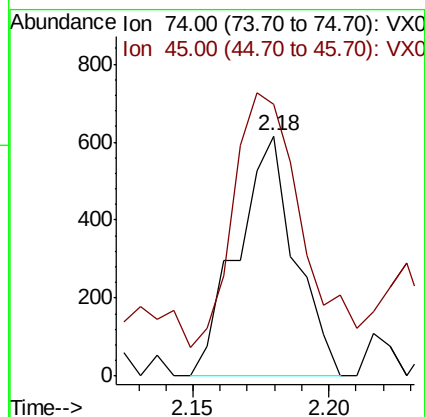
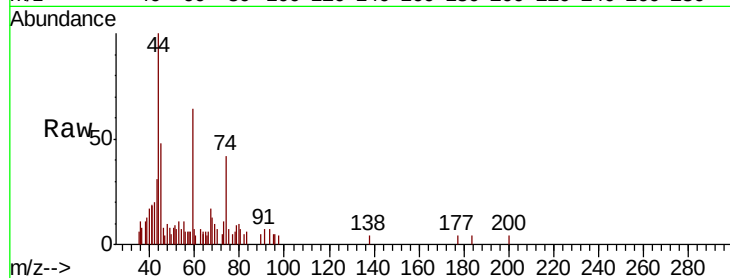
T2-2-(1.5)

Tgt Ion: 74 Resp: 905

Ion Ratio Lower Upper

74 100

45 122.3 51.3 153.9



#11

Tert butyl alcohol

Concen: 2.156 ug/l

RT: 3.02 min Scan# 350

Delta R.T. -0.01 min

Lab File: VX012346.D

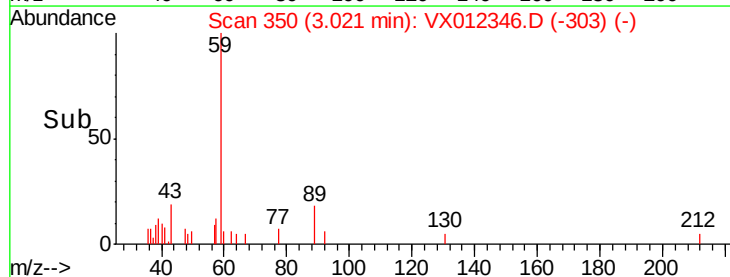
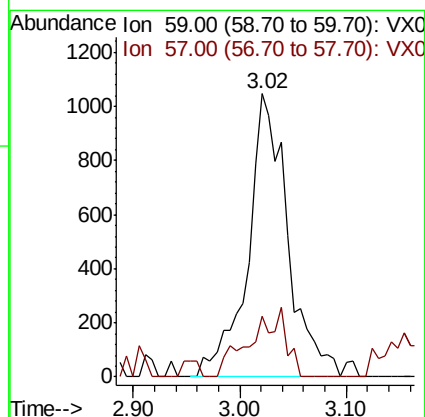
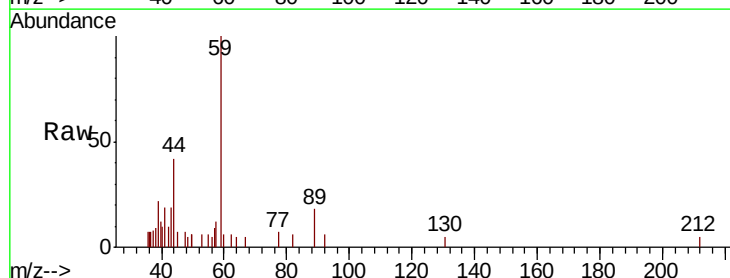
Acq: 12 Sep 2019 14:33

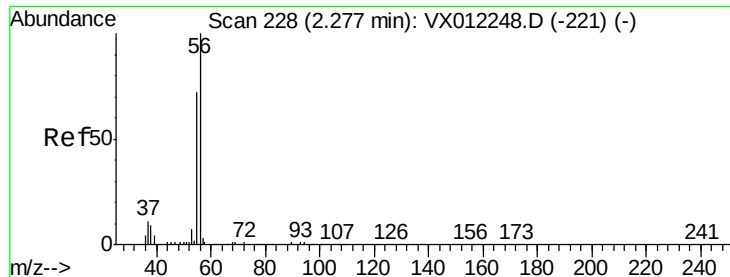
Tgt Ion: 59 Resp: 2748

Ion Ratio Lower Upper

59 100

57 21.9 7.8 11.6#

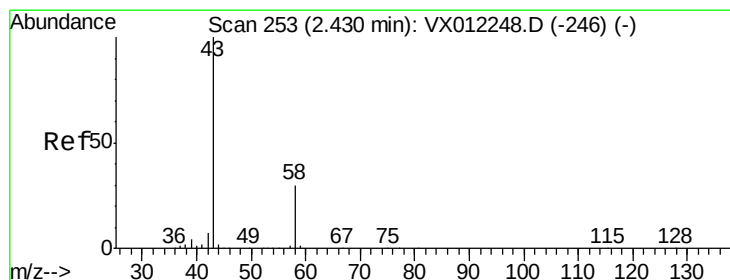
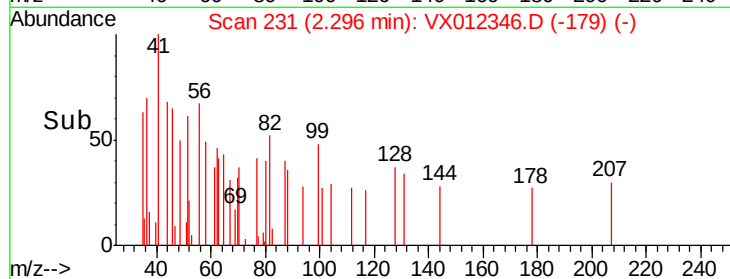
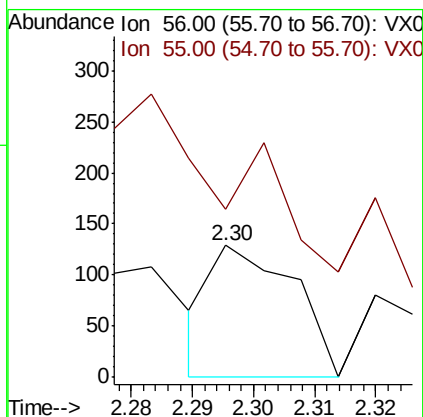
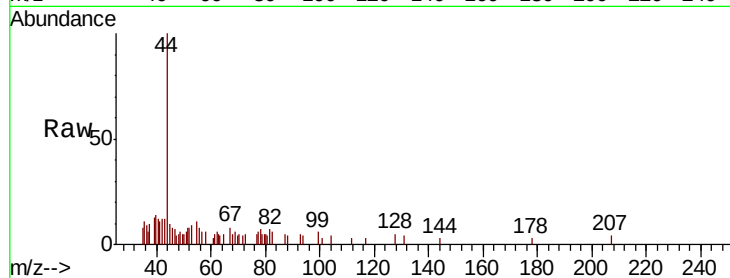




#13
Acrolein
Concen: 1.004 ug/l
RT: 2.30 min Scan# 231
Delta R.T. 0.02 min
Lab File: VX012346.D
Acq: 12 Sep 2019 14:33

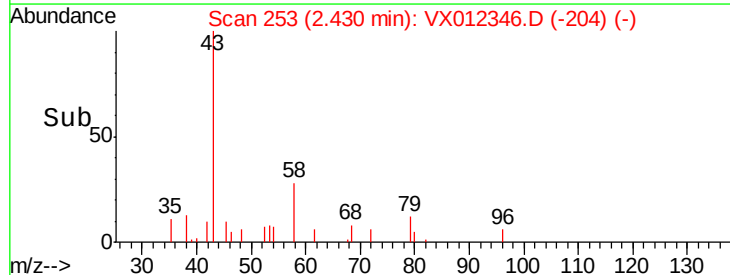
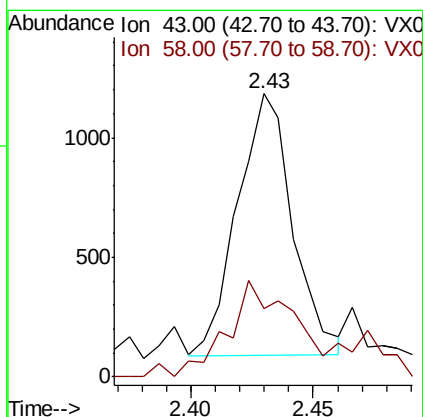
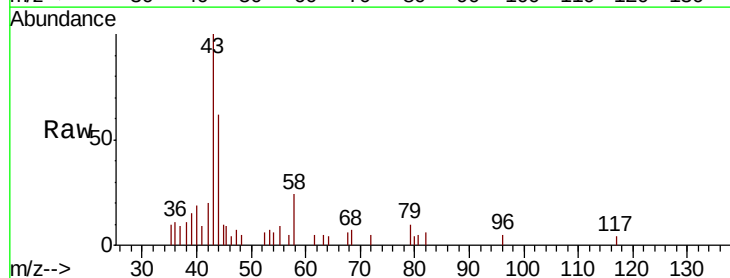
Instrument :
MSVOA_X
ClientSampled :
T2-2-(1.5)

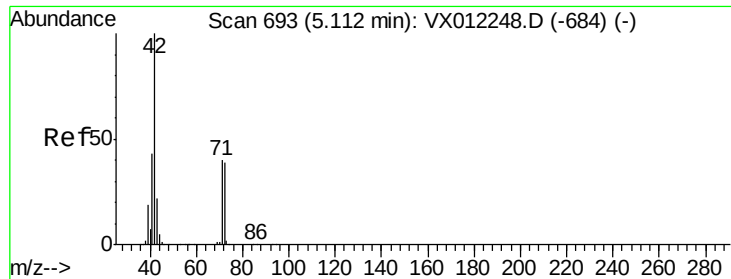
Tgt Ion: 56 Resp: 120
Ion Ratio Lower Upper
56 100
55 0.0 59.8 89.6#



#16
Acetone
Concen: 3.175 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX012346.D
Acq: 12 Sep 2019 14:33

Tgt Ion: 43 Resp: 1719
Ion Ratio Lower Upper
43 100
58 20.2 23.6 35.4#

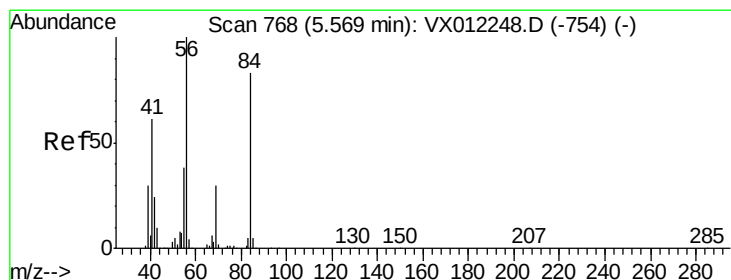
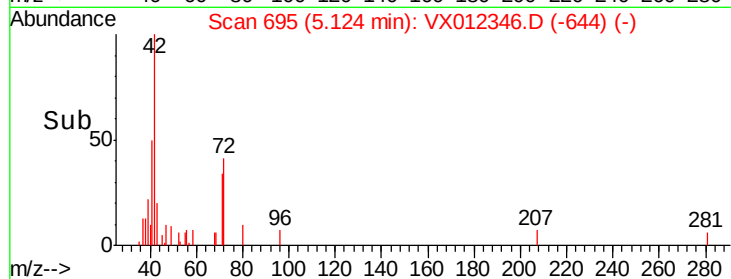
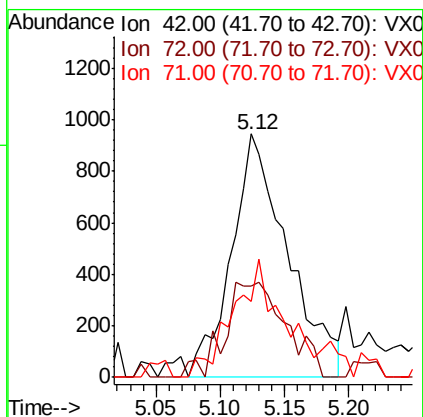
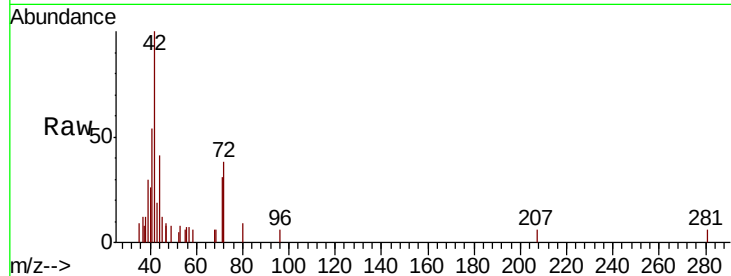




#29
Tetrahydrofuran
Concen: 7.687 ug/l
RT: 5.12 min Scan# 695
Delta R.T. 0.01 min
Lab File: VX012346.D
Acq: 12 Sep 2019 14:33

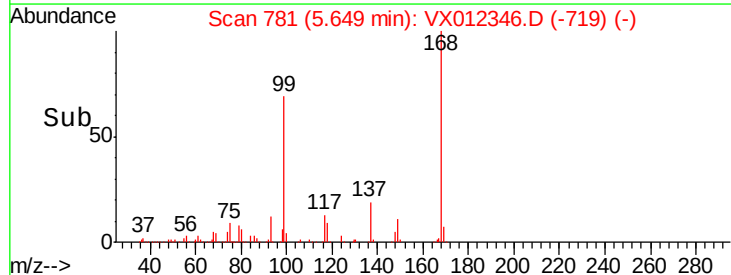
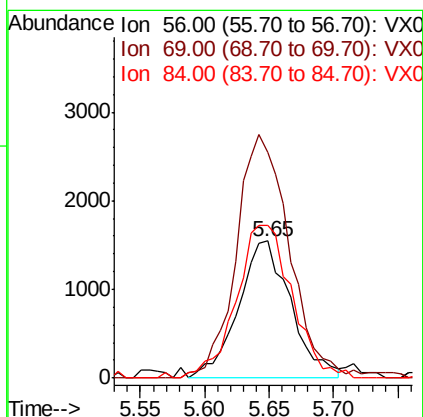
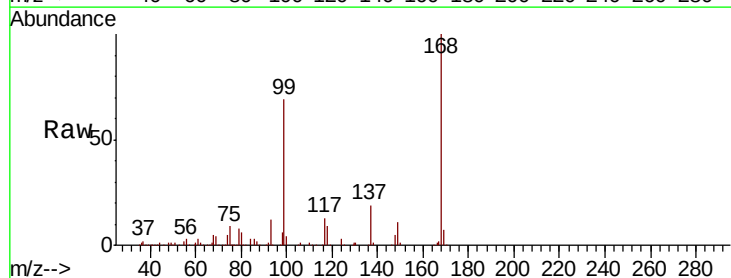
Instrument :
MSVOA_X
ClientSampleId :
T2-2-(1.5)

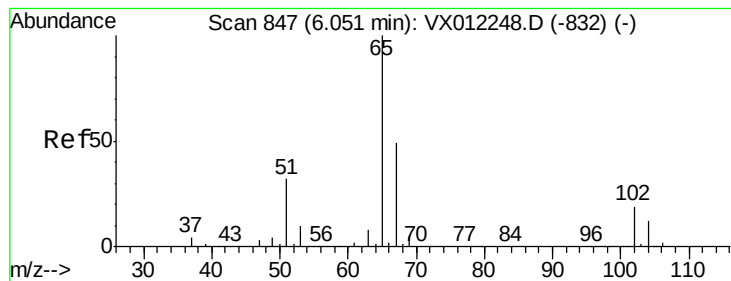
Tgt Ion: 42 Resp: 2870
Ion Ratio Lower Upper
42 100
72 42.9 35.2 52.8
71 42.3 32.5 48.7



#31
Cyclohexane
Concen: 2.069 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.08 min
Lab File: VX012346.D
Acq: 12 Sep 2019 14:33

Tgt Ion: 56 Resp: 4393
Ion Ratio Lower Upper
56 100
69 160.6 23.8 35.6#
84 108.0 66.6 100.0#





#33

1,2-Dichloroethane-d4

Concen: 48.438 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012346.D

Acq: 12 Sep 2019 14:33

Instrument :

MSVOA_X

ClientSampleId :

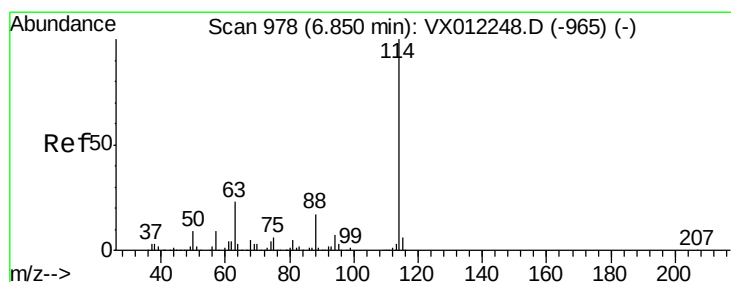
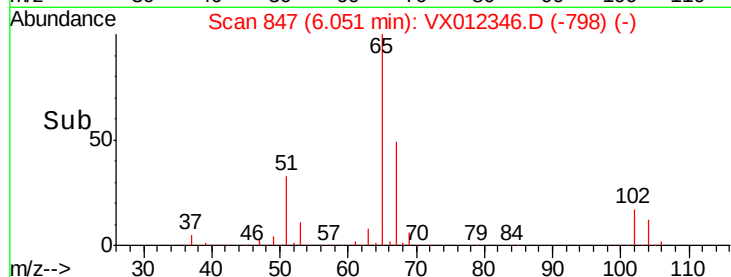
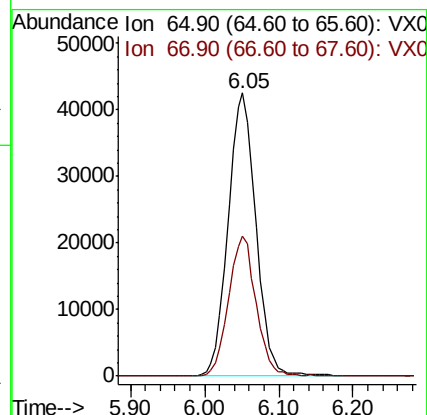
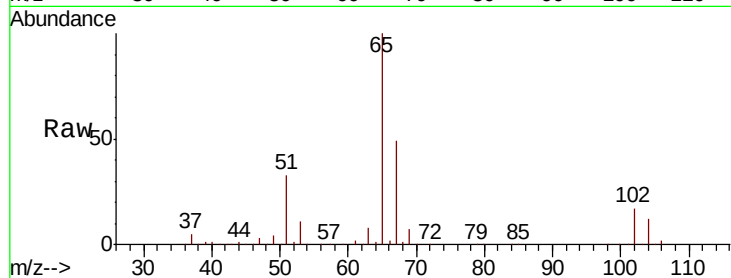
T2-2-(1.5)

Tgt Ion: 65 Resp: 110765

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: VX012346.D

Acq: 12 Sep 2019 14:33

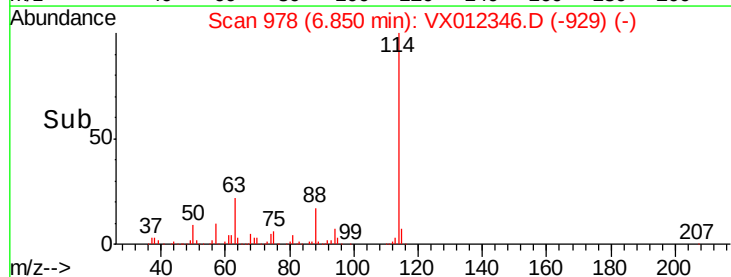
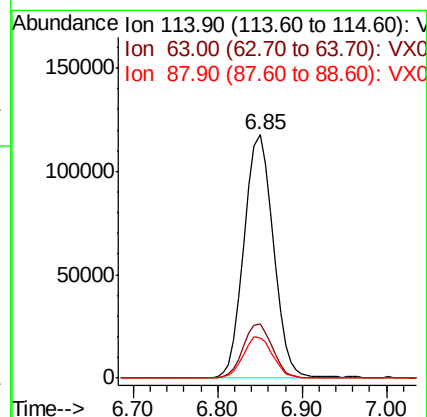
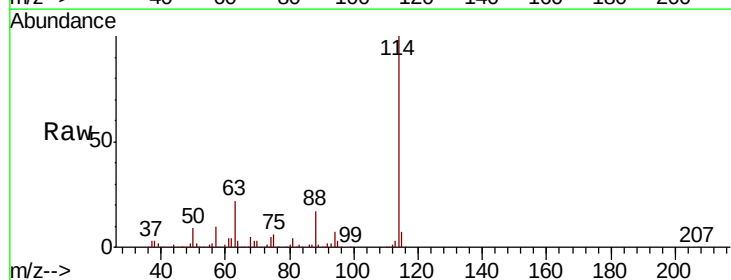
Tgt Ion: 114 Resp: 277936

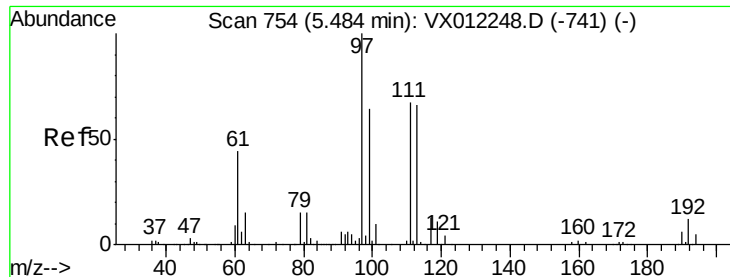
Ion Ratio Lower Upper

114 100

63 22.3 0.0 45.2

88 16.6 0.0 34.8





#35

Dibromofluoromethane

Concen: 46.560 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX012346.D

Acq: 12 Sep 2019 14:33

Instrument :

MSVOA_X

ClientSampleId :

T2-2-(1.5)

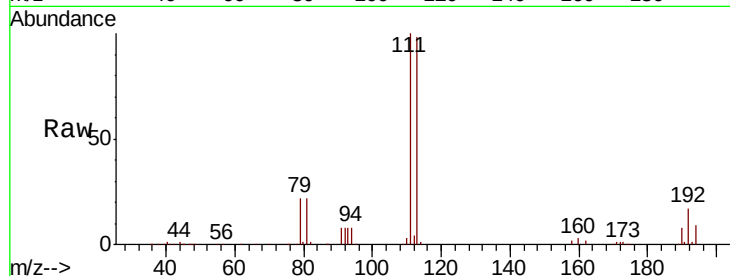
Tgt Ion:113 Resp: 82955

Ion Ratio Lower Upper

113 100

111 102.1 83.0 124.6

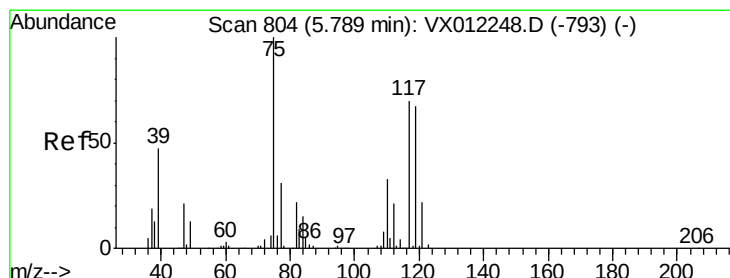
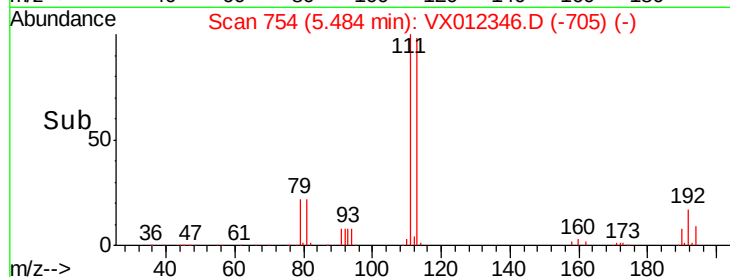
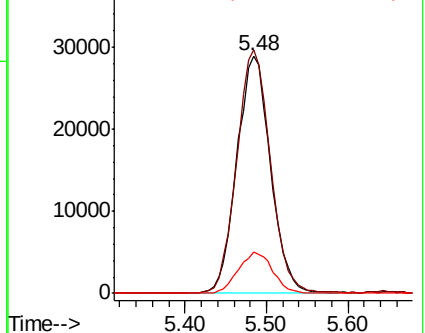
192 17.7 14.3 21.5



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: 7.476 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.15 min

Lab File: VX012346.D

Acq: 12 Sep 2019 14:33

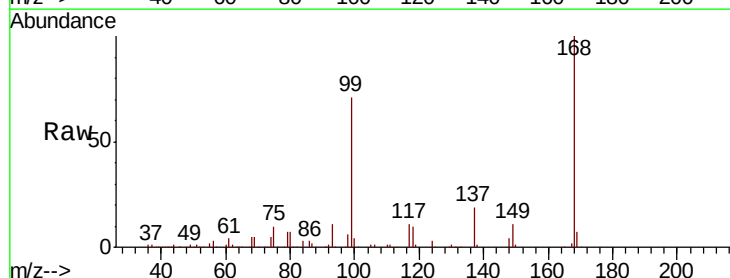
Tgt Ion: 75 Resp: 15150

Ion Ratio Lower Upper

75 100

110 10.0 16.8 50.4#

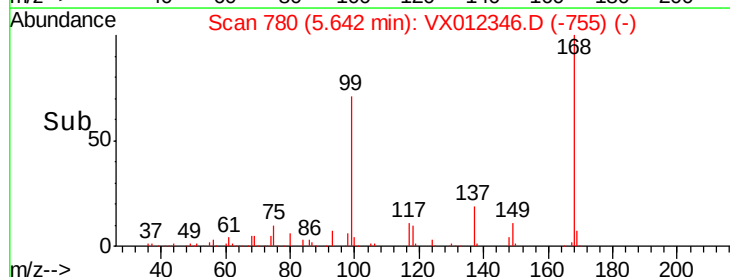
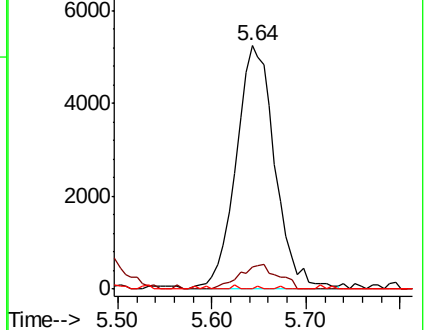
77 0.2 24.5 36.7#

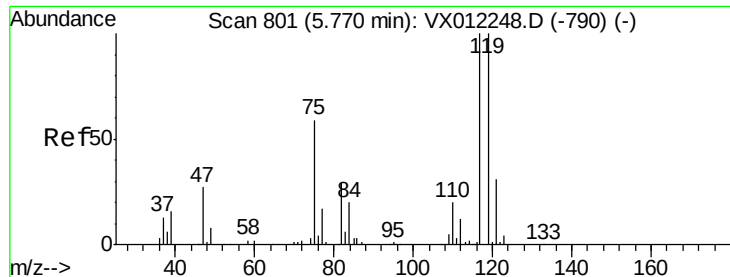


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.858 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.12 min

Lab File: VX012346.D

Acq: 12 Sep 2019 14:33

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T2-2-(1.5)

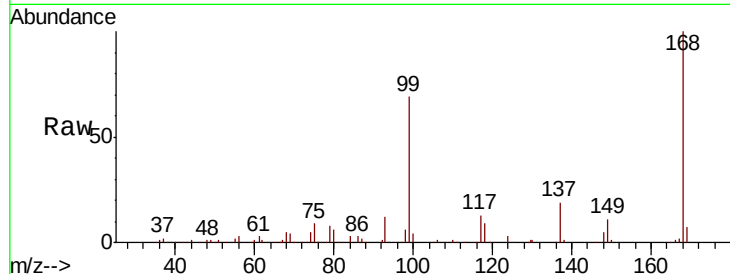
Tgt Ion:117 Resp: 18684

Ion Ratio Lower Upper

117 100

119 3.0 79.6 119.4#

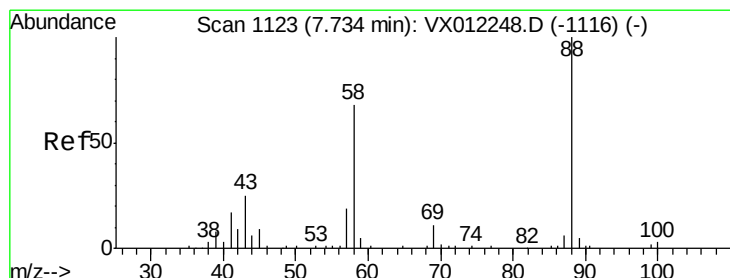
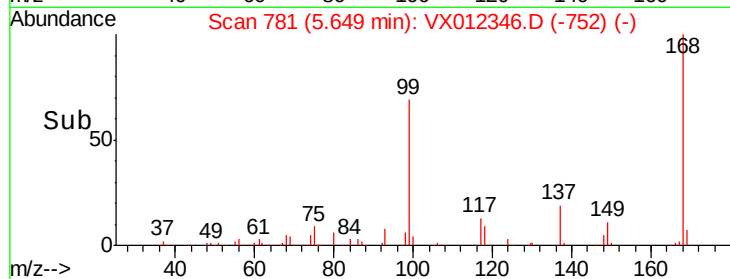
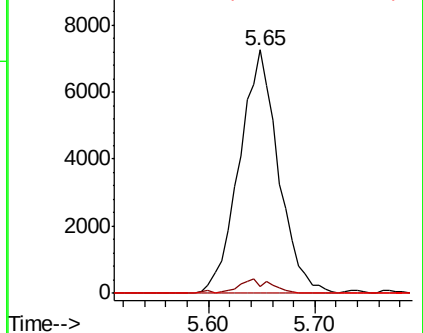
121 0.0 24.7 37.1#



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: 1.114 ug/l

RT: 7.71 min Scan# 1119

Delta R.T. -0.02 min

Lab File: VX012346.D

Acq: 12 Sep 2019 14:33

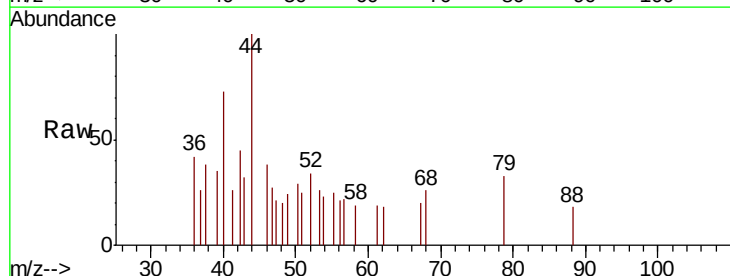
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 0.0 31.0 46.4#

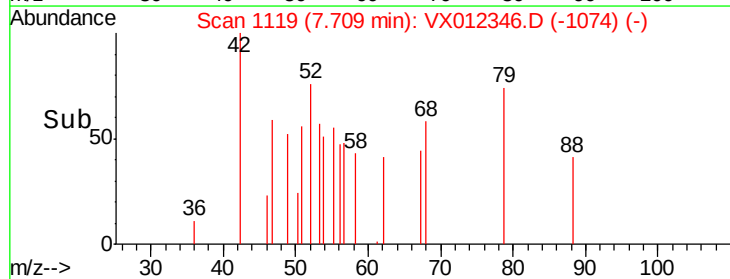
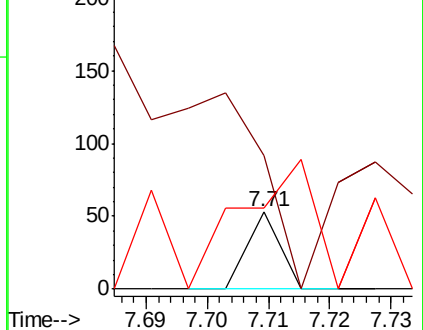
58 510.5 61.5 92.3#

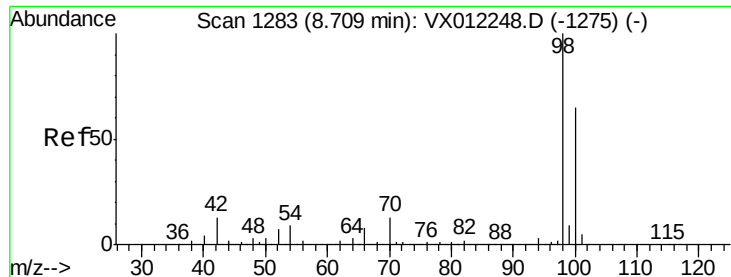


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

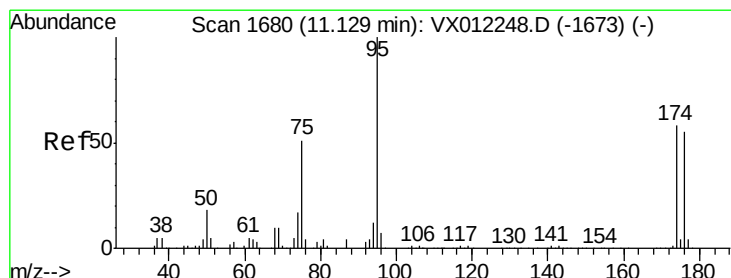
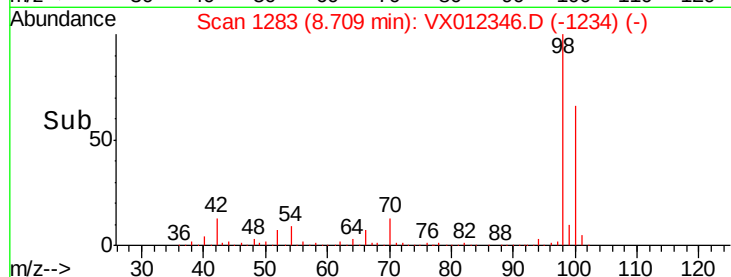
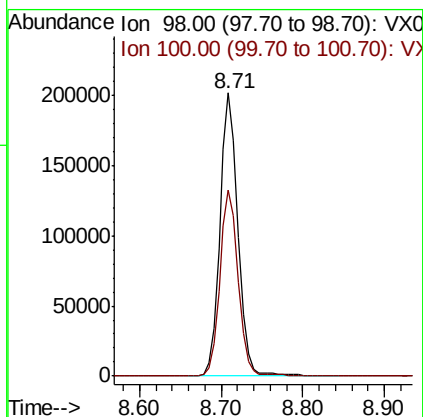
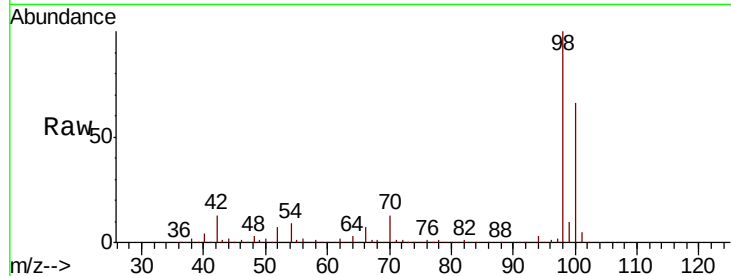




#50
Toluene-d8
Concen: 49.808 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012346.D
Acq: 12 Sep 2019 14:33

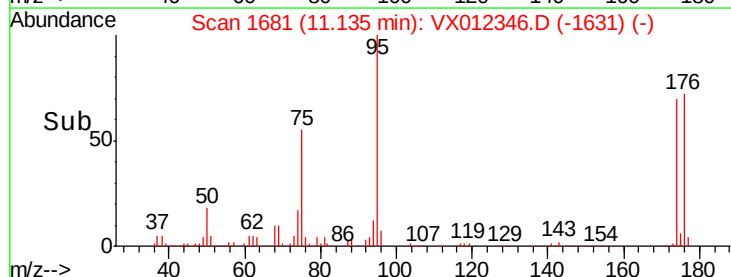
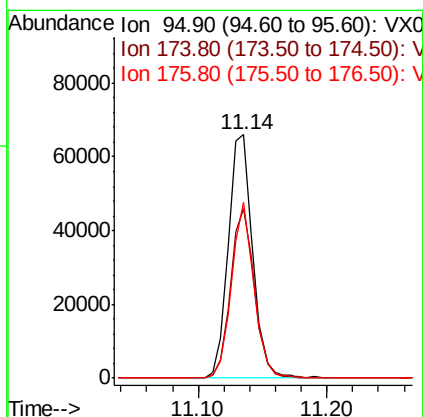
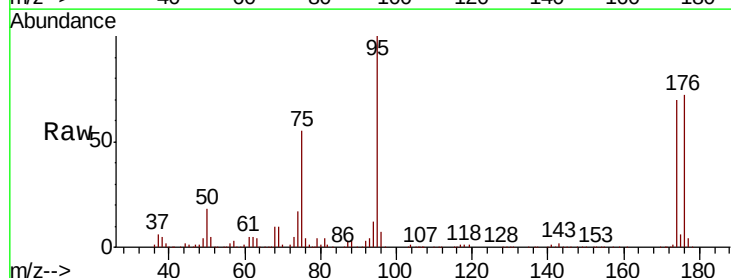
Instrument :
MSVOA_X
ClientSampleId :
T2-2-(1.5)

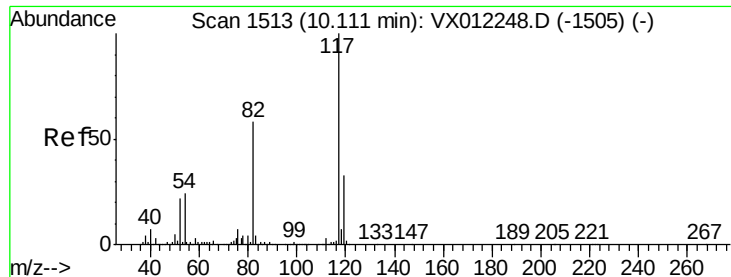
Tgt Ion: 98 Resp: 311254
Ion Ratio Lower Upper
98 100
100 66.9 54.1 81.1



#62
4-Bromofluorobenzene
Concen: 30.352 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX012346.D
Acq: 12 Sep 2019 14:33

Tgt Ion: 95 Resp: 87931
Ion Ratio Lower Upper
95 100
174 68.1 0.0 127.0
176 66.2 0.0 125.8

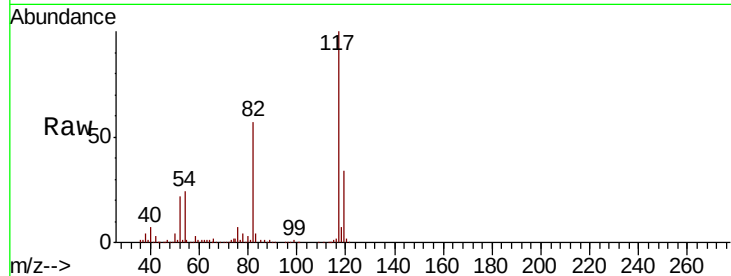




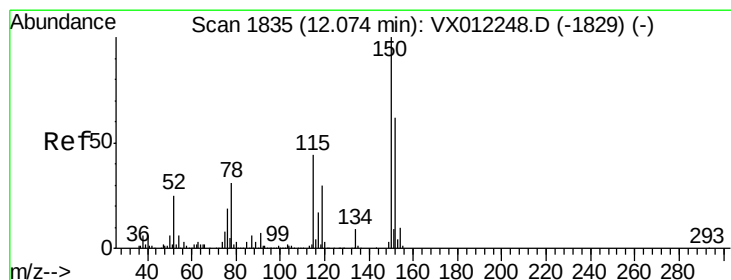
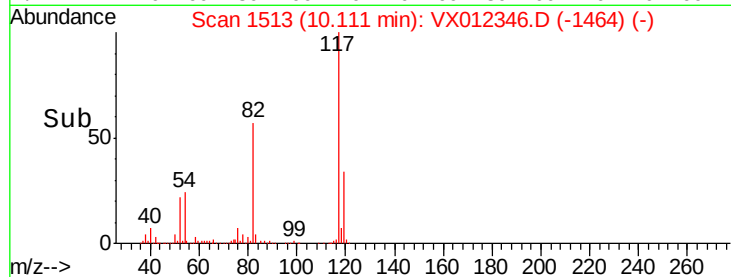
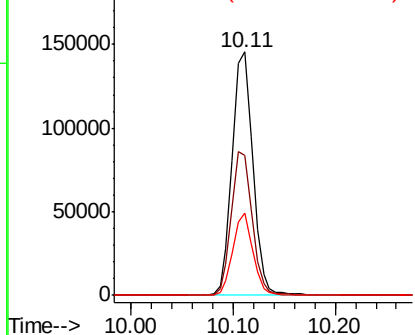
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012346.D
Acq: 12 Sep 2019 14:33

Instrument :
MSVOA_X
ClientSampleId :
T2-2-(1.5)

Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.3	46.4	69.6
119	33.6	26.6	39.8

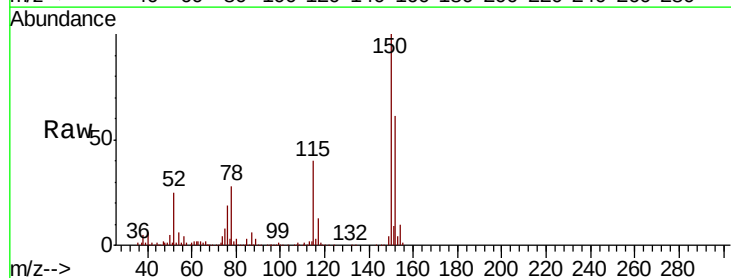


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

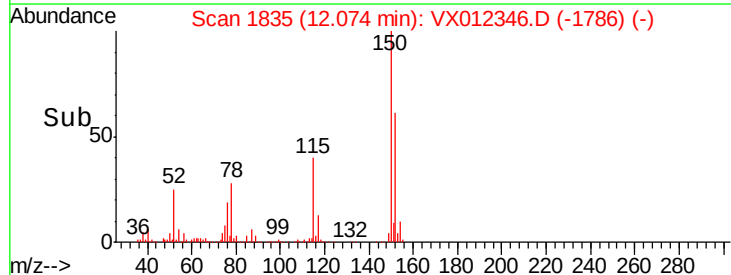
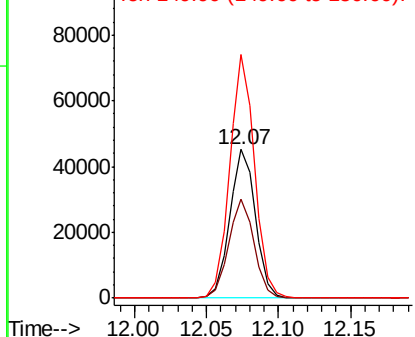


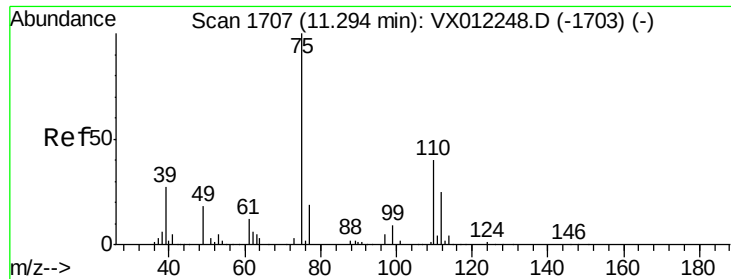
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012346.D
Acq: 12 Sep 2019 14:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	66.0	45.5	136.4
150	158.3	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: 65.550 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012346.D

Acq: 12 Sep 2019 14:33

Instrument :

MSVOA_X

ClientSampleId :

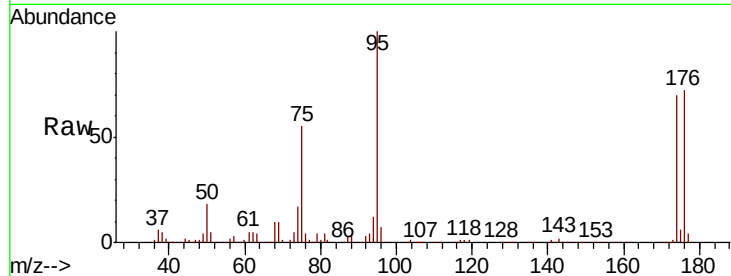
T2-2-(1.5)

Tgt Ion: 75 Resp: 47846

Ion Ratio Lower Upper

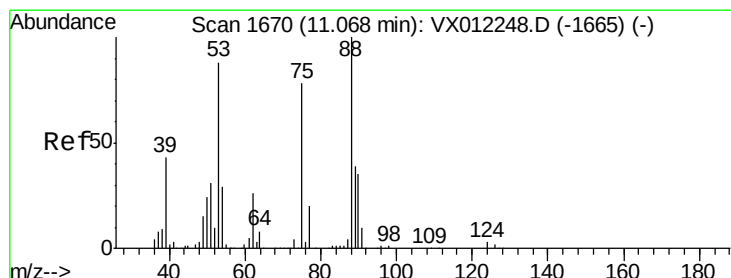
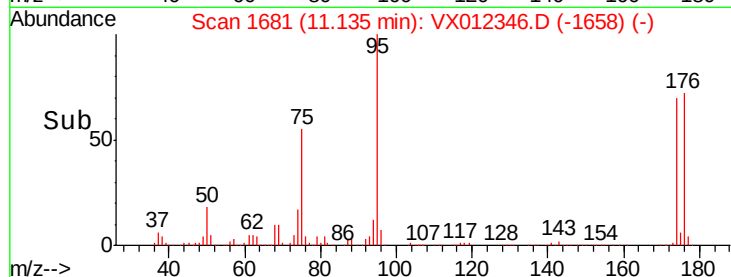
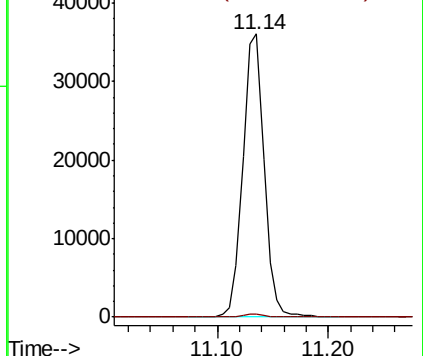
75 100

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: 196.404 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012346.D

Acq: 12 Sep 2019 14:33

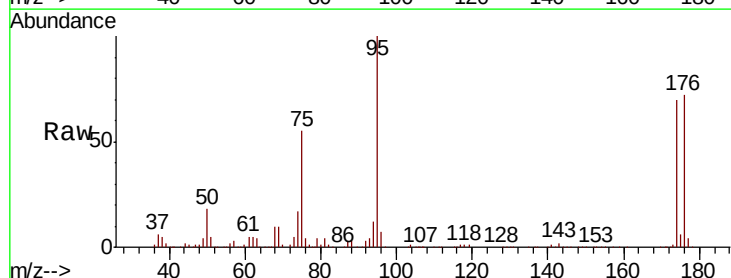
Tgt Ion: 75 Resp: 47846

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

