

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091019\
 Data File : VX012281.D
 Acq On : 11 Sep 2019 04:04
 Operator : SY/SP
 Sample : K4680-12
 Misc : 5.23g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T3-1-(0)

Quant Time: Sep 11 07:36:53 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	155428	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	272643	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	204340	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	57459	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	107946	49.12	ug/l	0.00
Spiked Amount			Recovery	=	98.24%	
35) Dibromofluoromethane	5.48	113	82063	46.95	ug/l	0.00
Spiked Amount			Recovery	=	93.90%	
50) Toluene-d8	8.71	98	315247	51.43	ug/l	0.00
Spiked Amount			Recovery	=	102.86%	
62) 4-Bromofluorobenzene	11.14	95	89860	31.62	ug/l	0.00
Spiked Amount			Recovery	=	63.24%	

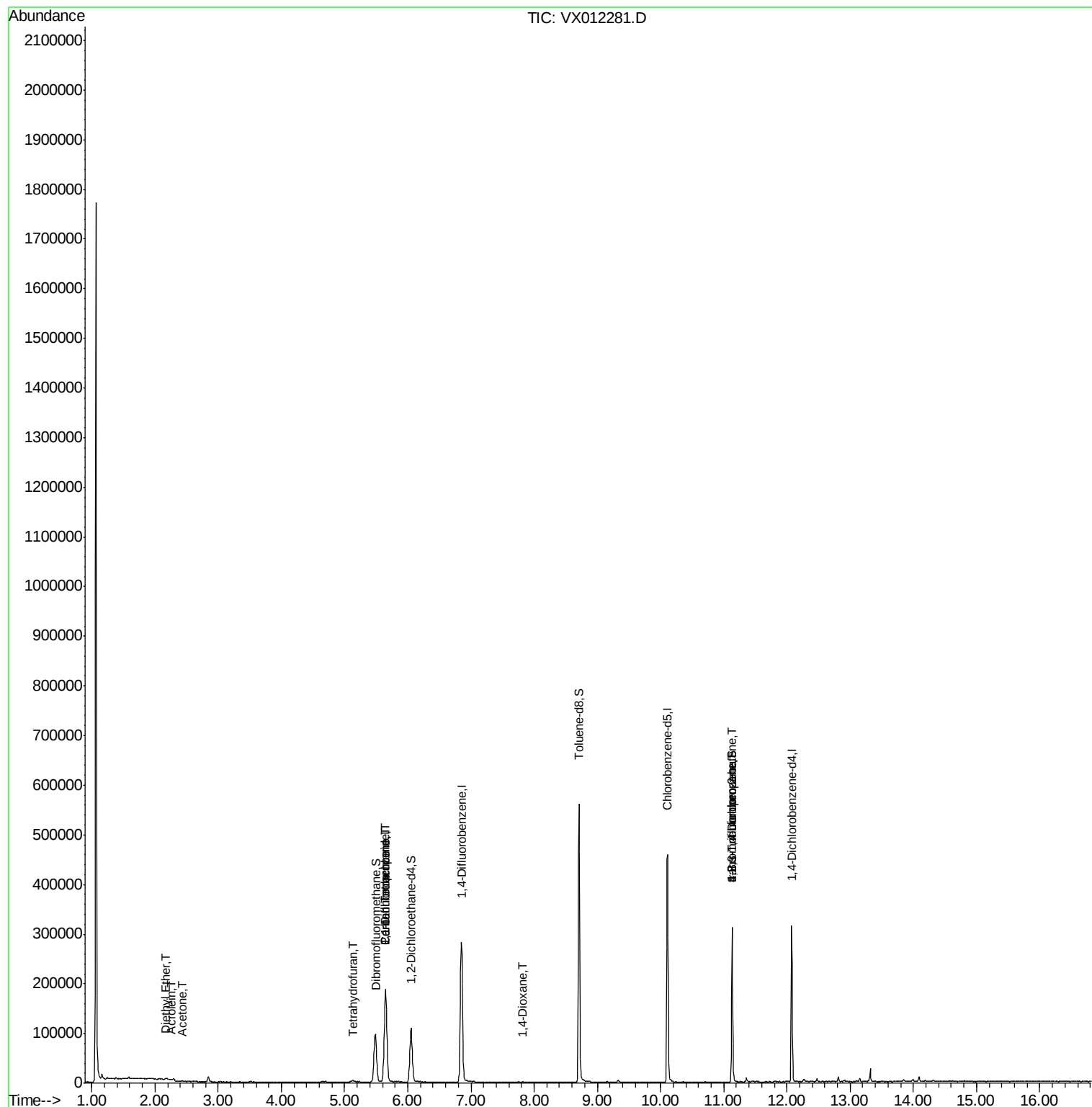
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	184	Below Cal	#	62
8) Diethyl Ether	2.17	74	998	1.423	ug/l	68
11) Tert butyl alcohol	3.03	59	825	Below Cal	#	48
13) Acrolein	2.27	56	128	1.114	ug/l	90
16) Acetone	2.43	43	1840	3.537	ug/l	94
29) Tetrahydrofuran	5.13	42	2312	6.444	ug/l #	87
36) 1,1-Dichloropropene	5.65	75	14531	7.309	ug/l #	54
38) Carbon Tetrachloride	5.65	117	18206	7.805	ug/l #	14
49) 1,4-Dioxane	7.82	88	49	2.928	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	47462	64.299	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	47462	192.654	ug/l #	5

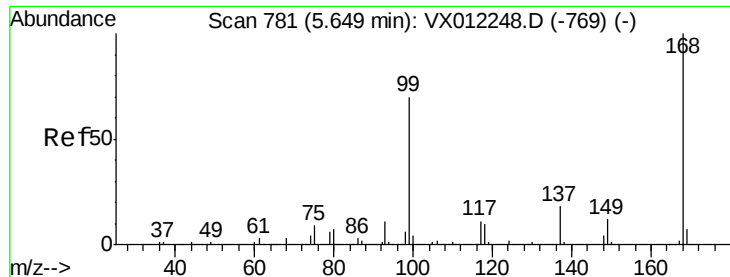
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX091019\
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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: VX012281.D

Acq: 11 Sep 2019 04:04

Instrument :

MSVOA_X

ClientSampleId :

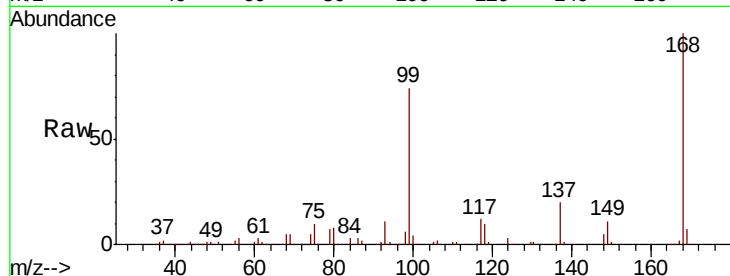
T3-1-(0)

Tgt Ion:168 Resp: 155428

Ion Ratio Lower Upper

168 100

99 74.4 55.8 83.6



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

Ion 98.90 (98.60 to 99.60): VX012248.D (-769) (-)

5.65

60000

50000

40000

30000

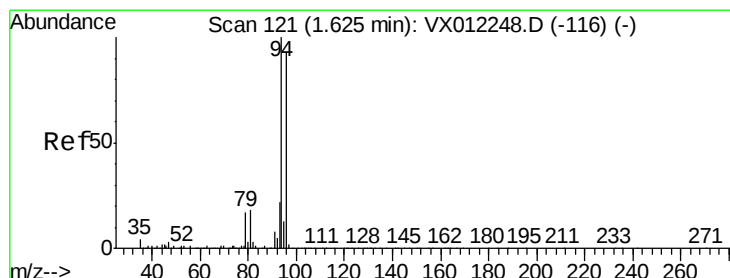
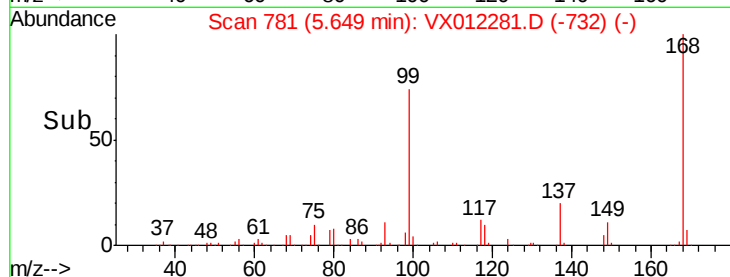
20000

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: VX012281.D

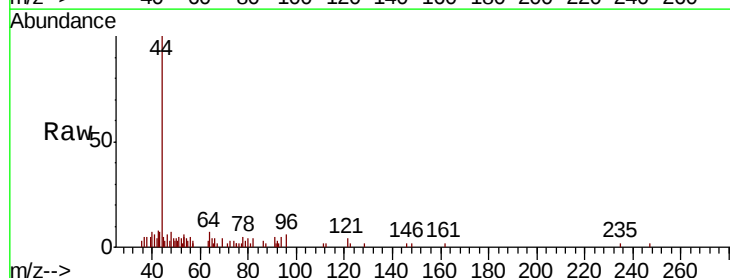
Acq: 11 Sep 2019 04:04

Tgt Ion: 94 Resp: 184

Ion Ratio Lower Upper

94 100

96 129.0 74.0 111.0#



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

Ion 95.90 (95.60 to 96.60): VX012248.D (-116) (-)

1.64

150

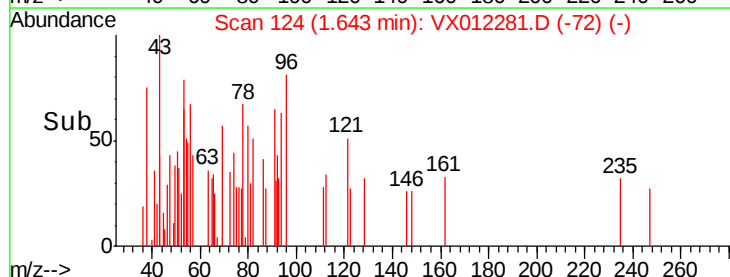
100

50

0

Time-->

1.60 1.62 1.64 1.66





#8

Diethyl Ether

Concen: 1.423 ug/l

RT: 2.17 min Scan# 211

Delta R.T. 0.00 min

Lab File: VX012281.D

Acq: 11 Sep 2019 04:04

Instrument :

MSVOA_X

ClientSampleId :

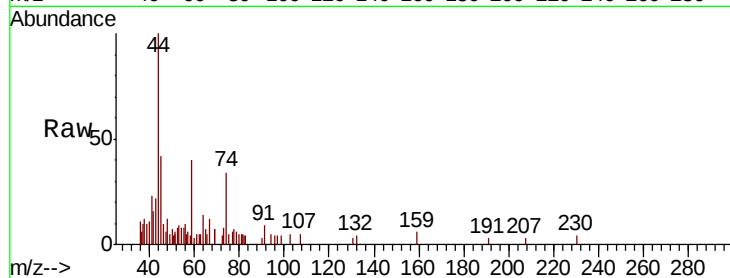
T3-1-(0)

Tgt Ion: 74 Resp: 998

Ion Ratio Lower Upper

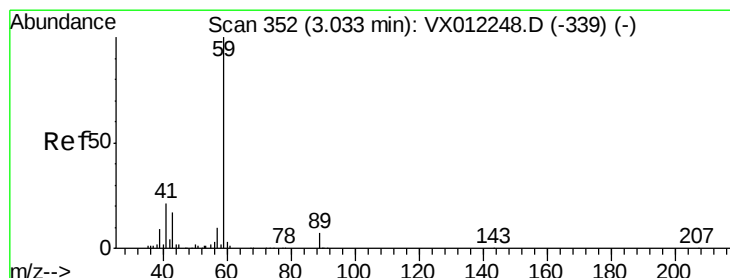
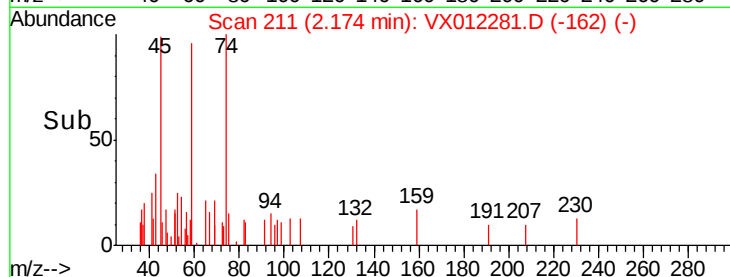
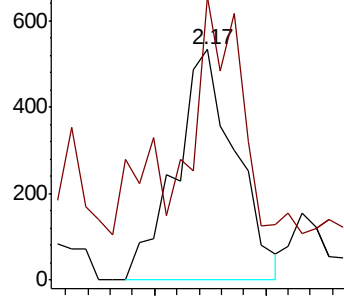
74 100

45 70.5 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: VX012281.D

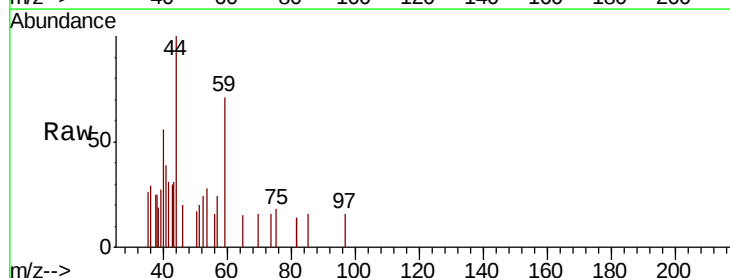
Acq: 11 Sep 2019 04:04

Tgt Ion: 59 Resp: 825

Ion Ratio Lower Upper

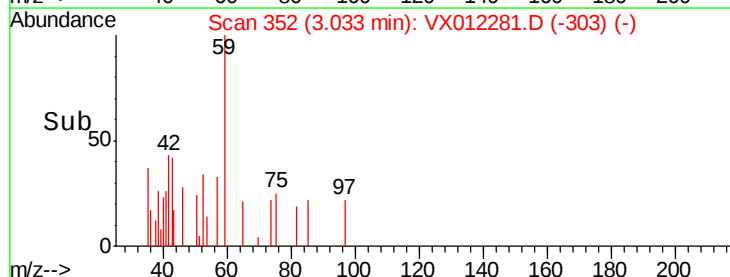
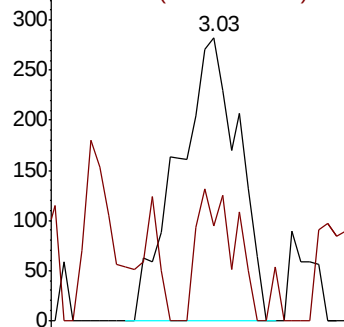
59 100

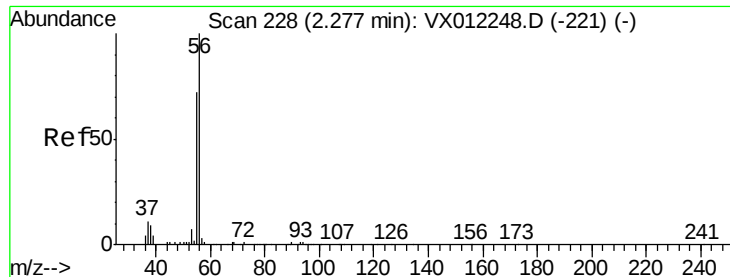
57 29.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 1.114 ug/l

RT: 2.27 min Scan# 226

Delta R.T. -0.01 min

Lab File: VX012281.D

Acq: 11 Sep 2019 04:04

Instrument :

MSVOA_X

ClientSampled :

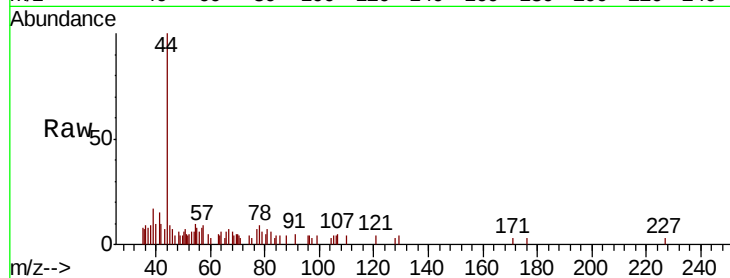
T3-1-(0)

Tgt Ion: 56 Resp: 128

Ion Ratio Lower Upper

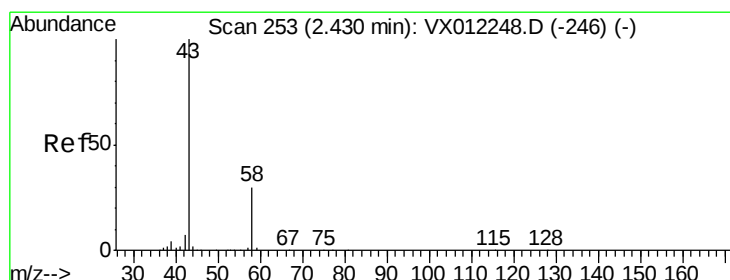
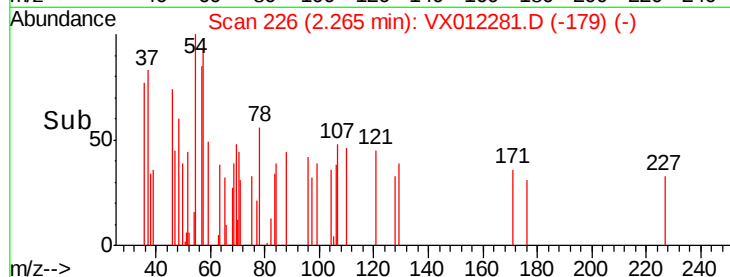
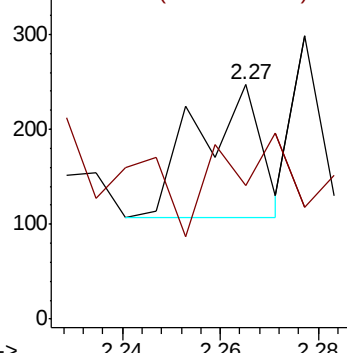
56 100

55 82.8 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: 3.537 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX012281.D

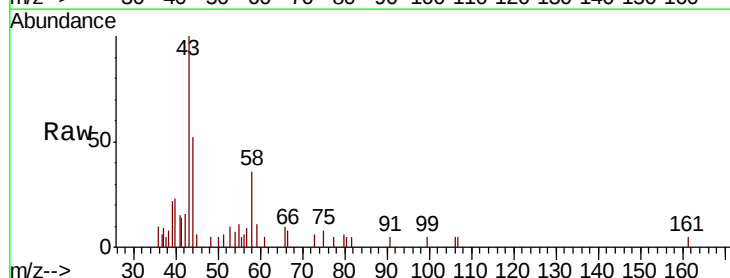
Acq: 11 Sep 2019 04:04

Tgt Ion: 43 Resp: 1840

Ion Ratio Lower Upper

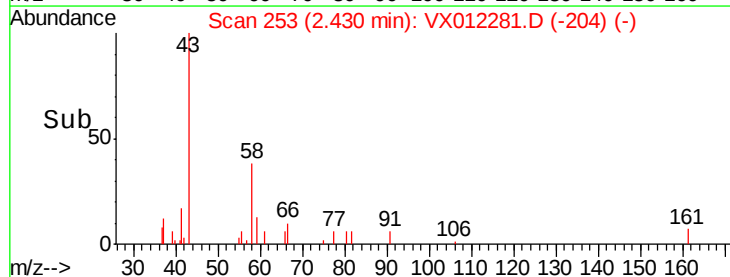
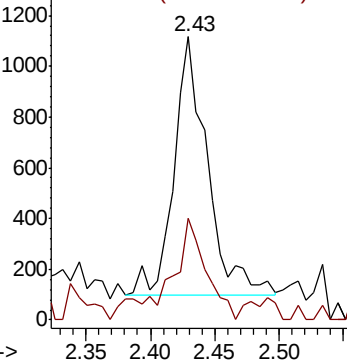
43 100

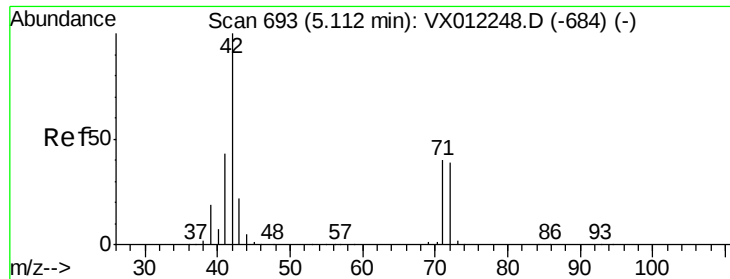
58 32.7 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

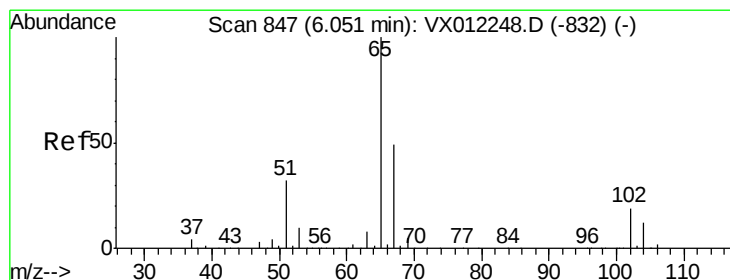
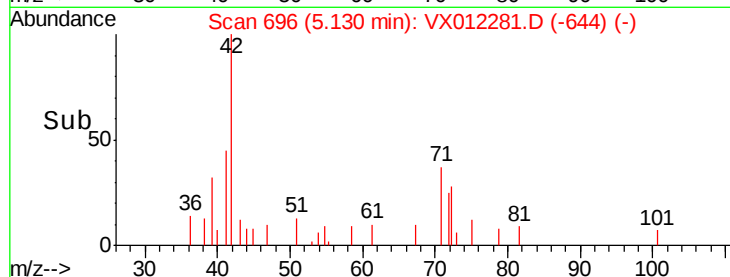
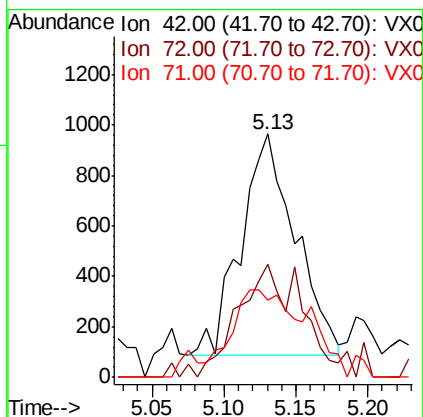
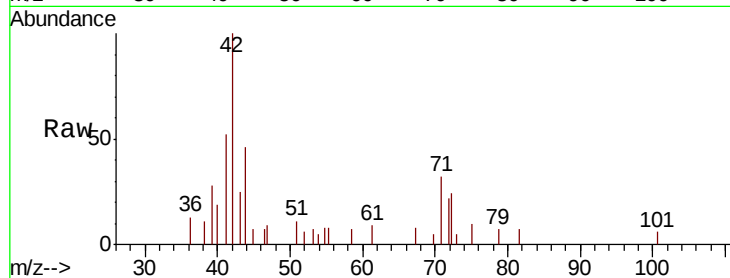




#29
Tetrahydrofuran
Concen: 6.444 ug/l
RT: 5.13 min Scan# 696
Delta R.T. 0.02 min
Lab File: VX012281.D
Acq: 11 Sep 2019 04:04

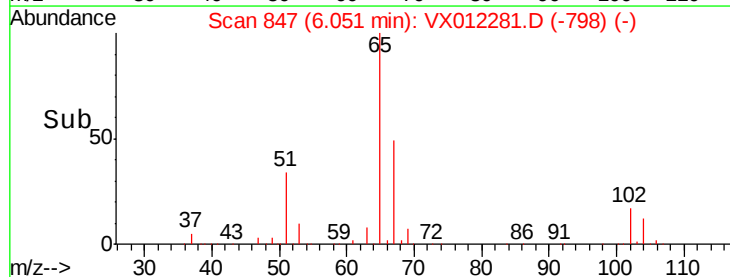
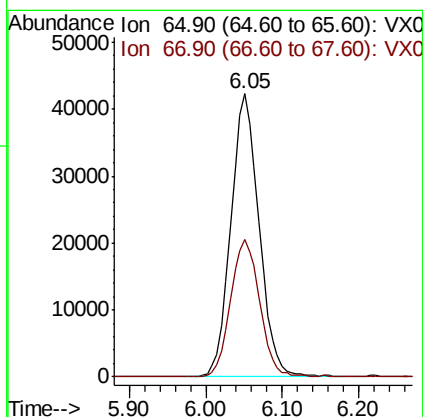
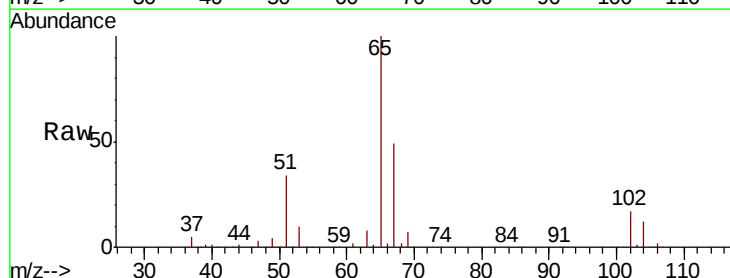
Instrument :
MSVOA_X
ClientSampleId :
T3-1-(0)

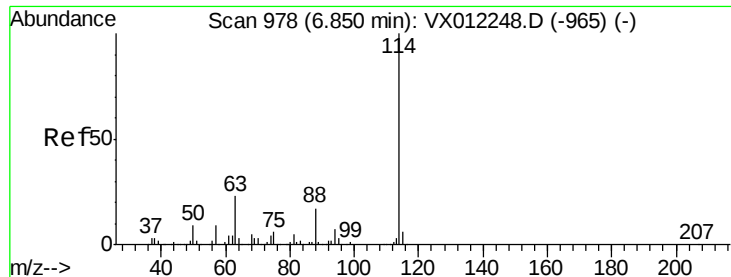
Tgt Ion: 42 Resp: 2312
Ion Ratio Lower Upper
42 100
72 41.3 35.2 52.8
71 54.6 32.5 48.7#



#33
1,2-Dichloroethane-d4
Concen: 49.123 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX012281.D
Acq: 11 Sep 2019 04:04

Tgt Ion: 65 Resp: 107946
Ion Ratio Lower Upper
65 100
67 49.9 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: VX012281.D

Acq: 11 Sep 2019 04:04

Instrument :

MSVOA_X

ClientSampleId :

T3-1-(0)

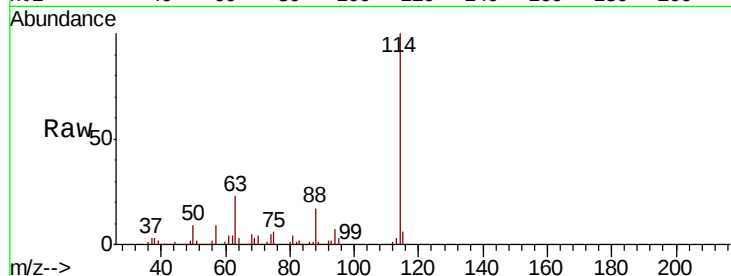
Tgt Ion:114 Resp: 272643

Ion Ratio Lower Upper

114 100

63 22.6 0.0 45.2

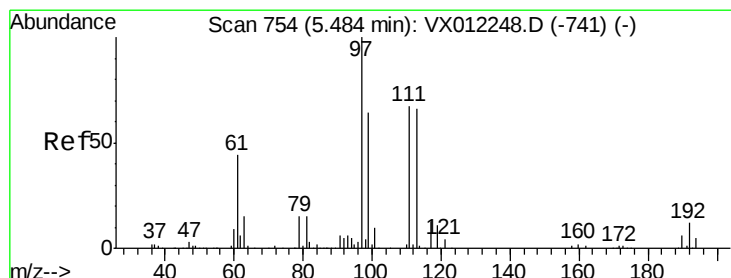
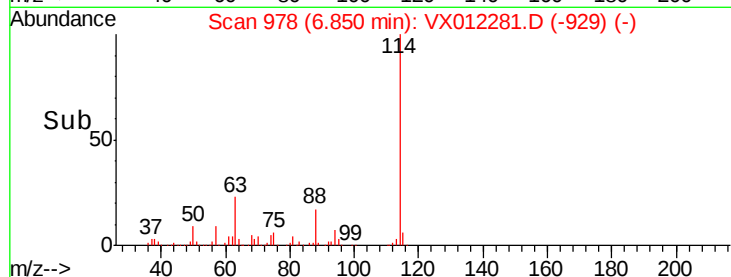
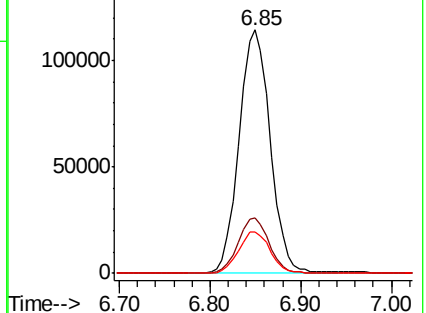
88 16.8 0.0 34.8



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: 46.953 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX012281.D

Acq: 11 Sep 2019 04:04

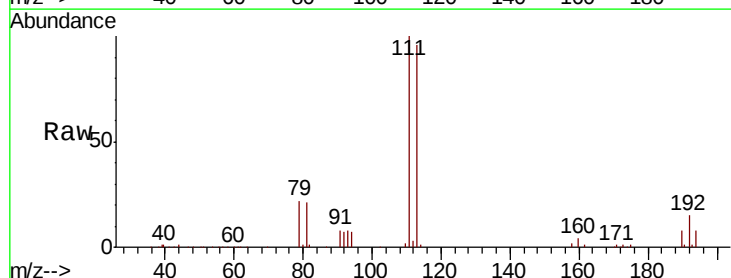
Tgt Ion:113 Resp: 82063

Ion Ratio Lower Upper

113 100

111 104.1 83.0 124.6

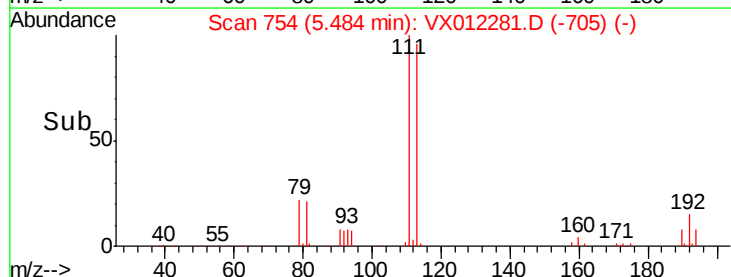
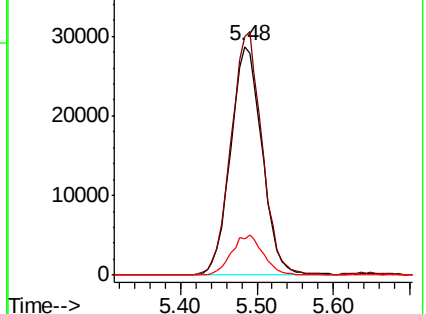
192 17.6 14.3 21.5

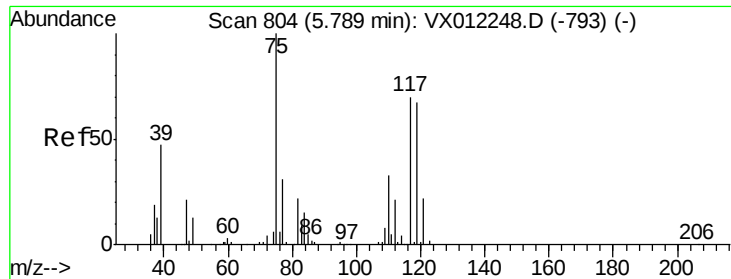


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

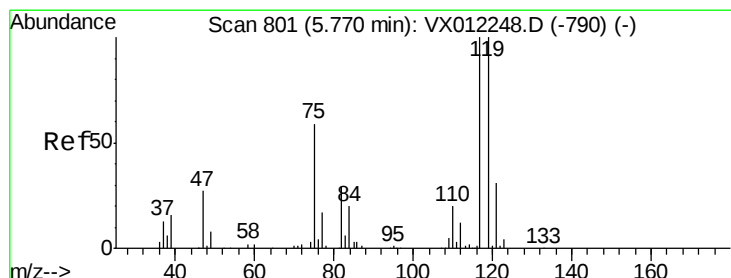
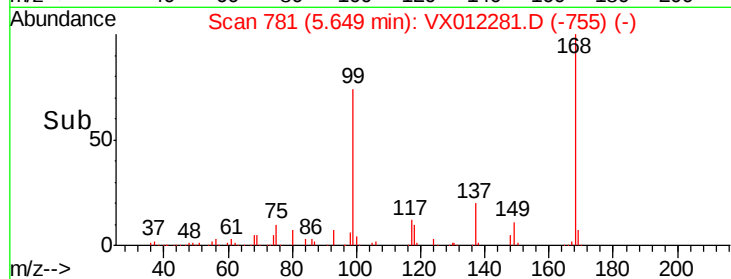
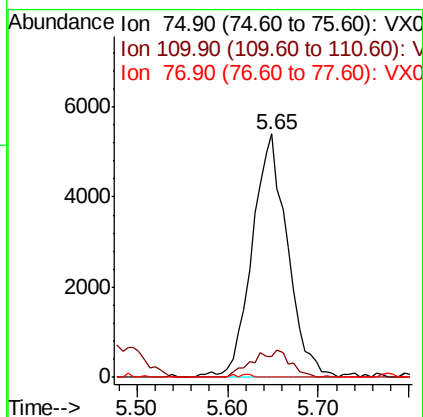
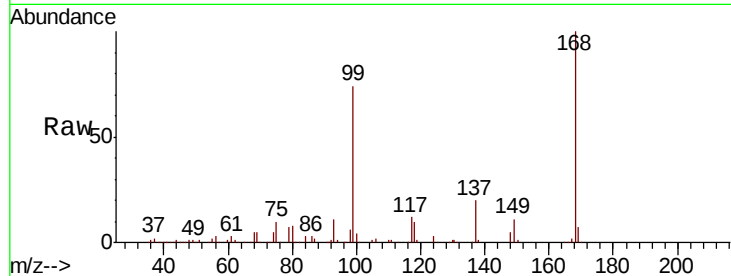




#36
 1,1-Dichloropropene
 Concen: 7.309 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012281.D
 Acq: 11 Sep 2019 04:04

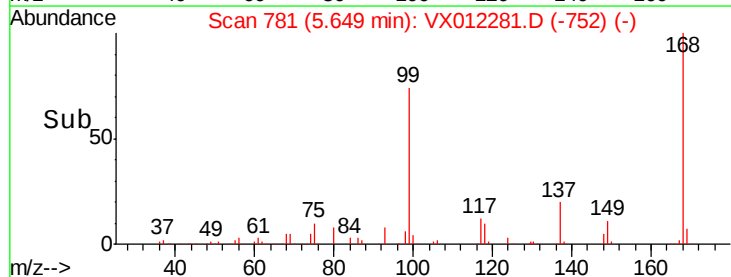
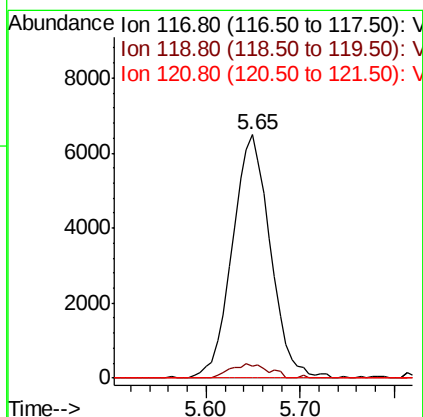
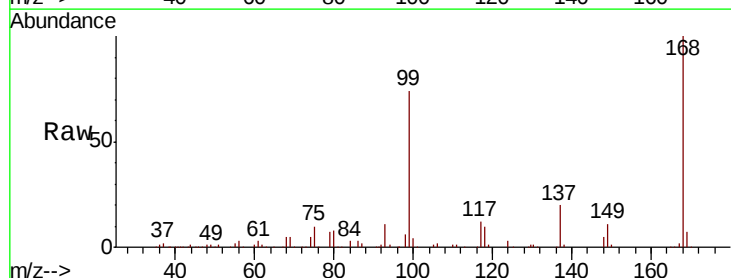
Instrument :
 MSVOA_X
 ClientSampleId :
 T3-1-(0)

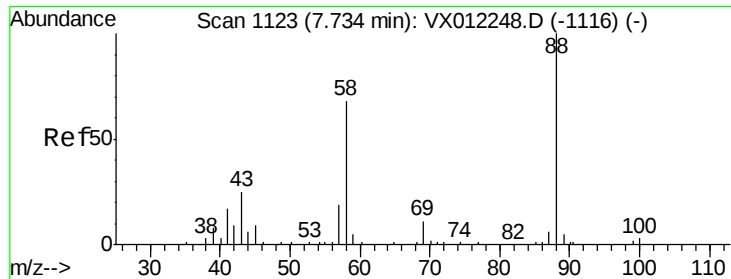
Tgt Ion: 75 Resp: 14531
 Ion Ratio Lower Upper
 75 100
 110 12.0 16.8 50.4#
 77 0.0 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 7.805 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.12 min
 Lab File: VX012281.D
 Acq: 11 Sep 2019 04:04

Tgt Ion: 117 Resp: 18206
 Ion Ratio Lower Upper
 117 100
 119 5.1 79.6 119.4#
 121 0.0 24.7 37.1#

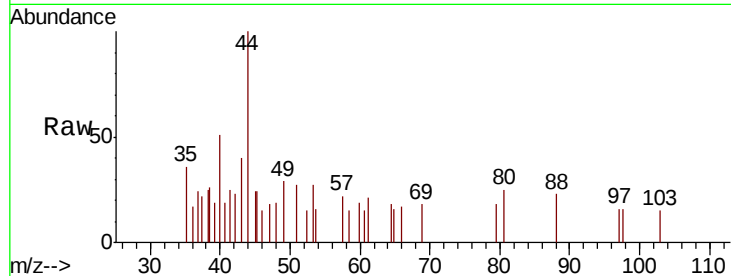




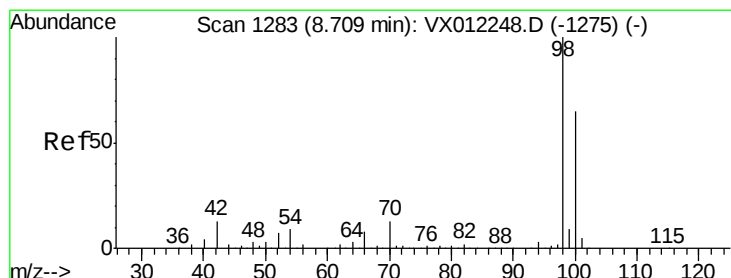
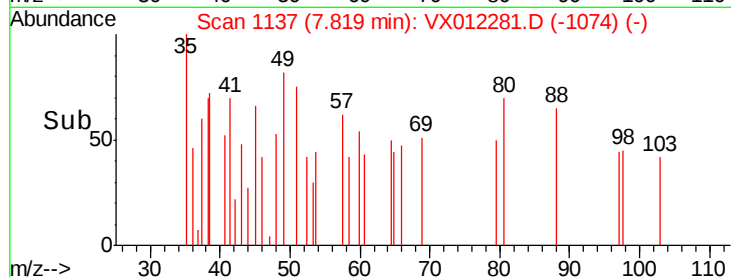
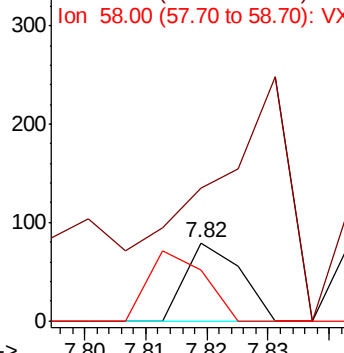
#49
1,4-Dioxane
Concen: 2.928 ug/l
RT: 7.82 min Scan# 1137
Delta R.T. 0.09 min
Lab File: VX012281.D
Acq: 11 Sep 2019 04:04

Instrument :
MSVOA_X
ClientSampled :
T3-1-(0)

Tgt Ion: 88 Resp: 49
Ion Ratio Lower Upper
88 100
43 471.4 31.0 46.4#
58 91.8 61.5 92.3

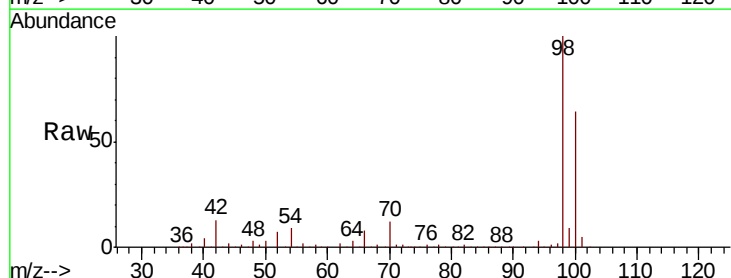


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

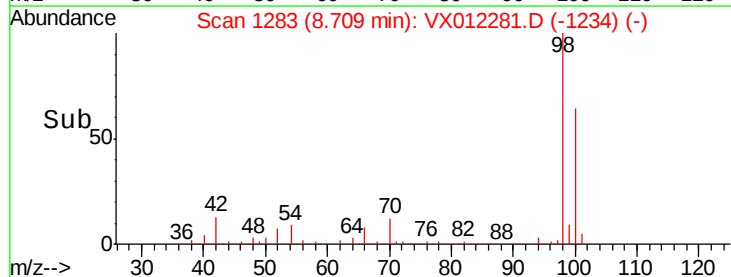
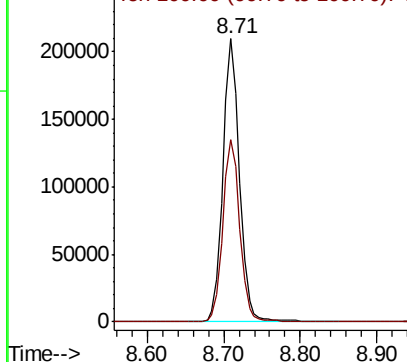


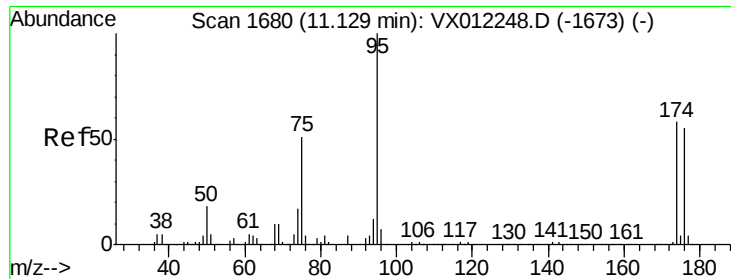
#50
Toluene-d8
Concen: 51.427 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012281.D
Acq: 11 Sep 2019 04:04

Tgt Ion: 98 Resp: 315247
Ion Ratio Lower Upper
98 100
100 65.3 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: 31.620 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX012281.D

Acq: 11 Sep 2019 04:04

Instrument :

MSVOA_X

ClientSampleId :

T3-1-(0)

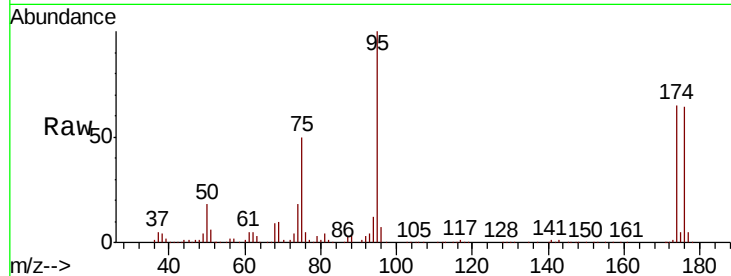
Tgt Ion: 95 Resp: 89860

Ion Ratio Lower Upper

95 100

174 64.1 0.0 127.0

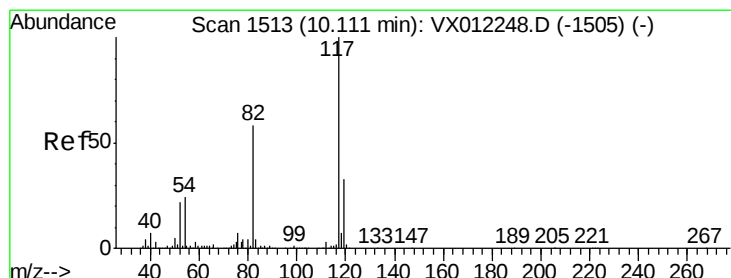
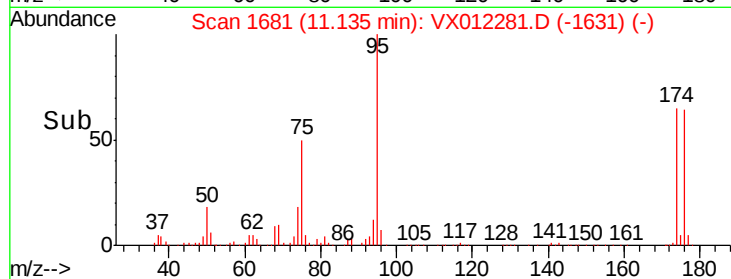
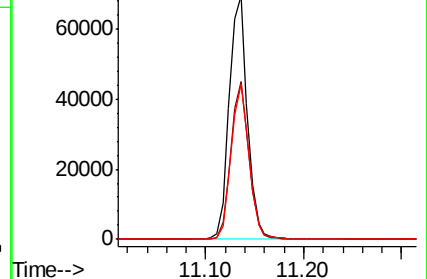
176 62.7 0.0 125.8



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: VX012281.D

Acq: 11 Sep 2019 04:04

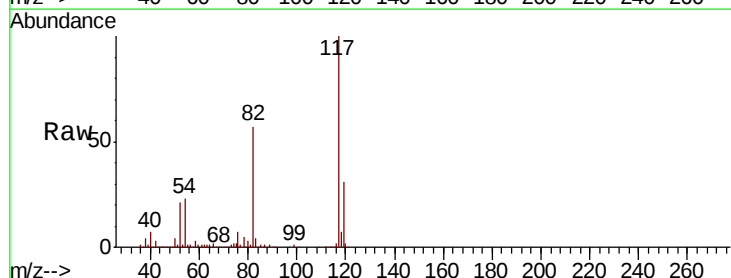
Tgt Ion: 117 Resp: 204340

Ion Ratio Lower Upper

117 100

82 57.1 46.4 69.6

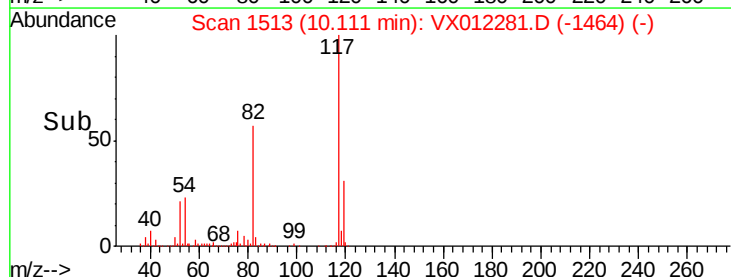
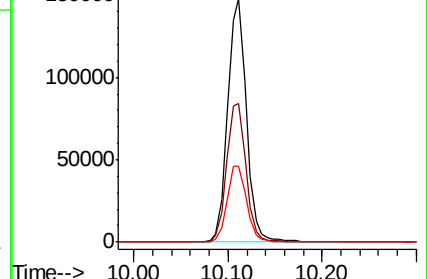
119 31.0 26.6 39.8

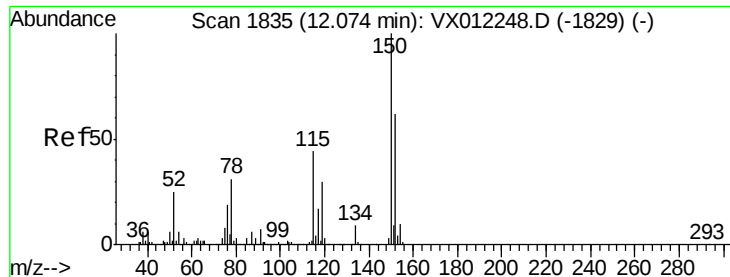


Abundance Ion 116.90 (116.60 to 117.60): VX012248.D (-1505) (-)

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: VX012281.D

Acq: 11 Sep 2019 04:04

Instrument :

MSVOA_X

ClientSampleId :

T3-1-(0)

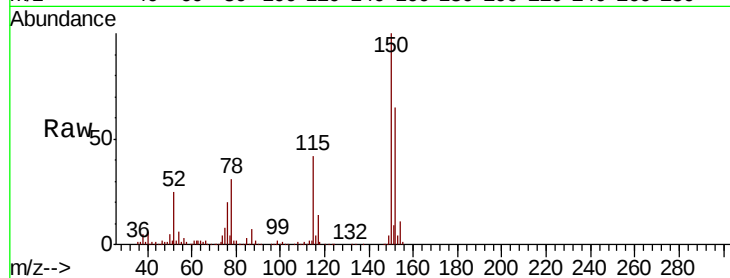
Tgt Ion:152 Resp: 57459

Ion Ratio Lower Upper

152 100

115 65.0 45.5 136.4

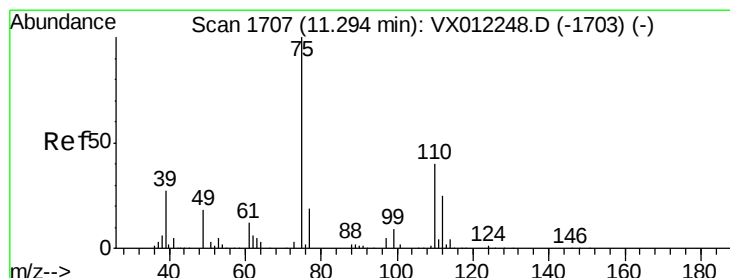
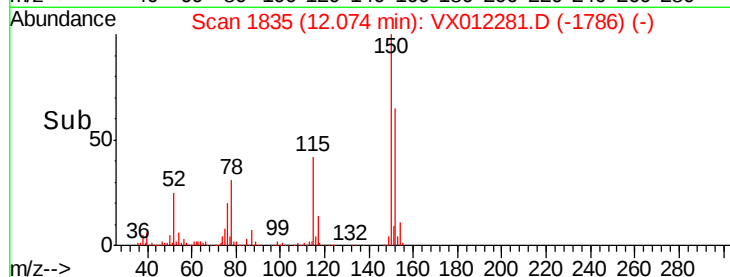
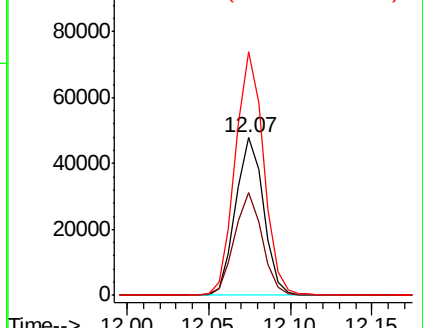
150 156.0 0.0 346.4



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: 64.299 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012281.D

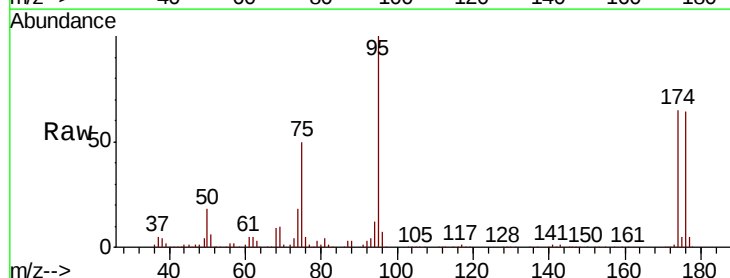
Acq: 11 Sep 2019 04:04

Tgt Ion: 75 Resp: 47462

Ion Ratio Lower Upper

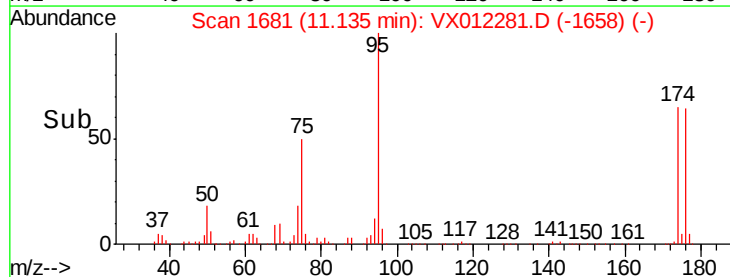
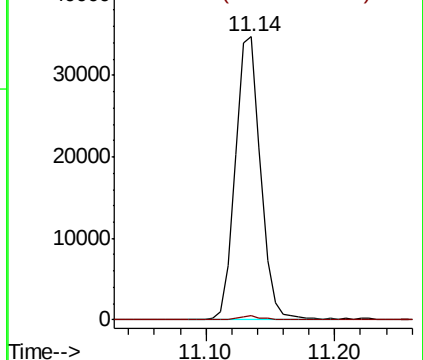
75 100

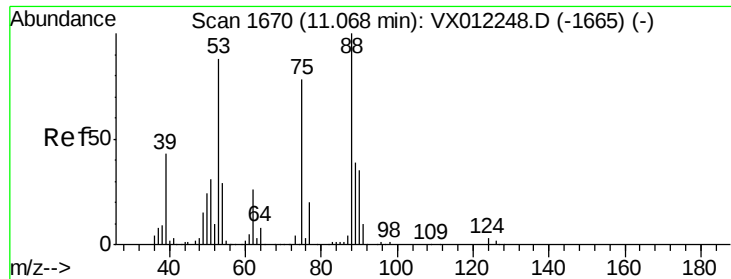
77 1.4 19.7 59.0#



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: 192.654 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012281.D

Acq: 11 Sep 2019 04:04

Instrument :

MSVOA_X

ClientSampleId :

T3-1-(0)

Tgt Ion: 75 Resp: 47462

Ion Ratio Lower Upper

75 100

53 0.0 88.1 132.1#

89 0.0 43.5 65.3#

