

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091019\
 Data File : VX012262.D
 Acq On : 10 Sep 2019 18:19
 Operator : SY/SP
 Sample : K4624-09
 Misc : 4.43g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T-11-A3-(0)

Quant Time: Sep 11 01:37:06 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	169626	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	296244	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	257212	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	105577	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	120437	50.22	ug/l	0.00
Spiked Amount			Recovery	=	100.44%	
35) Dibromofluoromethane	5.48	113	91382	48.12	ug/l	0.00
Spiked Amount			Recovery	=	96.24%	
50) Toluene-d8	8.71	98	352683	52.95	ug/l	0.00
Spiked Amount			Recovery	=	105.90%	
62) 4-Bromofluorobenzene	11.14	95	133390	43.20	ug/l	0.00
Spiked Amount			Recovery	=	86.40%	

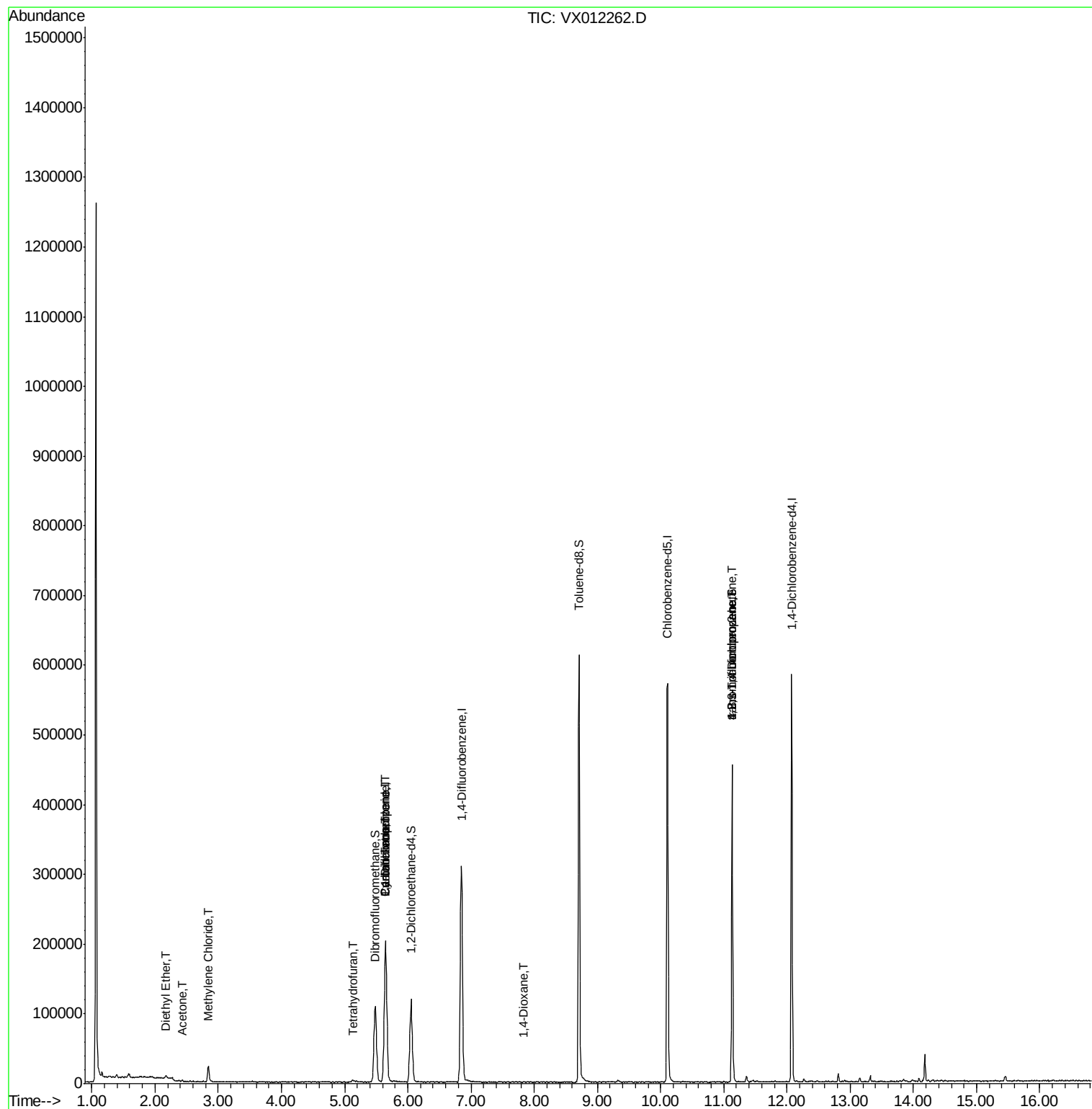
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	309	Below Cal	#	13
8) Diethyl Ether	2.18	74	1186	1.549	ug/l	95
11) Tert butyl alcohol	3.01	59	211	Below Cal	#	1
16) Acetone	2.43	43	1932	3.403	ug/l	99
20) Methylene Chloride	2.84	84	9990	3.172	ug/l	94
29) Tetrahydrofuran	5.14	42	3377	8.624	ug/l #	64
31) Cyclohexane	5.64	56	4722	2.121	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	15939	7.379	ug/l #	51
38) Carbon Tetrachloride	5.65	117	20183	7.964	ug/l #	14
49) 1,4-Dioxane	7.83	88	21	1.155	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	69939	51.566	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	69939	154.504	ug/l #	5

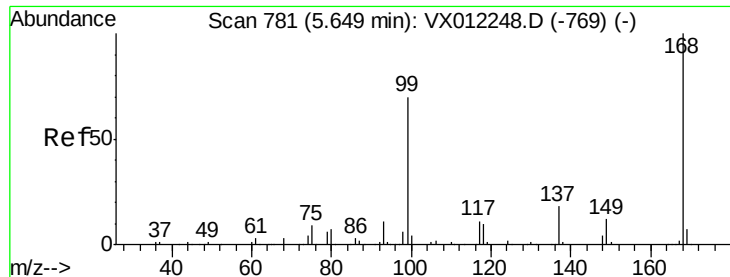
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX012262.D

Acq: 10 Sep 2019 18:19

Instrument :

MSVOA_X

ClientSampleId :

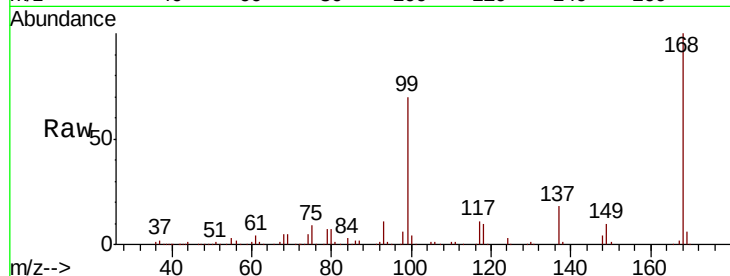
T-11-A3-(0)

Tgt Ion: 168 Resp: 169626

Ion Ratio Lower Upper

168 100

99 70.0 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

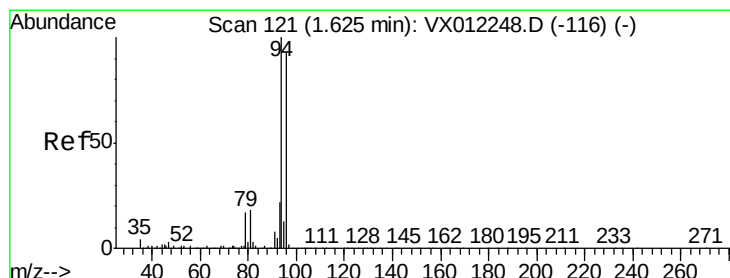
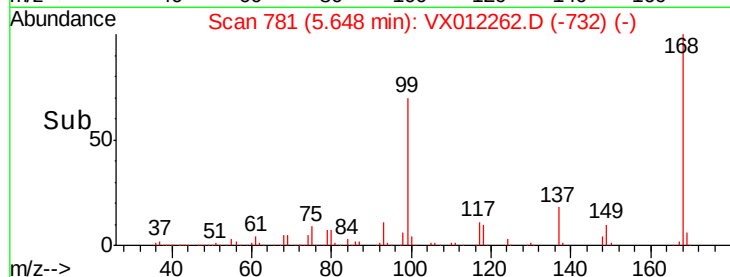
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX012262.D

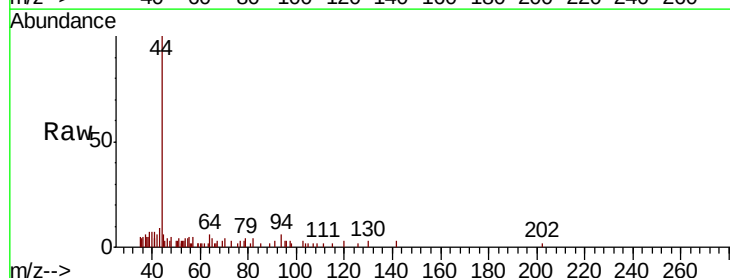
Acq: 10 Sep 2019 18:19

Tgt Ion: 94 Resp: 309

Ion Ratio Lower Upper

94 100

96 8.9 74.0 111.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

200

150

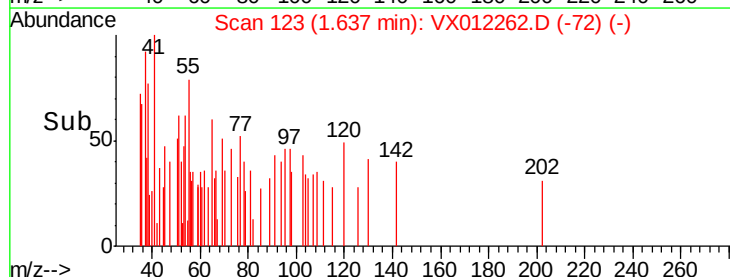
100

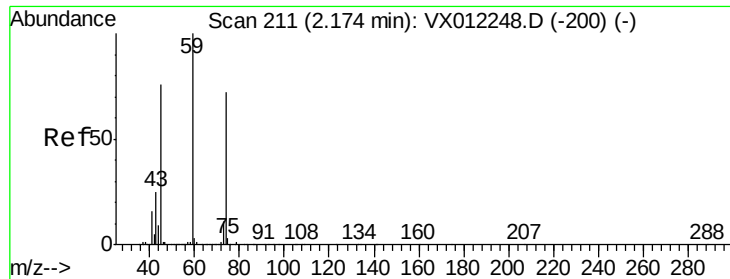
50

0

Time-->

1.60 1.62 1.64 1.66





#8

Diethyl Ether

Concen: 1.549 ug/l

RT: 2.18 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX012262.D

Acq: 10 Sep 2019 18:19

Instrument :

MSVOA_X

ClientSampled :

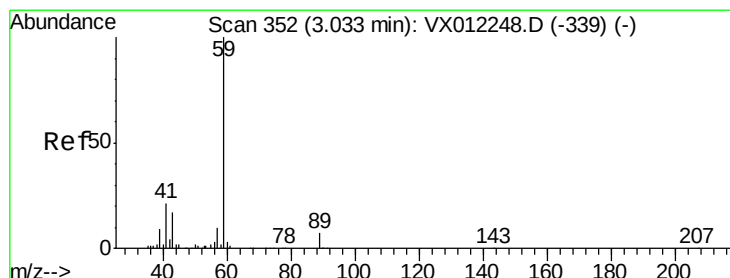
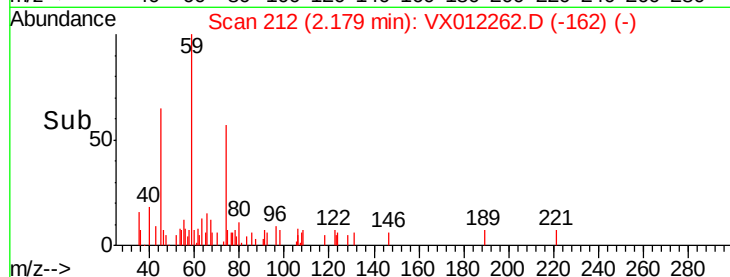
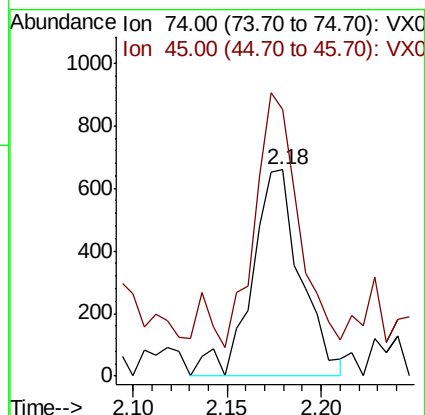
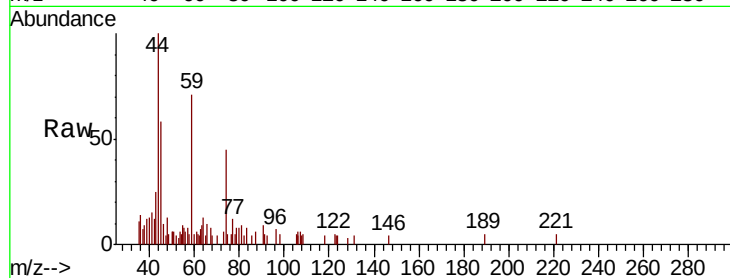
T-11-A3-(0)

Tgt Ion: 74 Resp: 1186

Ion Ratio Lower Upper

74 100

45 107.8 51.3 153.9



#11

Tert butyl alcohol

Concen: Below Cal

RT: 3.01 min Scan# 349

Delta R.T. -0.02 min

Lab File: VX012262.D

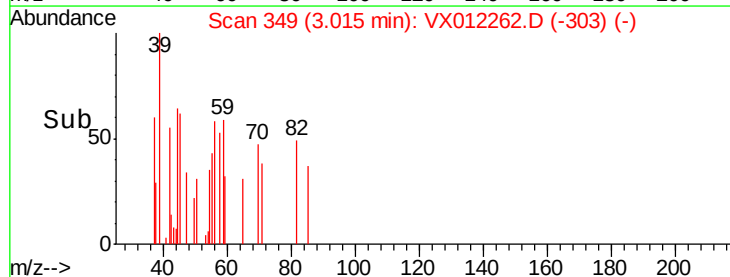
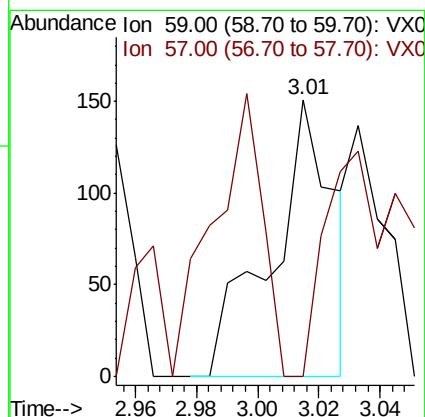
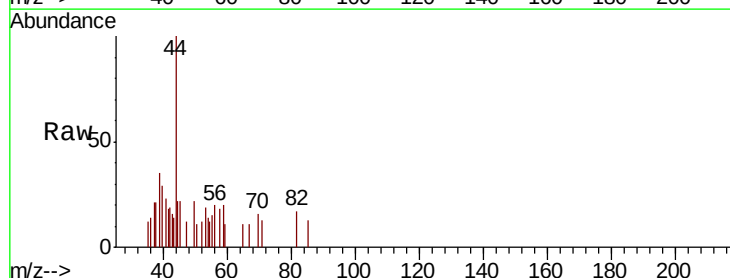
Acq: 10 Sep 2019 18:19

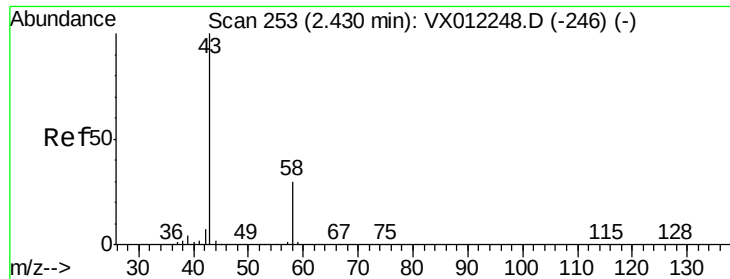
Tgt Ion: 59 Resp: 211

Ion Ratio Lower Upper

59 100

57 97.6 7.8 11.6#





#16

Acetone

Concen: 3.403 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012262.D

Acq: 10 Sep 2019 18:19

Instrument :

MSVOA_X

ClientSampleId :

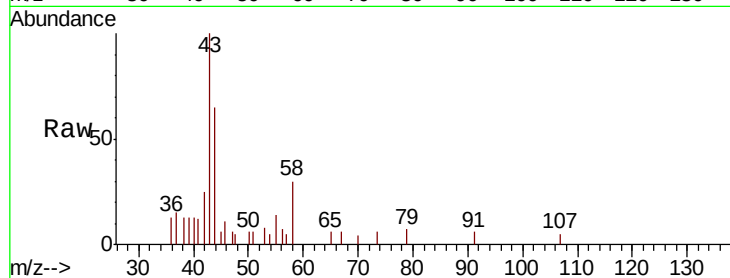
T-11-A3-(0)

Tgt Ion: 43 Resp: 1932

Ion Ratio Lower Upper

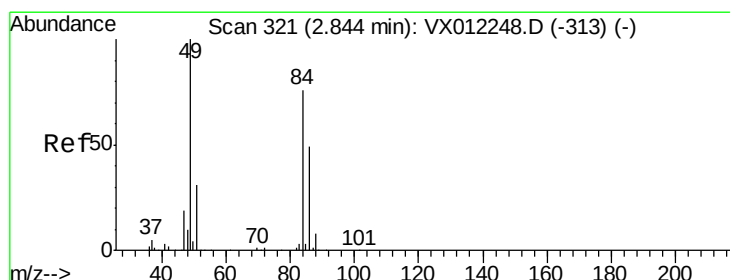
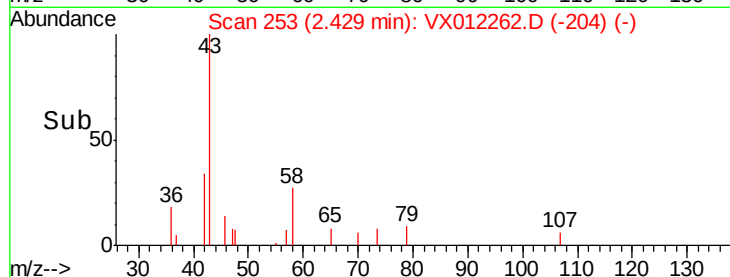
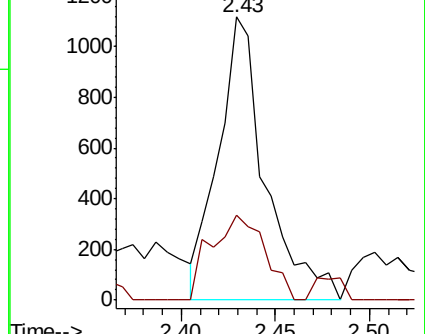
43 100

58 30.1 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: 3.172 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX012262.D

Acq: 10 Sep 2019 18:19

Tgt Ion: 84 Resp: 9990

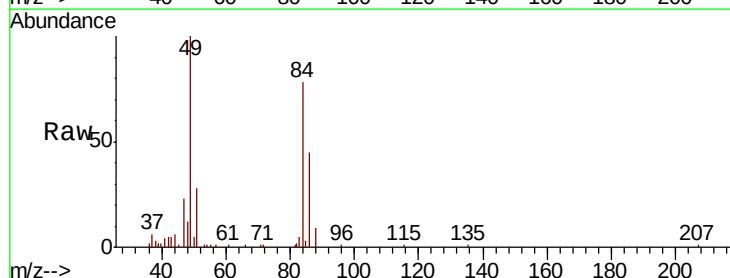
Ion Ratio Lower Upper

84 100

49 127.3 105.0 157.6

51 34.6 32.6 48.8

86 57.4 51.8 77.6

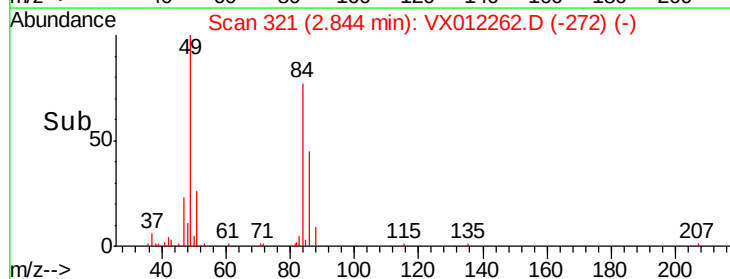
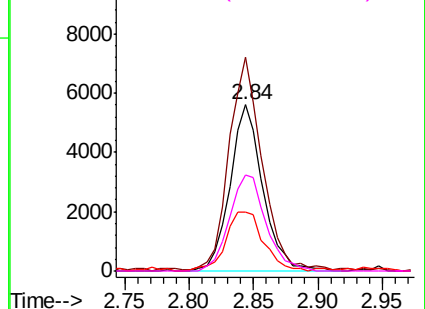


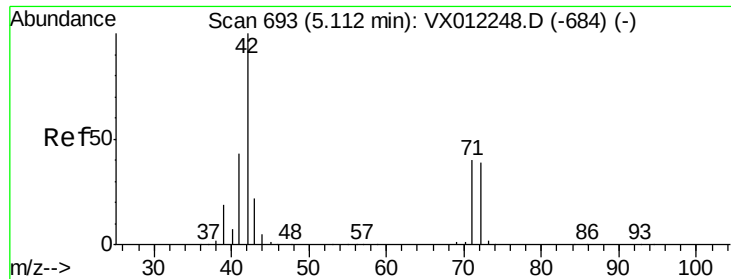
Abundance Ion 83.90 (83.60 to 84.60): VX0

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: 8.624 ug/l

RT: 5.14 min Scan# 697

Delta R.T. 0.02 min

Lab File: VX012262.D

Acq: 10 Sep 2019 18:19

Instrument :

MSVOA_X

ClientSampled :

T-11-A3-(0)

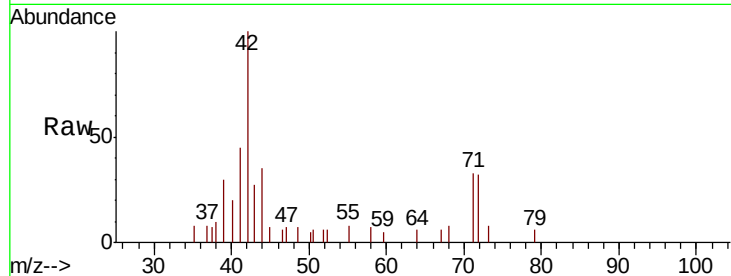
Tgt Ion: 42 Resp: 3377

Ion Ratio Lower Upper

42 100

72 0.0 35.2 52.8#

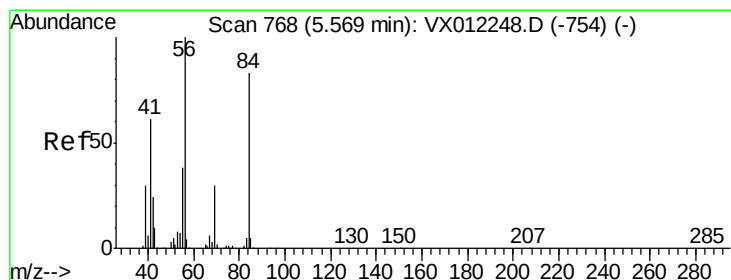
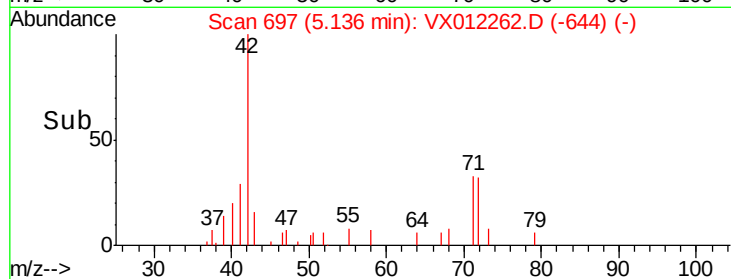
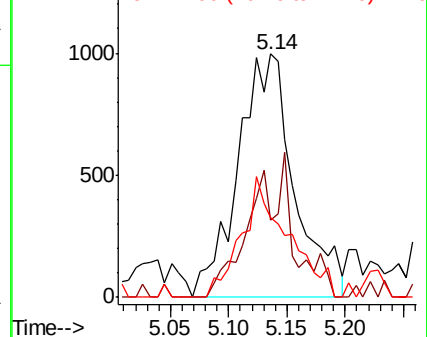
71 40.3 32.5 48.7



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: 2.121 ug/l

RT: 5.64 min Scan# 780

Delta R.T. 0.07 min

Lab File: VX012262.D

Acq: 10 Sep 2019 18:19

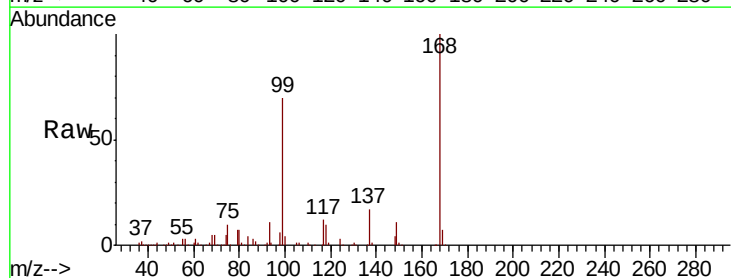
Tgt Ion: 56 Resp: 4722

Ion Ratio Lower Upper

56 100

69 179.1 23.8 35.6#

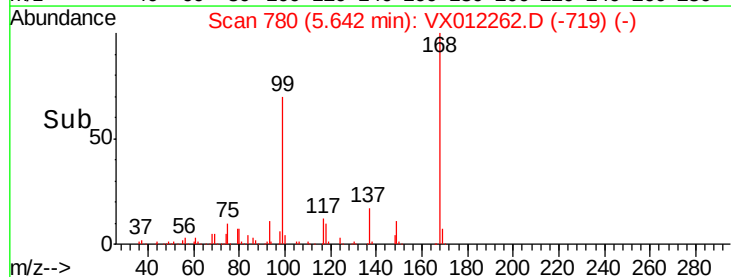
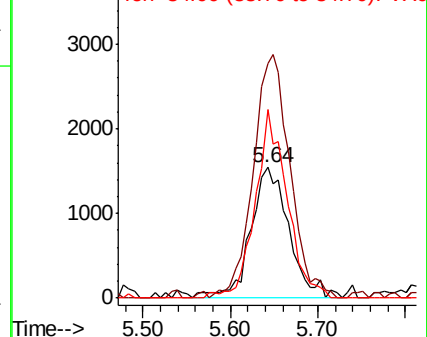
84 144.0 66.6 100.0#

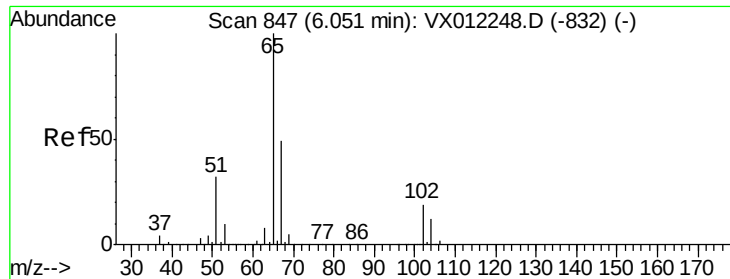


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

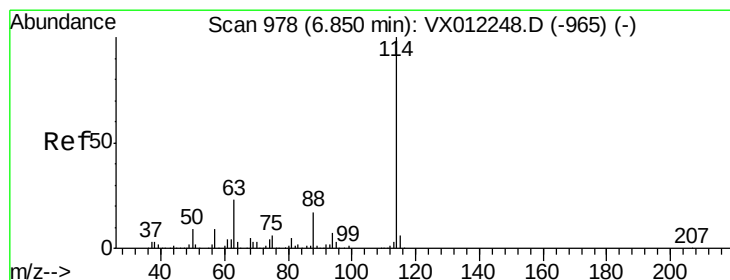
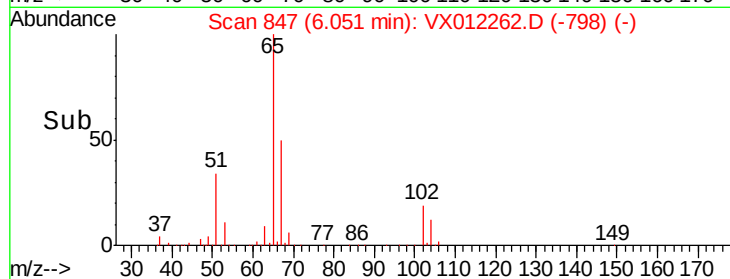
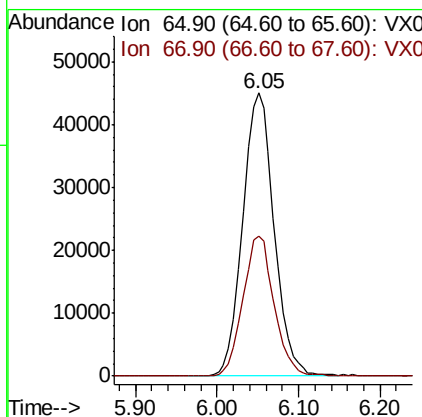
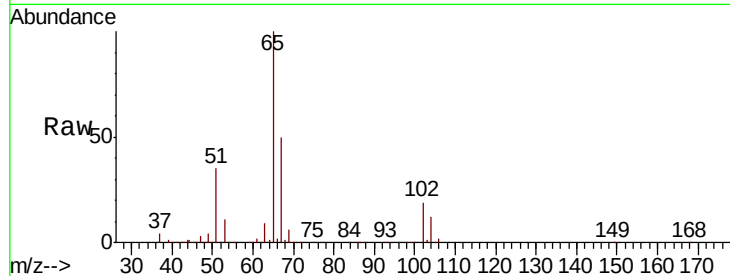




#33
 1,2-Dichloroethane-d4
 Concen: 50.220 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012262.D
 Acq: 10 Sep 2019 18:19

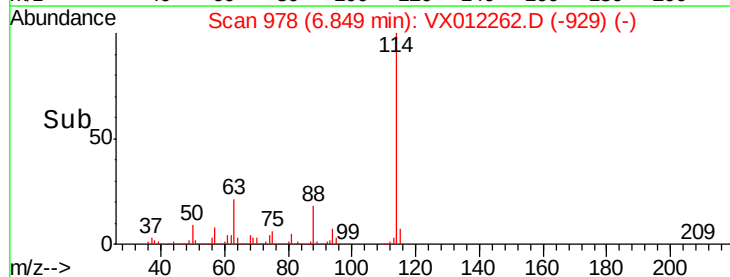
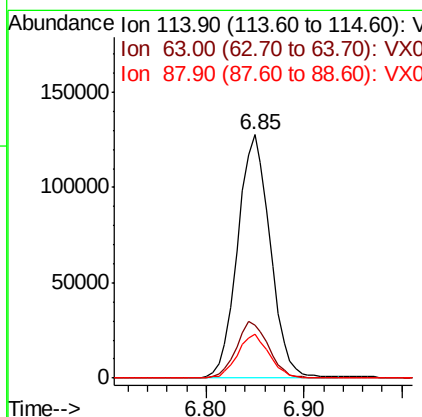
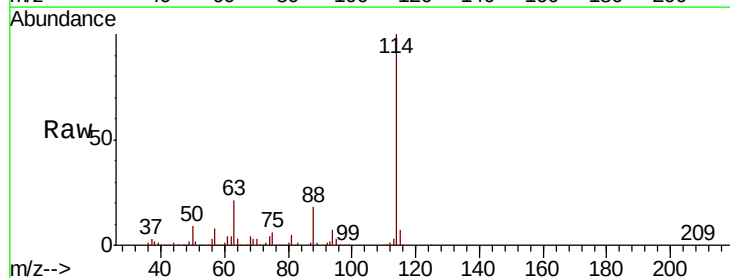
Instrument :
 MSVOA_X
 ClientSampled :
 T-11-A3-(0)

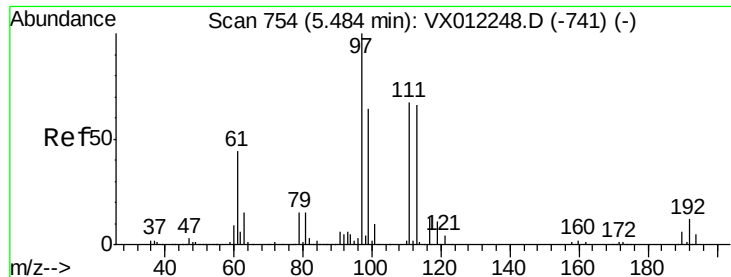
Tgt Ion: 65 Resp: 120437
 Ion Ratio Lower Upper
 65 100
 67 49.3 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012262.D
 Acq: 10 Sep 2019 18:19

Tgt Ion: 114 Resp: 296244
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 45.2
 88 18.1 0.0 34.8





#35

Dibromofluoromethane

Concen: 48.120 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012262.D

Acq: 10 Sep 2019 18:19

Instrument :

MSVOA_X

ClientSampleId :

T-11-A3-(0)

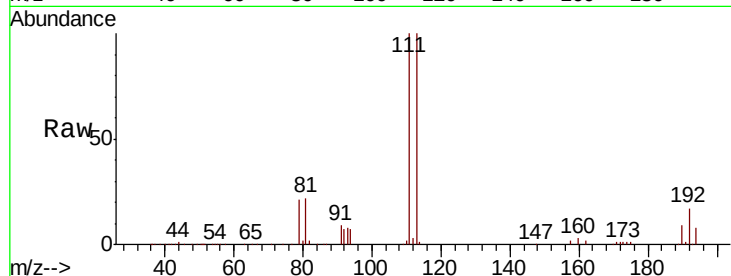
Tgt Ion:113 Resp: 91382

Ion Ratio Lower Upper

113 100

111 102.9 83.0 124.6

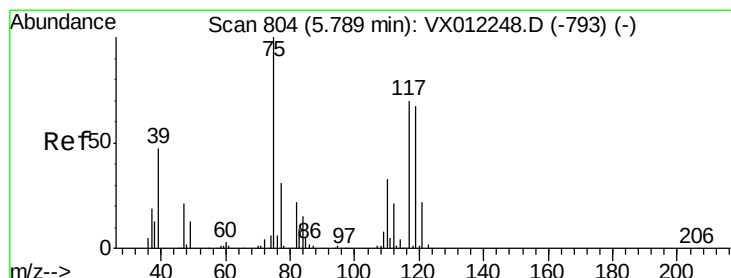
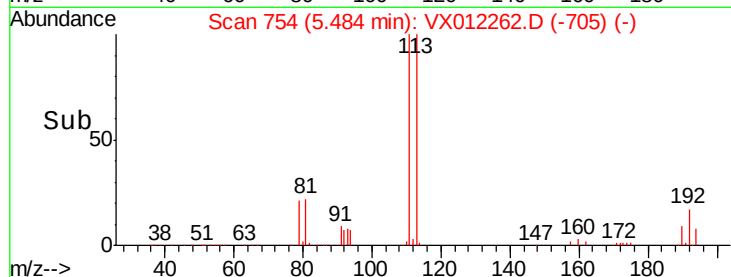
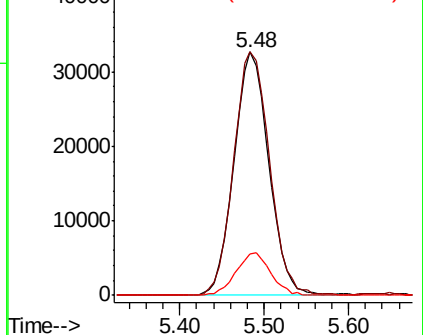
192 17.3 14.3 21.5



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: 7.379 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012262.D

Acq: 10 Sep 2019 18:19

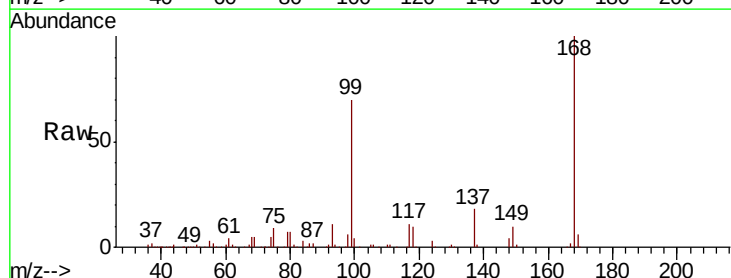
Tgt Ion: 75 Resp: 15939

Ion Ratio Lower Upper

75 100

110 9.7 16.8 50.4#

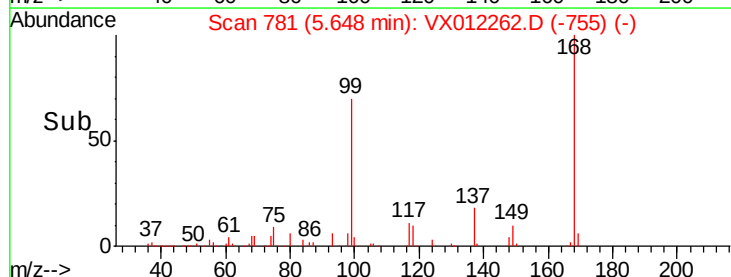
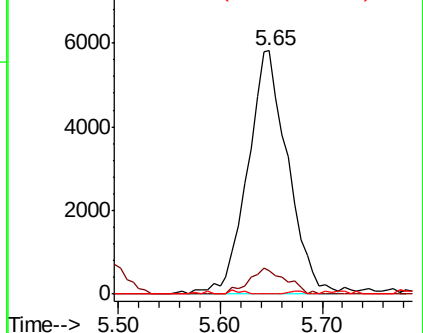
77 0.0 24.5 36.7#

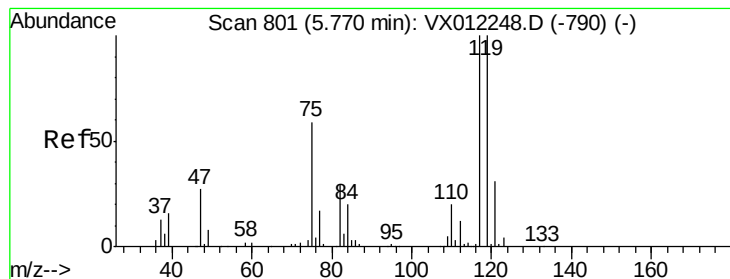


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.964 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.12 min

Lab File: VX012262.D

Acq: 10 Sep 2019 18:19

Instrument :

MSVOA_X

ClientSampled :

T-11-A3-(0)

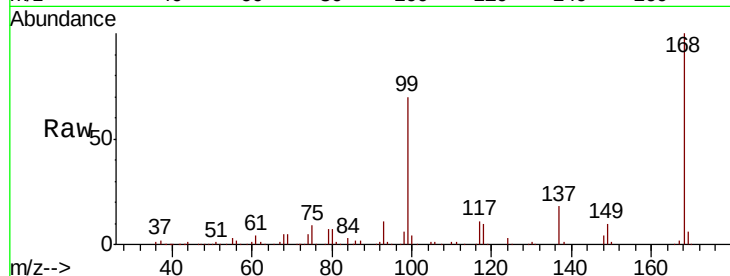
Tgt Ion:117 Resp: 20183

Ion Ratio Lower Upper

117 100

119 4.2 79.6 119.4#

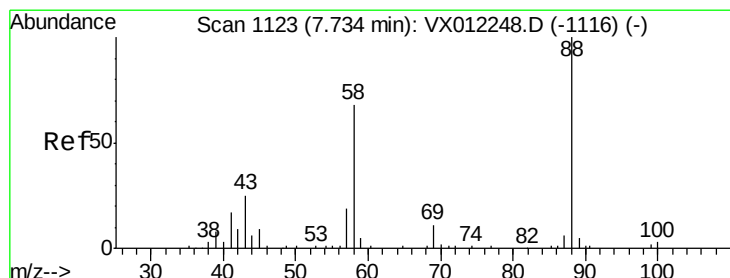
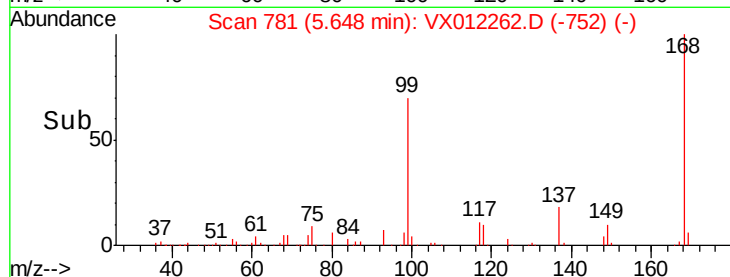
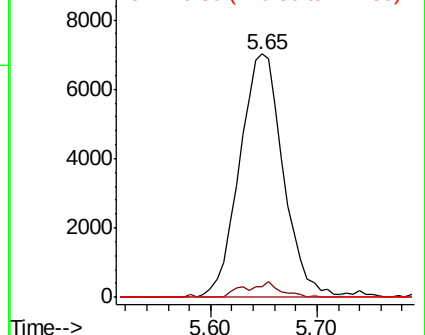
121 0.0 24.7 37.1#



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: 1.155 ug/l

RT: 7.83 min Scan# 1139

Delta R.T. 0.10 min

Lab File: VX012262.D

Acq: 10 Sep 2019 18:19

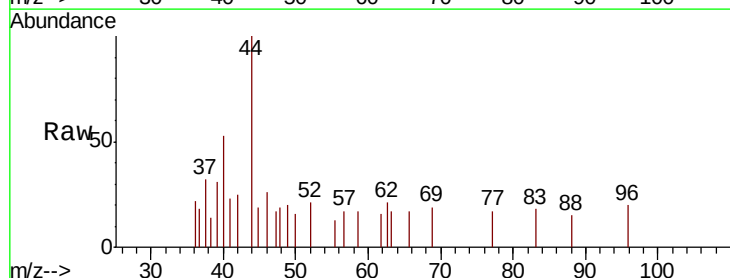
Tgt Ion: 88 Resp: 21

Ion Ratio Lower Upper

88 100

43 381.0 31.0 46.4#

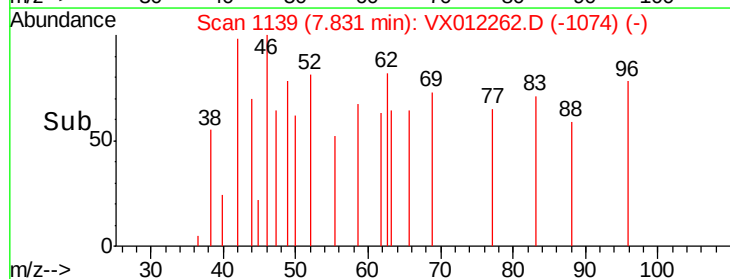
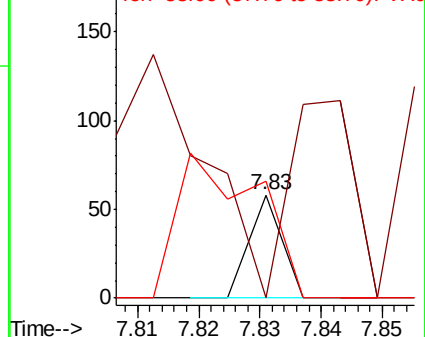
58 0.0 61.5 92.3#

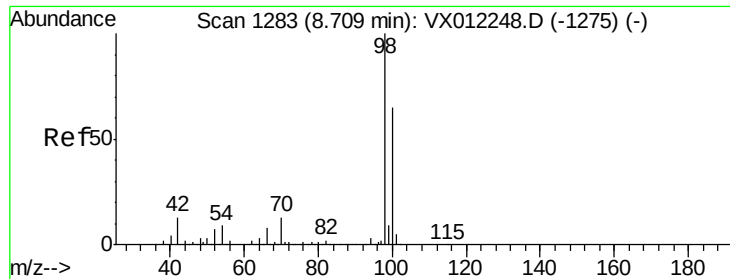


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

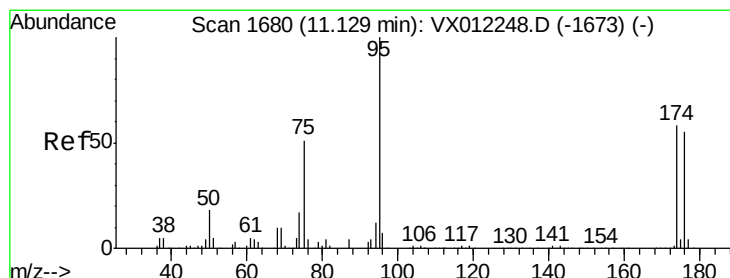
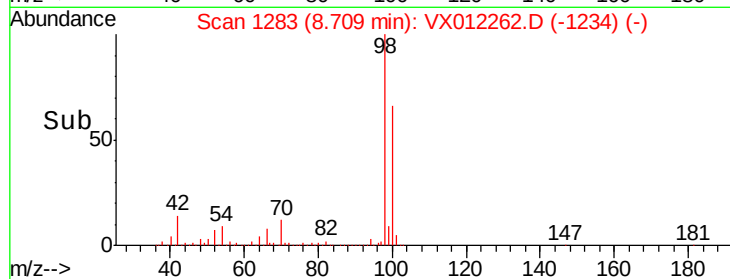
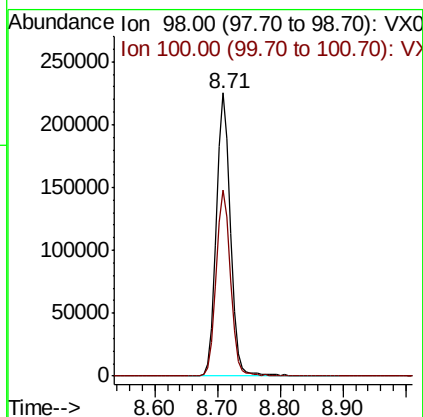
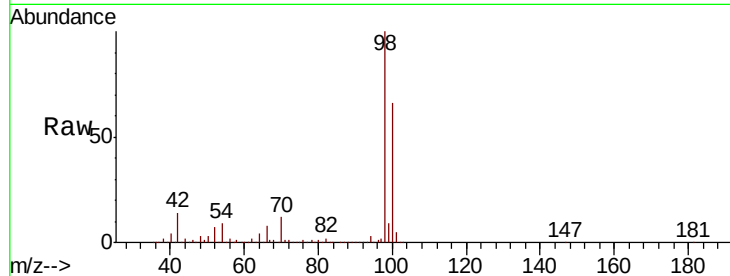




#50
Toluene-d8
Concen: 52.950 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012262.D
Acq: 10 Sep 2019 18:19

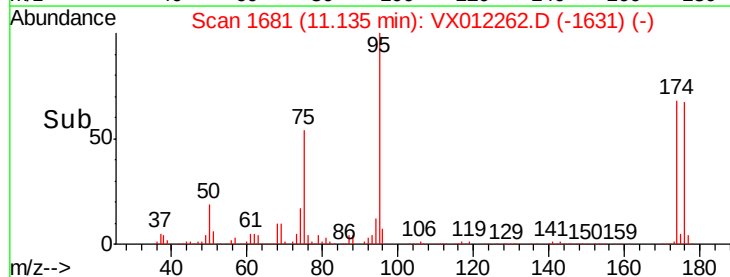
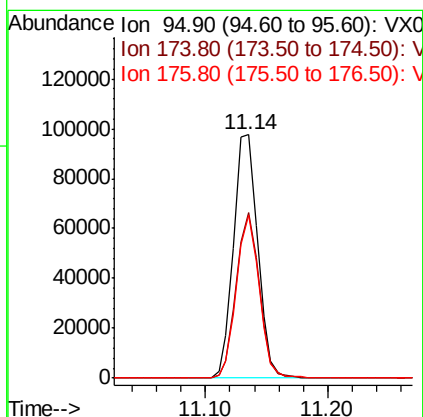
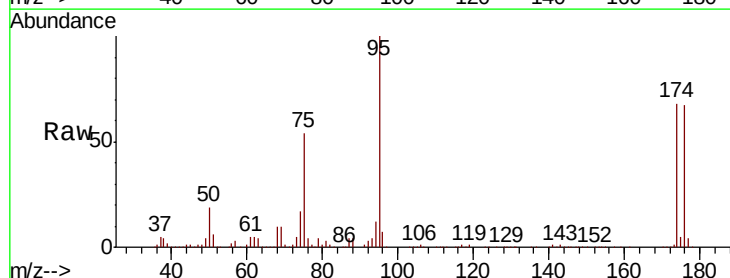
Instrument :
MSVOA_X
ClientSampleId :
T-11-A3-(0)

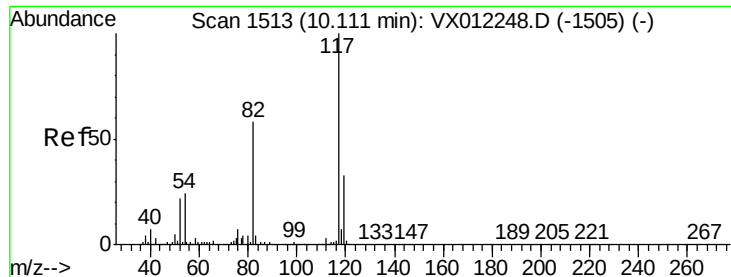
Tgt Ion: 98 Resp: 352683
Ion Ratio Lower Upper
98 100
100 66.5 54.1 81.1



#62
4-Bromofluorobenzene
Concen: 43.198 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX012262.D
Acq: 10 Sep 2019 18:19

Tgt Ion: 95 Resp: 133390
Ion Ratio Lower Upper
95 100
174 64.8 0.0 127.0
176 62.9 0.0 125.8

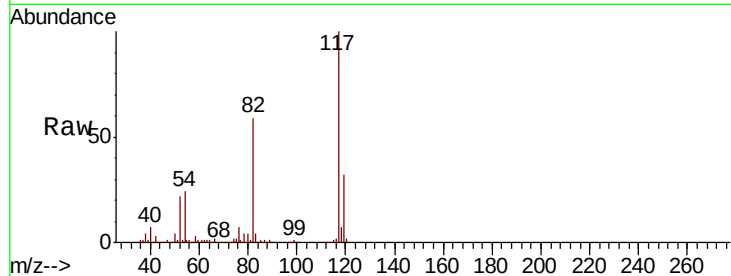




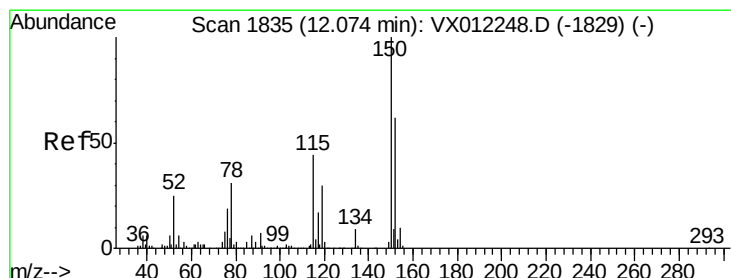
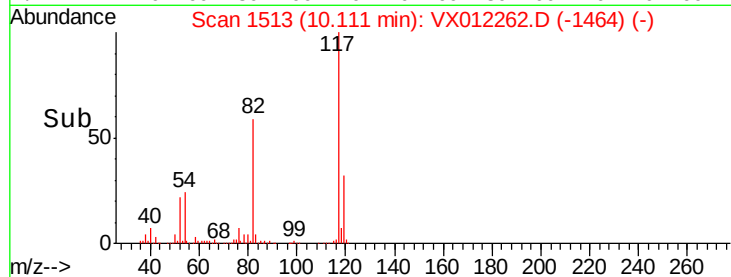
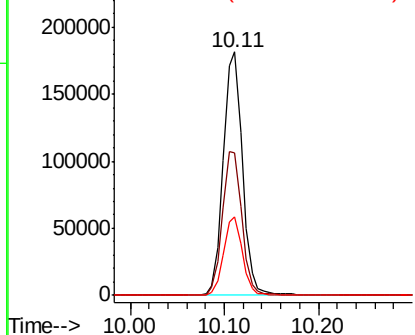
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012262.D
Acq: 10 Sep 2019 18:19

Instrument :
MSVOA_X
ClientSampleId :
T-11-A3-(0)

Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.6	46.4	69.6
119	32.3	26.6	39.8

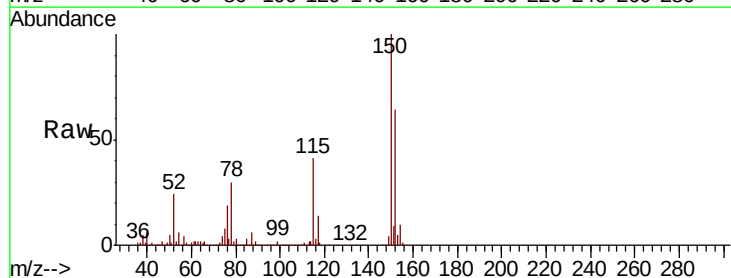


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

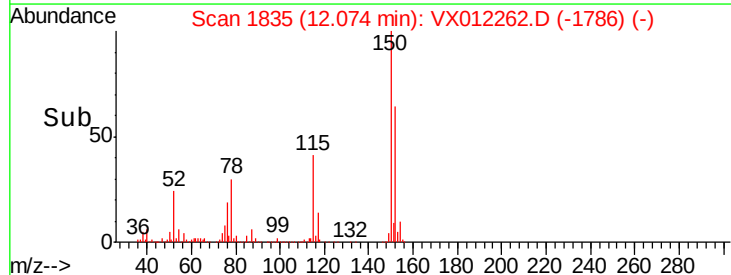
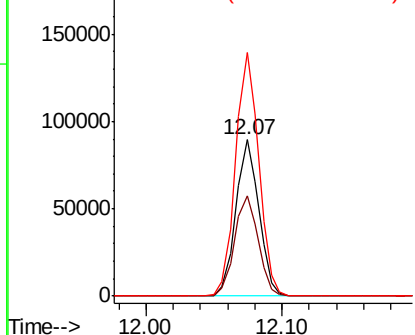


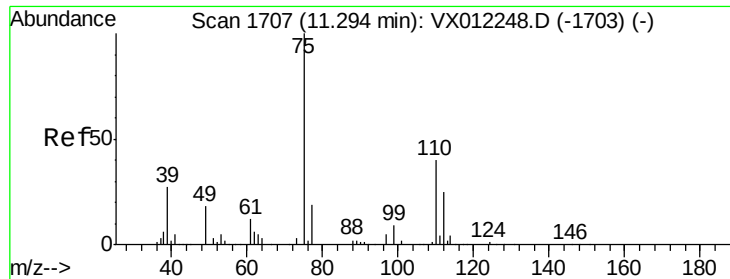
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012262.D
Acq: 10 Sep 2019 18:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	66.0	45.5	136.4
150	157.4	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: 51.566 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012262.D

Acq: 10 Sep 2019 18:19

Instrument :

MSVOA_X

ClientSampleId :

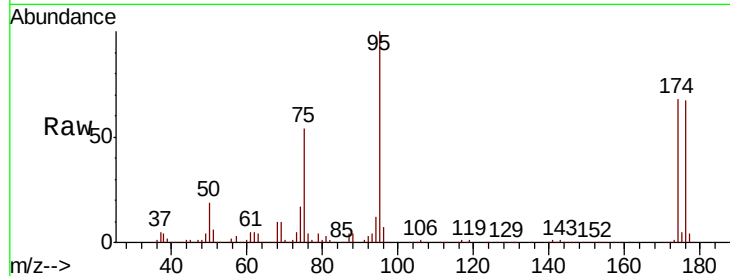
T-11-A3-(0)

Tgt Ion: 75 Resp: 69939

Ion Ratio Lower Upper

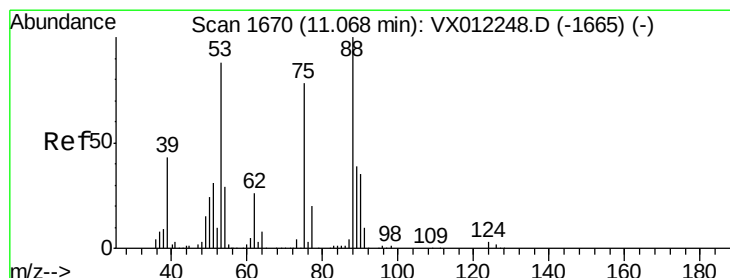
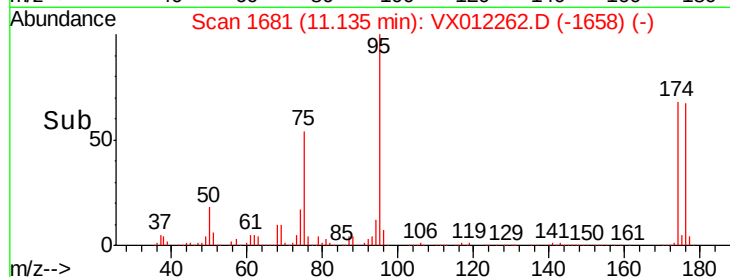
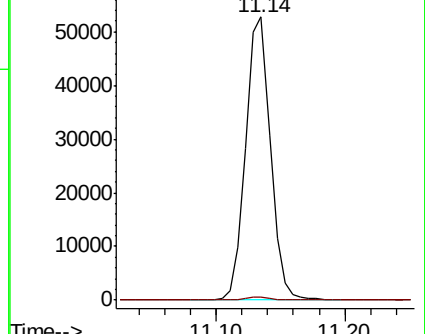
75 100

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: 154.504 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012262.D

Acq: 10 Sep 2019 18:19

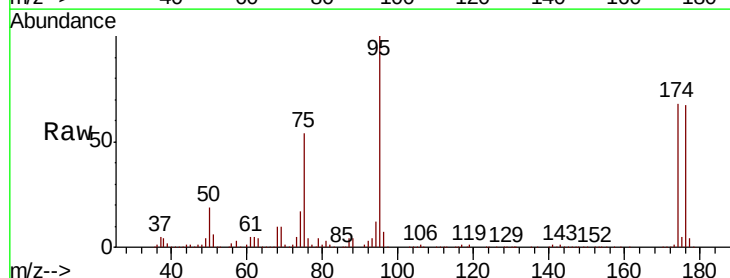
Tgt Ion: 75 Resp: 69939

Ion Ratio Lower Upper

75 100

53 0.2 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

