

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091019\
 Data File : VX012277.D
 Acq On : 11 Sep 2019 02:11
 Operator : SY/SP
 Sample : K4643-03
 Misc : 3.84g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T11-B2-(0)

Quant Time: Sep 11 03:28:14 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	165198	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	293591	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	255022	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	108775	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	115900	49.62	ug/l	0.00
Spiked Amount			Recovery	=	99.24%	
35) Dibromofluoromethane	5.49	113	88149	46.84	ug/l	0.00
Spiked Amount			Recovery	=	93.68%	
50) Toluene-d8	8.71	98	350411	53.08	ug/l	0.00
Spiked Amount			Recovery	=	106.16%	
62) 4-Bromofluorobenzene	11.14	95	134055	43.81	ug/l	0.00
Spiked Amount			Recovery	=	87.62%	

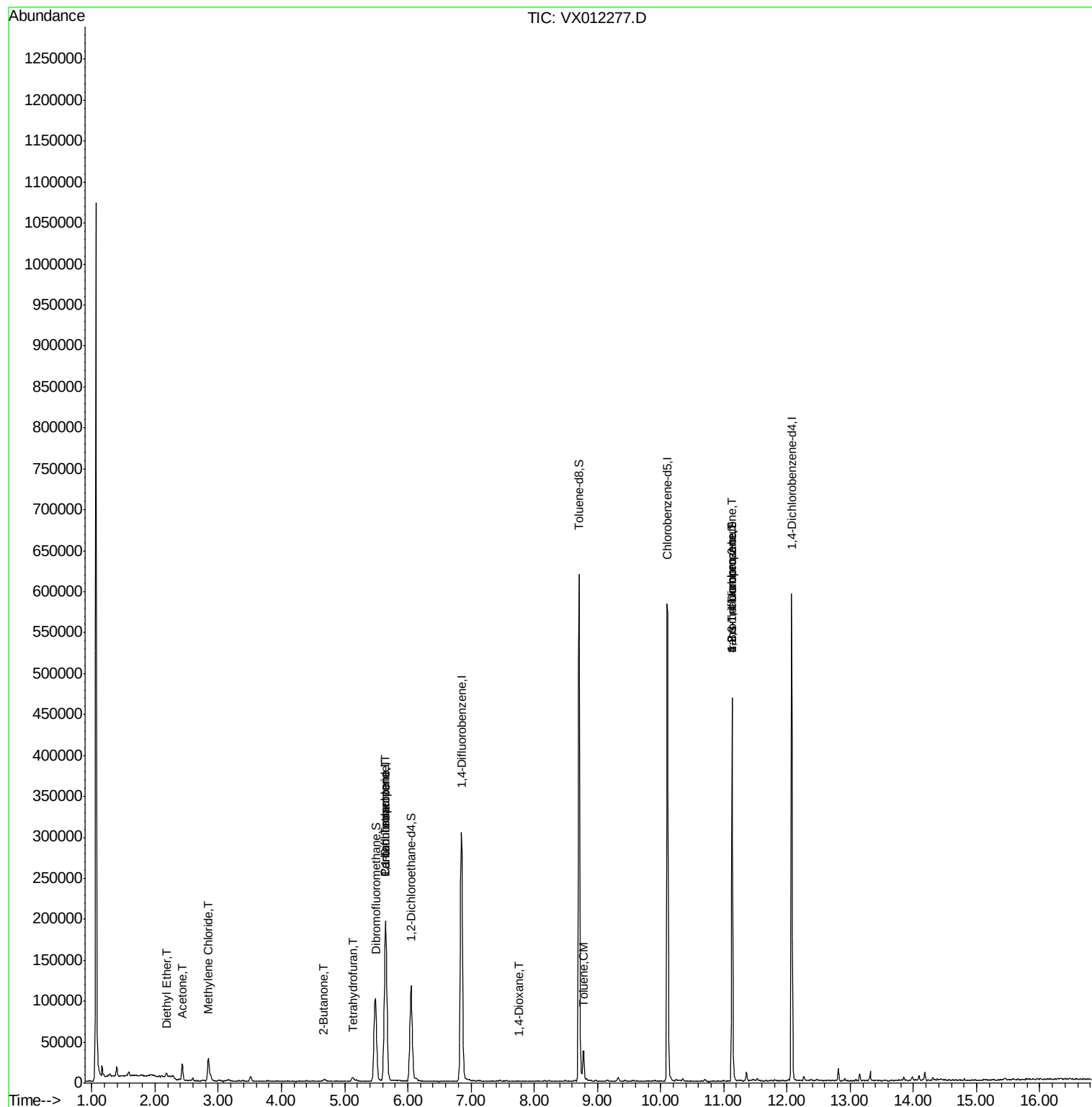
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	403	Below Cal		99
8) Diethyl Ether	2.18	74	1658	2.224	ug/l	70
11) Tert butyl alcohol	3.02	59	1061	Below Cal	#	94
16) Acetone	2.43	43	22234	40.213	ug/l	96
20) Methylene Chloride	2.84	84	11894	4.497	ug/l	97
25) 2-Butanone	4.67	43	2357	3.335	ug/l	# 86
29) Tetrahydrofuran	5.13	42	4891	12.825	ug/l	96
36) 1,1-Dichloropropene	5.65	75	15476	7.229	ug/l	# 52
38) Carbon Tetrachloride	5.65	117	19559	7.787	ug/l	# 14
49) 1,4-Dioxane	7.75	88	19	1.054	ug/l	# 1
52) Toluene	8.78	92	13151	3.073	ug/l	97
76) 1,2,3-Trichloropropane	11.13	75	70724	50.612	ug/l	# 38
81) trans-1,4-Dichloro-2-buten	11.13	75	70724	151.645	ug/l	# 5

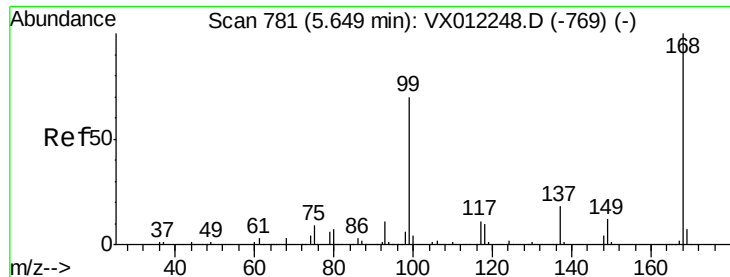
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX091019\
Data File : VX012277.D
Acq On : 11 Sep 2019 02:11
Operator : SY/SP
Sample : K4643-03
Misc : 3.84g/5.0mL/MSVOA_X/SOIL
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
T11-B2-(0)

Quant Time: Sep 11 03:28:14 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
Quant Title : SW846 8260
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: VX012277.D

Acq: 11 Sep 2019 02:11

Instrument :

MSVOA_X

ClientSampleId :

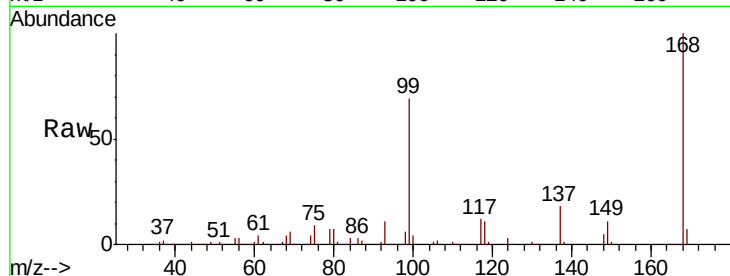
T11-B2-(0)

Tgt Ion: 168 Resp: 165198

Ion Ratio Lower Upper

168 100

99 69.1 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

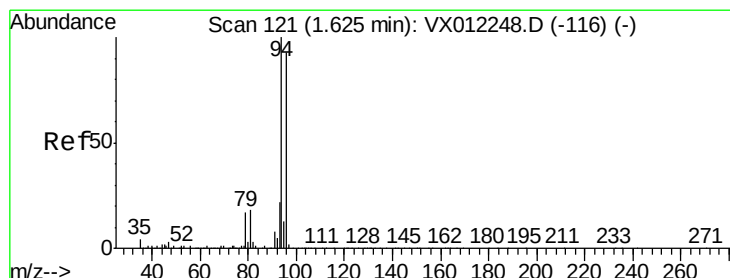
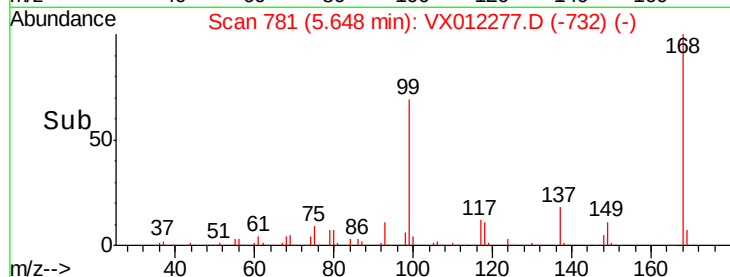
40000

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: VX012277.D

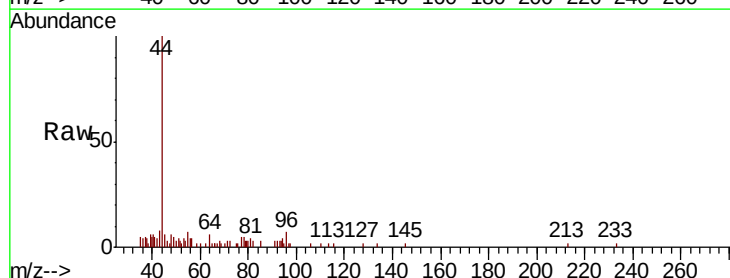
Acq: 11 Sep 2019 02:11

Tgt Ion: 94 Resp: 403

Ion Ratio Lower Upper

94 100

96 91.5 74.0 111.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

250

200

150

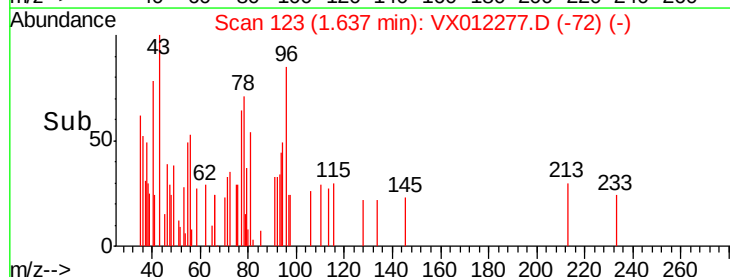
100

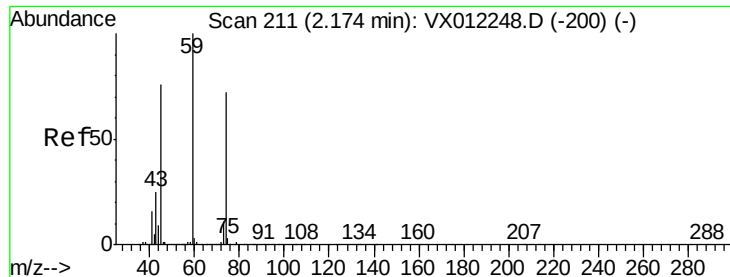
50

0

Time-->

1.60 1.65





#8

Diethyl Ether

Concen: 2.224 ug/l

RT: 2.18 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX012277.D

Acq: 11 Sep 2019 02:11

Instrument :

MSVOA_X

ClientSampleId :

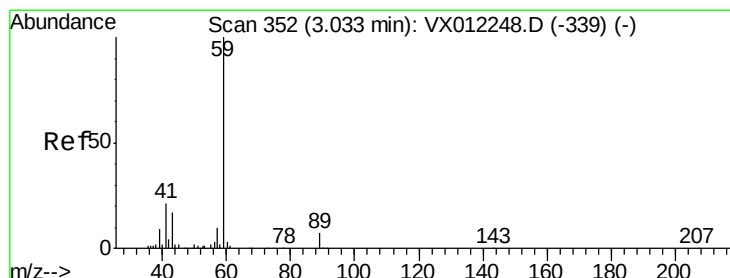
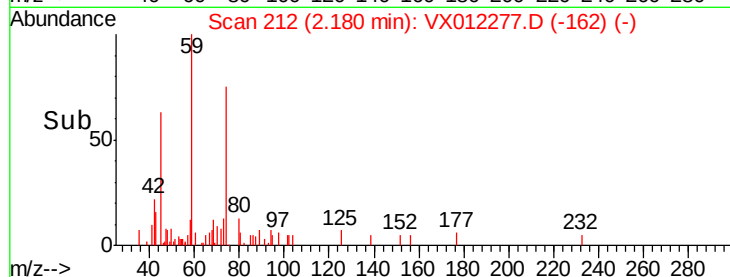
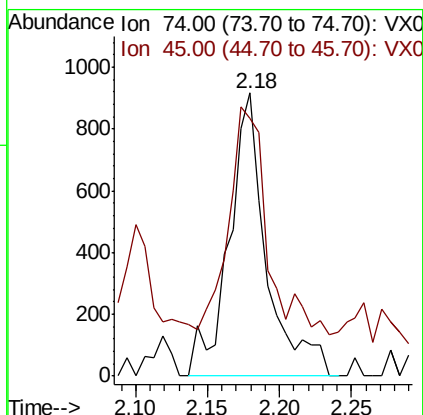
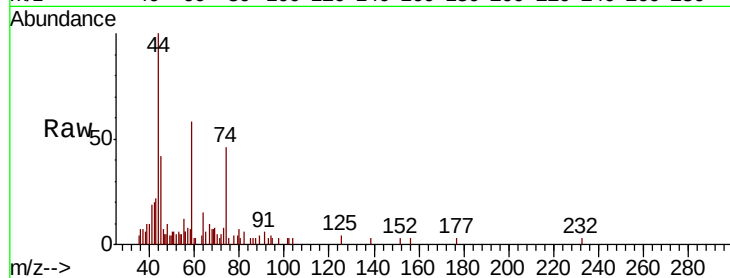
T11-B2-(0)

Tgt Ion: 74 Resp: 1658

Ion Ratio Lower Upper

74 100

45 71.8 51.3 153.9



#11

Tert butyl alcohol

Concen: Below Cal

RT: 3.02 min Scan# 350

Delta R.T. -0.01 min

Lab File: VX012277.D

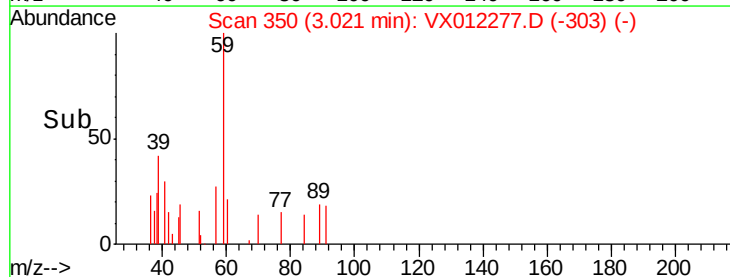
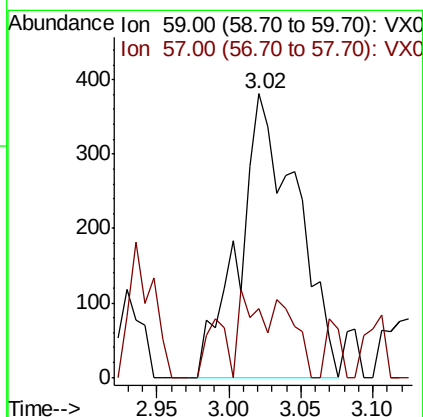
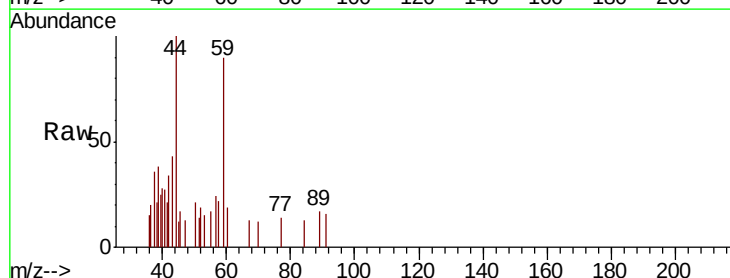
Acq: 11 Sep 2019 02:11

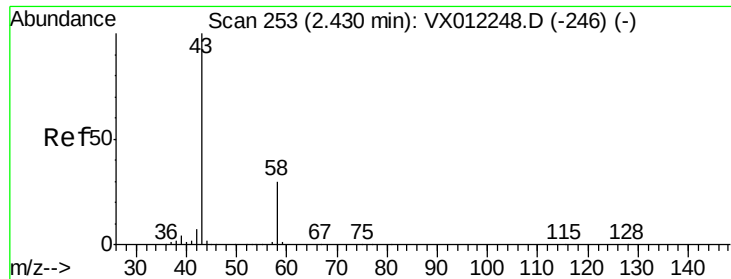
Tgt Ion: 59 Resp: 1061

Ion Ratio Lower Upper

59 100

57 12.1 7.8 11.6#





#16

Acetone

Concen: 40.213 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012277.D

Acq: 11 Sep 2019 02:11

Instrument :

MSVOA_X

ClientSampleId :

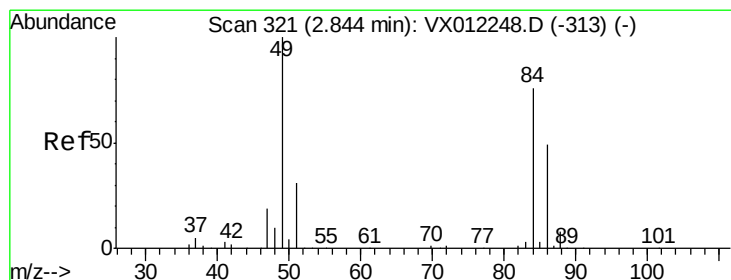
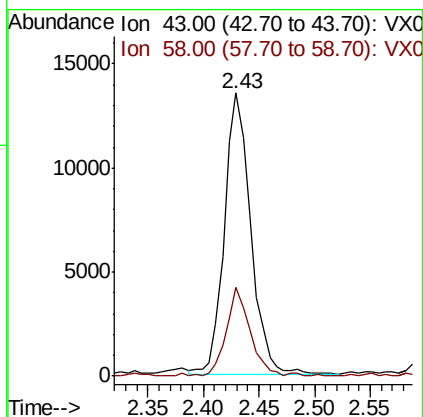
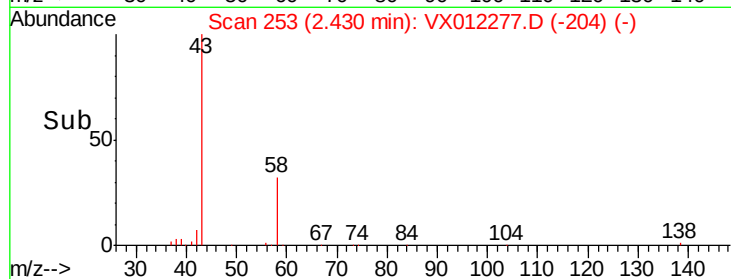
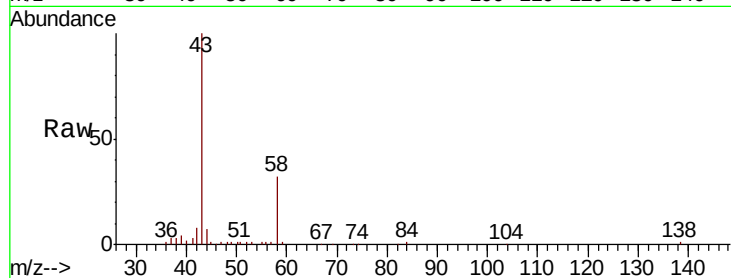
T11-B2-(0)

Tgt Ion: 43 Resp: 22234

Ion Ratio Lower Upper

43 100

58 31.7 23.6 35.4



#20

Methylene Chloride

Concen: 4.497 ug/l

RT: 2.84 min Scan# 321

Delta R.T. 0.00 min

Lab File: VX012277.D

Acq: 11 Sep 2019 02:11

Tgt Ion: 84 Resp: 11894

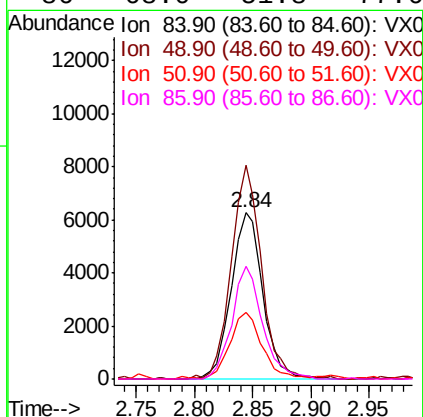
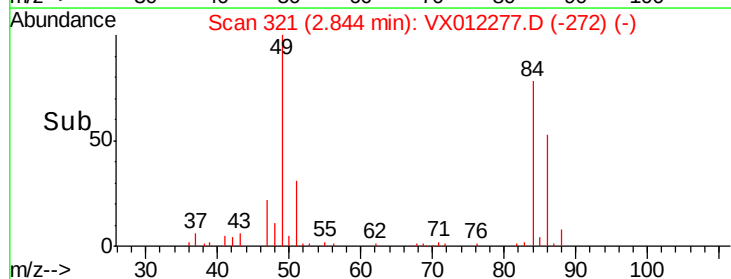
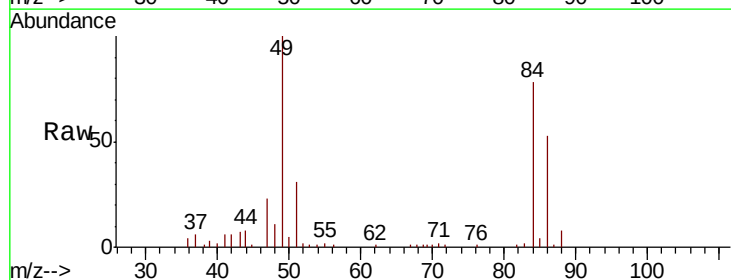
Ion Ratio Lower Upper

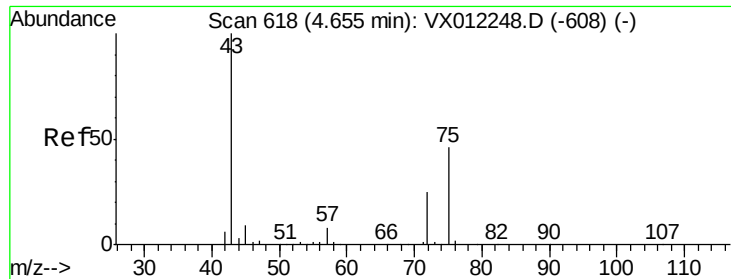
84 100

49 128.6 105.0 157.6

51 38.9 32.6 48.8

86 68.0 51.8 77.6





#25

2-Butanone

Concen: 3.335 ug/l

RT: 4.67 min Scan# 620

Delta R.T. 0.01 min

Lab File: VX012277.D

Acq: 11 Sep 2019 02:11

Instrument :

MSVOA_X

ClientSampleId :

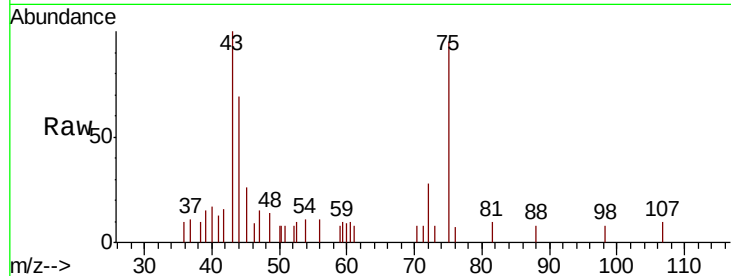
T11-B2-(0)

Tgt Ion: 43 Resp: 2357

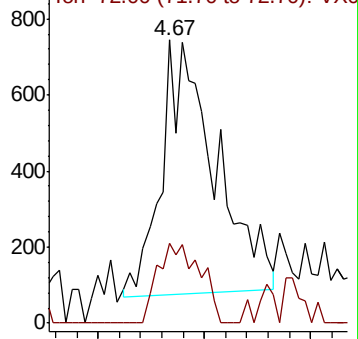
Ion Ratio Lower Upper

43 100

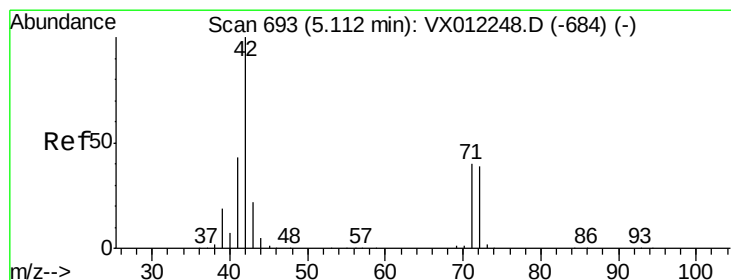
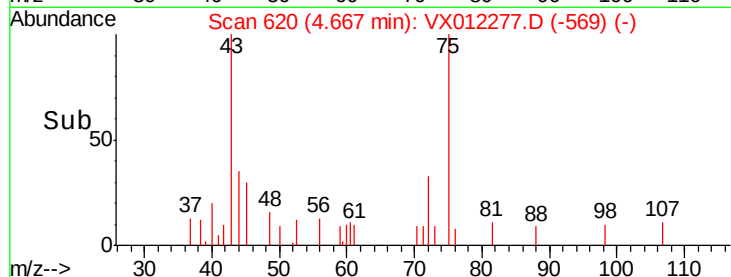
72 32.2 20.2 30.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0



Time-->



#29

Tetrahydrofuran

Concen: 12.825 ug/l

RT: 5.13 min Scan# 696

Delta R.T. 0.02 min

Lab File: VX012277.D

Acq: 11 Sep 2019 02:11

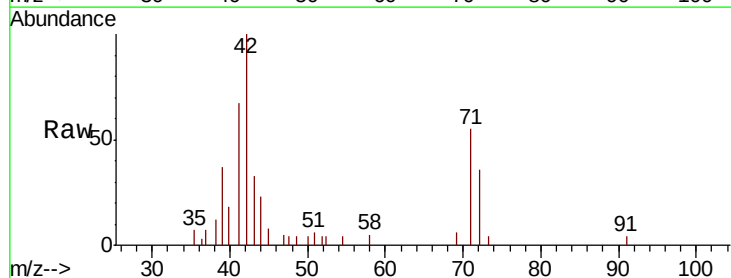
Tgt Ion: 42 Resp: 4891

Ion Ratio Lower Upper

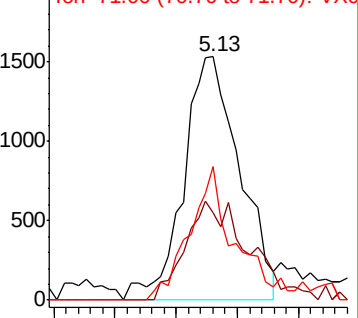
42 100

72 45.7 35.2 52.8

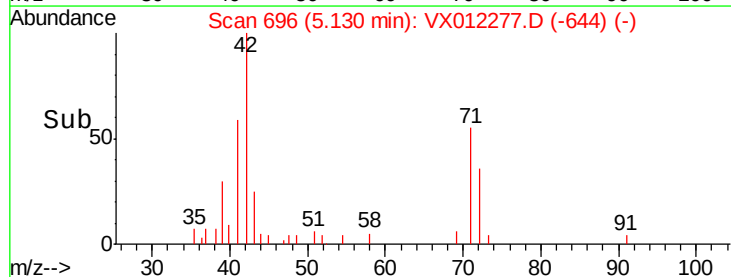
71 44.4 32.5 48.7

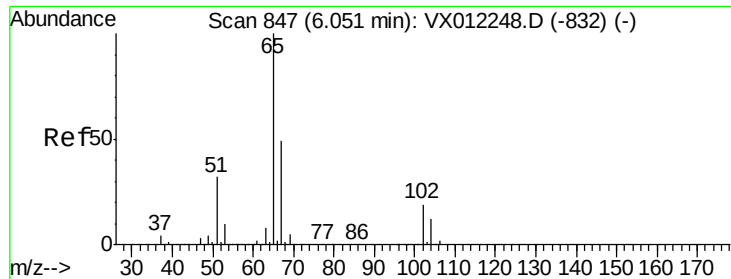


Abundance Ion 42.00 (41.70 to 42.70): VX0



Time-->

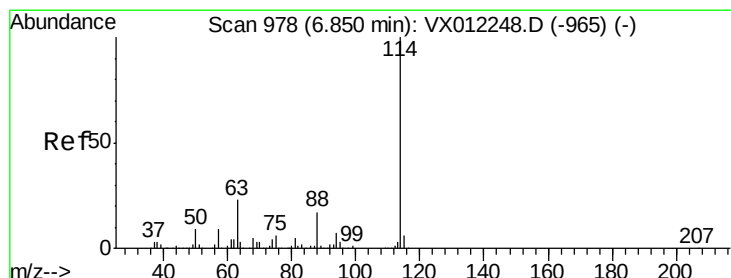
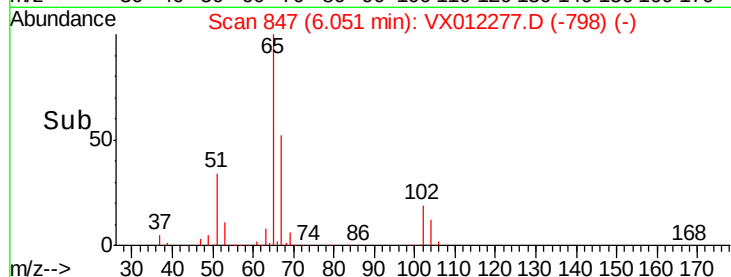
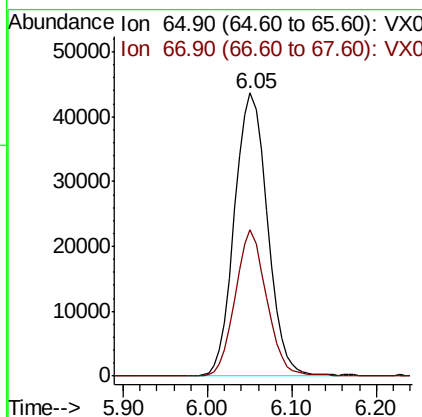
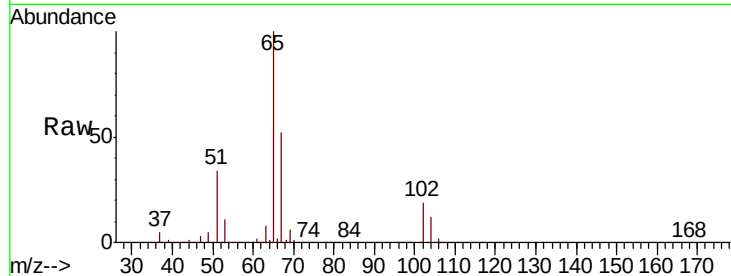




#33
 1,2-Dichloroethane-d4
 Concen: 49.624 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012277.D
 Acq: 11 Sep 2019 02:11

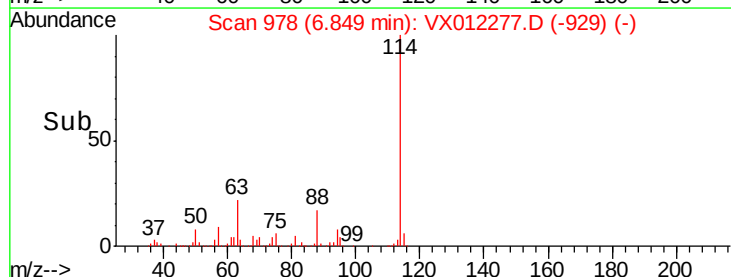
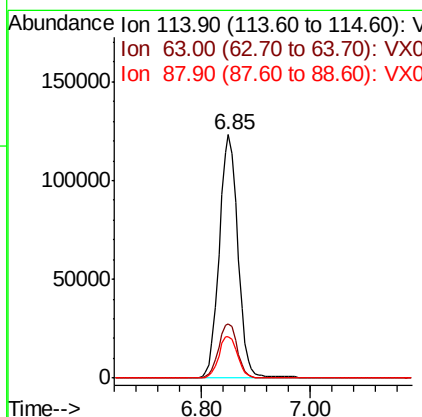
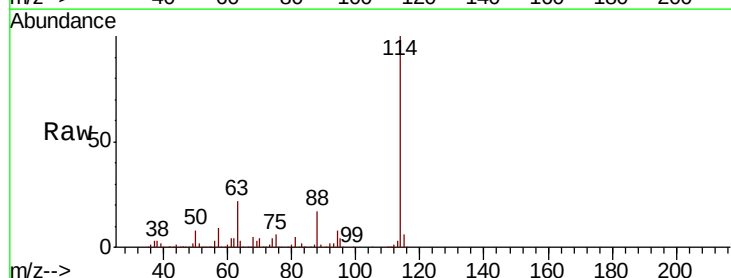
Instrument :
 MSVOA_X
 ClientSampleId :
 T11-B2-(0)

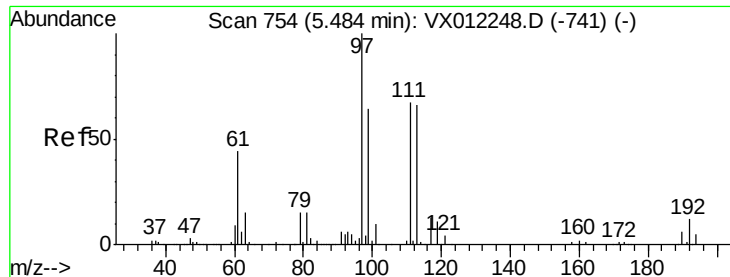
Tgt Ion: 65 Resp: 115900
 Ion Ratio Lower Upper
 65 100
 67 49.3 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012277.D
 Acq: 11 Sep 2019 02:11

Tgt Ion: 114 Resp: 293591
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 45.2
 88 17.1 0.0 34.8





#35

Dibromofluoromethane

Concen: 46.837 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX012277.D

Acq: 11 Sep 2019 02:11

Instrument :

MSVOA_X

ClientSampleId :

T11-B2-(0)

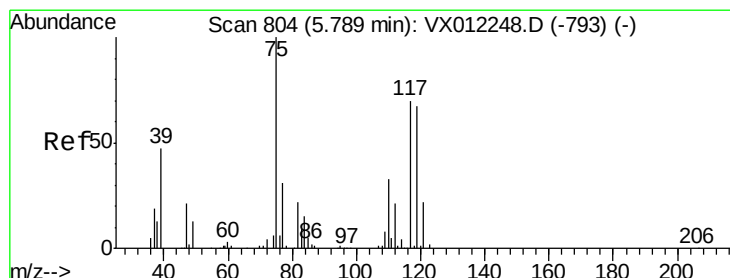
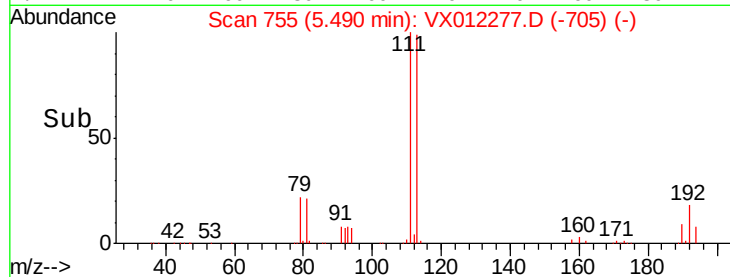
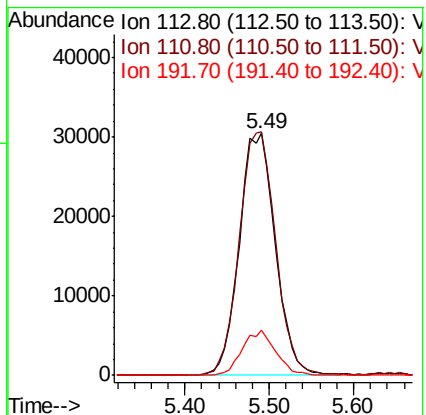
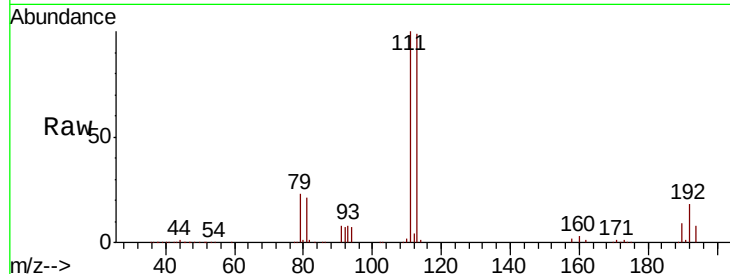
Tgt Ion:113 Resp: 88149

Ion Ratio Lower Upper

113 100

111 101.6 83.0 124.6

192 17.3 14.3 21.5



#36

1,1-Dichloropropene

Concen: 7.229 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012277.D

Acq: 11 Sep 2019 02:11

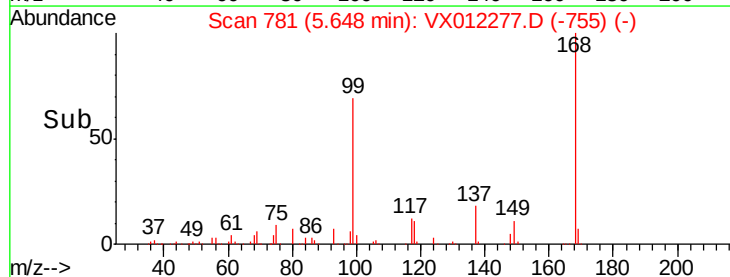
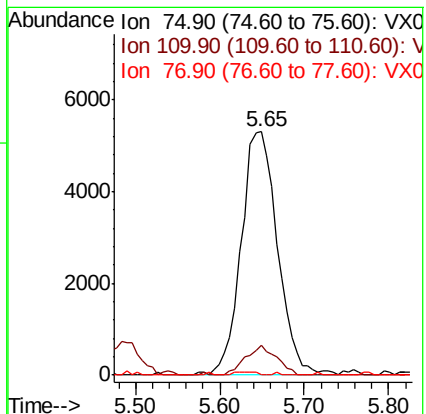
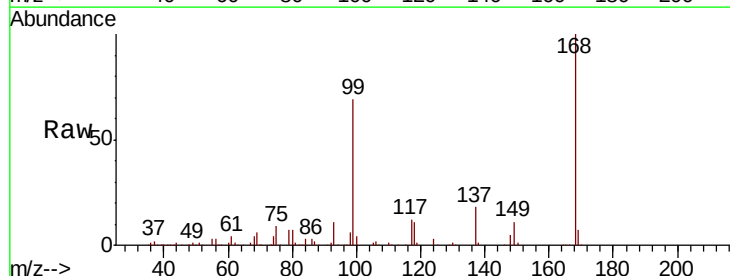
Tgt Ion: 75 Resp: 15476

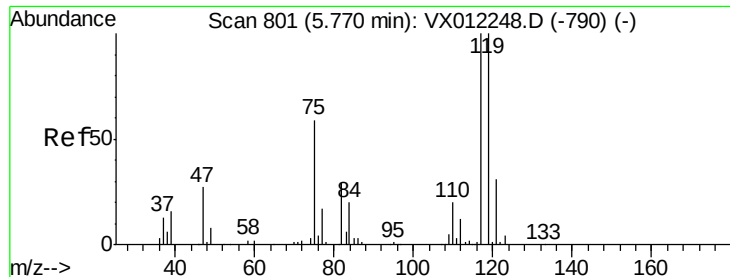
Ion Ratio Lower Upper

75 100

110 10.5 16.8 50.4#

77 0.1 24.5 36.7#

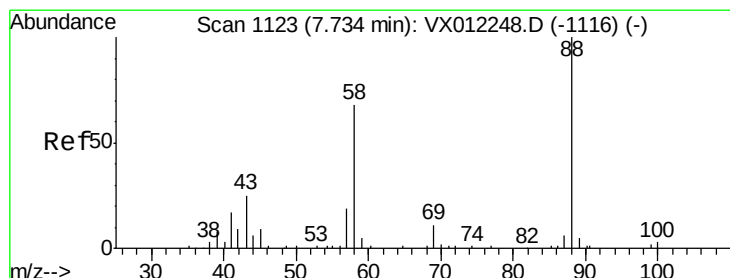
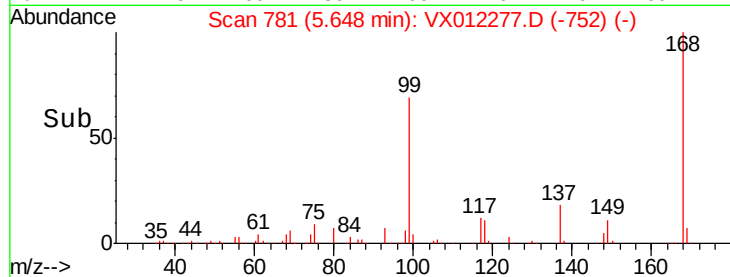
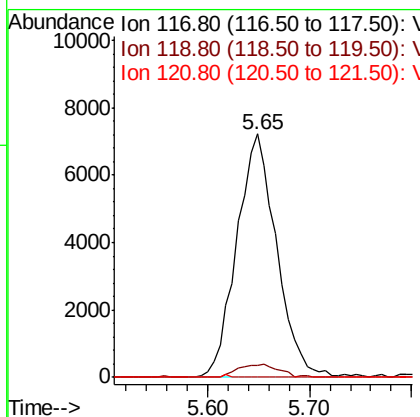
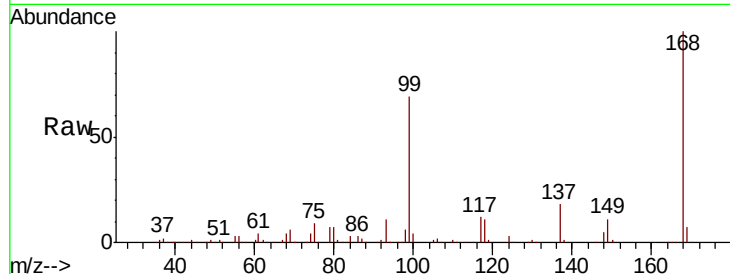




#38
 Carbon Tetrachloride
 Concen: 7.787 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.12 min
 Lab File: VX012277.D
 Acq: 11 Sep 2019 02:11

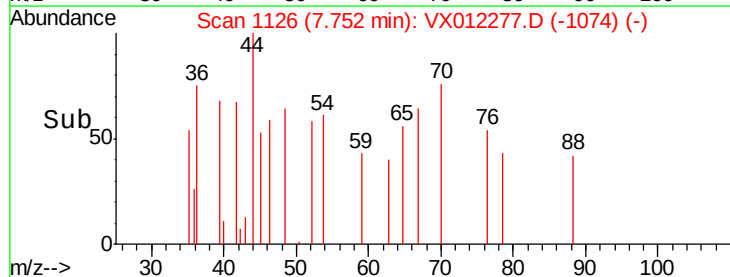
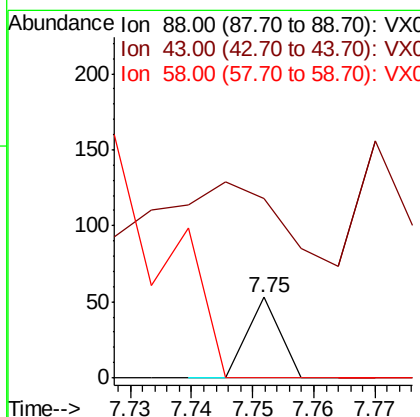
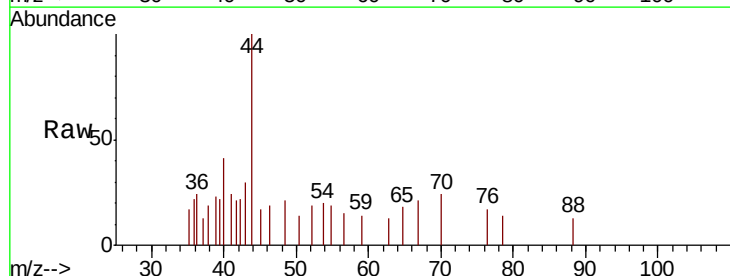
Instrument :
 MSVOA_X
 ClientSampleId :
 T11-B2-(0)

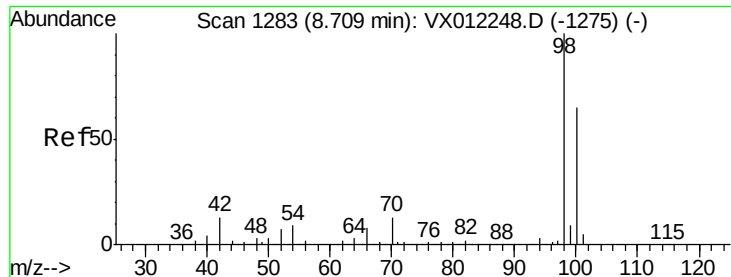
Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	79.6	119.4#
121	0.0	24.7	37.1#



#49
 1,4-Dioxane
 Concen: 1.054 ug/l
 RT: 7.75 min Scan# 1126
 Delta R.T. 0.02 min
 Lab File: VX012277.D
 Acq: 11 Sep 2019 02:11

Tgt Ion	Ratio	Lower	Upper
88	100		
43	521.1	31.0	46.4#
58	0.0	61.5	92.3#

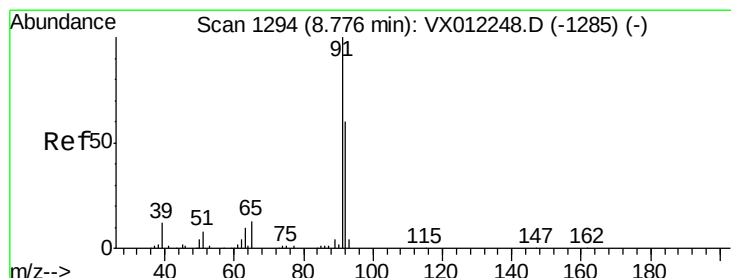
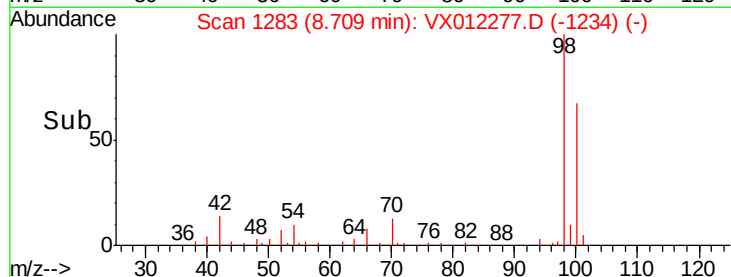
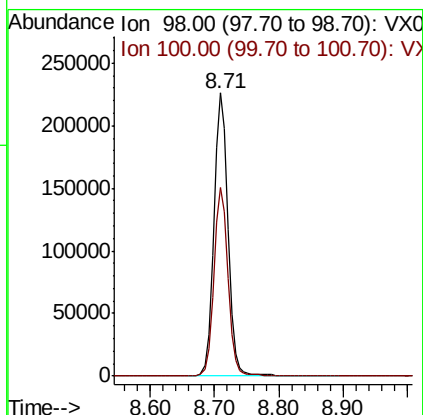
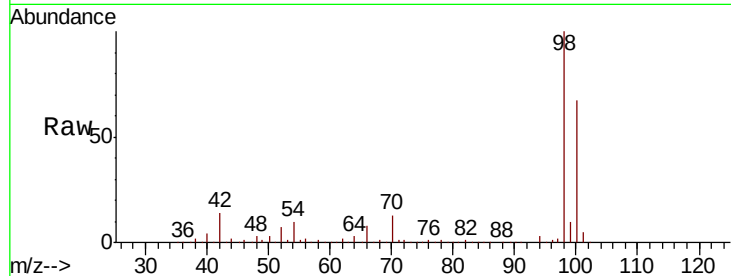




#50
Toluene-d8
Concen: 53.084 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012277.D
Acq: 11 Sep 2019 02:11

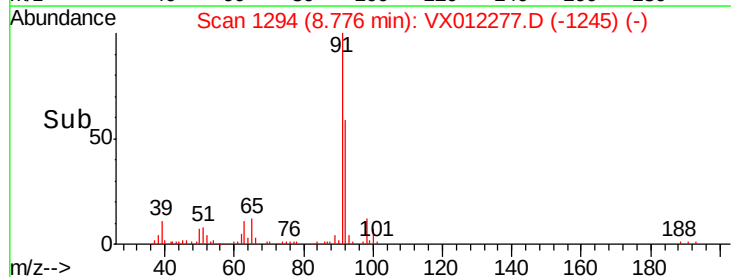
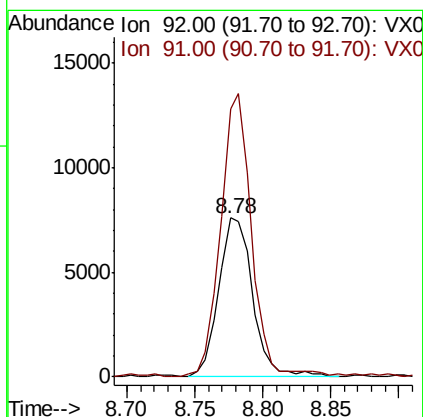
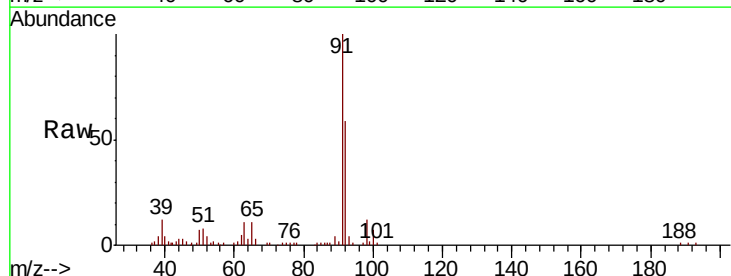
Instrument :
MSVOA_X
ClientSampled :
T11-B2-(0)

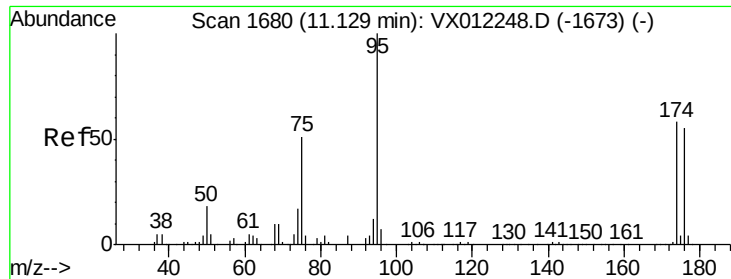
Tgt Ion: 98 Resp: 350411
Ion Ratio Lower Upper
98 100
100 66.6 54.1 81.1



#52
Toluene
Concen: 3.073 ug/l
RT: 8.78 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX012277.D
Acq: 11 Sep 2019 02:11

Tgt Ion: 92 Resp: 13151
Ion Ratio Lower Upper
92 100
91 162.5 133.6 200.4

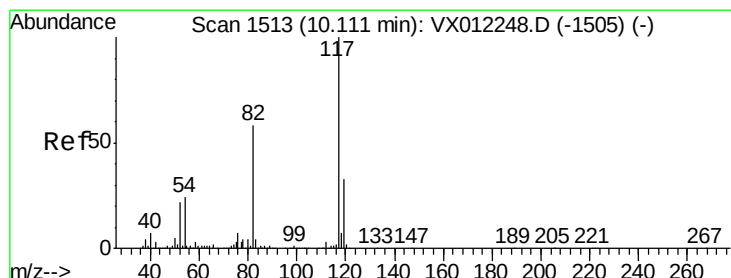
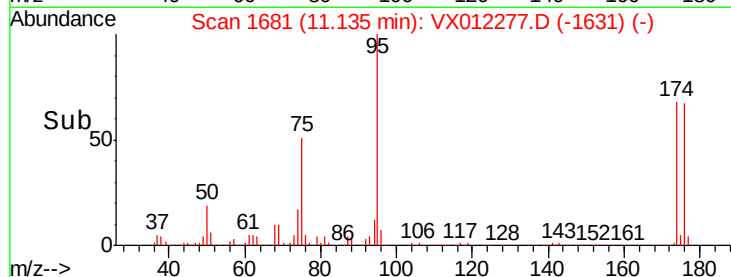
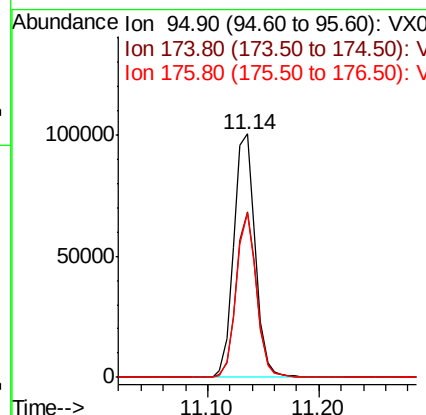
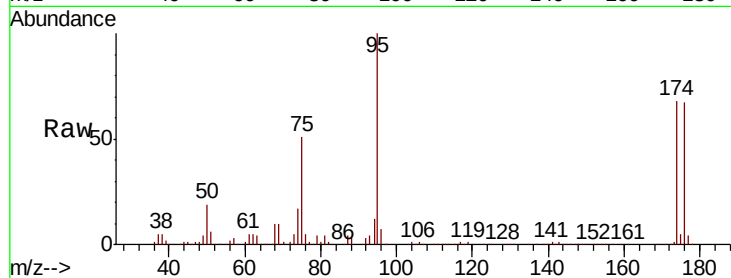




#62
4-Bromofluorobenzene
Concen: 43.805 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX012277.D
Acq: 11 Sep 2019 02:11

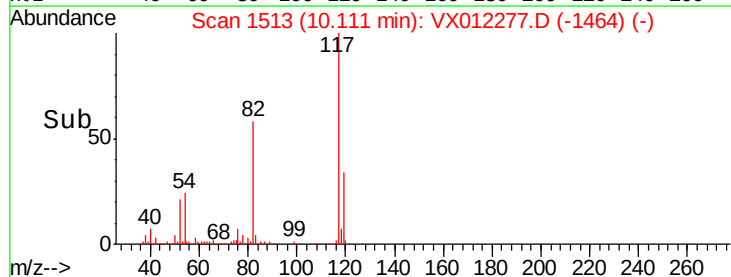
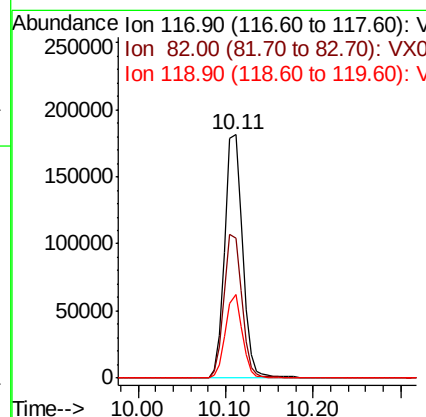
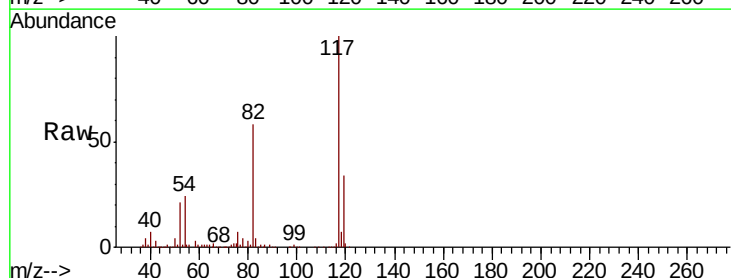
Instrument :
MSVOA_X
ClientSampleId :
T11-B2-(0)

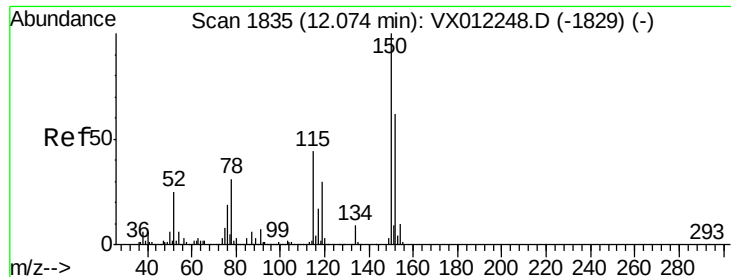
Tgt Ion: 95 Resp: 134055
Ion Ratio Lower Upper
95 100
174 64.1 0.0 127.0
176 63.7 0.0 125.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012277.D
Acq: 11 Sep 2019 02:11

Tgt Ion: 117 Resp: 255022
Ion Ratio Lower Upper
117 100
82 57.6 46.4 69.6
119 34.3 26.6 39.8

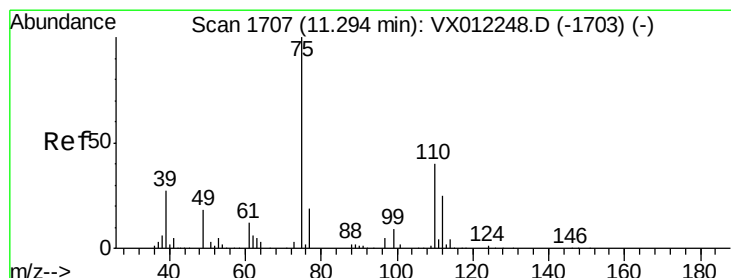
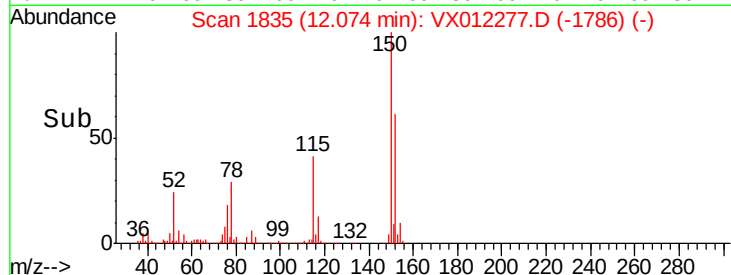
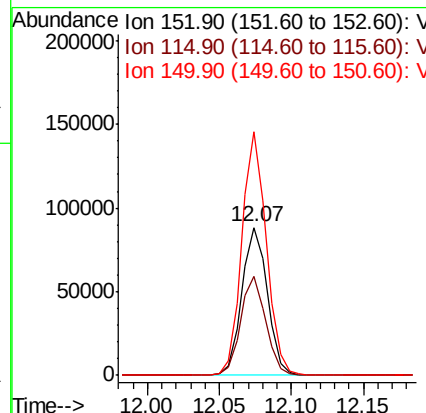
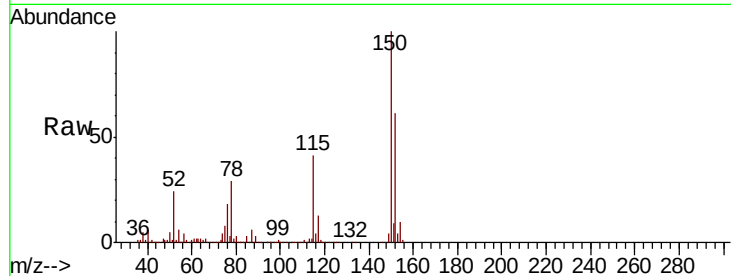




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX012277.D
 Acq: 11 Sep 2019 02:11

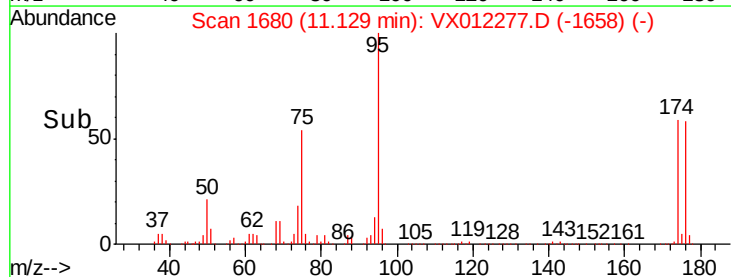
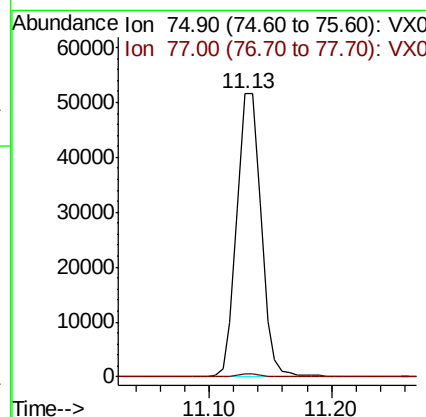
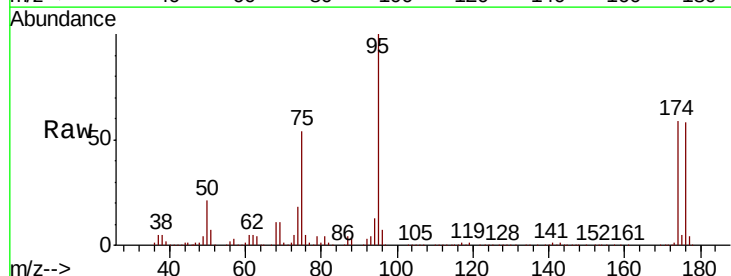
Instrument :
 MSVOA_X
 ClientSampleId :
 T11-B2-(0)

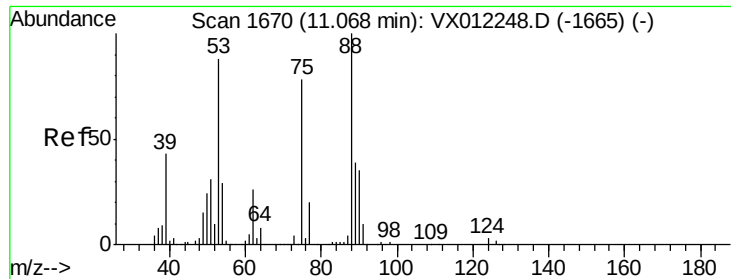
Tgt Ion	Ratio	Lower	Upper
152	100		
115	66.3	45.5	136.4
150	158.5	0.0	346.4



#76
 1,2,3-Trichloropropane
 Concen: 50.612 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX012277.D
 Acq: 11 Sep 2019 02:11

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.2	19.7	59.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 151.645 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012277.D

Acq: 11 Sep 2019 02:11

Instrument :

MSVOA_X

ClientSampleId :

T11-B2-(0)

Tgt Ion: 75 Resp: 70724

Ion Ratio Lower Upper

75 100

53 0.2 88.1 132.1#

89 0.0 43.5 65.3#

