

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121919\
 Data File : VX014160.D
 Acq On : 20 Dec 2019 07:59
 Operator : JC/SP
 Sample : K6377-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2R

Quant Time: Dec 20 12:16:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

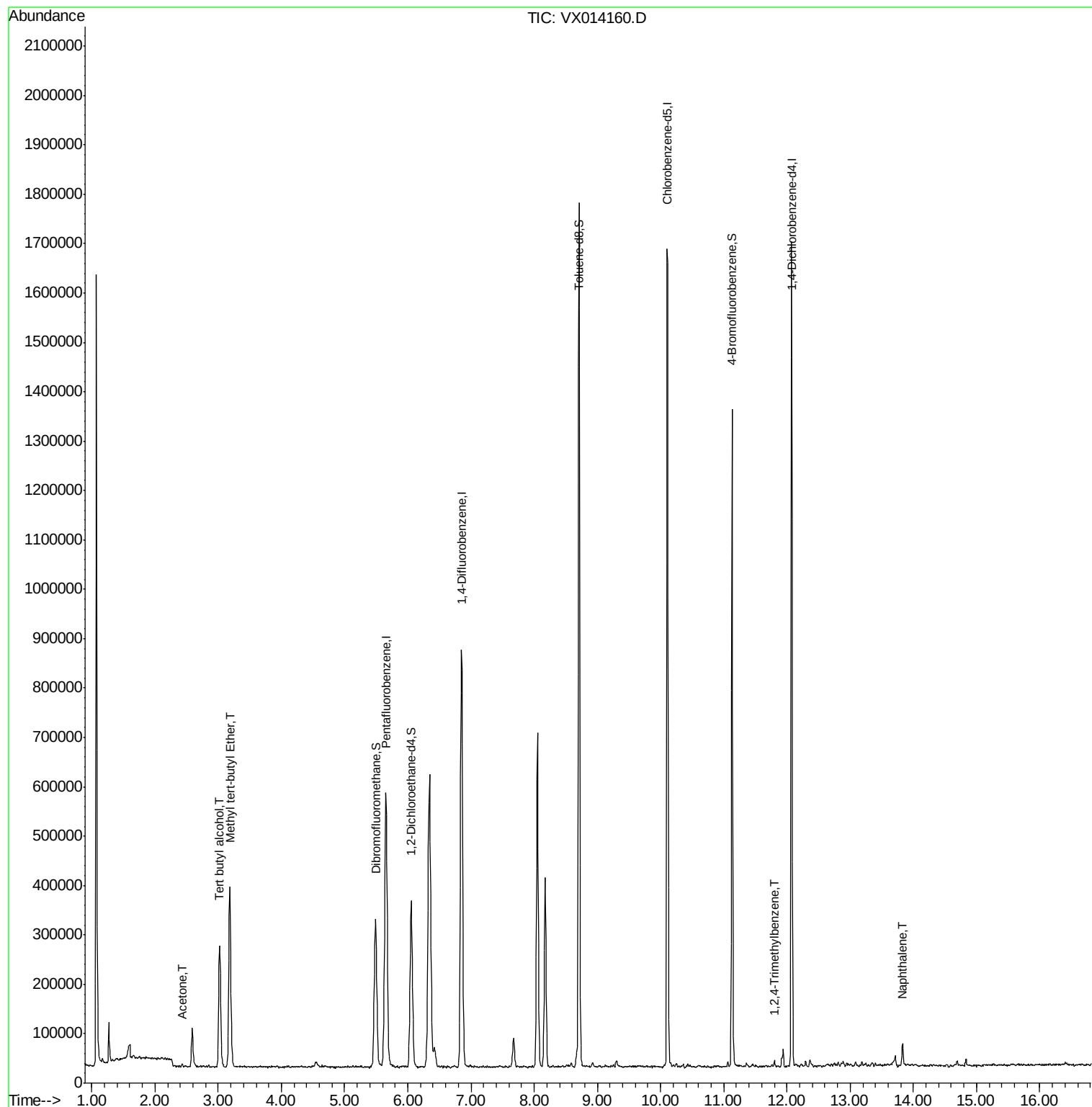
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	579357	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	884408	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	790653	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	358808	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	313645	47.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.54%	
35) Dibromofluoromethane	5.49	113	258210	48.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.06%	
50) Toluene-d8	8.71	98	1046567	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
62) 4-Bromofluorobenzene	11.13	95	354216	46.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.60%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.02	59	296771	209.169	ug/l	99
16) Acetone	2.44	43	7036	1.651	ug/l	96
19) Methyl tert-butyl Ether	3.19	73	415702	22.700	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	6248	0.293	ug/l	93
95) Naphthalene	13.83	128	34873	1.489	ug/l	98

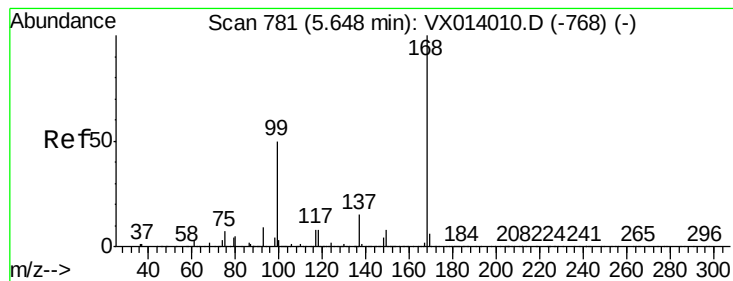
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Dec 17 03:01:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX014160.D

Acq: 20 Dec 2019 07:59

Instrument :

MSVOA_X

ClientSampleId :

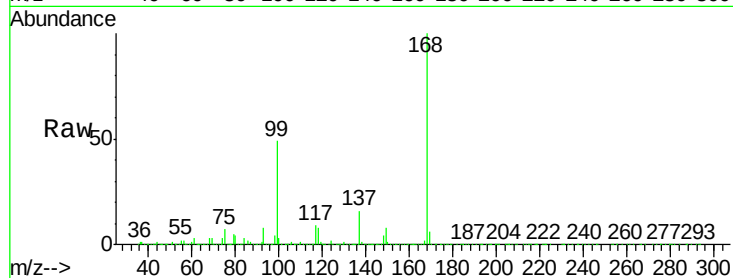
MW-2R

Tot Ion:168 Resp: 579357

Ion Ratio Lower Upper

168 100

99 48.5 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

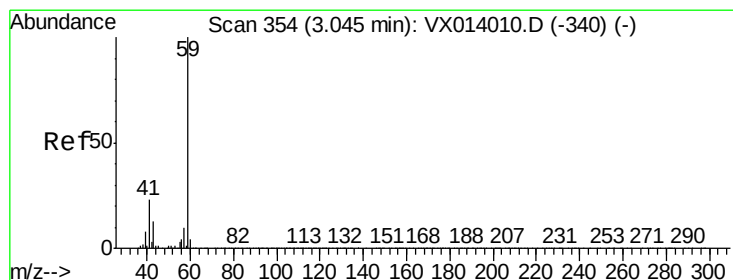
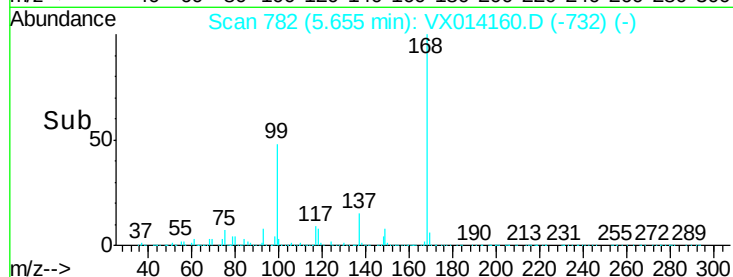
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 209.169 ug/l

RT: 3.02 min Scan# 350

Delta R.T. -0.02 min

Lab File: VX014160.D

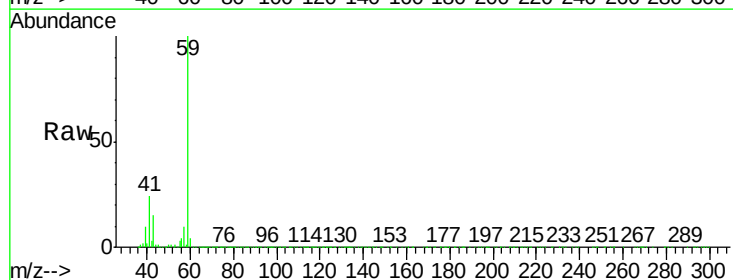
Acq: 20 Dec 2019 07:59

Tgt Ion: 59 Resp: 296771

Ion Ratio Lower Upper

59 100

57 10.1 8.4 12.6



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.02

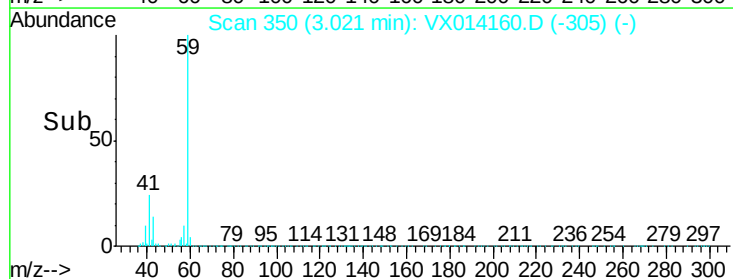
150000

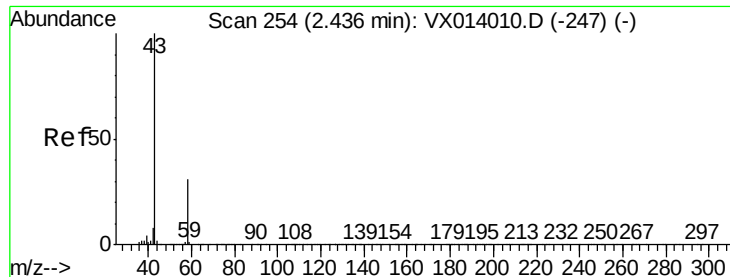
100000

50000

0

Time-->





#16

Acetone

Concen: 1.651 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX014160.D

Acq: 20 Dec 2019 07:59

Instrument :

MSVOA_X

ClientSampleId :

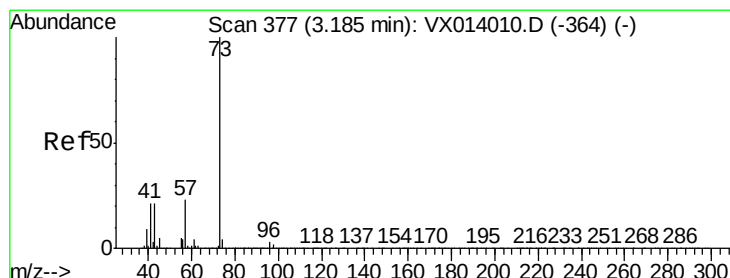
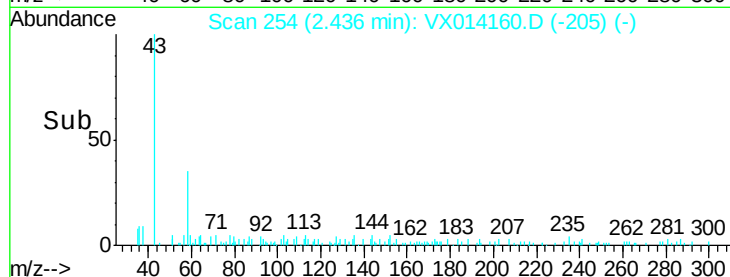
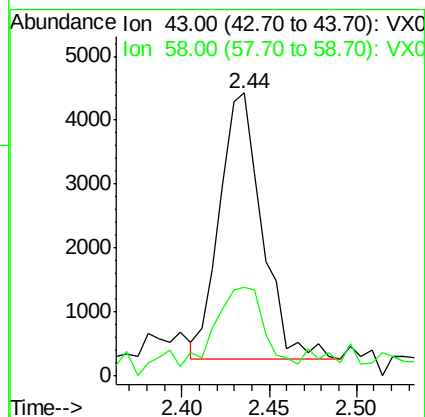
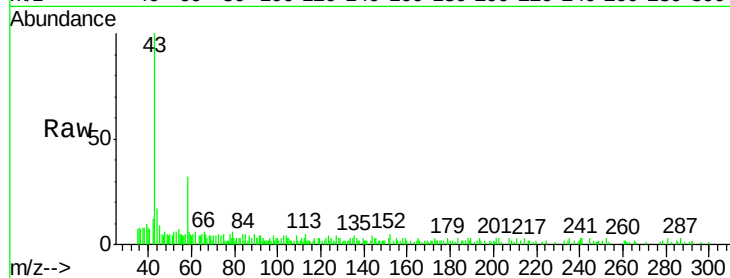
MW-2R

Tot Ion: 43 Resp: 7036

Ion Ratio Lower Upper

43 100

58 28.7 24.9 37.3



#19

Methyl tert-butyl Ether

Concen: 22.700 ug/l

RT: 3.19 min Scan# 377

Delta R.T. 0.00 min

Lab File: VX014160.D

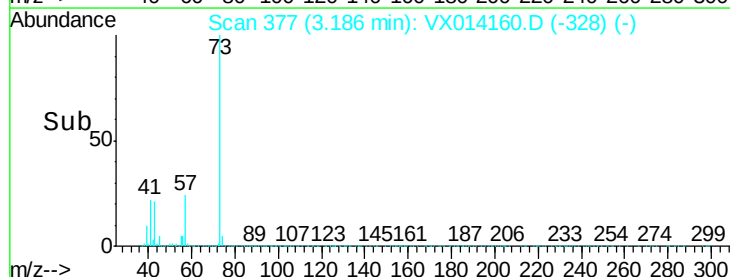
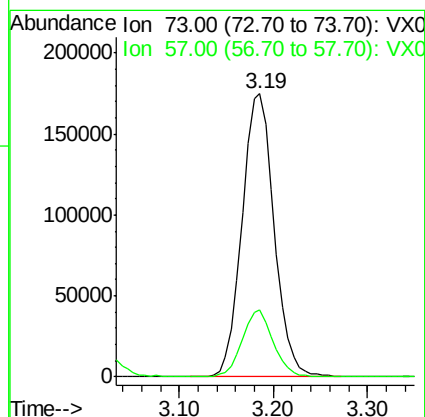
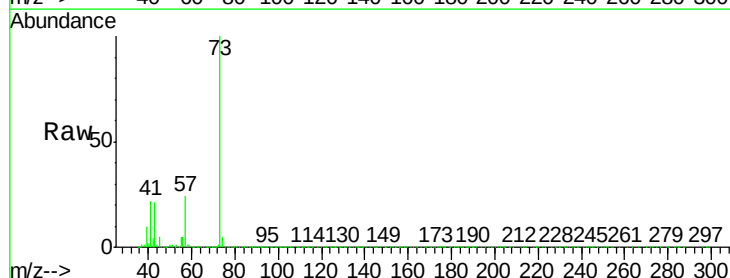
Acq: 20 Dec 2019 07:59

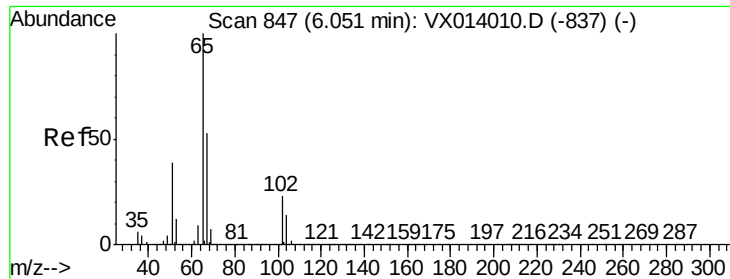
Tgt Ion: 73 Resp: 415702

Ion Ratio Lower Upper

73 100

57 23.7 18.8 28.2





#33

1,2-Dichloroethane-d4

Concen: 47.767 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX014160.D

Acq: 20 Dec 2019 07:59

Instrument :

MSVOA_X

ClientSampleId :

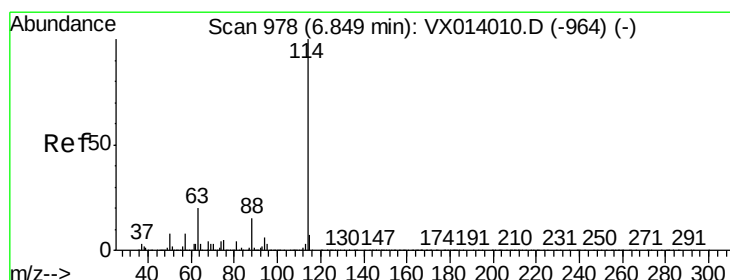
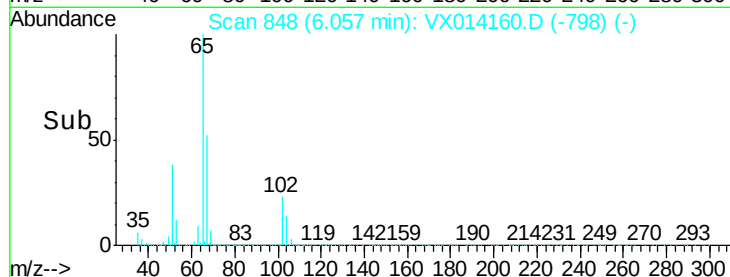
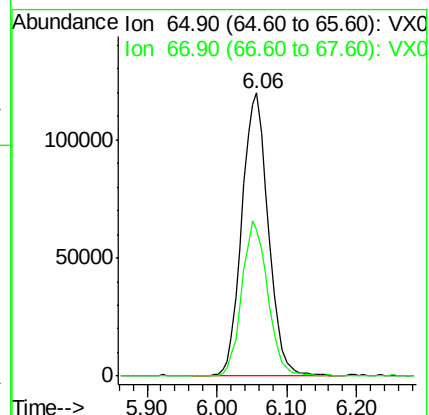
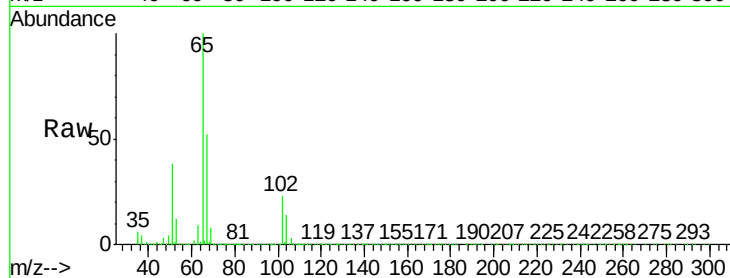
MW-2R

Tot Ion: 65 Resp: 313645

Ion Ratio Lower Upper

65 100

67 53.4 0.0 106.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014160.D

Acq: 20 Dec 2019 07:59

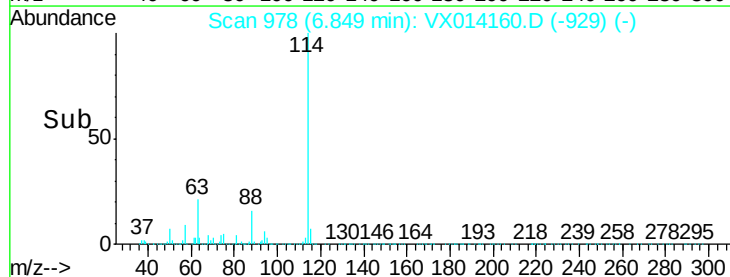
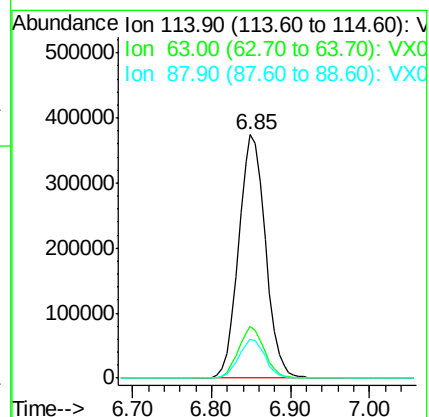
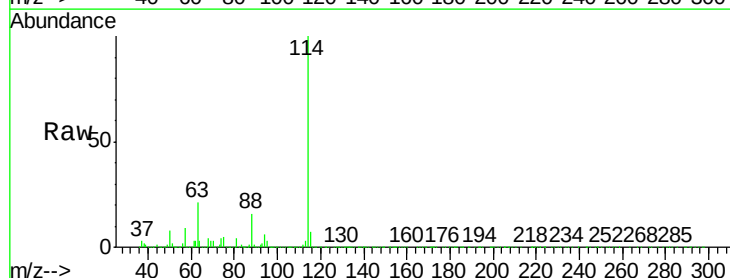
Tgt Ion: 114 Resp: 884408

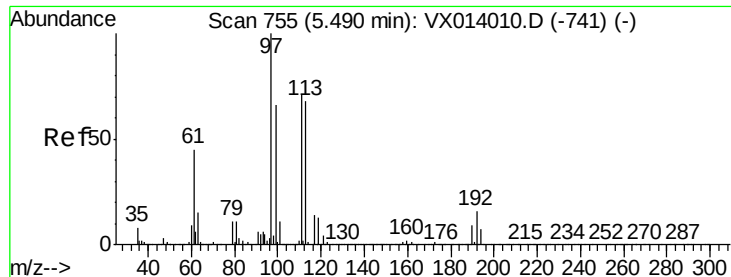
Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.8

88 16.0 0.0 30.4





#35

Dibromofluoromethane

Concen: 48.028 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014160.D

Acq: 20 Dec 2019 07:59

Instrument :

MSVOA_X

ClientSampleId :

MW-2R

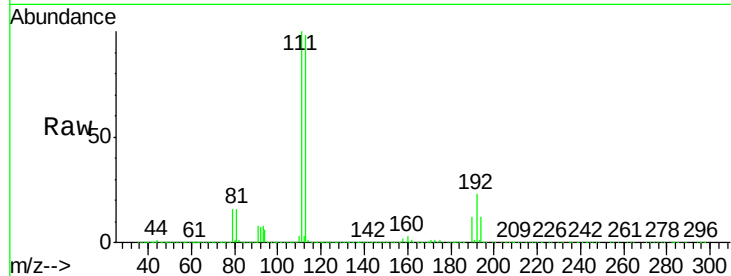
Tot Ion:113 Resp: 258210

Ion Ratio Lower Upper

113 100

111 102.6 82.0 123.0

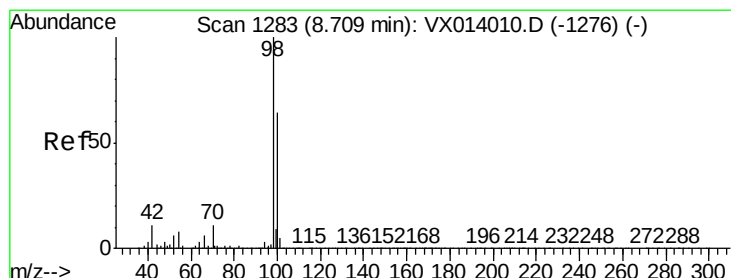
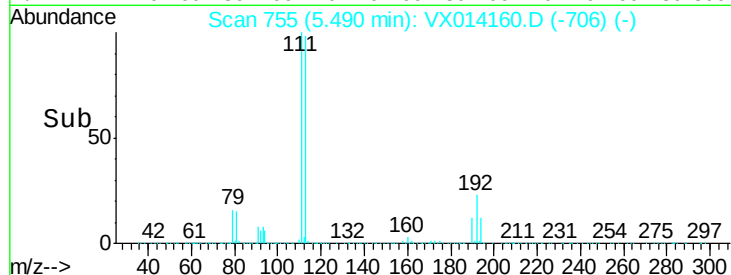
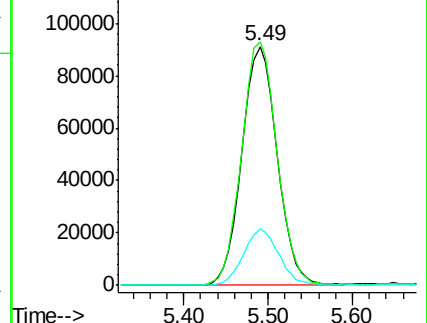
192 23.7 19.3 28.9



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



#50

Toluene-d8

Concen: 50.001 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014160.D

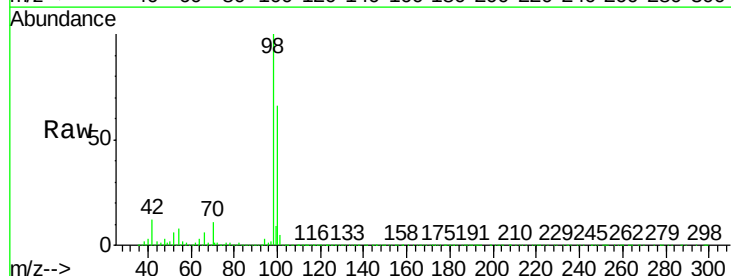
Acq: 20 Dec 2019 07:59

Tgt Ion: 98 Resp: 1046567

Ion Ratio Lower Upper

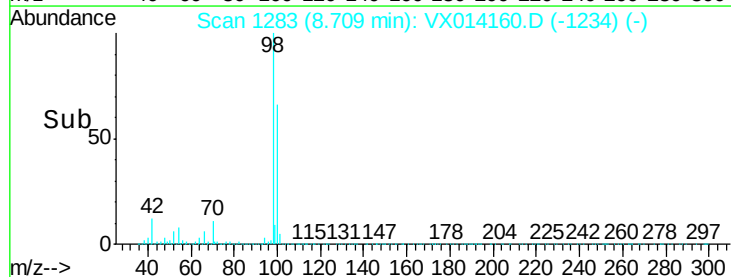
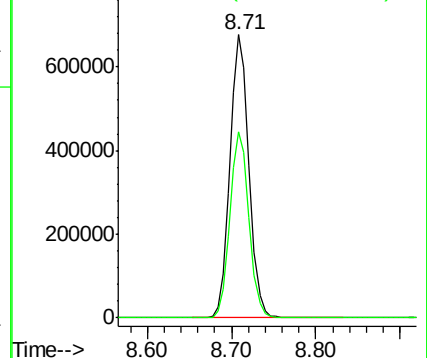
98 100

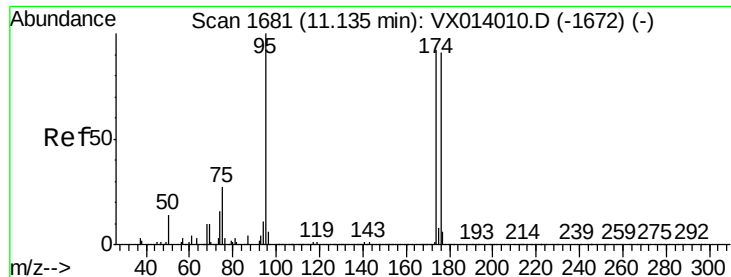
100 65.7 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

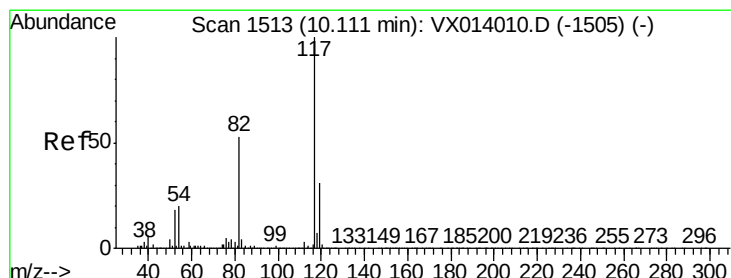
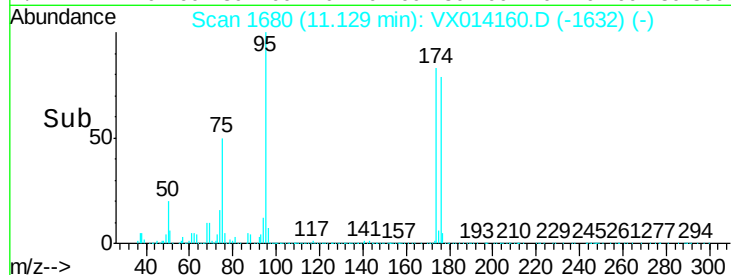
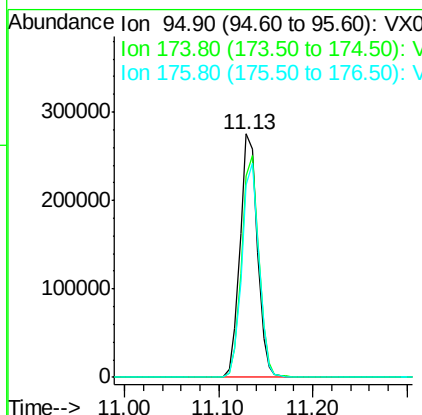
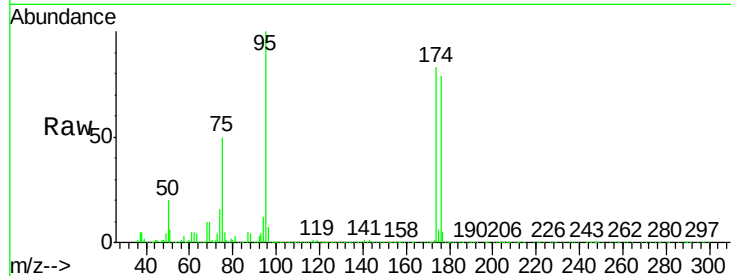




#62
4-Bromofluorobenzene
Concen: 46.295 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX014160.D
Acq: 20 Dec 2019 07:59

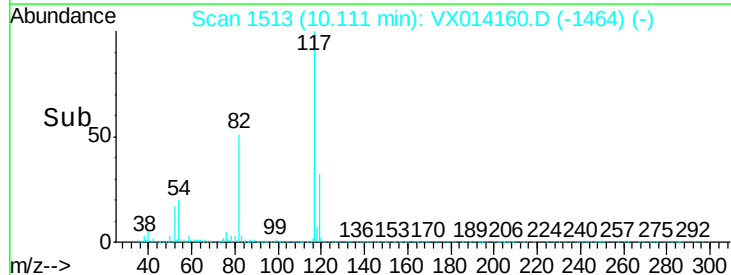
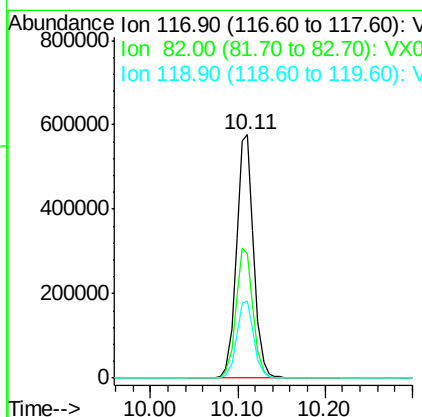
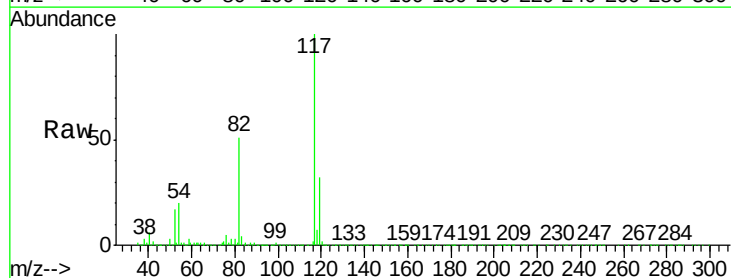
Instrument :
MSVOA_X
ClientSampleId :
MW-2R

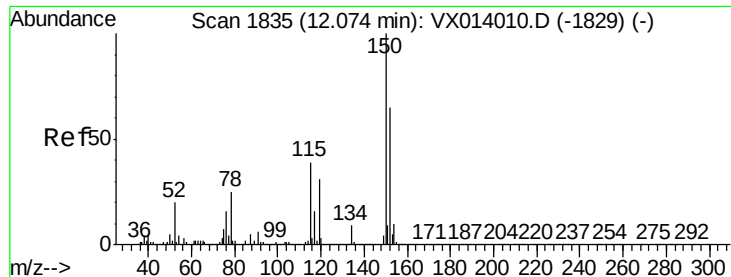
Tot Ion	Ratio	Lower	Upper
95	100		
174	90.6	0.0	175.8
176	86.8	0.0	173.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014160.D
Acq: 20 Dec 2019 07:59

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.1	42.2	63.4
119	31.8	25.1	37.7



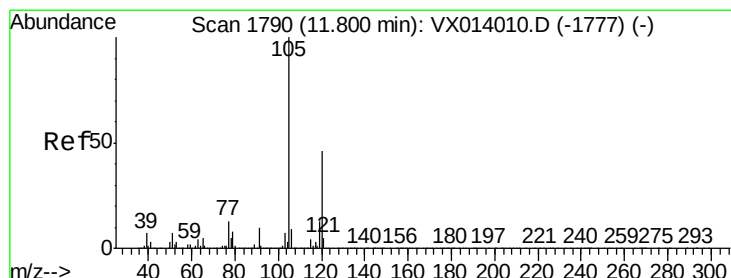
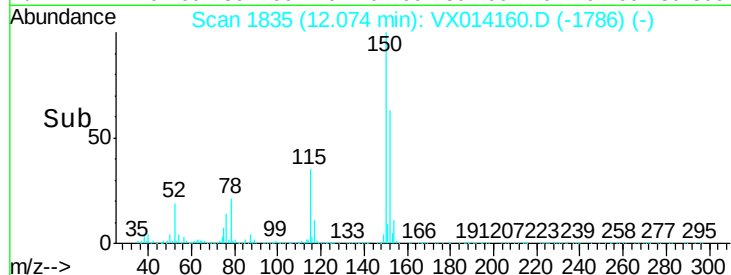
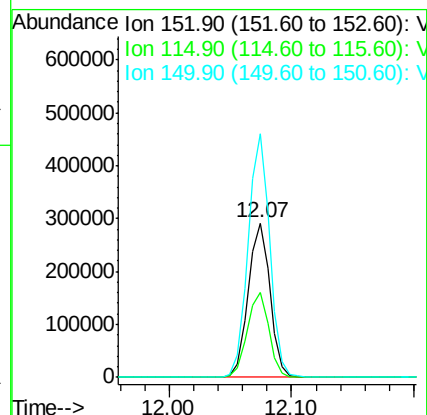
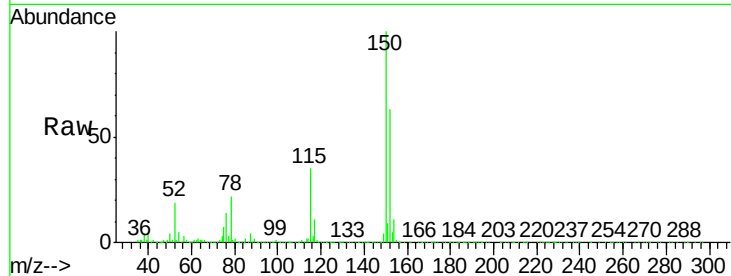


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014160.D
Acq: 20 Dec 2019 07:59

Instrument :
MSVOA_X
ClientSampleId :
MW-2R

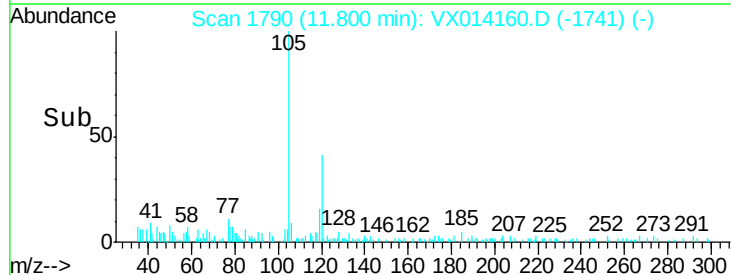
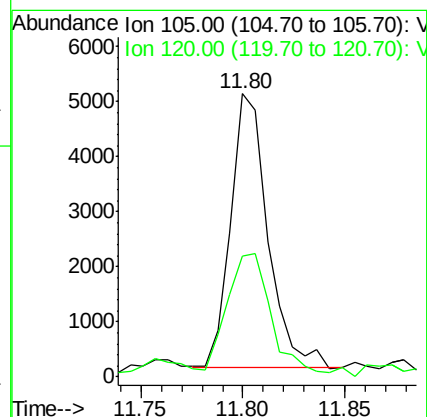
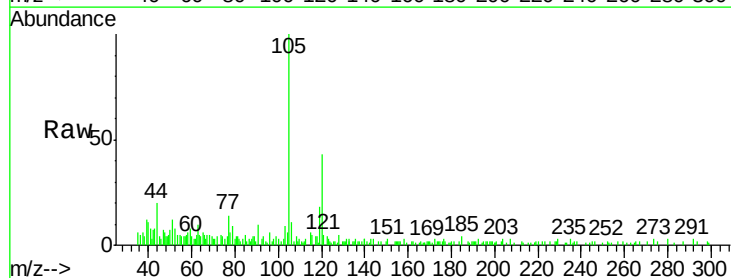
Tot Ion	Ratio	Lower	Upper
152	100		
115	55.0	38.3	114.9
150	156.1	0.0	345.4

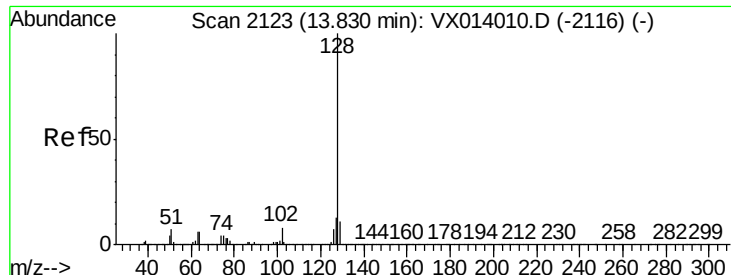


#84

1,2,4-Trimethylbenzene
Concen: 0.293 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. 0.00 min
Lab File: VX014160.D
Acq: 20 Dec 2019 07:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.4	23.1	69.2





#95

Naphthalene

Concen: 1.489 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX014160.D

Acq: 20 Dec 2019 07:59

Instrument :

MSVOA_X

ClientSampleId :

MW-2R

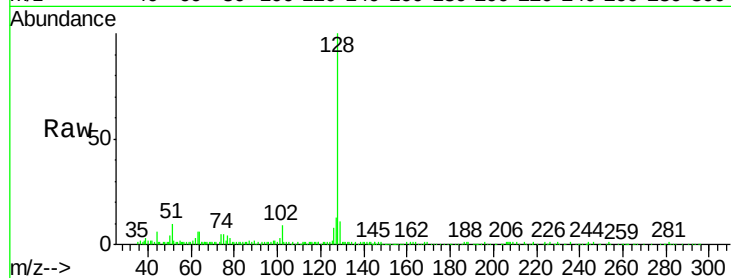
Tot Ion:128 Resp: 34873

Ion Ratio Lower Upper

128 100

127 14.1 10.2 15.4

129 10.6 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

