

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122719\
 Data File : VX014322.D
 Acq On : 27 Dec 2019 20:24
 Operator : JC/SP
 Sample : K6449-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OW-2

Quant Time: Dec 30 06:37:58 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	507256	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	777778	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	703356	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	314310	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	282800	49.19	ug/l	0.00
Spiked Amount			Recovery	=	98.38%	
35) Dibromofluoromethane	5.49	113	234240	49.54	ug/l	0.00
Spiked Amount			Recovery	=	99.08%	
50) Toluene-d8	8.71	98	945753	51.38	ug/l	0.00
Spiked Amount			Recovery	=	102.76%	
62) 4-Bromofluorobenzene	11.13	95	315463	46.88	ug/l	0.00
Spiked Amount			Recovery	=	93.76%	

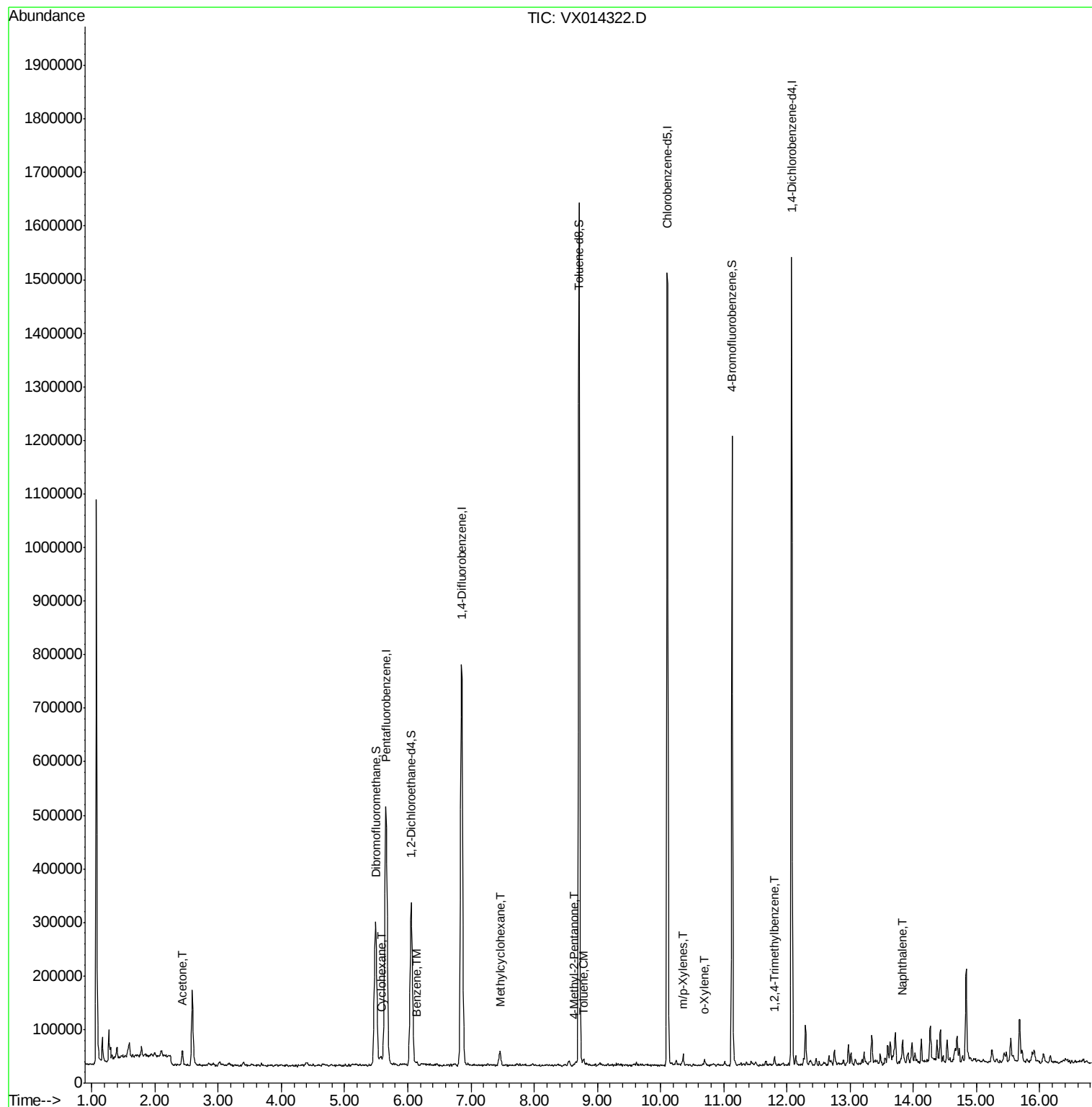
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.43	43	31804	8.521	ug/l	94
31) Cyclohexane	5.58	56	11221	1.306	ug/l #	88
39) Methylcyclohexane	7.46	83	13148	1.492	ug/l	96
40) Benzene	6.14	78	7003	0.319	ug/l #	76
51) 4-Methyl-2-Pentanone	8.63	43	2535	0.309	ug/l	88
52) Toluene	8.78	92	4648	0.335	ug/l	88
68) m/p-Xylenes	10.35	106	5328	0.539	ug/l	99
69) o-Xylene	10.69	106	2979	0.307	ug/l	94
84) 1,2,4-Trimethylbenzene	11.80	105	9002	0.483	ug/l	96
95) Naphthalene	13.83	128	28850	1.406	ug/l #	90

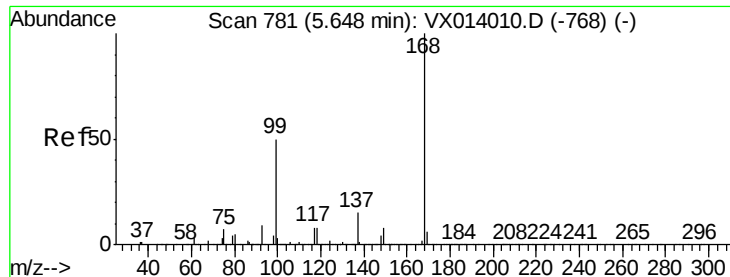
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 30 06:37:58 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
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# 781

Delta R.T. 0.00 min

Lab File: VX014322.D

Acq: 27 Dec 2019 20:24

Instrument :

MSVOA_X

ClientSampleId :

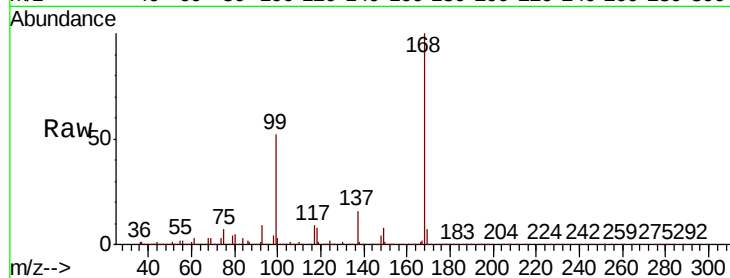
OW-2

Tot Ion:168 Resp: 507256

Ion Ratio Lower Upper

168 100

99 51.9 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

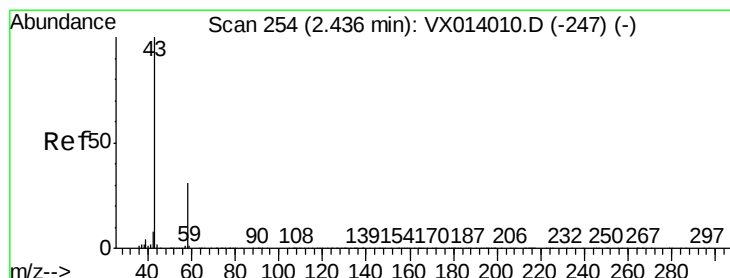
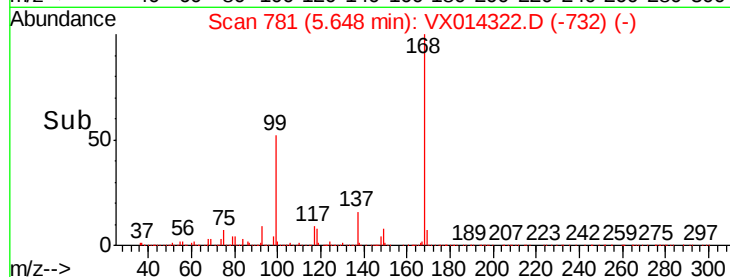
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 8.521 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014322.D

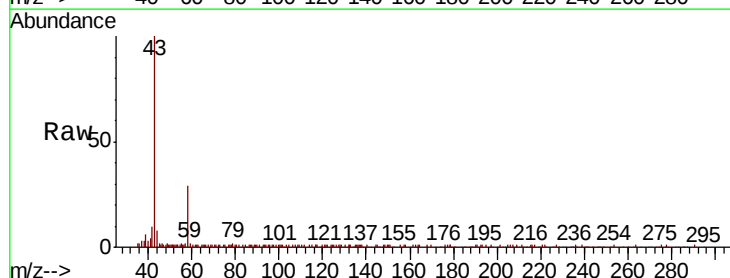
Acq: 27 Dec 2019 20:24

Tgt Ion: 43 Resp: 31804

Ion Ratio Lower Upper

43 100

58 27.9 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.43

20000

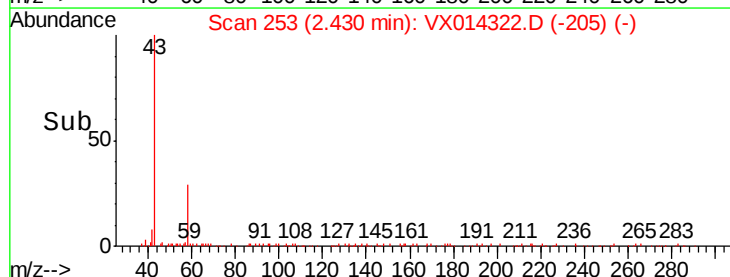
15000

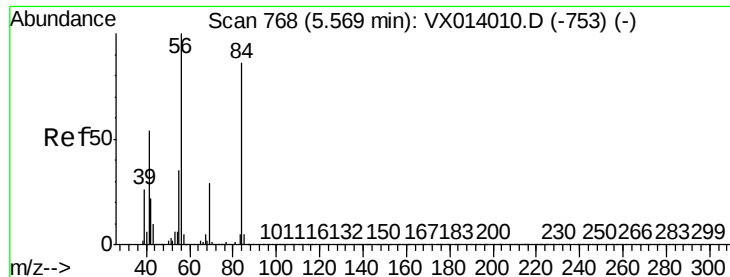
10000

5000

0

Time-->

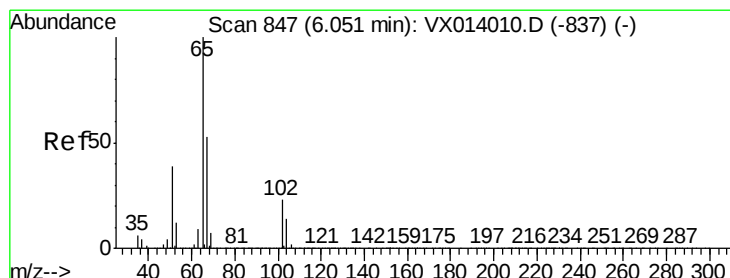
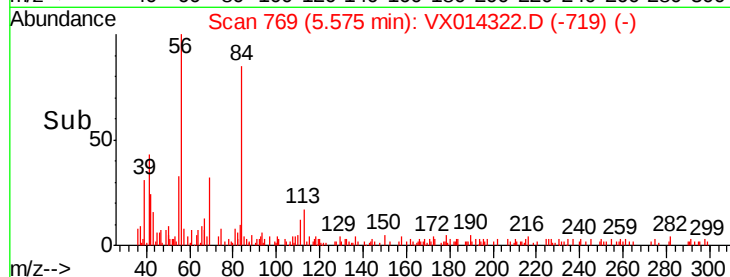
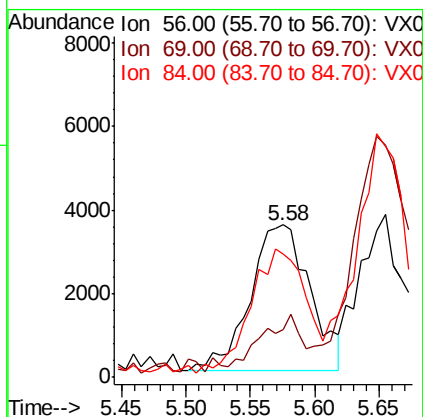
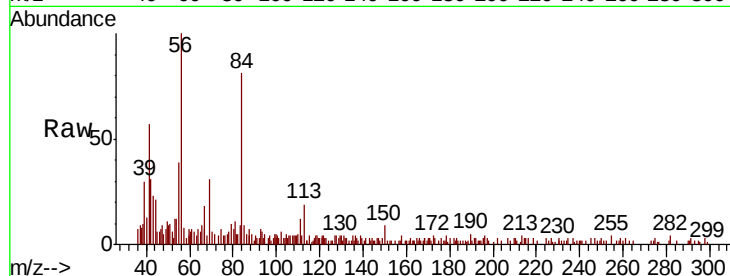




#31
Cyclohexane
Concen: 1.306 ug/l
RT: 5.58 min Scan# 769
Delta R.T. 0.01 min
Lab File: VX014322.D
Acq: 27 Dec 2019 20:24

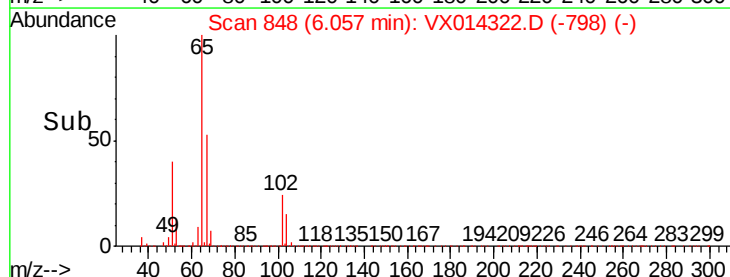
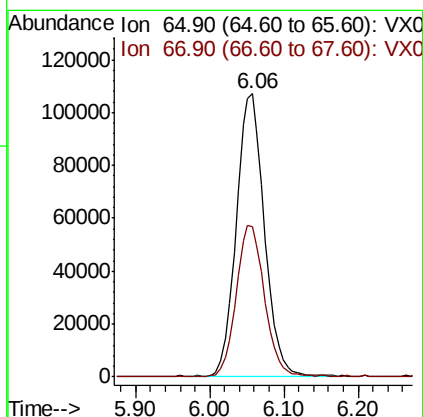
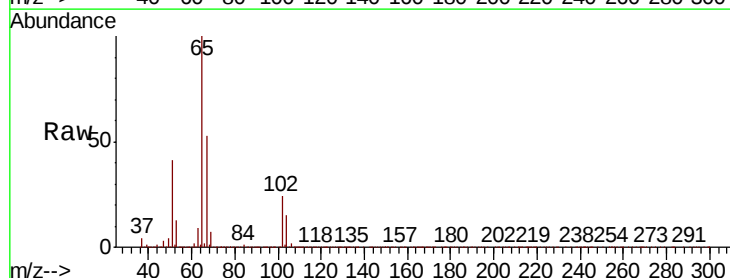
Instrument :
MSVOA_X
ClientSampleId :
OW-2

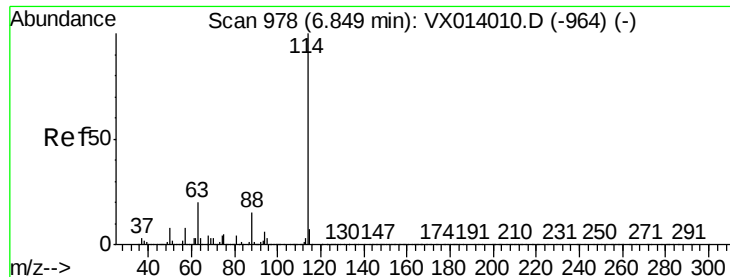
Tot Ion: 56 Resp: 11221
Ion Ratio Lower Upper
56 100
69 20.0 23.2 34.8#
84 77.5 69.2 103.8



#33
1,2-Dichloroethane-d4
Concen: 49.191 ug/l
RT: 6.06 min Scan# 848
Delta R.T. 0.01 min
Lab File: VX014322.D
Acq: 27 Dec 2019 20:24

Tgt Ion: 65 Resp: 282800
Ion Ratio Lower Upper
65 100
67 53.9 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: VX014322.D

Acq: 27 Dec 2019 20:24

Instrument :

MSVOA_X

ClientSampleId :

OW-2

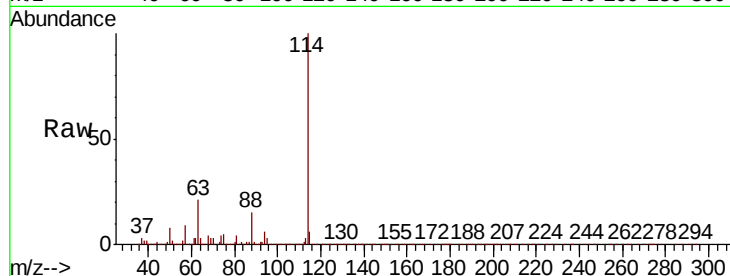
Tot Ion:114 Resp: 777778

Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.8

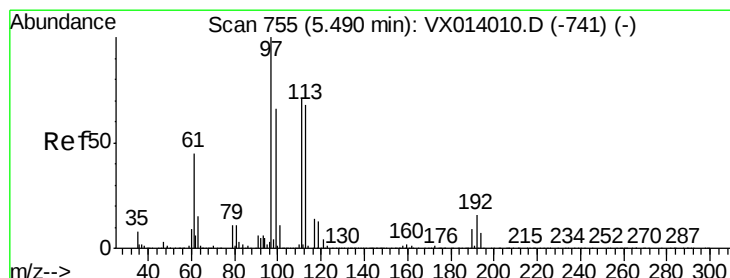
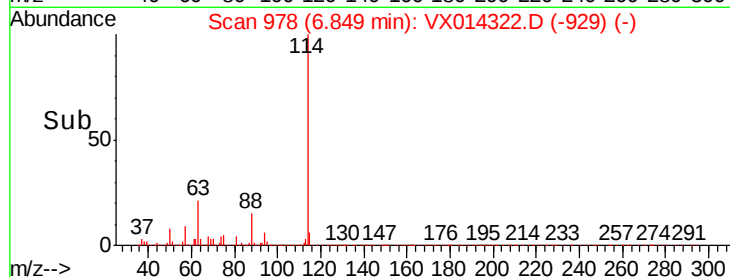
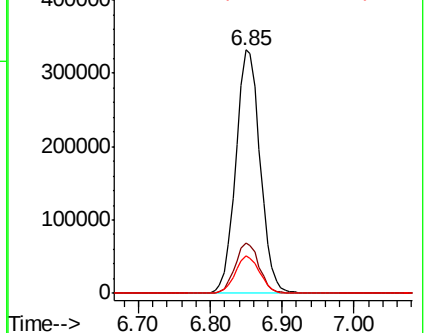
88 15.3 0.0 30.4



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: 49.543 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014322.D

Acq: 27 Dec 2019 20:24

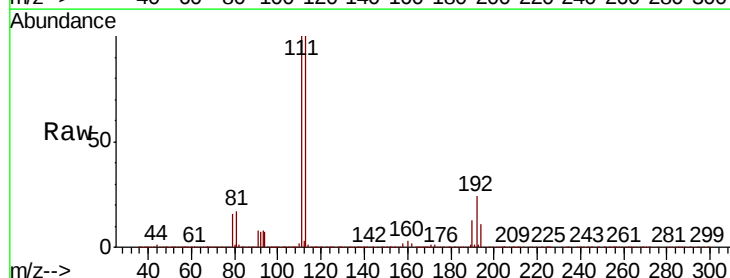
Tgt Ion:113 Resp: 234240

Ion Ratio Lower Upper

113 100

111 100.9 82.0 123.0

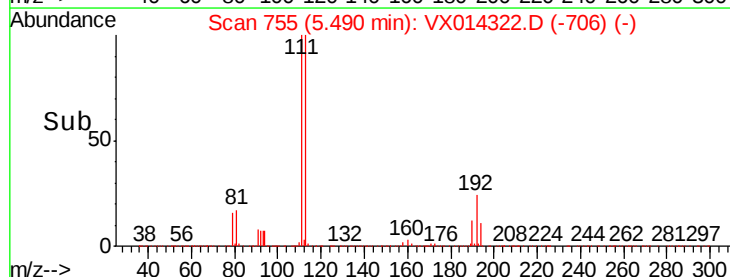
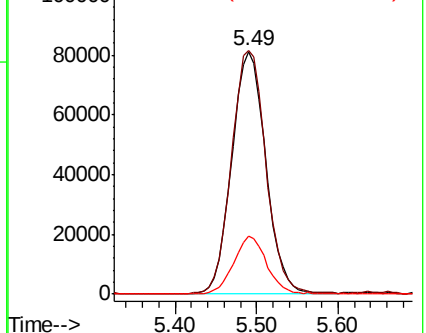
192 23.2 19.3 28.9

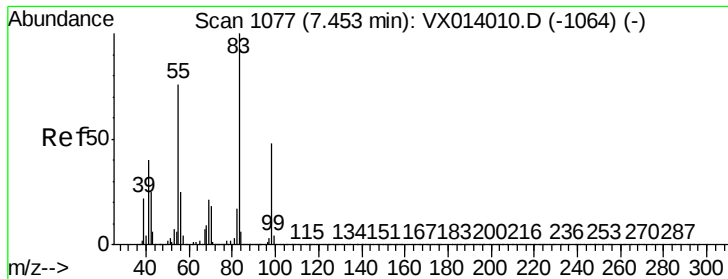


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

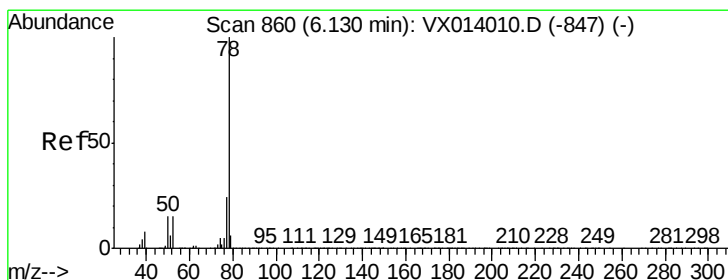
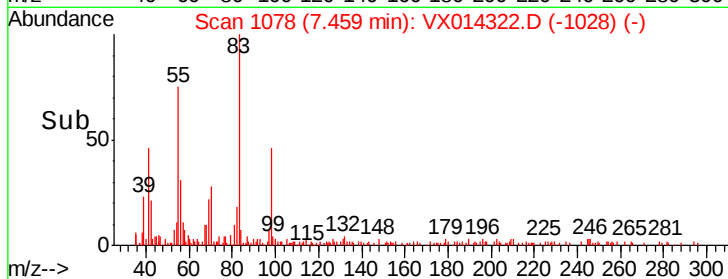
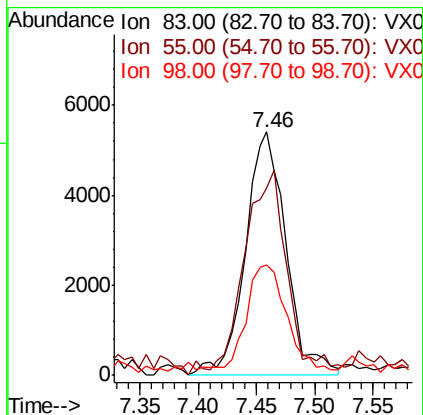
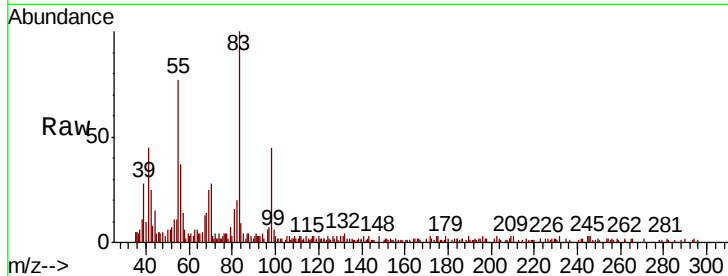




#39
Methvlcvclohexane
Concen: 1.492 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VX014322.D
Acq: 27 Dec 2019 20:24

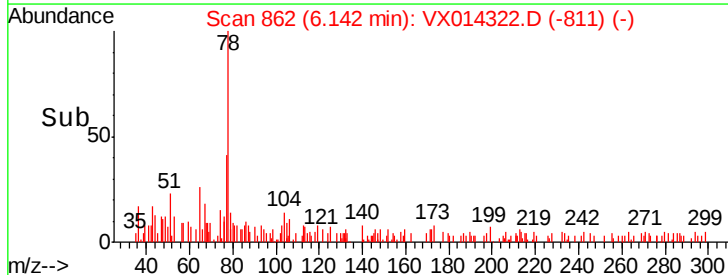
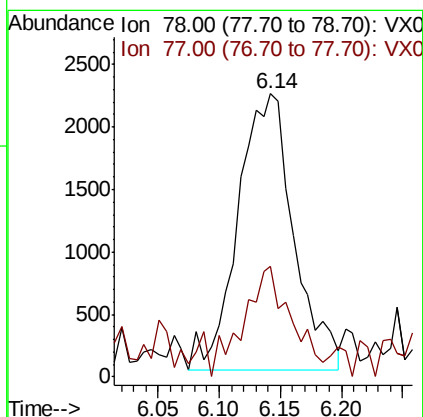
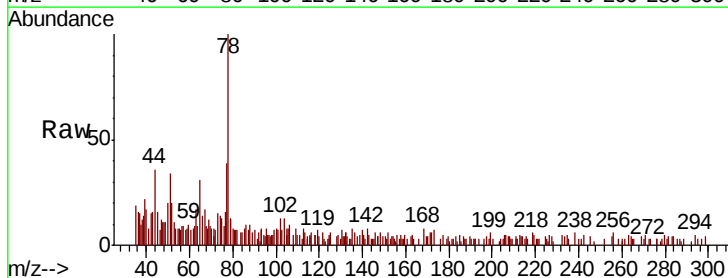
Instrument :
MSVOA_X
ClientSampleId :
OW-2

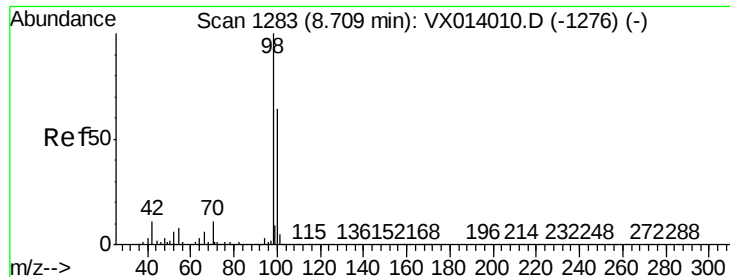
Tot Ion	Ratio	Lower	Upper
83	100		
55	79.2	61.0	91.6
98	44.4	38.6	57.8



#40
Benzene
Concen: 0.319 ug/l
RT: 6.14 min Scan# 862
Delta R.T. 0.01 min
Lab File: VX014322.D
Acq: 27 Dec 2019 20:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	35.5	18.8	28.2#





#50

Toluene-d8

Concen: 51.379 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014322.D

Acq: 27 Dec 2019 20:24

Instrument :

MSVOA_X

ClientSampleId :

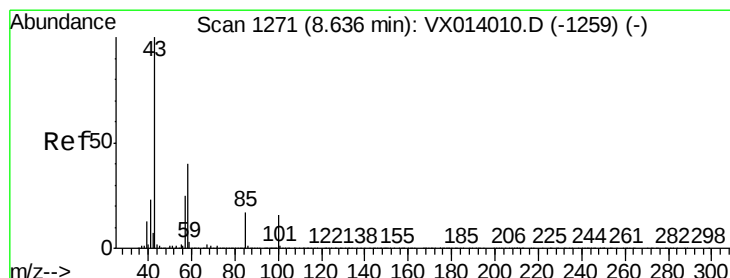
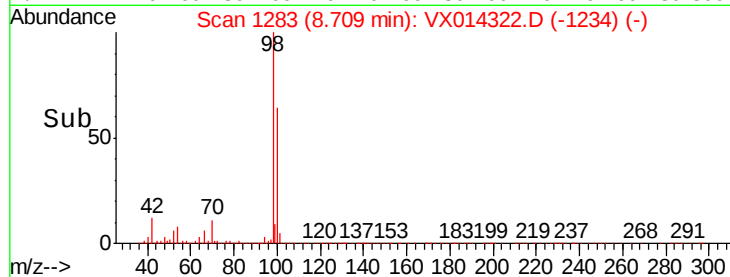
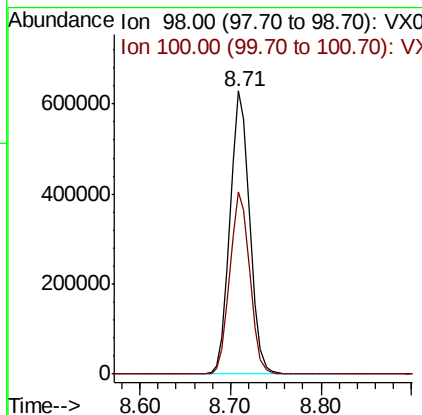
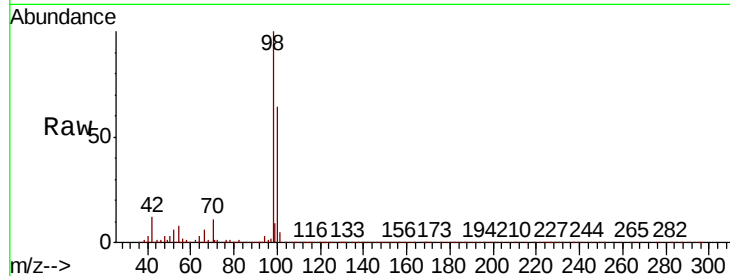
OW-2

Tot Ion: 98 Resp: 945753

Ion Ratio Lower Upper

98 100

100 65.0 52.9 79.3



#51

4-Methyl-2-Pentanone

Concen: 0.309 ug/l

RT: 8.63 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VX014322.D

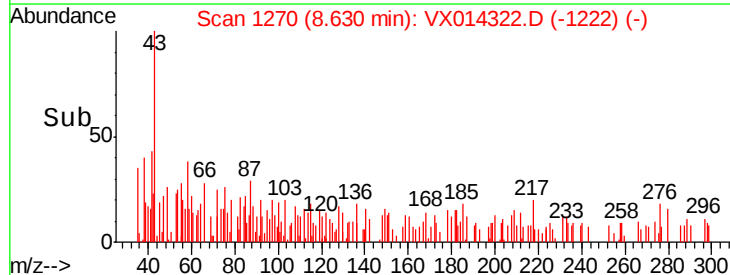
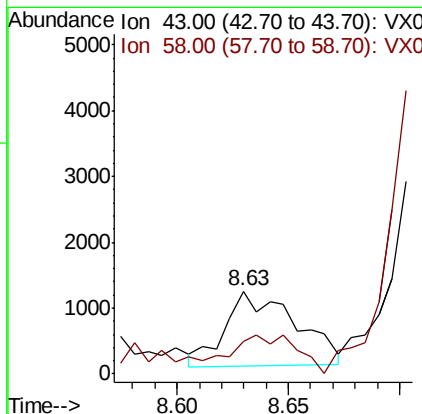
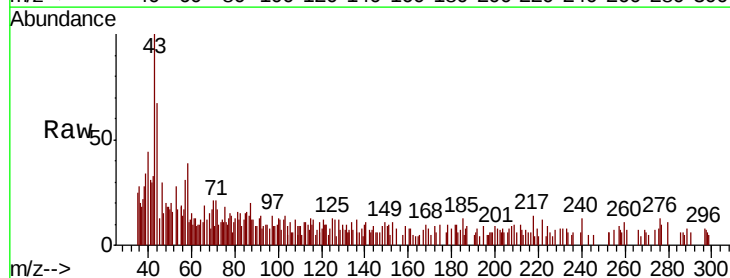
Acq: 27 Dec 2019 20:24

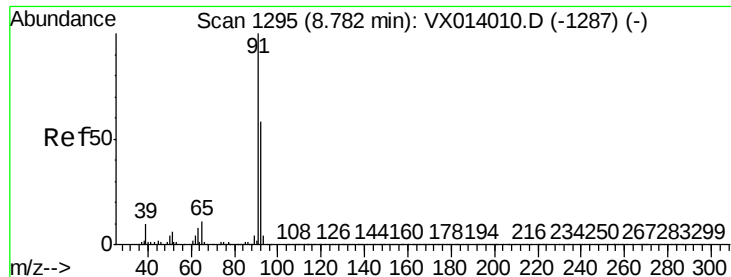
Tgt Ion: 43 Resp: 2535

Ion Ratio Lower Upper

43 100

58 47.7 32.2 48.2





#52

Toluene

Concen: 0.335 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX014322.D

Acq: 27 Dec 2019 20:24

Instrument :

MSVOA_X

ClientSampleId :

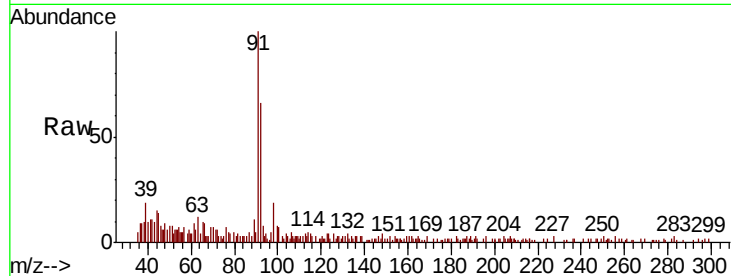
OW-2

Tot Ion: 92 Resp: 4648

Ion Ratio Lower Upper

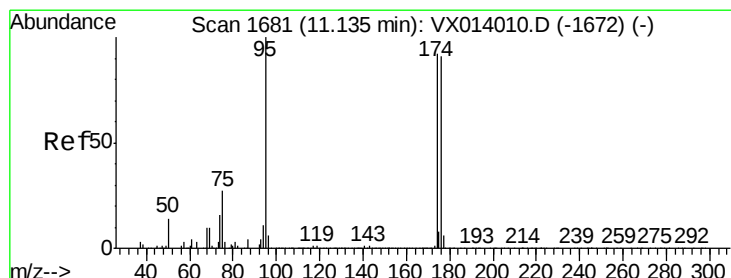
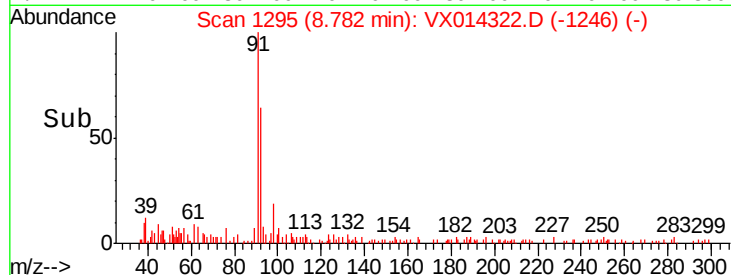
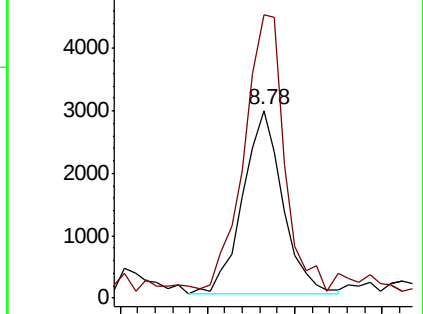
92 100

91 153.2 136.2 204.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 46.883 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014322.D

Acq: 27 Dec 2019 20:24

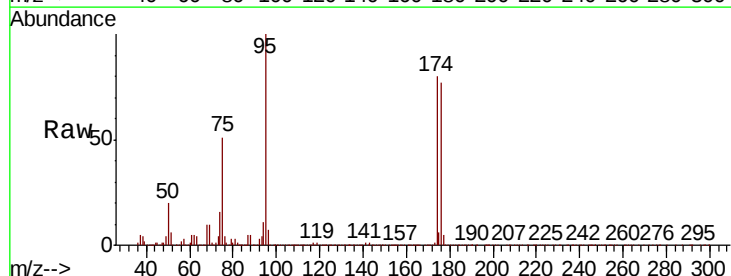
Tgt Ion: 95 Resp: 315463

Ion Ratio Lower Upper

95 100

174 88.1 0.0 175.8

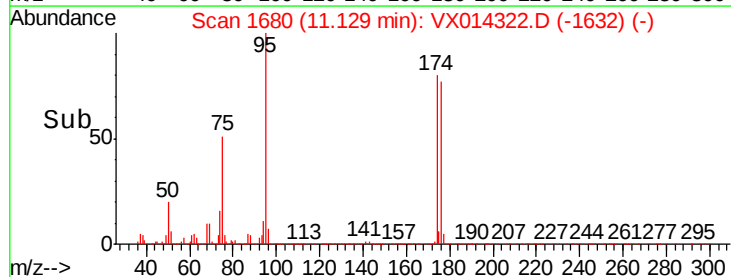
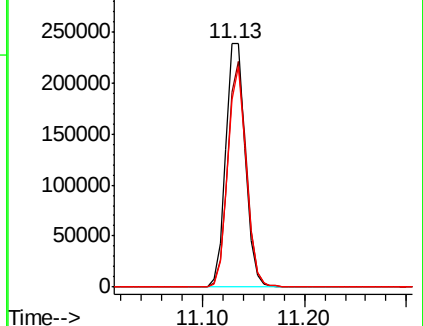
176 85.5 0.0 173.0

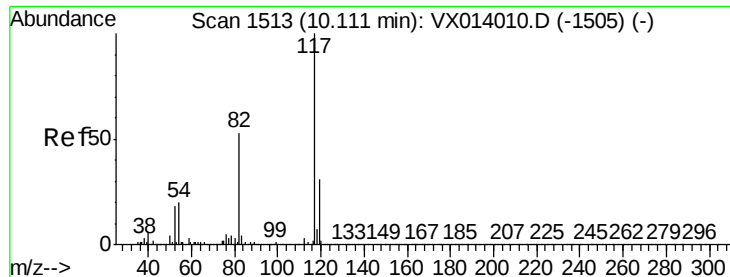


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

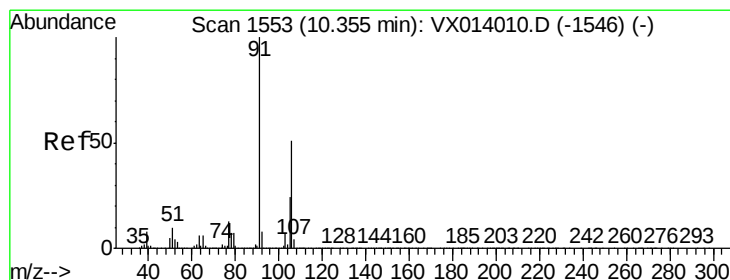
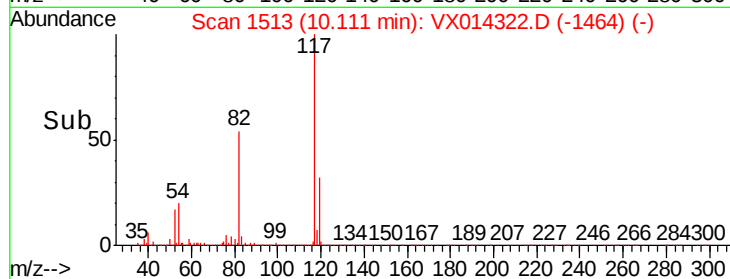
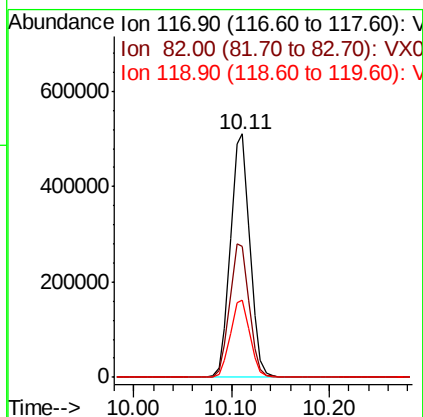
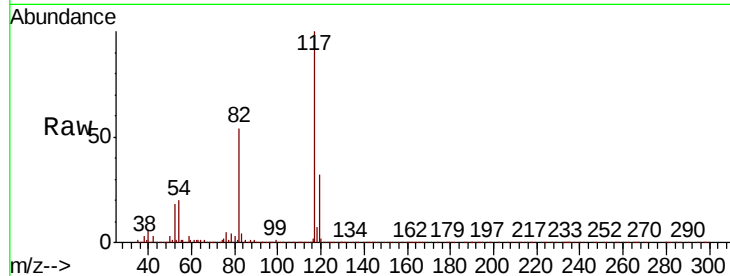




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014322.D
Acq: 27 Dec 2019 20:24

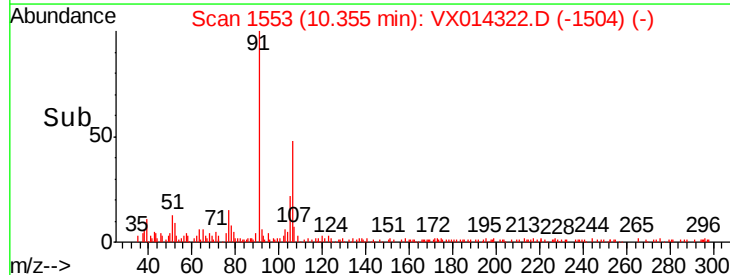
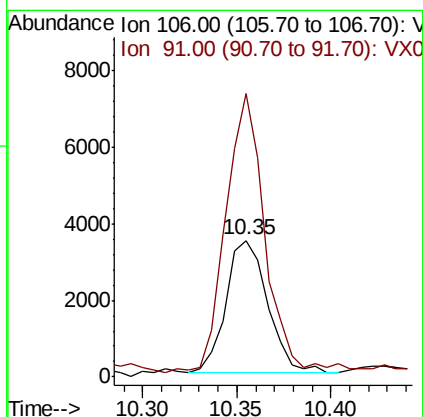
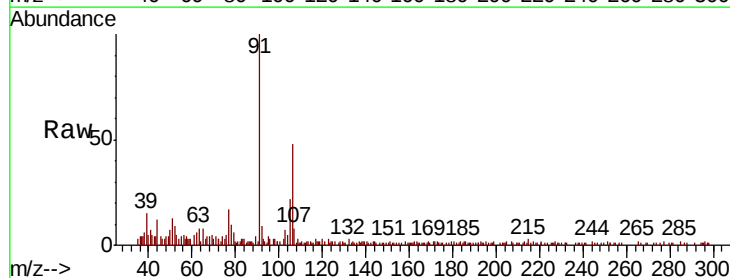
Instrument :
MSVOA_X
ClientSampleId :
OW-2

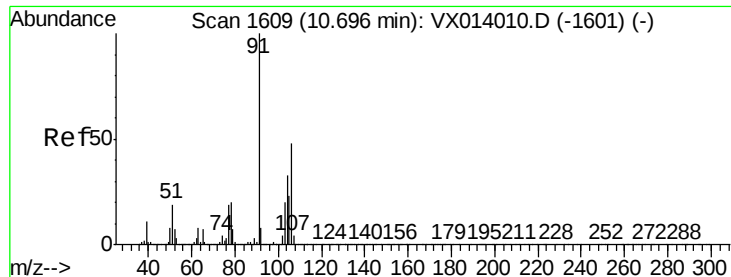
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.7	42.2	63.4
119	31.7	25.1	37.7



#68
m/p-Xylenes
Concen: 0.539 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX014322.D
Acq: 27 Dec 2019 20:24

Tgt Ion	Ratio	Lower	Upper
106	100		
91	200.5	158.6	238.0

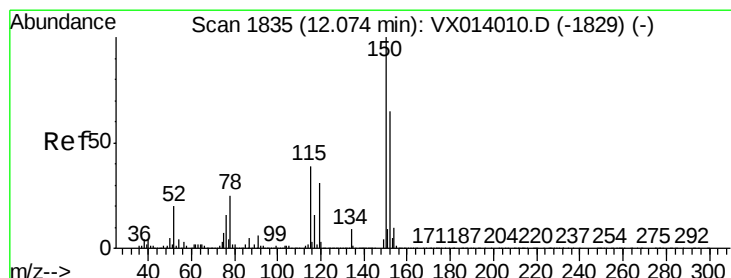
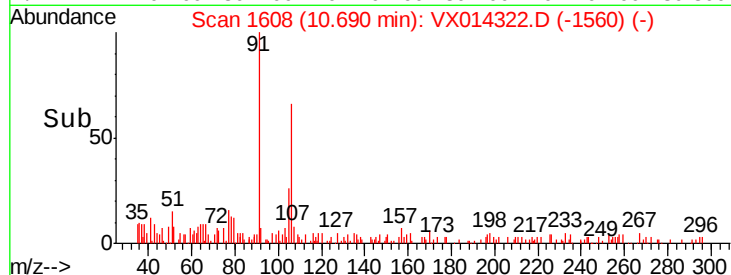
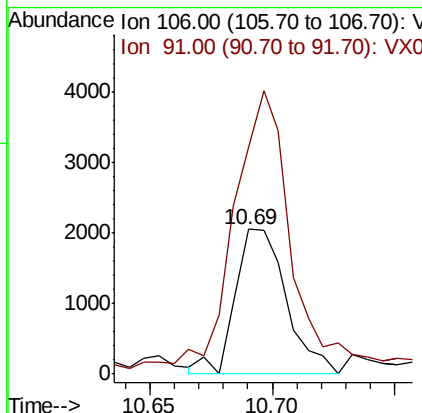
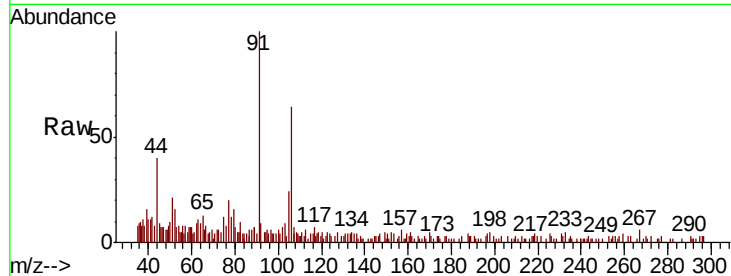




#69
o-Xylene
Concen: 0.307 ug/l
RT: 10.69 min Scan# 1608
Delta R.T. -0.01 min
Lab File: VX014322.D
Acq: 27 Dec 2019 20:24

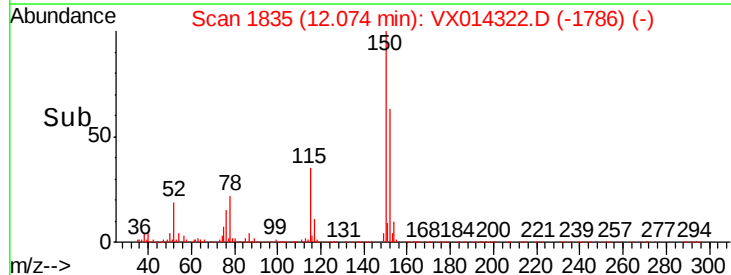
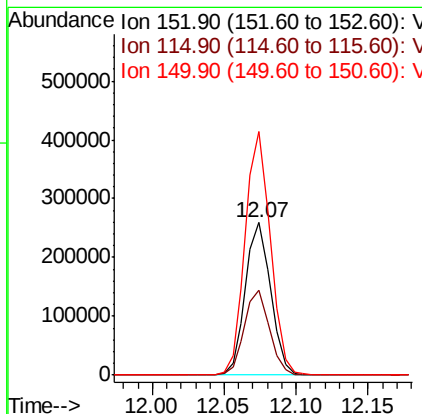
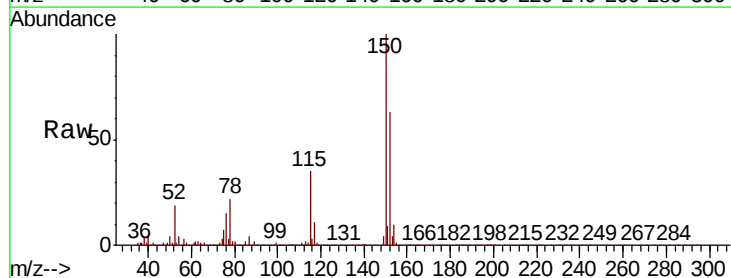
Instrument :
MSVOA_X
ClientSampled :
OW-2

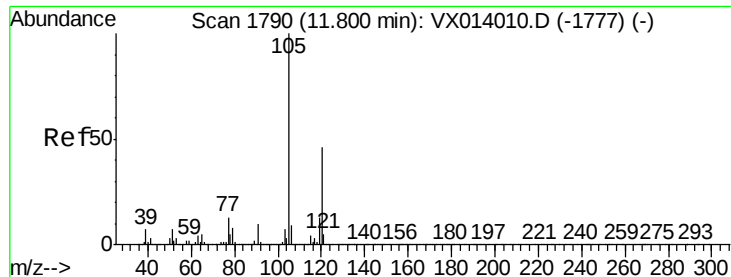
Tot Ion:106 Resp: 2979
Ion Ratio Lower Upper
106 100
91 217.1 104.2 312.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014322.D
Acq: 27 Dec 2019 20:24

Tgt Ion:152 Resp: 314310
Ion Ratio Lower Upper
152 100
115 55.4 38.3 114.9
150 159.0 0.0 345.4

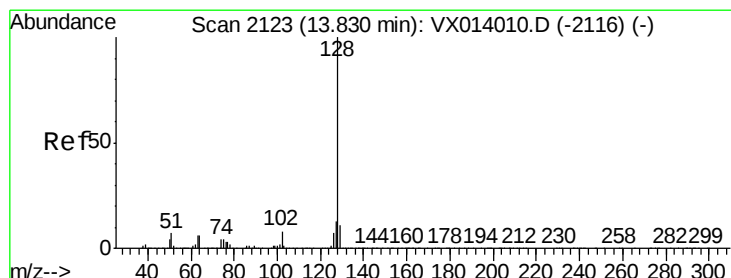
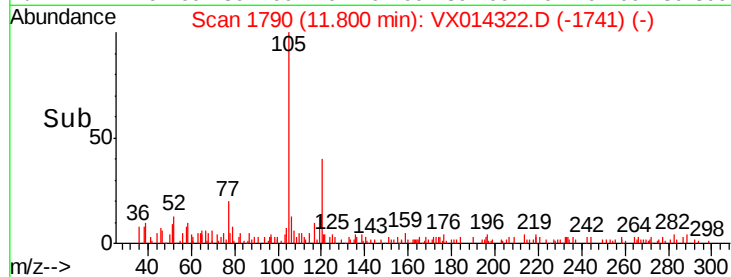
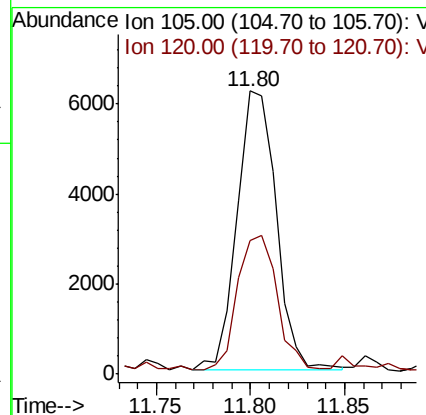
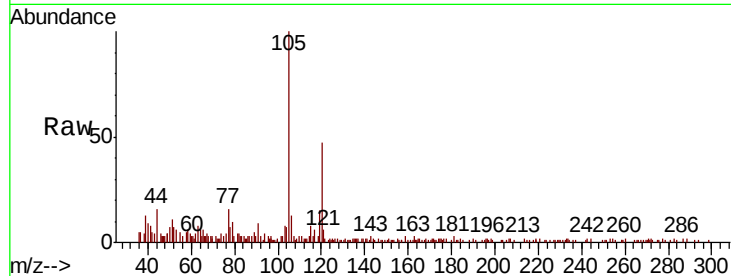




#84
 1,2,4-Trimethylbenzene
 Concen: 0.483 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. 0.00 min
 Lab File: VX014322.D
 Acq: 27 Dec 2019 20:24

Instrument :
 MSVOA_X
 ClientSampleId :
 OW-2

Tot Ion:105 Resp: 9002
 Ion Ratio Lower Upper
 105 100
 120 48.9 23.1 69.2



#95
 Naphthalene
 Concen: 1.406 ug/l
 RT: 13.83 min Scan# 2123
 Delta R.T. 0.00 min
 Lab File: VX014322.D
 Acq: 27 Dec 2019 20:24

Tgt Ion:128 Resp: 28850
 Ion Ratio Lower Upper
 128 100
 127 17.1 10.2 15.4#
 129 14.0 8.7 13.1#

