

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100419\
 Data File : VW013437.D
 Acq On : 04 Oct 2019 14:28
 Operator : SY/VA
 Sample : K5213-01
 Misc : 5.04G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 S-1(0-5)

Quant Time: Oct 05 05:37:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 02 11:49:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	327549	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	484195	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	405456	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	184073	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	132167	54.04	ug/l	0.00
Spiked Amount			Recovery	=	108.08%	
35) Dibromofluoromethane	7.88	113	127019	49.99	ug/l	0.00
Spiked Amount			Recovery	=	99.98%	
50) Toluene-d8	10.32	98	565866	53.67	ug/l	0.00
Spiked Amount			Recovery	=	107.34%	
62) 4-Bromofluorobenzene	12.62	95	179159	50.89	ug/l	0.00
Spiked Amount			Recovery	=	101.78%	

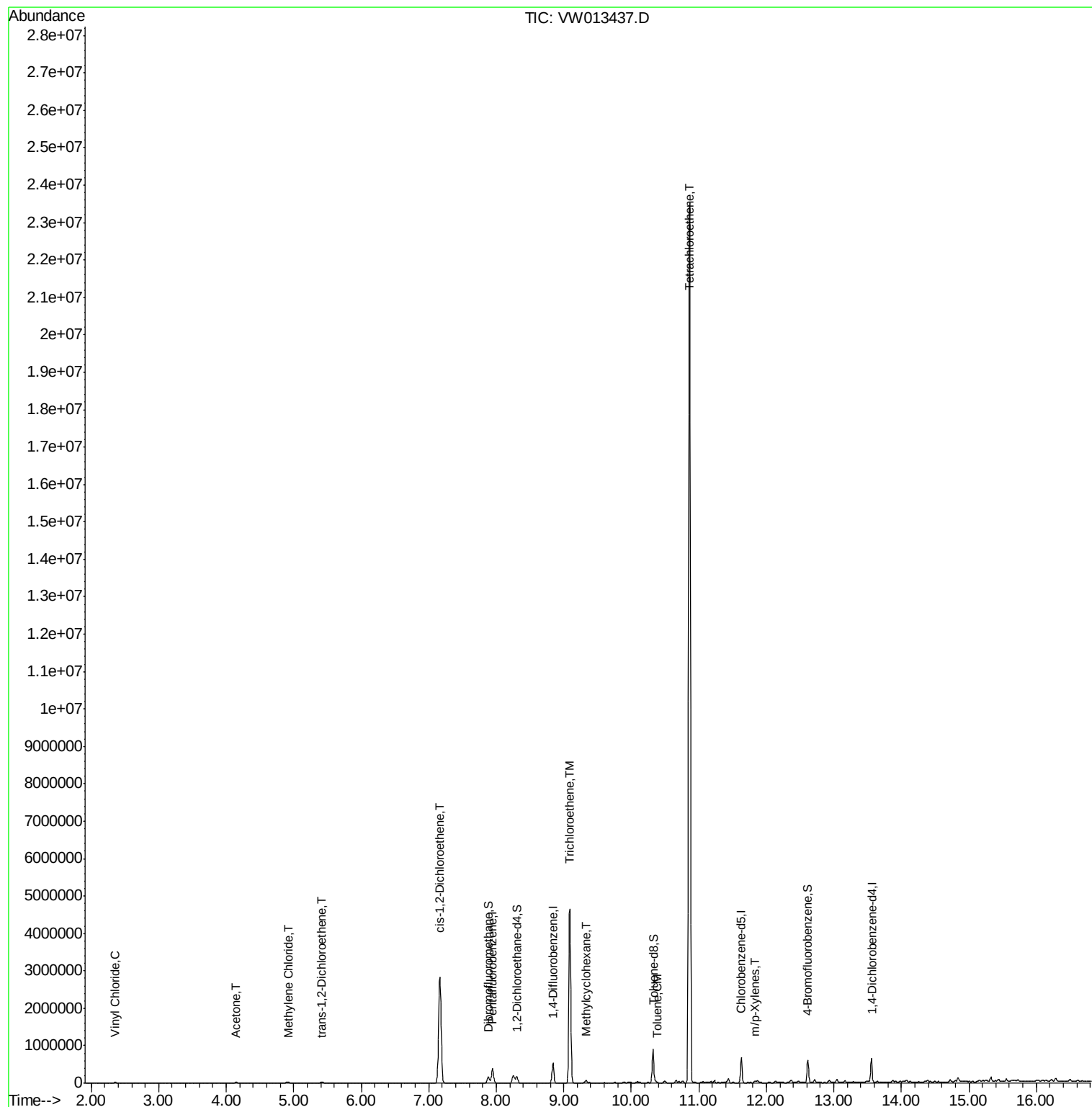
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.35	62	33020	11.129	ug/l	95
16) Acetone	4.14	43	34449	45.953	ug/l	96
20) Methylene Chloride	4.91	84	21373	5.226	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	14824	4.617	ug/l	92
27) cis-1,2-Dichloroethene	7.17	96	1803386	536.547	ug/l	90
39) Methylcyclohexane	9.33	83	26658	4.501	ug/l	96
44) Trichloroethene	9.09	130	1767579	493.049	ug/l	97
52) Toluene	10.38	92	8675	1.056	ug/l	98
64) Tetrachloroethene	10.87	164	6164766	1998.518	ug/l	99
68) m/p-Xylenes	11.83	106	10462	1.821	ug/l	89

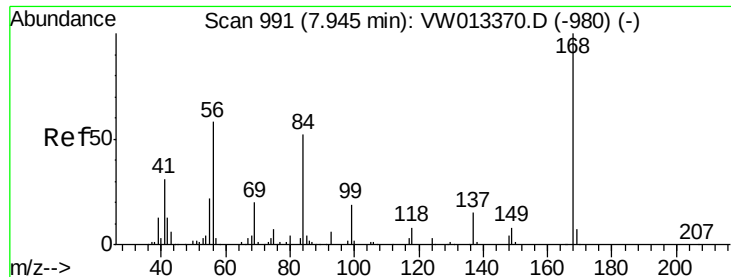
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 05 05:37:13 2019
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Quant Title : SW846 8260
QLast Update : Wed Oct 02 11:49:57 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013437.D

Acq: 04 Oct 2019 14:28

Instrument :

MSVOA_W

ClientSampleId :

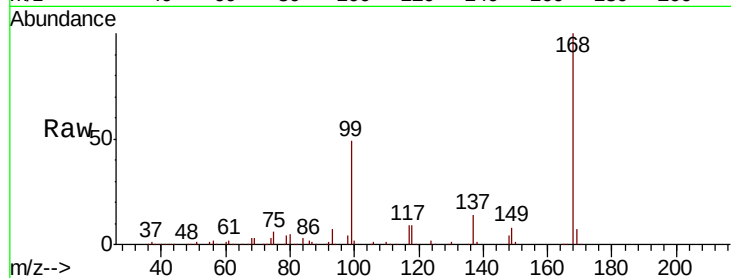
S-1(0-5)

Tot Ion:168 Resp: 327549

Ion Ratio Lower Upper

168 100

99 48.7 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

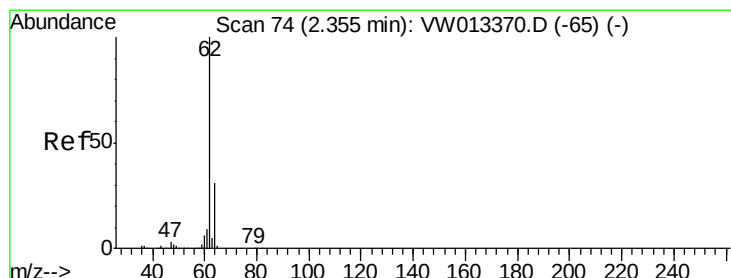
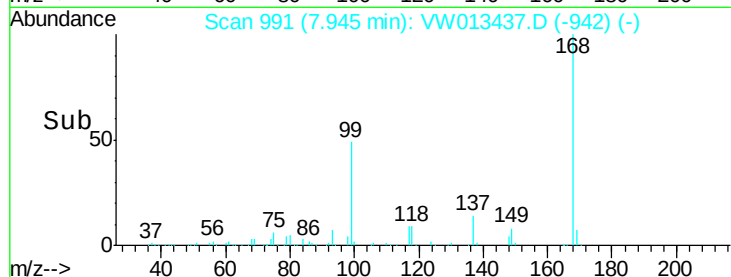
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#4

Vinyl Chloride

Concen: 11.129 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW013437.D

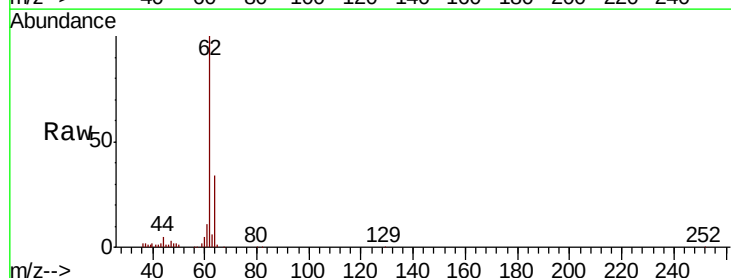
Acq: 04 Oct 2019 14:28

Tgt Ion: 62 Resp: 33020

Ion Ratio Lower Upper

62 100

64 34.5 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW

2.35

20000

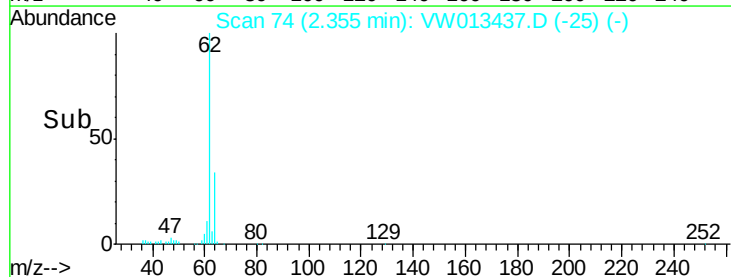
15000

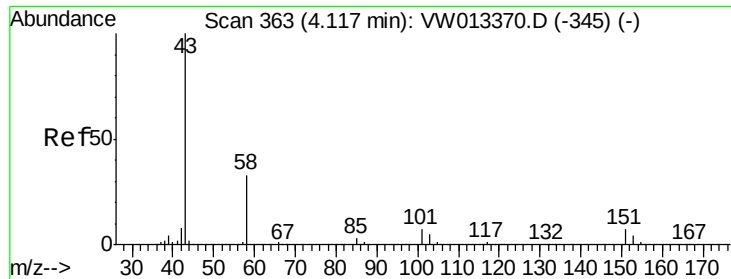
10000

5000

0

Time--> 2.25 2.30 2.35 2.40 2.45





#16

Acetone

Concen: 45.953 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW013437.D

Acq: 04 Oct 2019 14:28

Instrument :

MSVOA_W

ClientSampled :

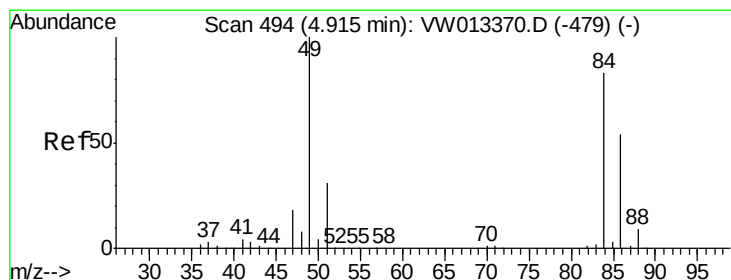
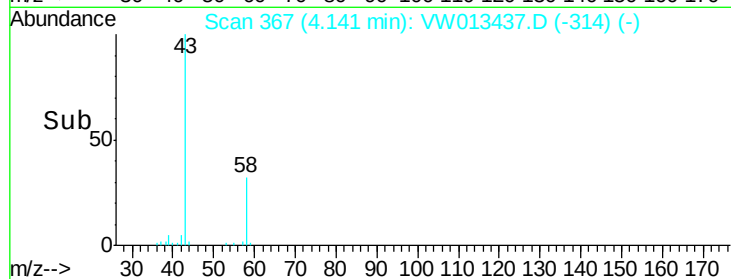
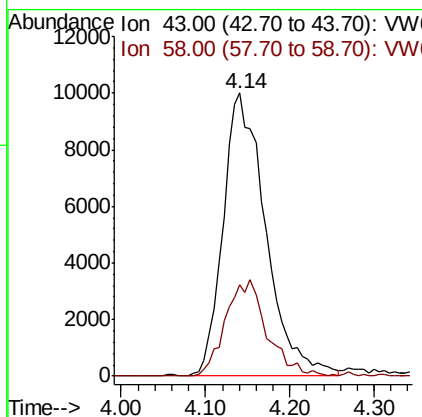
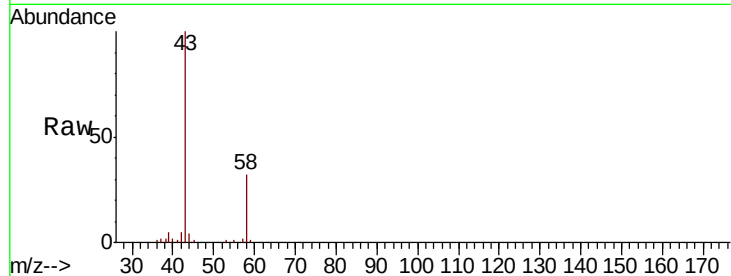
S-1(0-5)

Tot Ion: 43 Resp: 34449

Ion Ratio Lower Upper

43 100

58 32.3 24.1 36.1



#20

Methylene Chloride

Concen: 5.226 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW013437.D

Acq: 04 Oct 2019 14:28

Tgt Ion: 84 Resp: 21373

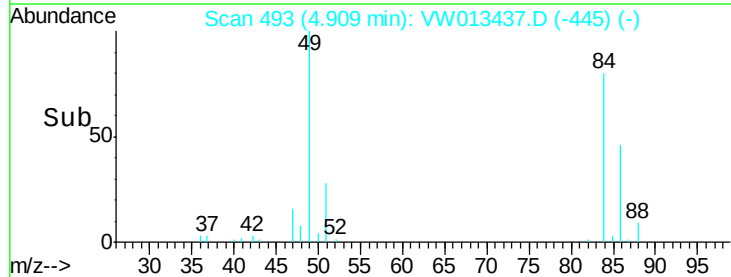
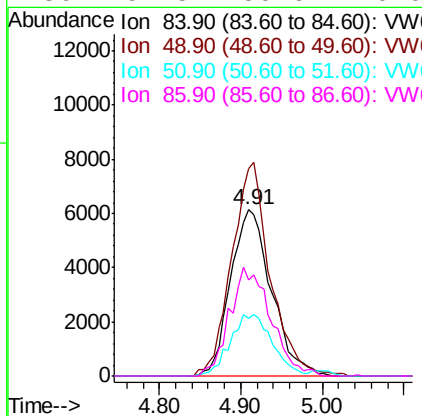
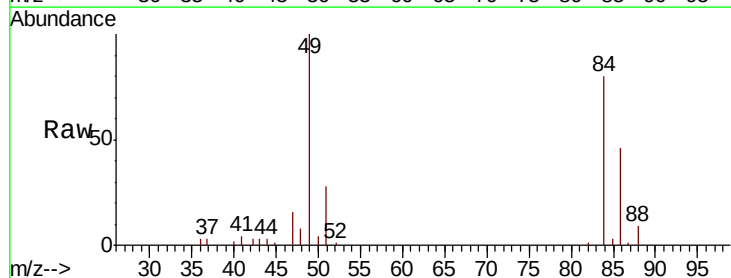
Ion Ratio Lower Upper

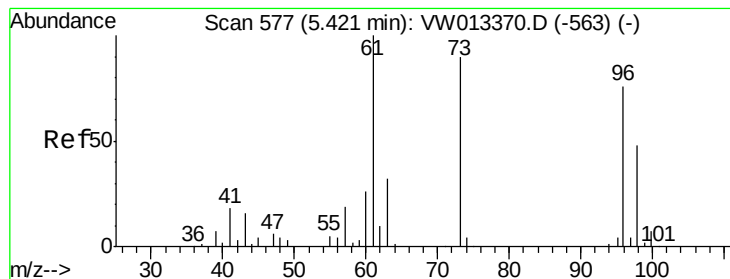
84 100

49 124.7 97.6 146.4

51 34.8 30.2 45.2

86 57.5 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 4.617 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW013437.D

Acq: 04 Oct 2019 14:28

Instrument :

MSVOA_W

ClientSampled :

S-1(0-5)

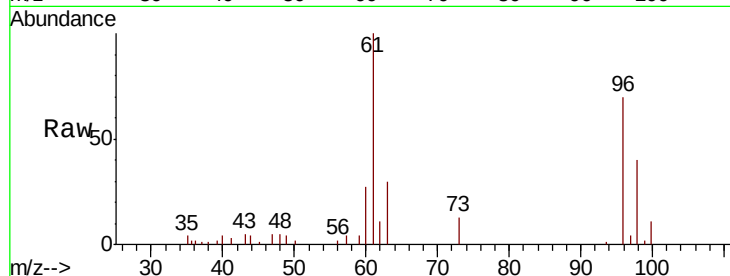
Tot Ion: 96 Resp: 14824

Ion Ratio Lower Upper

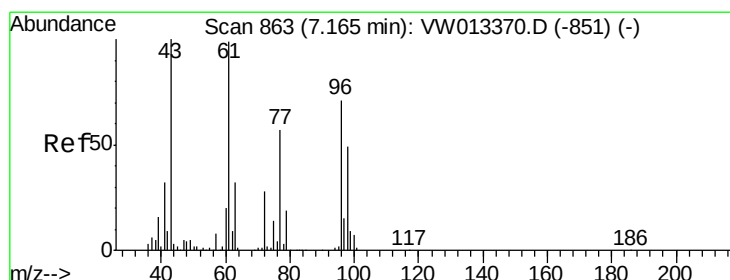
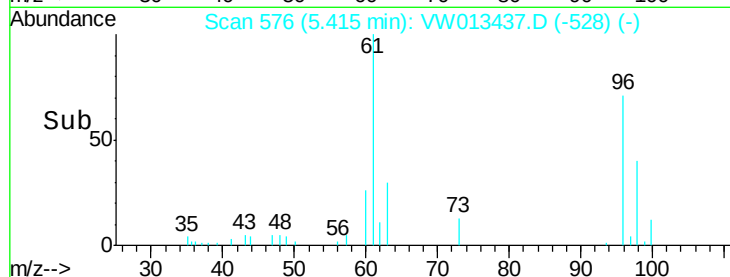
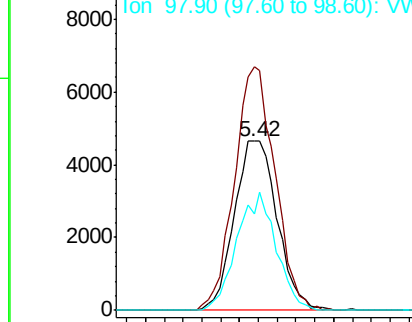
96 100

61 143.9 106.6 159.8

98 57.3 49.8 74.8



Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#27

cis-1,2-Dichloroethene

Concen: 536.547 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW013437.D

Acq: 04 Oct 2019 14:28

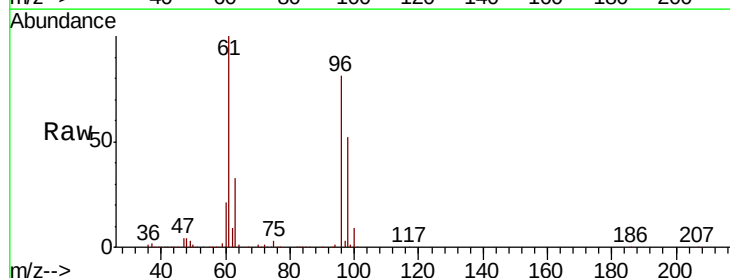
Tgt Ion: 96 Resp: 1803386

Ion Ratio Lower Upper

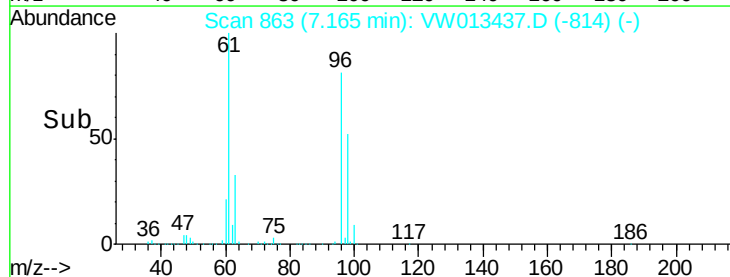
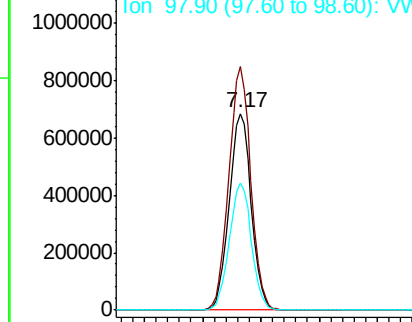
96 100

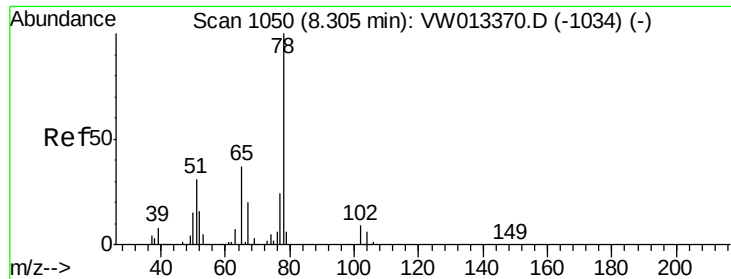
61 123.1 0.0 282.4

98 64.5 0.0 128.2



Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW

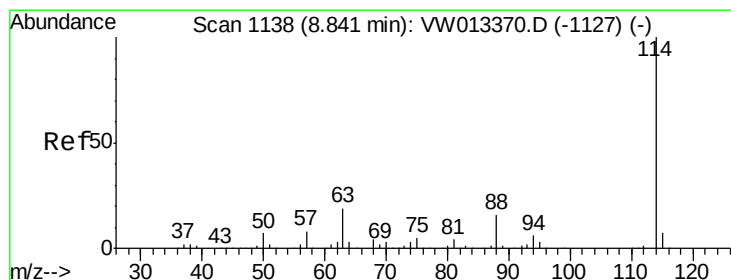
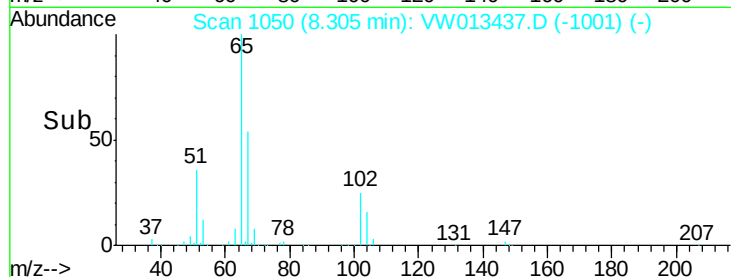
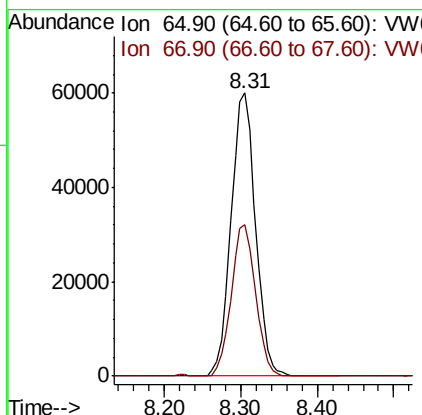
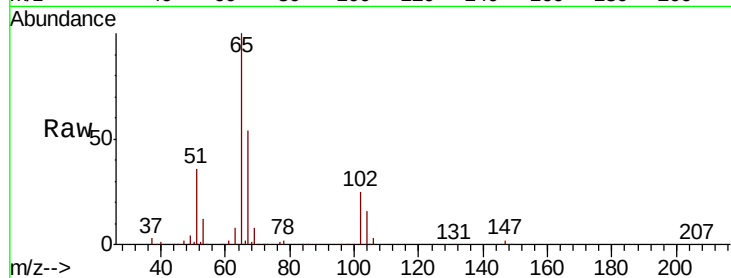




#33
 1,2-Dichloroethane-d4
 Concen: 54.040 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW013437.D
 Acq: 04 Oct 2019 14:28

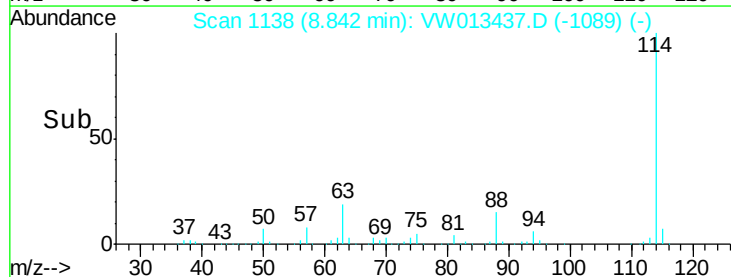
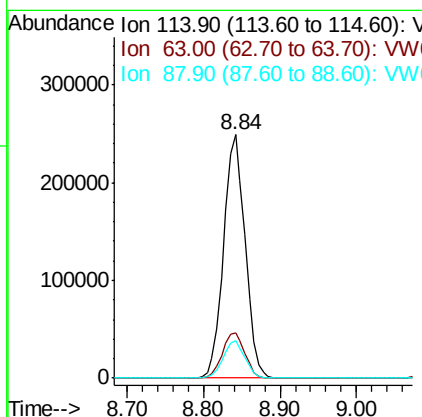
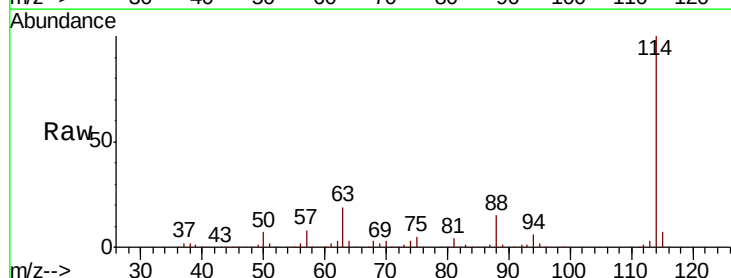
Instrument :
 MSVOA_W
 ClientSampleId :
 S-1(0-5)

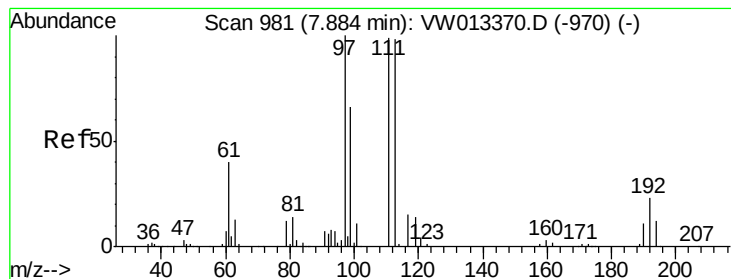
Tot Ion: 65 Resp: 132167
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013437.D
 Acq: 04 Oct 2019 14:28

Tgt Ion: 114 Resp: 484195
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 41.4
 88 15.4 0.0 32.0





#35

Dibromofluoromethane

Concen: 49.994 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW013437.D

Acq: 04 Oct 2019 14:28

Instrument :

MSVOA_W

ClientSampleId :

S-1(0-5)

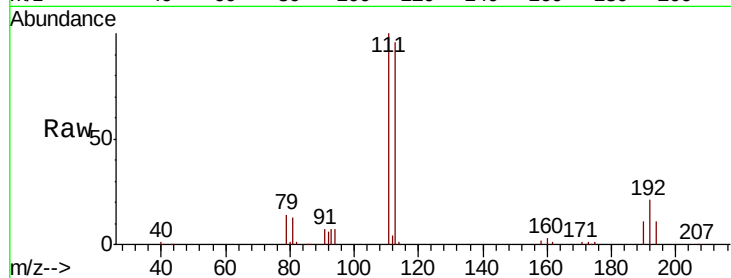
Tot Ion:113 Resp: 127019

Ion Ratio Lower Upper

113 100

111 101.2 81.9 122.9

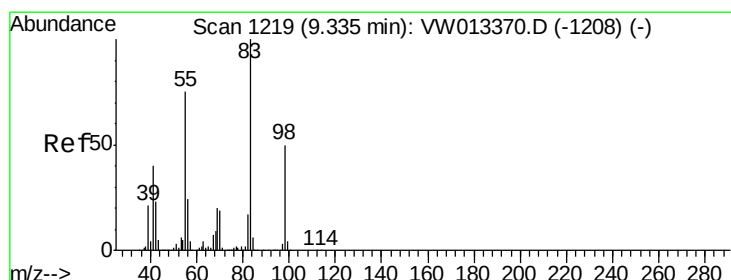
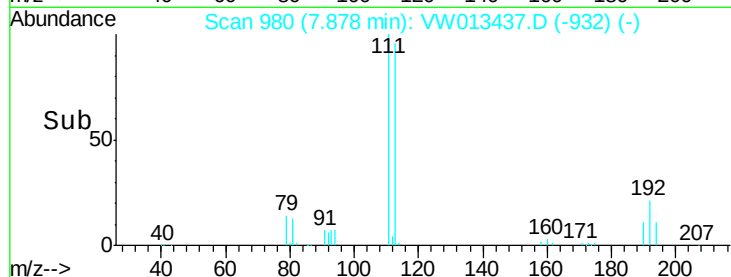
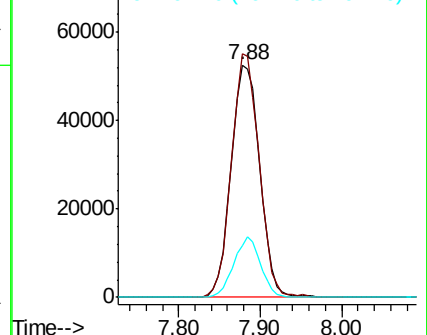
192 24.2 19.1 28.7



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

Methylcyclohexane

Concen: 4.501 ug/l

RT: 9.33 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VW013437.D

Acq: 04 Oct 2019 14:28

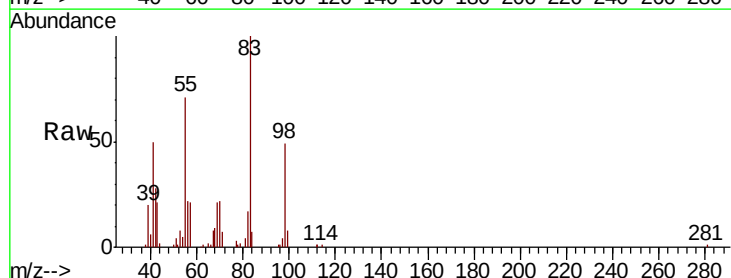
Tgt Ion: 83 Resp: 26658

Ion Ratio Lower Upper

83 100

55 71.2 60.4 90.6

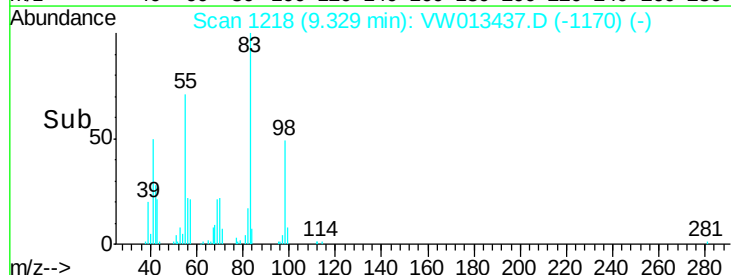
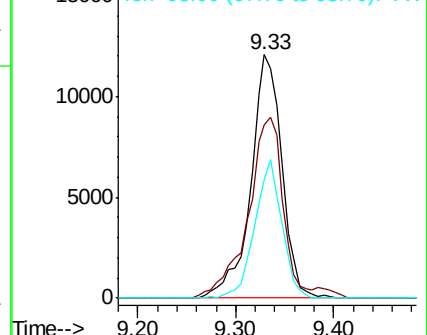
98 48.6 40.0 60.0

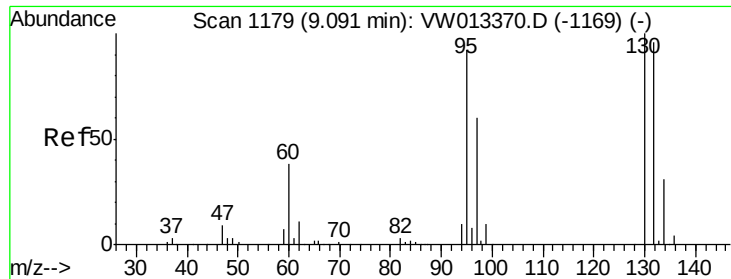


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

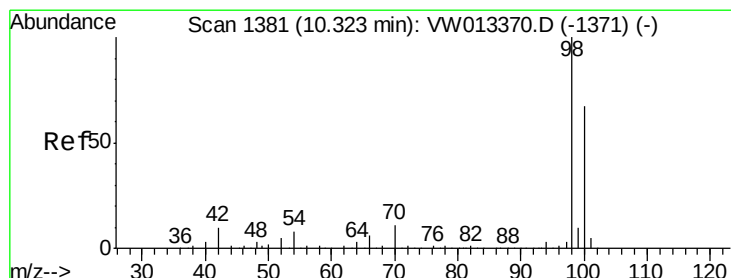
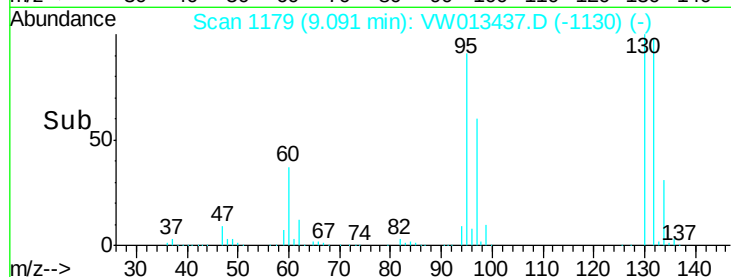
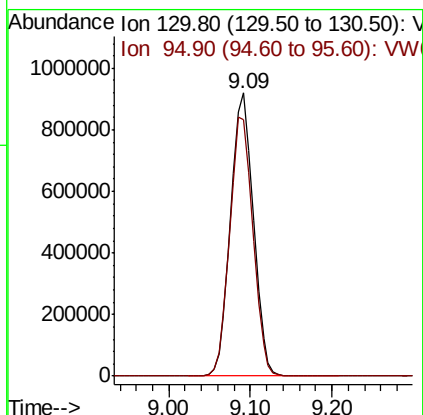
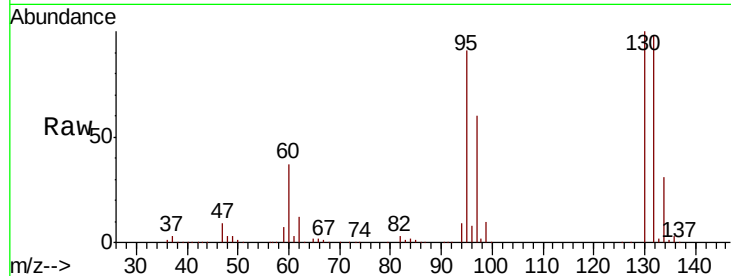




#44
 Trichloroethene
 Concen: 493.049 ug/l
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW013437.D
 Acq: 04 Oct 2019 14:28

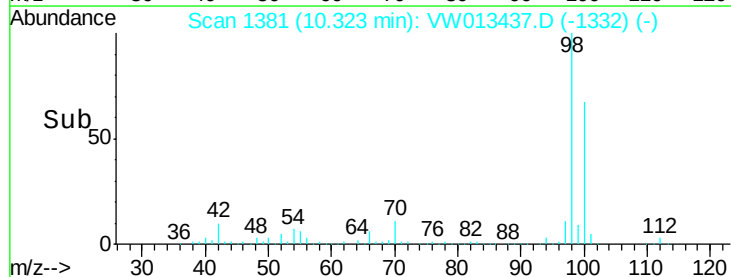
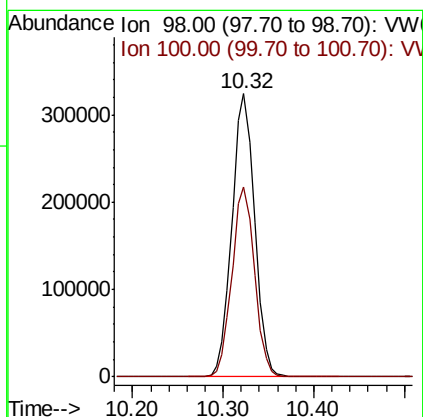
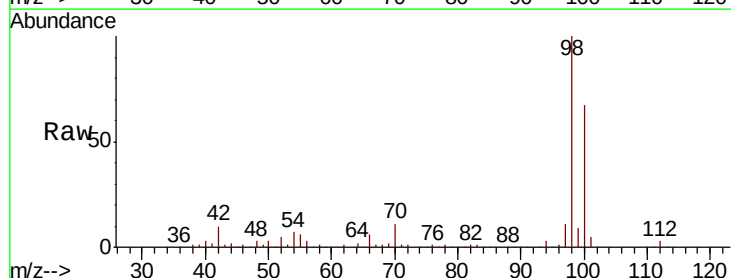
Instrument :
 MSVOA_W
 ClientSampled :
 S-1(0-5)

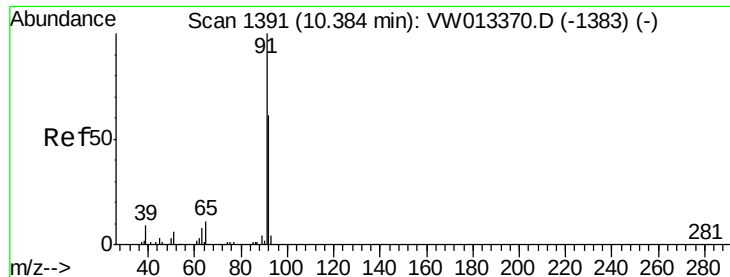
Tot Ion:130 Resp: 1767579
 Ion Ratio Lower Upper
 130 100
 95 90.7 0.0 188.0



#50
 Toluene-d8
 Concen: 53.670 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VW013437.D
 Acq: 04 Oct 2019 14:28

Tgt Ion: 98 Resp: 565866
 Ion Ratio Lower Upper
 98 100
 100 66.1 52.9 79.3





#52

Toluene

Concen: 1.056 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW013437.D

Acq: 04 Oct 2019 14:28

Instrument :

MSVOA_W

ClientSampleId :

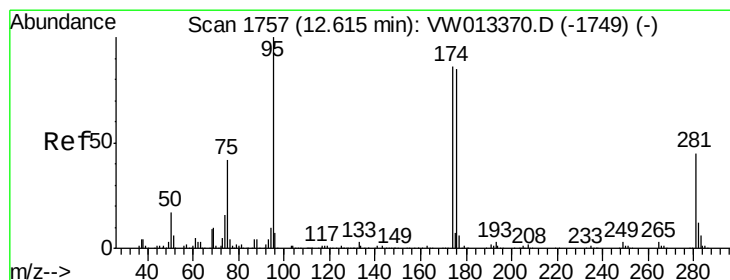
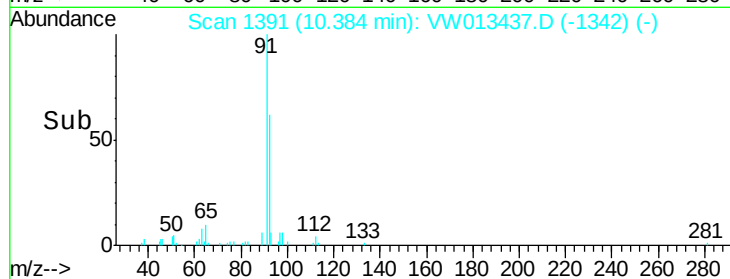
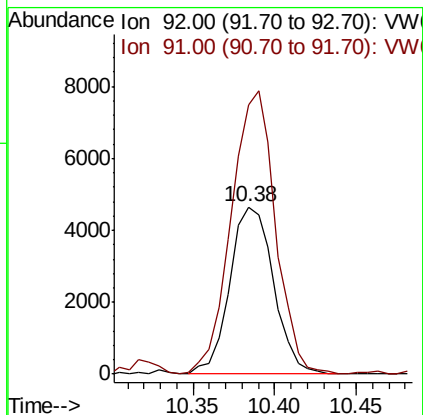
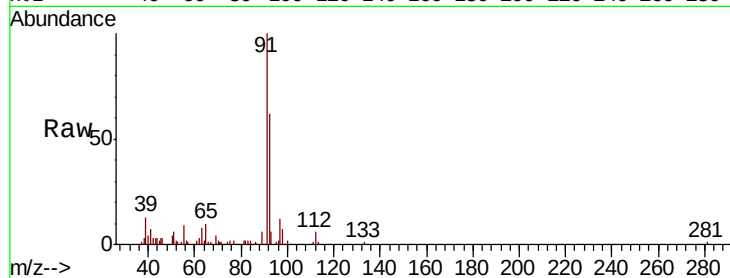
S-1(0-5)

Tot Ion: 92 Resp: 8675

Ion Ratio Lower Upper

92 100

91 171.7 135.7 203.5



#62

4-Bromofluorobenzene

Concen: 50.886 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW013437.D

Acq: 04 Oct 2019 14:28

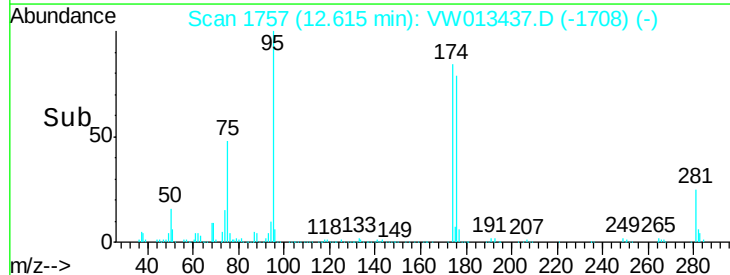
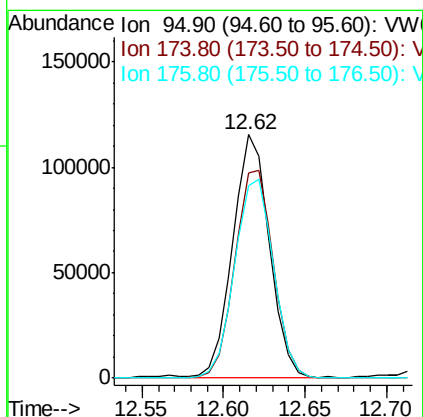
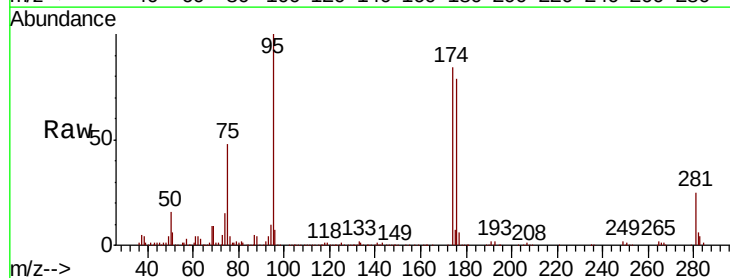
Tgt Ion: 95 Resp: 179159

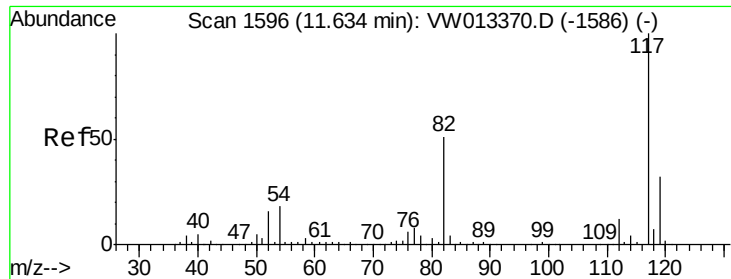
Ion Ratio Lower Upper

95 100

174 90.4 0.0 178.4

176 87.7 0.0 172.2

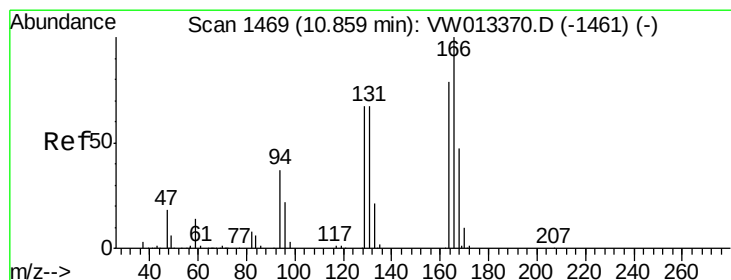
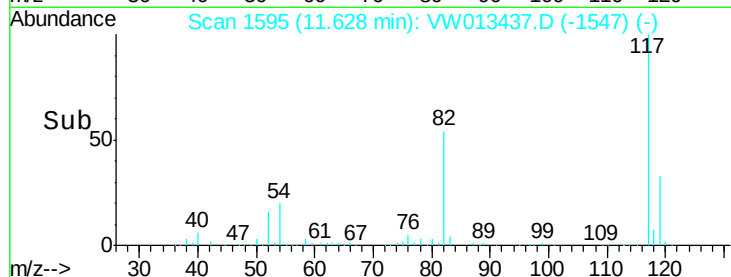
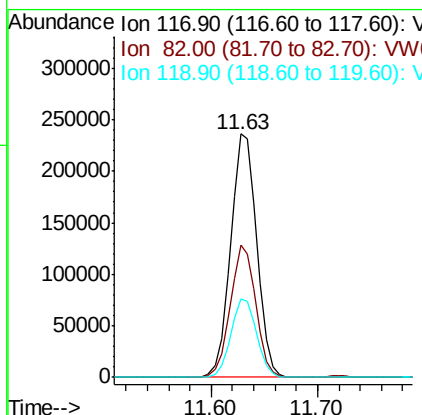
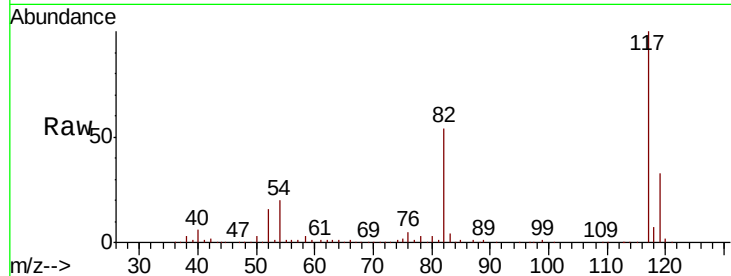




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013437.D
Acq: 04 Oct 2019 14:28

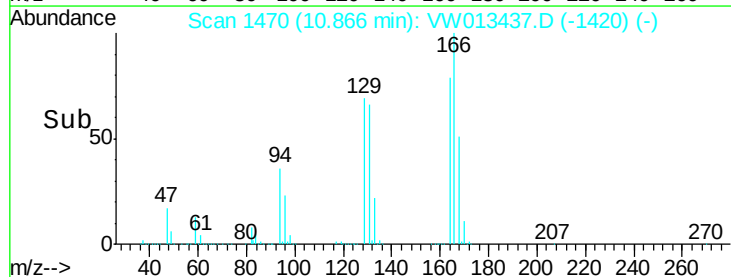
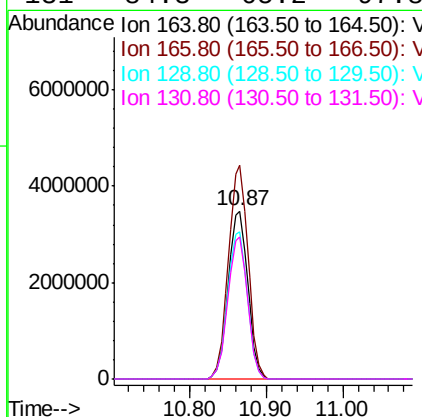
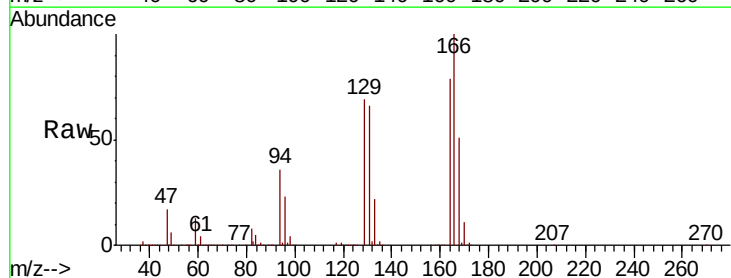
Instrument :
MSVOA_W
ClientSampled :
S-1(0-5)

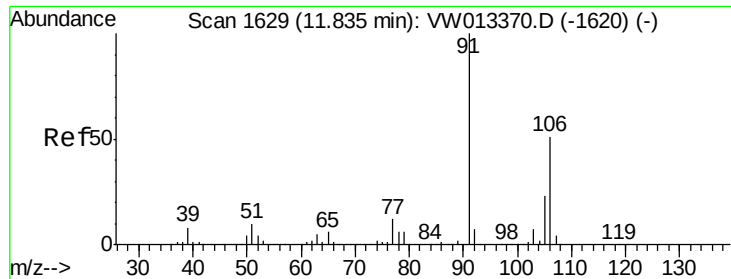
Tot Ion:117 Resp: 405456
Ion Ratio Lower Upper
117 100
82 54.2 45.9 68.9
119 32.5 26.2 39.2



#64
Tetrachloroethene
Concen: 1998.518 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW013437.D
Acq: 04 Oct 2019 14:28

Tgt Ion:164 Resp: 6164766
Ion Ratio Lower Upper
164 100
166 126.9 101.2 151.8
129 87.3 68.8 103.2
131 84.3 65.2 97.8

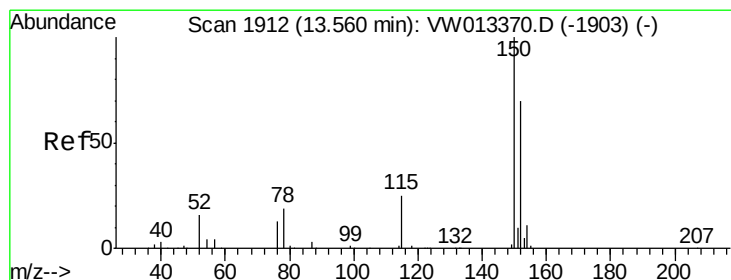
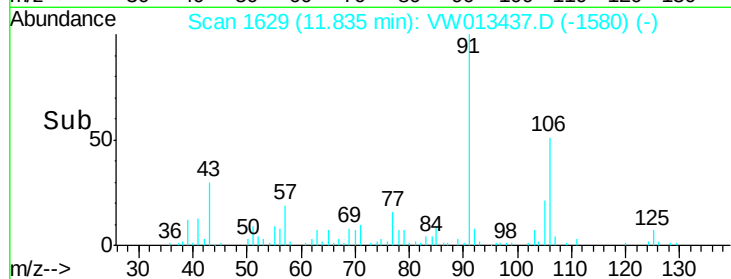
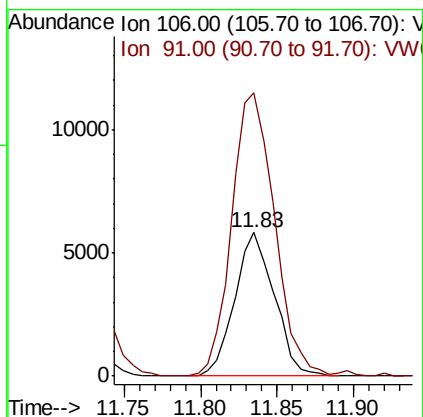
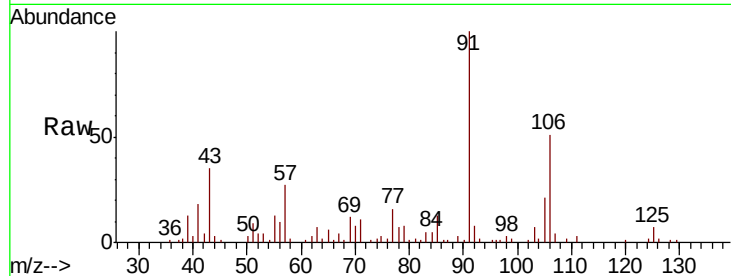




#68
m/p-Xvlenes
Concen: 1.821 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW013437.D
Acq: 04 Oct 2019 14:28

Instrument :
MSVOA_W
ClientSampleId :
S-1(0-5)

Tot Ion:106 Resp: 10462
Ion Ratio Lower Upper
106 100
91 213.3 157.9 236.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW013437.D
Acq: 04 Oct 2019 14:28

Tgt Ion:152 Resp: 184073
Ion Ratio Lower Upper
152 100
115 54.8 27.3 81.9
150 158.0 0.0 349.0

