

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100419\
 Data File : VW013442.D
 Acq On : 04 Oct 2019 16:37
 Operator : SY/VA
 Sample : K5213-06
 Misc : 5.06G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 S-3(5-10)

Quant Time: Oct 05 06:30:42 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	299238	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	456348	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	337380	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	200086	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	123206	55.14	ug/l	0.00
Spiked Amount			Recovery	=	110.28%	
35) Dibromofluoromethane	7.88	113	125172	52.27	ug/l	0.00
Spiked Amount			Recovery	=	104.54%	
50) Toluene-d8	10.32	98	515625	51.89	ug/l	0.00
Spiked Amount			Recovery	=	103.78%	
62) 4-Bromofluorobenzene	12.62	95	197042	59.38	ug/l	0.00
Spiked Amount			Recovery	=	118.76%	

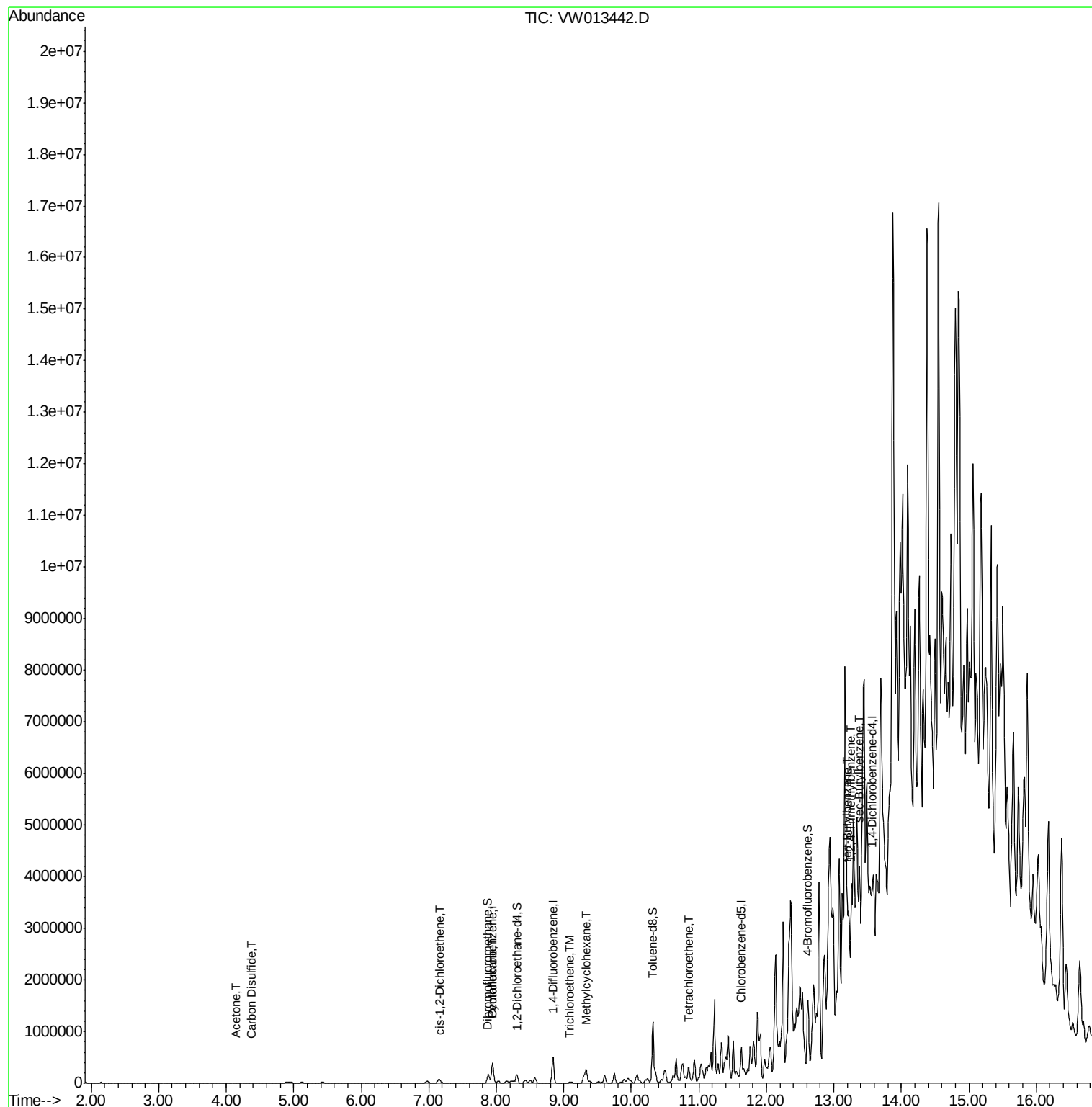
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.15	43	14277	20.846	ug/l	98
17) Carbon Disulfide	4.37	76	10022	1.304	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	9095	2.962	ug/l	97
31) Cyclohexane	7.95	56	30976	6.060	ug/l #	69
39) Methylcyclohexane	9.33	83	129828	23.258	ug/l	94
44) Trichloroethene	9.09	130	3805	1.126	ug/l	89
64) Tetrachloroethene	10.86	164	41159	16.035	ug/l	98
83) tert-Butylbenzene	13.21	119	11946m	1.125	ug/l	
84) 1,2,4-Trimethylbenzene	13.25	105	19679	1.628	ug/l	94
85) sec-Butylbenzene	13.38	105	26673	1.822	ug/l	93

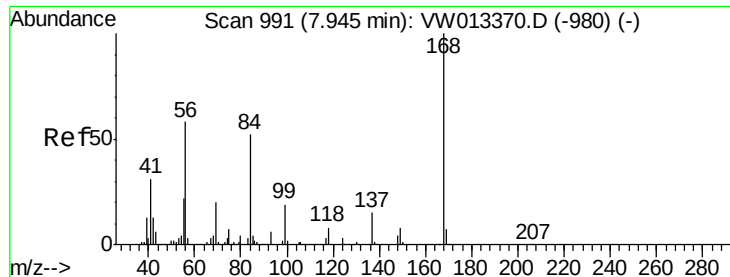
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 05 06:30:42 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
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: VW013442.D

Acq: 04 Oct 2019 16:37

Instrument :

MSVOA_W

ClientSampleId :

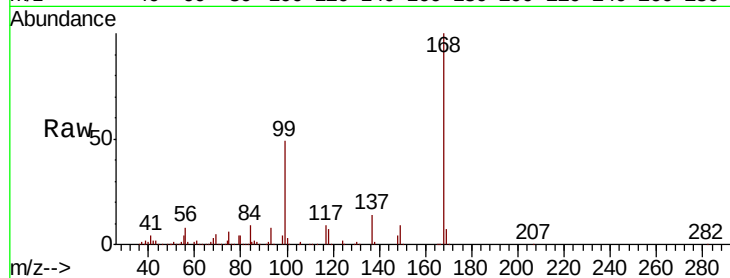
S-3(5-10)

Tot Ion:168 Resp: 299238

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

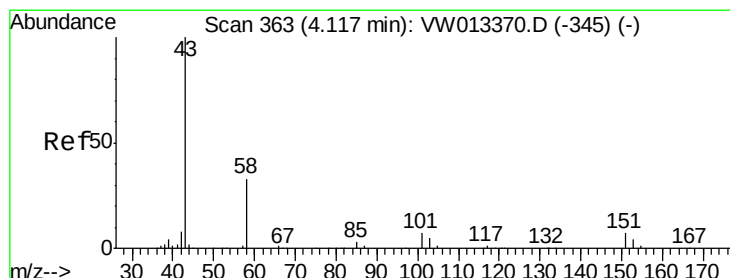
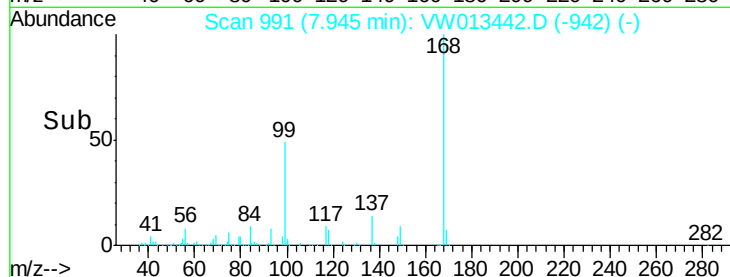
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 20.846 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.03 min

Lab File: VW013442.D

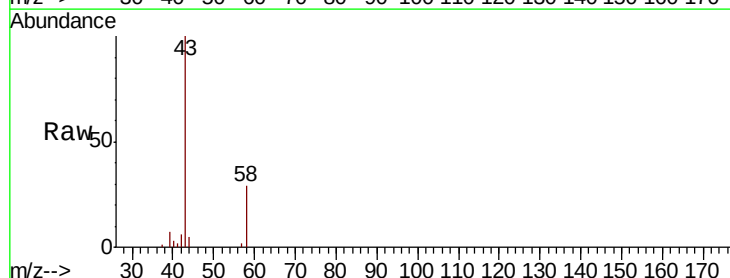
Acq: 04 Oct 2019 16:37

Tgt Ion: 43 Resp: 14277

Ion Ratio Lower Upper

43 100

58 29.1 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.15

4000

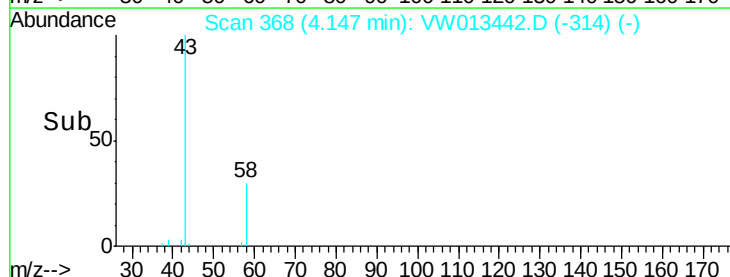
3000

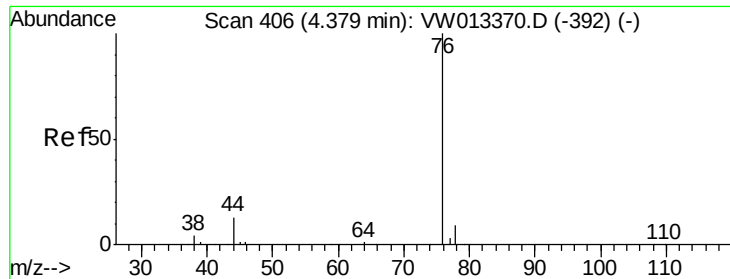
2000

1000

0

Time-->





#17

Carbon Disulfide

Concen: 1.304 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW013442.D

Acq: 04 Oct 2019 16:37

Instrument :

MSVOA_W

ClientSampleId :

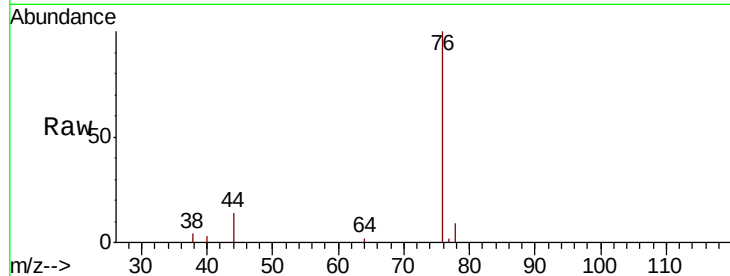
S-3(5-10)

Tot Ion: 76 Resp: 10022

Ion Ratio Lower Upper

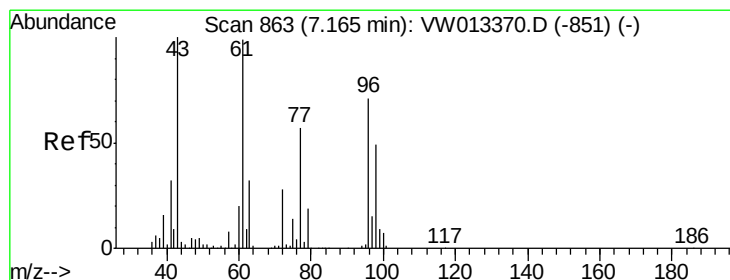
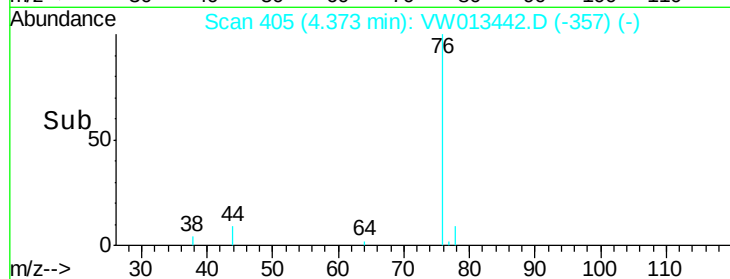
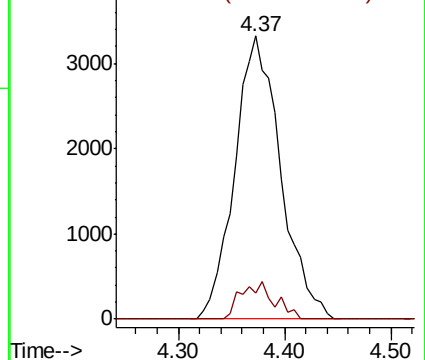
76 100

78 9.1 7.0 10.4



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#27

cis-1,2-Dichloroethene

Concen: 2.962 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013442.D

Acq: 04 Oct 2019 16:37

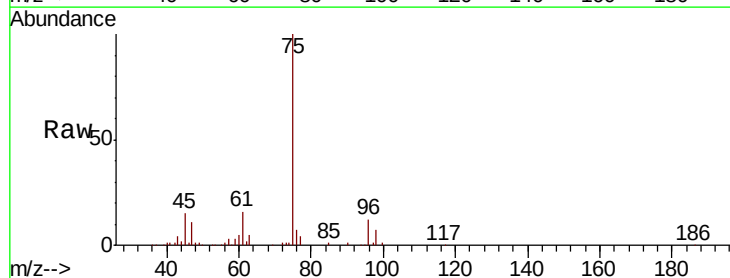
Tgt Ion: 96 Resp: 9095

Ion Ratio Lower Upper

96 100

61 145.7 0.0 282.4

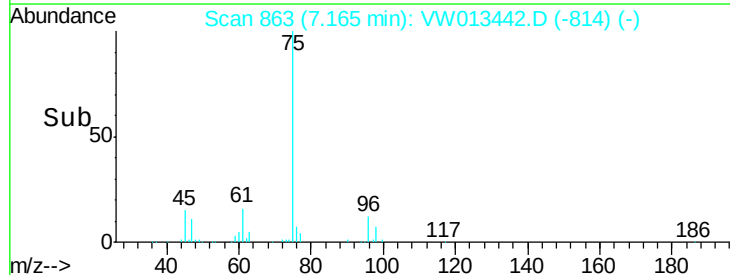
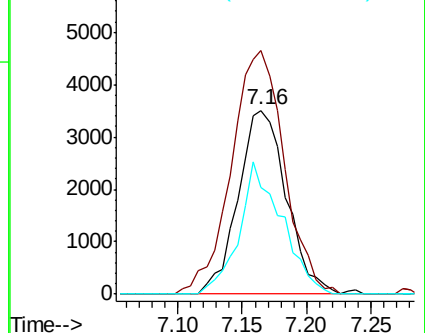
98 63.5 0.0 128.2

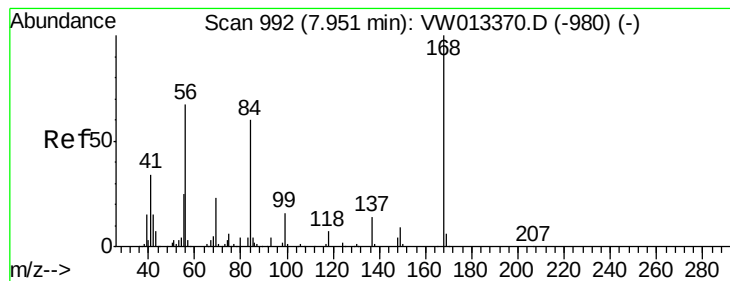


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW





#31

Cyclohexane

Concen: 6.060 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW013442.D

Acq: 04 Oct 2019 16:37

Instrument :

MSVOA_W

ClientSampleId :

S-3(5-10)

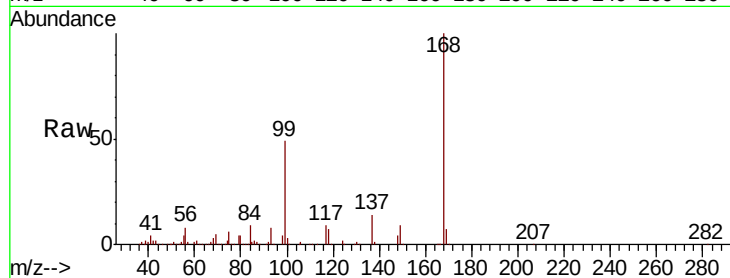
Tot Ion: 56 Resp: 30976

Ion Ratio Lower Upper

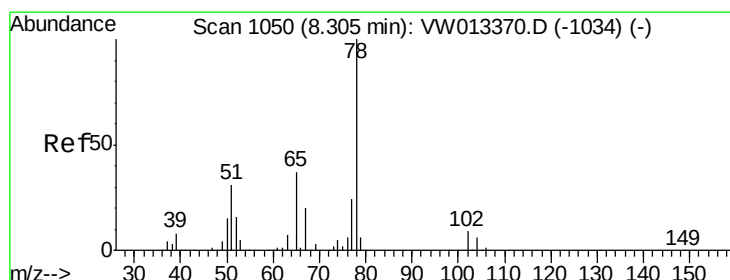
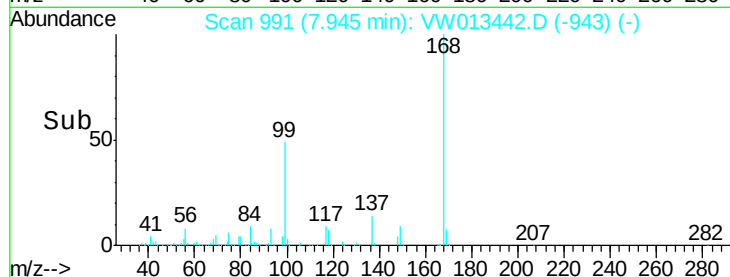
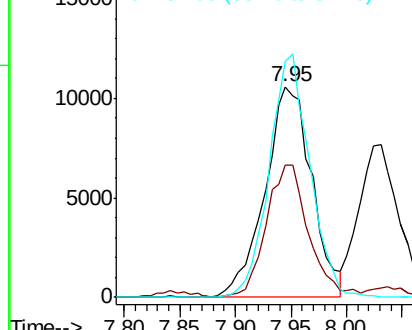
56 100

69 61.3 27.2 40.8#

84 111.9 70.8 106.2#



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 55.142 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013442.D

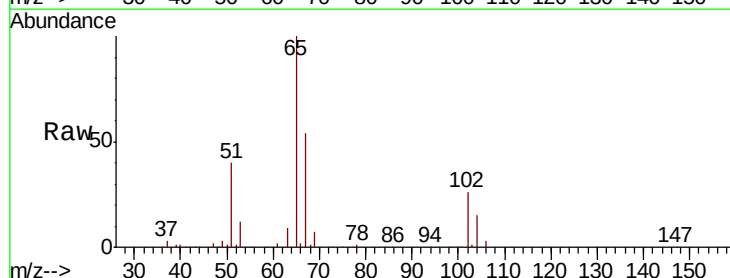
Acq: 04 Oct 2019 16:37

Tgt Ion: 65 Resp: 123206

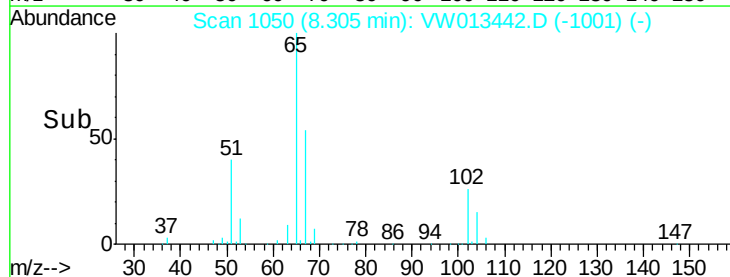
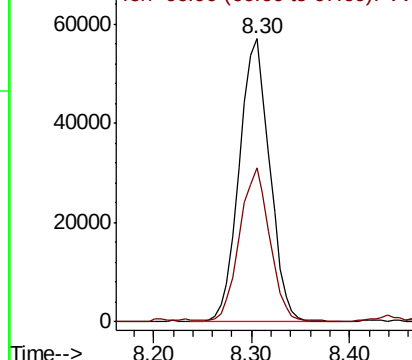
Ion Ratio Lower Upper

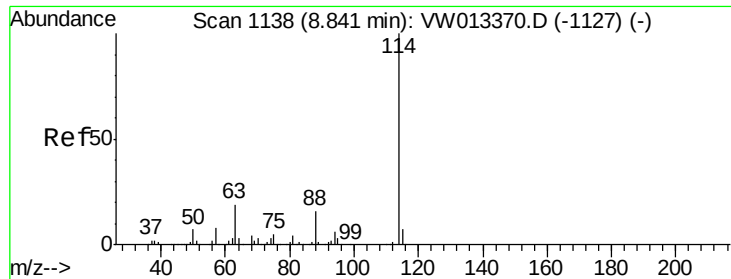
65 100

67 54.2 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

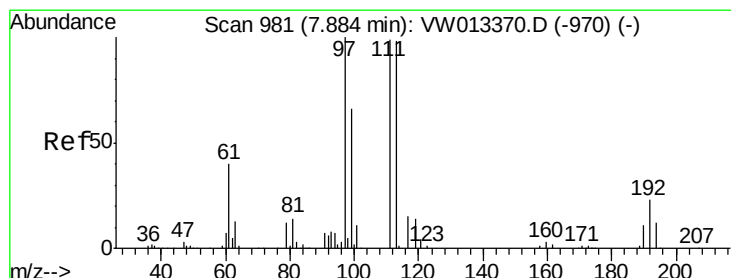
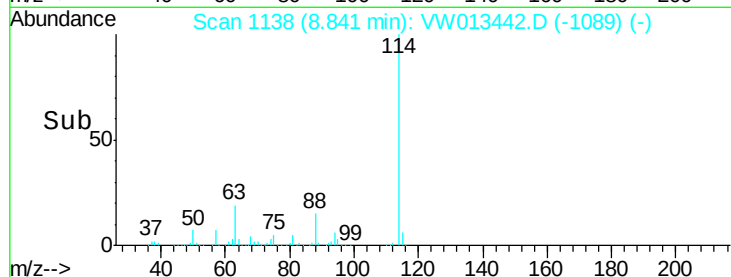
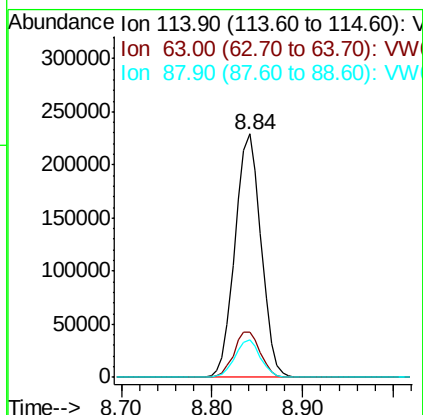
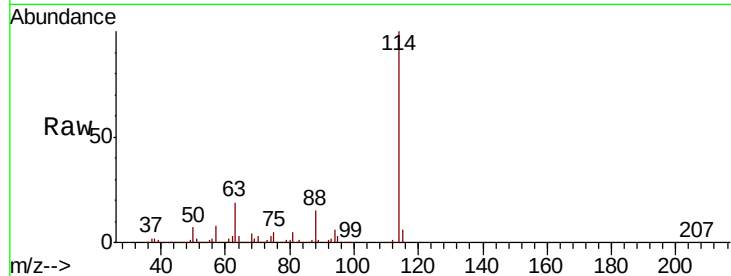




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013442.D
 Acq: 04 Oct 2019 16:37

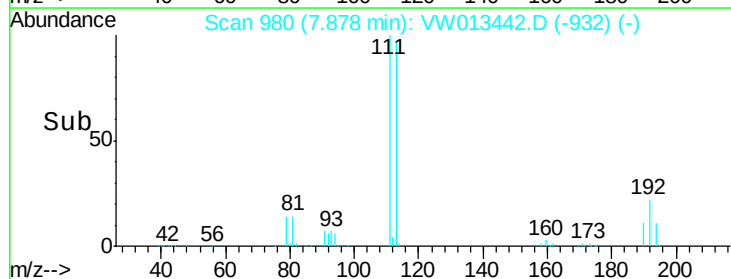
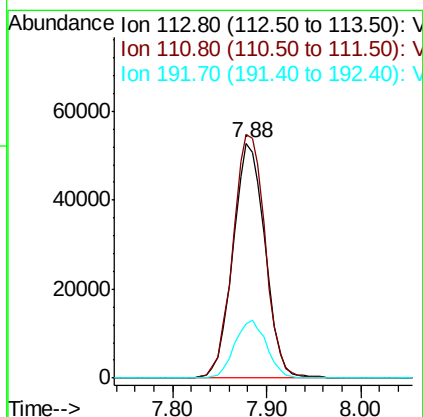
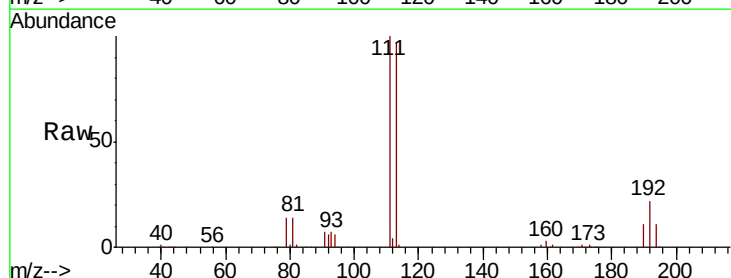
Instrument :
 MSVOA_W
 ClientSampleId :
 S-3(5-10)

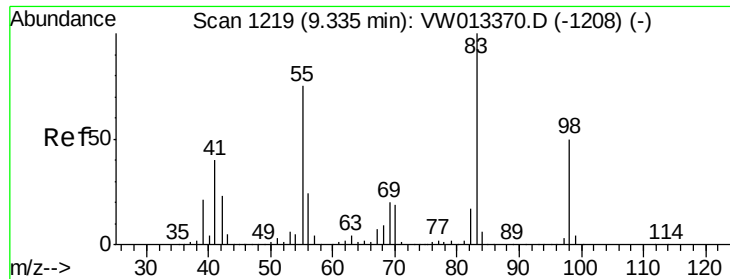
Tot Ion	Ratio	Lower	Upper
114	100		
63	18.8	0.0	41.4
88	15.4	0.0	32.0



#35
 Dibromofluoromethane
 Concen: 52.273 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW013442.D
 Acq: 04 Oct 2019 16:37

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.9	81.9	122.9
192	24.6	19.1	28.7

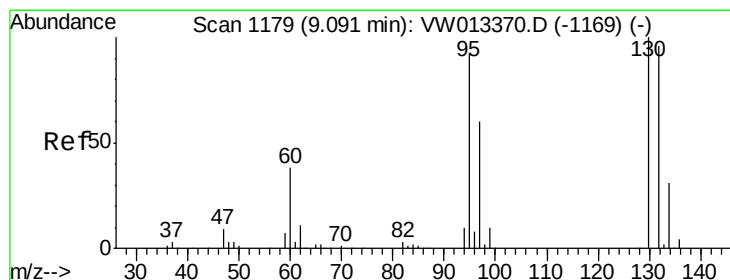
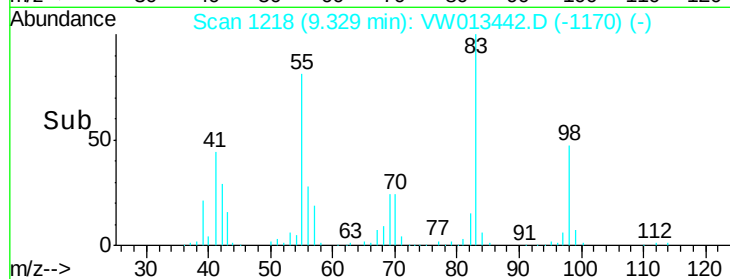
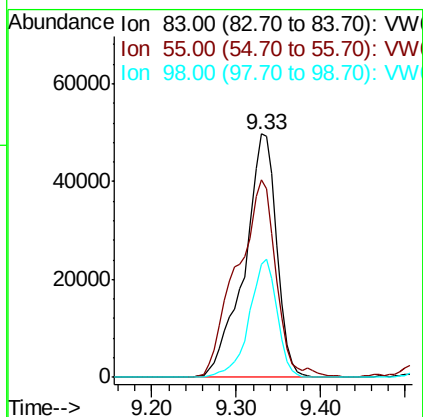
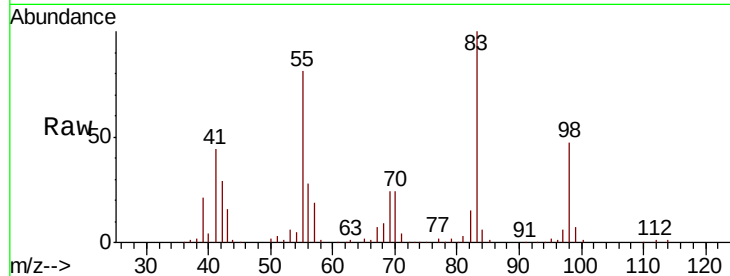




#39
Methylvlcyclohexane
Concen: 23.258 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW013442.D
Acq: 04 Oct 2019 16:37

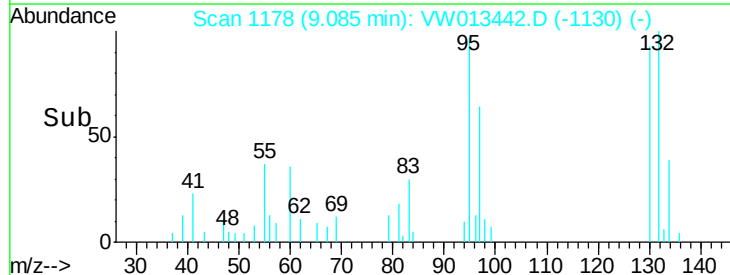
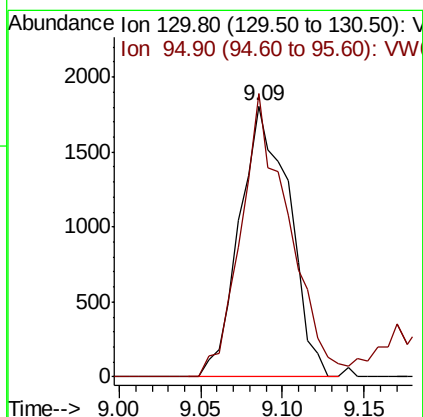
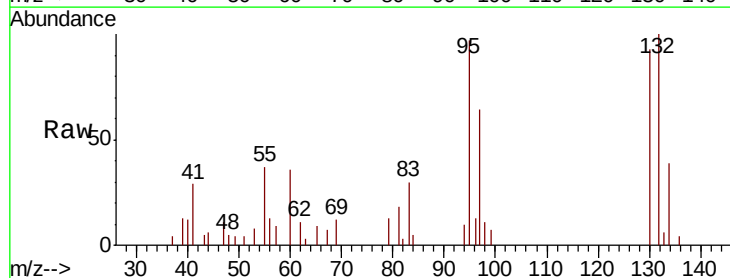
Instrument :
MSVOA_W
ClientSampleId :
S-3(5-10)

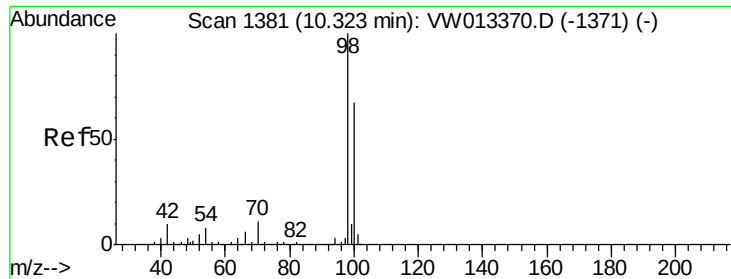
Tot Ion: 83 Resp: 129828
Ion Ratio Lower Upper
83 100
55 81.1 60.4 90.6
98 46.7 40.0 60.0



#44
Trichloroethene
Concen: 1.126 ug/l
RT: 9.09 min Scan# 1178
Delta R.T. -0.01 min
Lab File: VW013442.D
Acq: 04 Oct 2019 16:37

Tgt Ion: 130 Resp: 3805
Ion Ratio Lower Upper
130 100
95 104.5 0.0 188.0

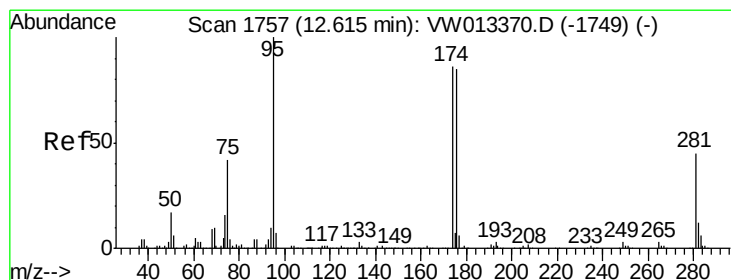
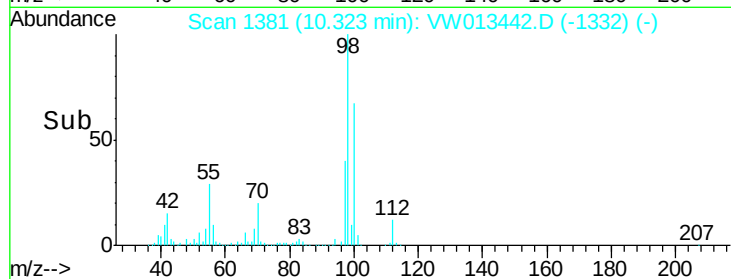
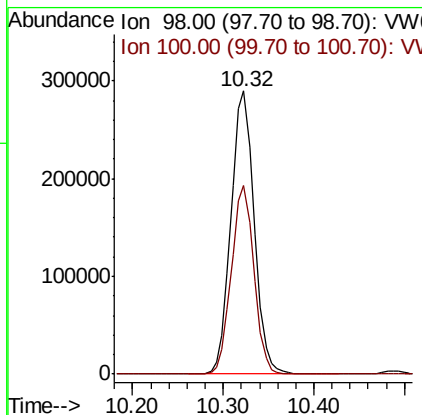
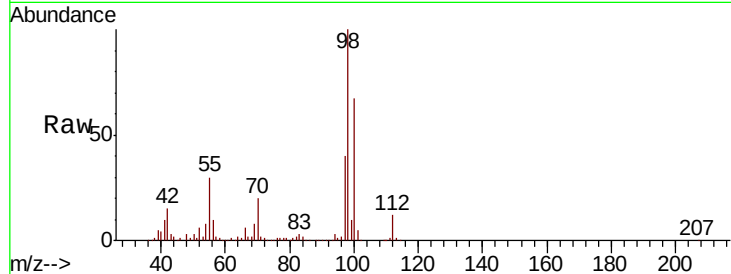




#50
Toluene-d8
Concen: 51.889 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013442.D
Acq: 04 Oct 2019 16:37

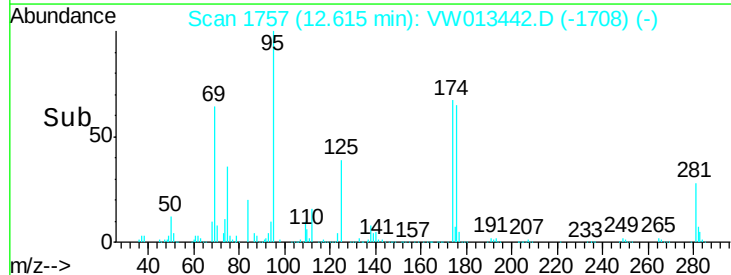
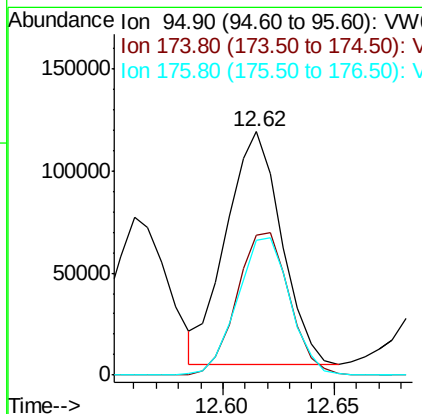
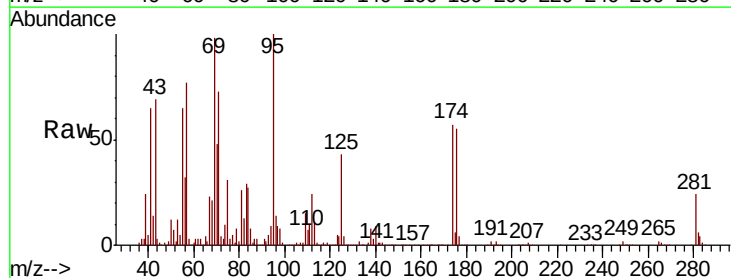
Instrument :
MSVOA_W
ClientSampleId :
S-3(5-10)

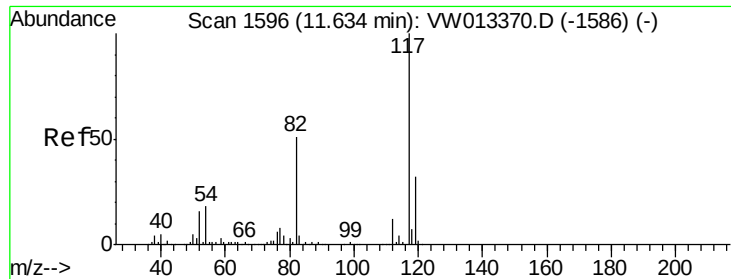
Tot Ion: 98 Resp: 515625
Ion Ratio Lower Upper
98 100
100 64.4 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 59.380 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013442.D
Acq: 04 Oct 2019 16:37

Tgt Ion: 95 Resp: 197042
Ion Ratio Lower Upper
95 100
174 58.4 0.0 178.4
176 56.4 0.0 172.2

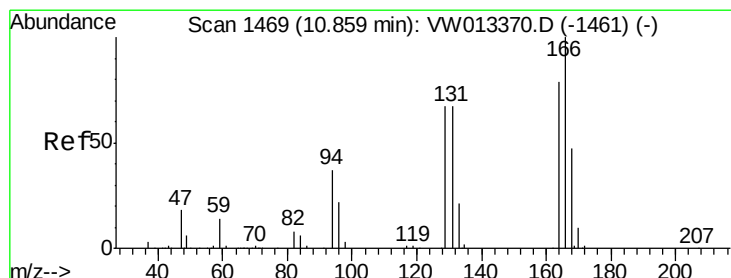
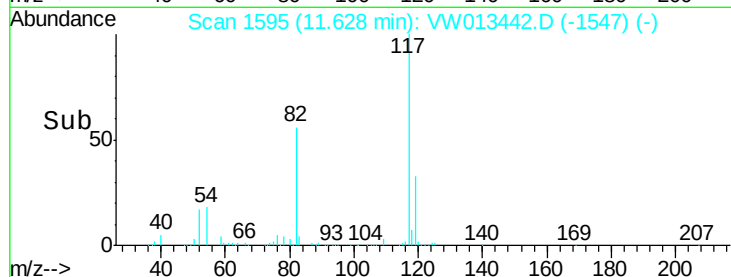
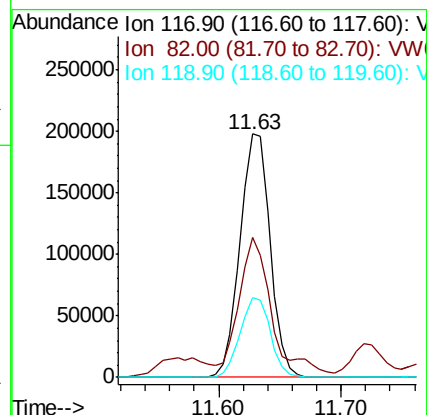
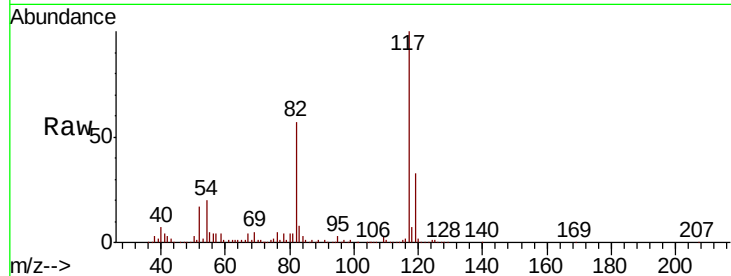




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013442.D
Acq: 04 Oct 2019 16:37

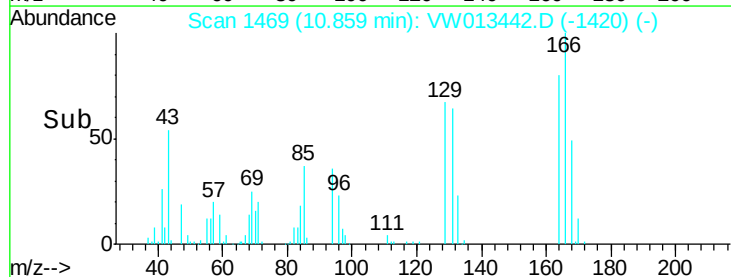
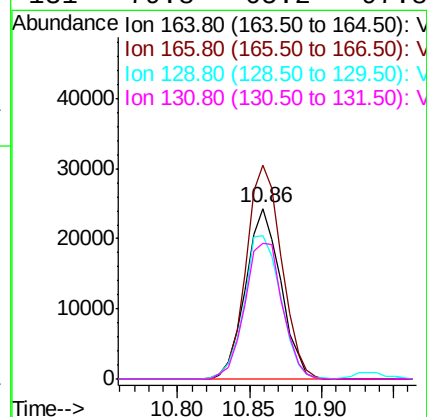
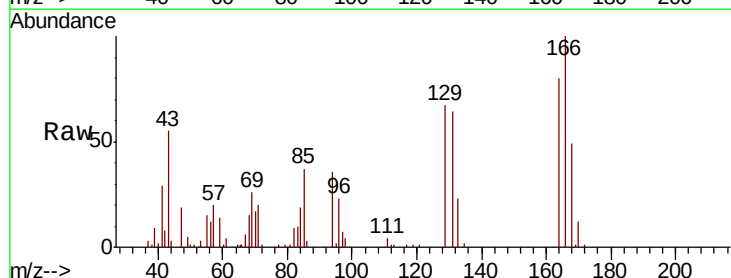
Instrument :
MSVOA_W
ClientSampled :
S-3(5-10)

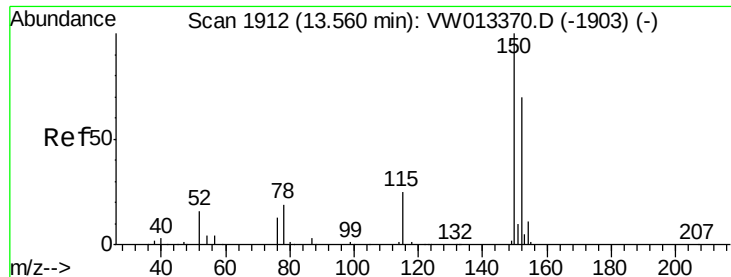
Tot Ion:117 Resp: 337380
Ion Ratio Lower Upper
117 100
82 54.2 45.9 68.9
119 32.7 26.2 39.2



#64
Tetrachloroethene
Concen: 16.035 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013442.D
Acq: 04 Oct 2019 16:37

Tgt Ion:164 Resp: 41159
Ion Ratio Lower Upper
164 100
166 125.2 101.2 151.8
129 84.0 68.8 103.2
131 79.8 65.2 97.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW013442.D

Acq: 04 Oct 2019 16:37

Instrument :

MSVOA_W

ClientSampleId :

S-3(5-10)

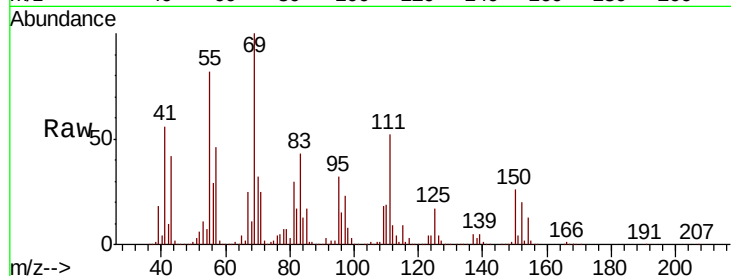
Tot Ion:152 Resp: 200086

Ion Ratio Lower Upper

152 100

115 28.0 27.3 81.9

150 78.6 0.0 349.0

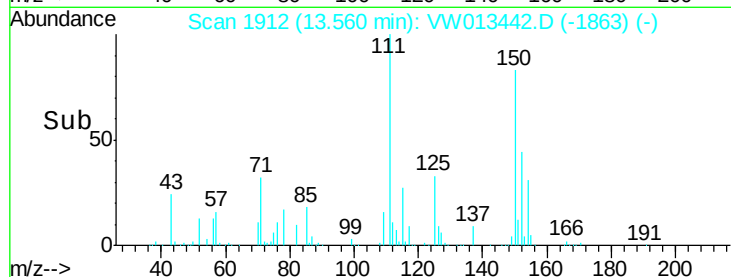


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

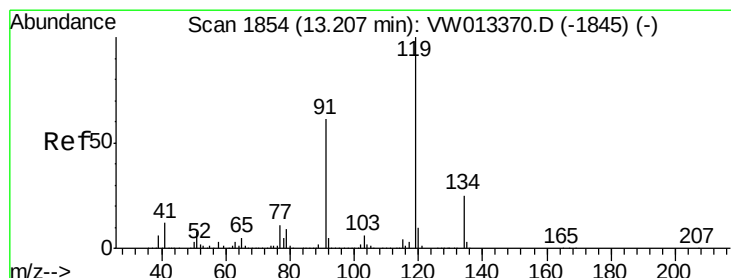
Ion 149.90 (149.60 to 150.60): V

Time-->



Abundance

Time-->



#83

tert-Butylbenzene

Concen: 1.125 ug/l m

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW013442.D

Acq: 04 Oct 2019 16:37

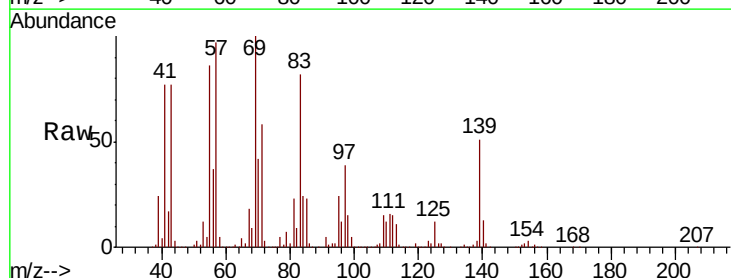
Tgt Ion:119 Resp: 11946

Ion Ratio Lower Upper

119 100

91 0.0 30.7 92.1#

134 0.0 12.6 37.6#

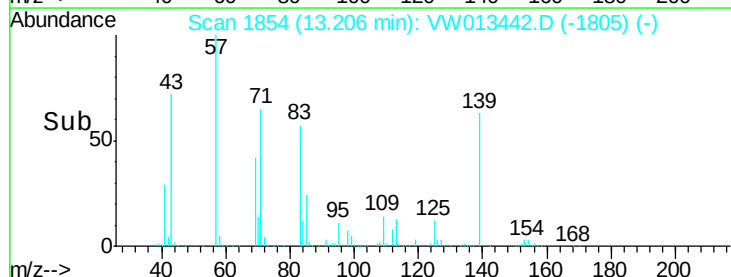


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VV

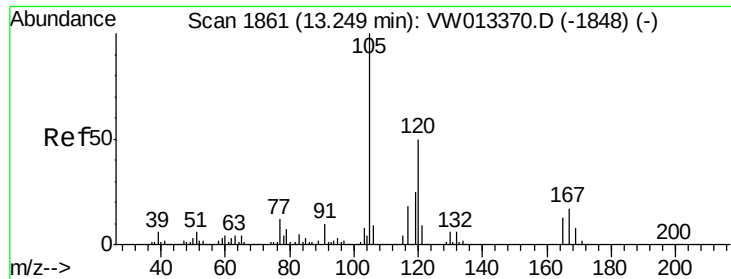
Ion 134.00 (133.70 to 134.70): V

Time-->



Abundance

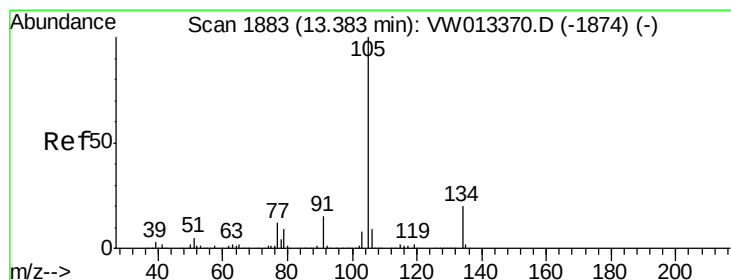
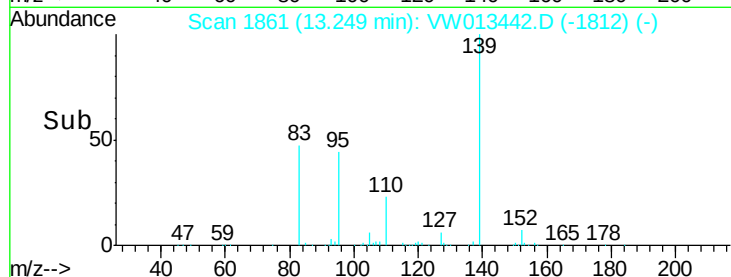
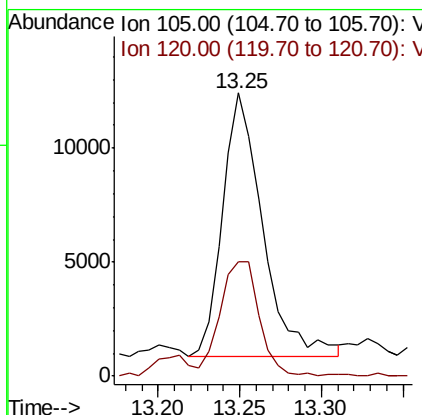
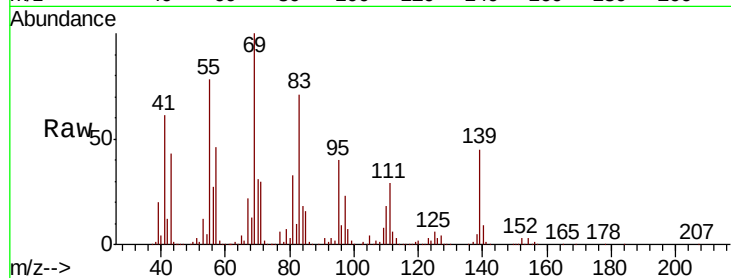
Time-->



#84
 1,2,4-Trimethylbenzene
 Concen: 1.628 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013442.D
 Acq: 04 Oct 2019 16:37

Instrument :
 MSVOA_W
 ClientSampled :
 S-3(5-10)

Tot Ion:105 Resp: 19679
 Ion Ratio Lower Upper
 105 100
 120 42.6 23.4 70.3



#85
 sec-Butylbenzene
 Concen: 1.822 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013442.D
 Acq: 04 Oct 2019 16:37

Tgt Ion:105 Resp: 26673
 Ion Ratio Lower Upper
 105 100
 134 23.6 10.3 30.8

