

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV120618\
 Data File : VW007293.D
 Acq On : 06 Dec 2018 21:42
 Operator : SY/AP
 Sample : J6214-09RE
 Misc : 4.92G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 07 01:17:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 05 01:35:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	53664	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	82367	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	58410	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	15809	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	26403	52.84	ug/l	0.00
Spiked Amount			Recovery	=	105.68%	
35) Dibromofluoromethane	7.88	113	21969	46.58	ug/l	0.00
Spiked Amount			Recovery	=	93.16%	
50) Toluene-d8	10.32	98	74318	35.77	ug/l	0.00
Spiked Amount			Recovery	=	71.54%	
62) 4-Bromofluorobenzene	12.62	95	18963	24.18	ug/l	0.00
Spiked Amount			Recovery	=	48.36%	

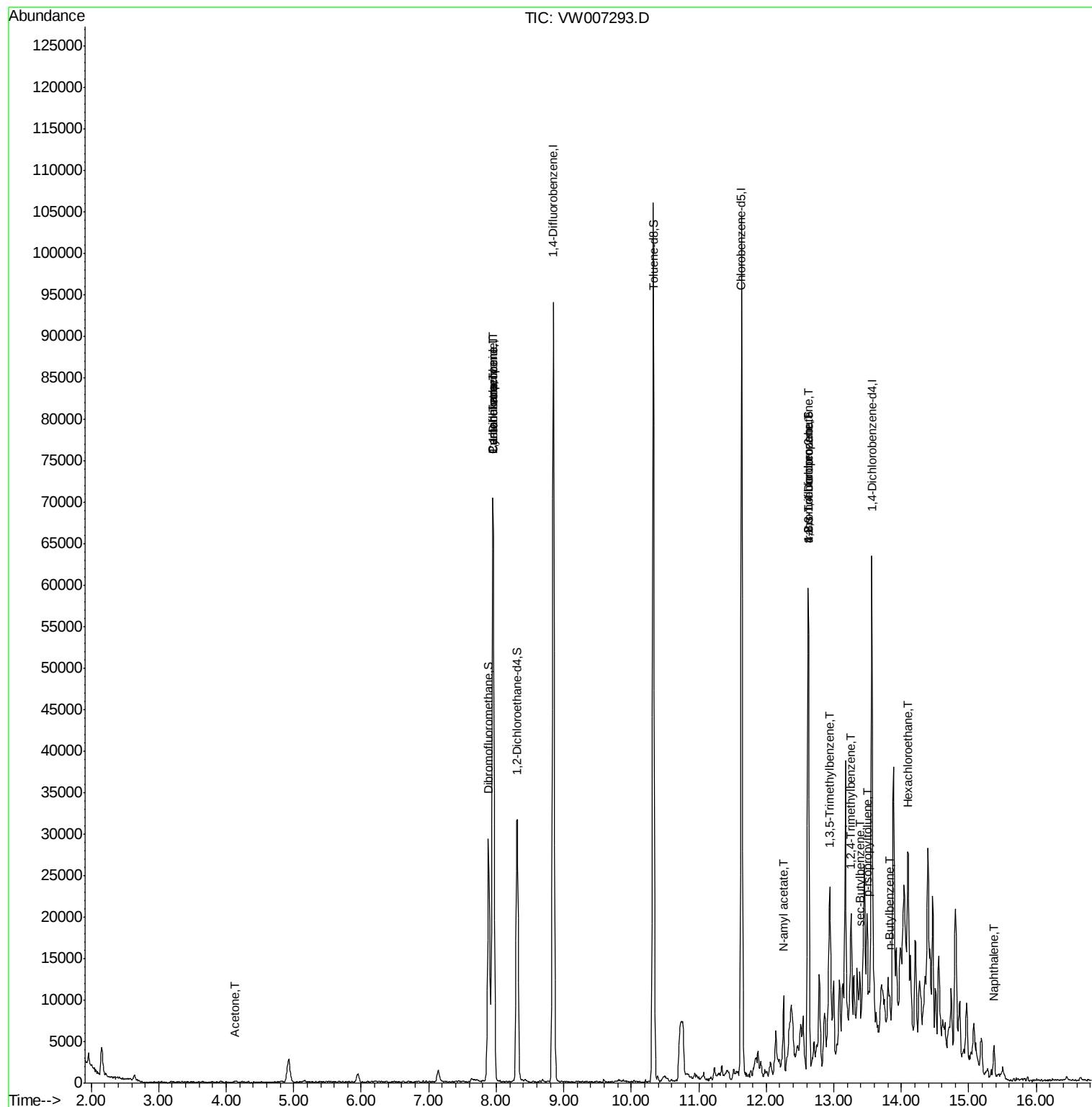
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.16	59	53	Below Cal	#	75
16) Acetone	4.13	43	137	1.158	ug/l #	45
20) Methylene Chloride	4.93	84	2406	Below Cal		96
31) Cyclohexane	7.95	56	1075	1.084	ug/l #	22
36) 1,1-Dichloropropene	7.95	75	4076	5.086	ug/l #	48
38) Carbon Tetrachloride	7.95	117	5413	6.617	ug/l #	19
74) N-amyl acetate	12.26	43	1783	7.821	ug/l #	79
76) 1,2,3-Trichloropropane	12.62	75	8975	73.319	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.95	105	1136	1.033	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.62	75	8975	158.028	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.26	105	7842	6.984	ug/l	91
85) sec-Butylbenzene	13.39	105	2206	1.608	ug/l #	77
86) p-Isopropyltoluene	13.51	119	1480	1.212	ug/l	87
89) n-Butylbenzene	13.83	91	3081	2.699	ug/l #	67
90) Hexachloroethane	14.10	117	1007	5.409	ug/l #	14
95) Naphthalene	15.37	128	3948	6.445	ug/l	97

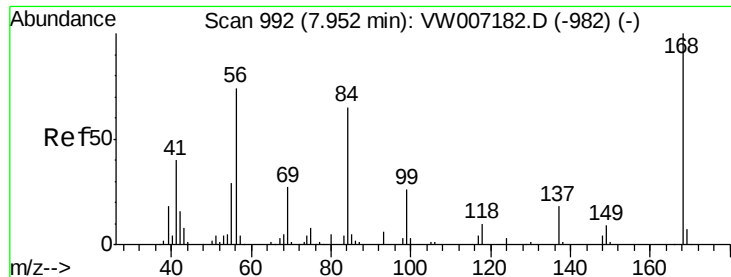
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120618\
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Quant Title : SW846 8260
QLast Update : Wed Dec 05 01:35:23 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007293.D

Acq: 06 Dec 2018 21:42

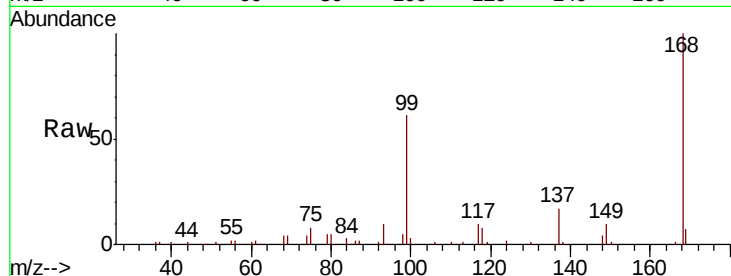
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 53664

Ion Ratio Lower Upper

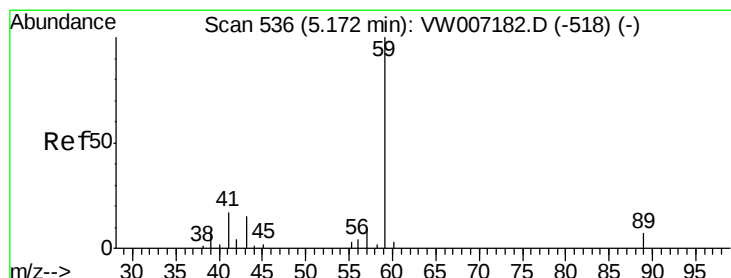
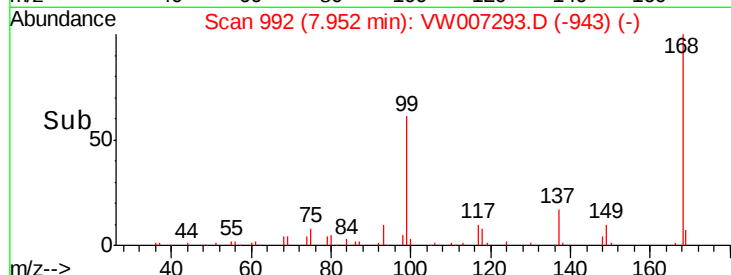
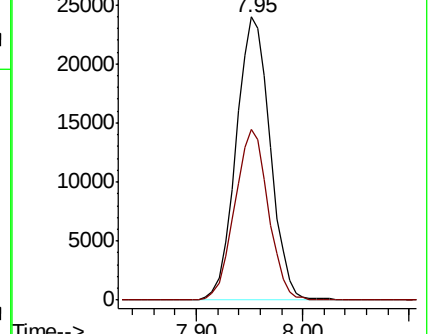
168 100

99 60.5 47.8 71.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.16 min Scan# 534

Delta R.T. -0.01 min

Lab File: VW007293.D

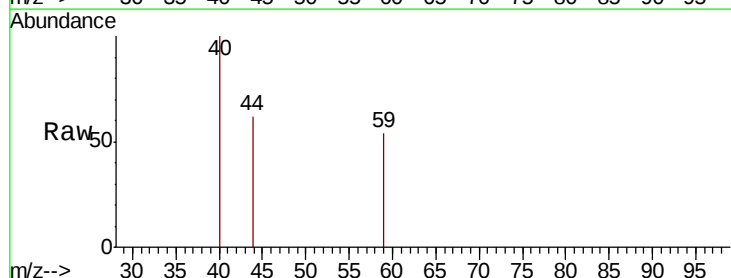
Acq: 06 Dec 2018 21:42

Tgt Ion: 59 Resp: 53

Ion Ratio Lower Upper

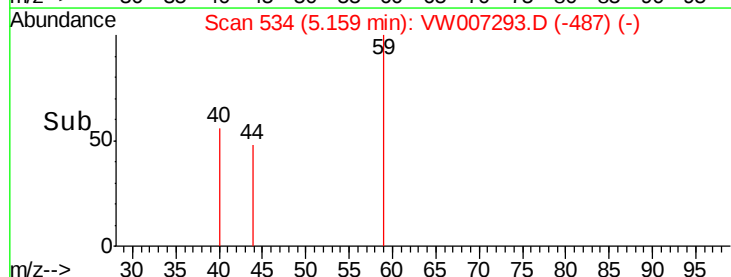
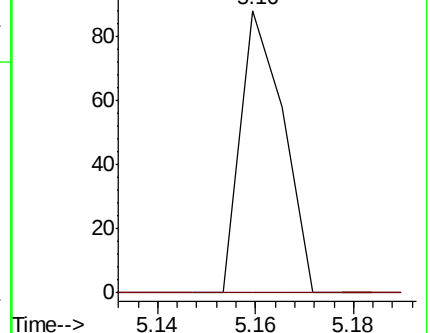
59 100

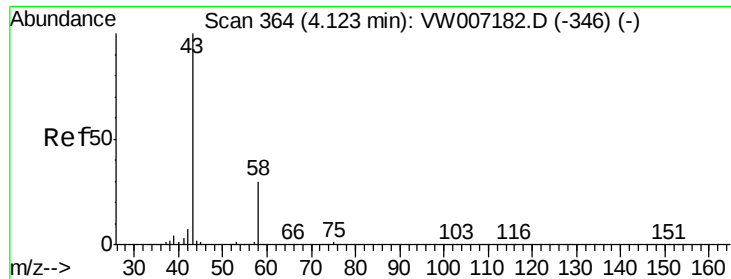
57 0.0 7.1 10.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 1.158 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW007293.D

Acq: 06 Dec 2018 21:42

Instrument :

MSVOA_W

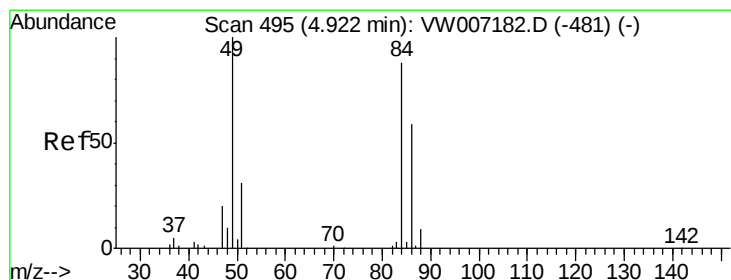
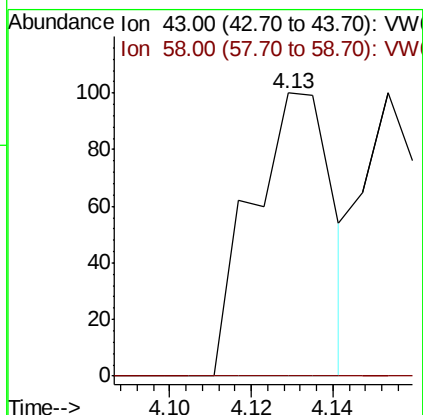
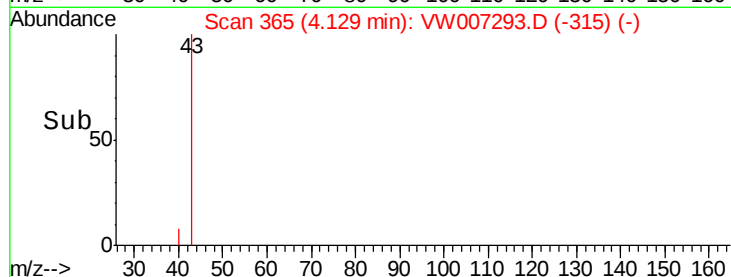
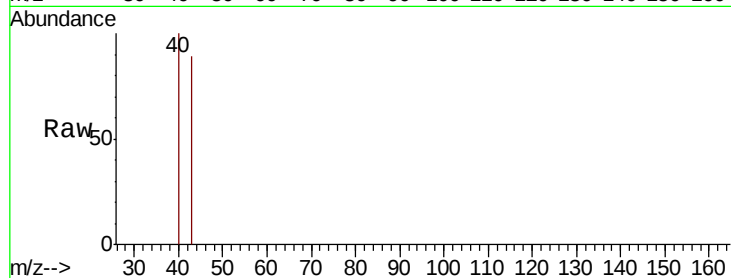
ClientSampled :

Tot Ion: 43 Resp: 137

Ion Ratio Lower Upper

43 100

58 0.0 23.8 35.8#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.93 min Scan# 497

Delta R.T. 0.01 min

Lab File: VW007293.D

Acq: 06 Dec 2018 21:42

Tgt Ion: 84 Resp: 2406

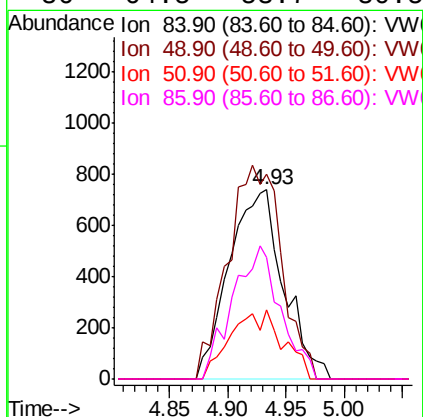
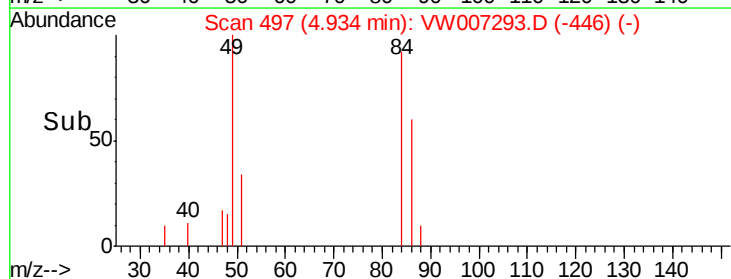
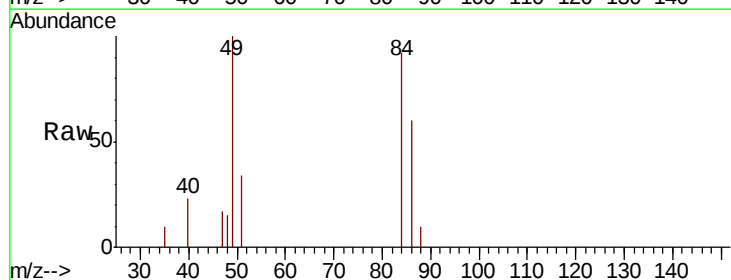
Ion Ratio Lower Upper

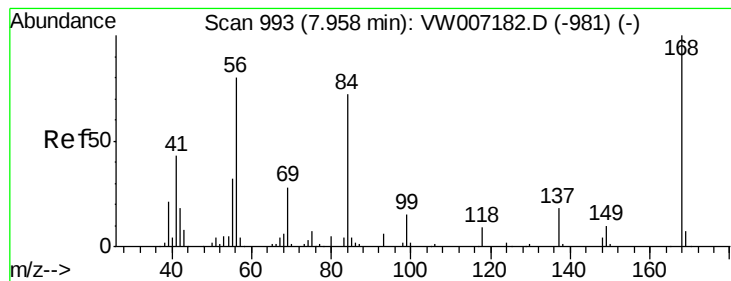
84 100

49 108.3 90.6 135.8

51 36.3 27.6 41.4

86 64.5 53.7 80.5

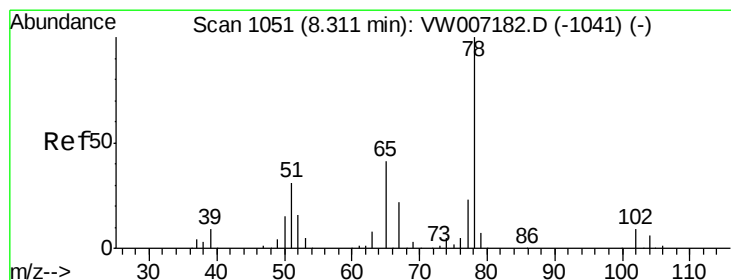
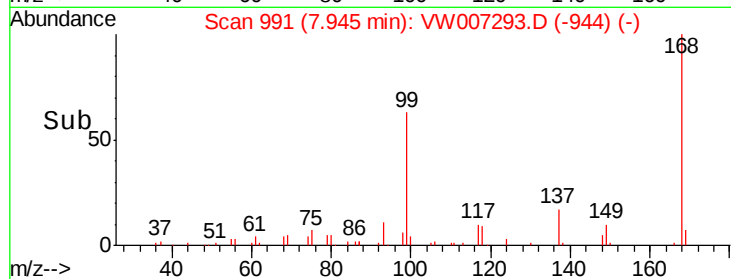
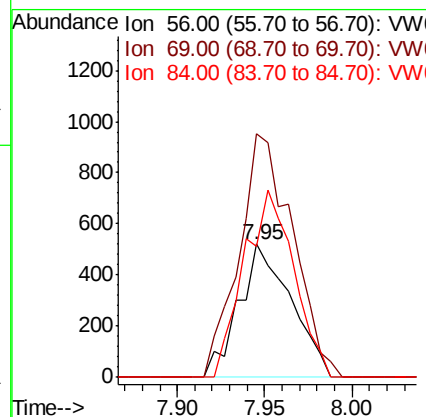
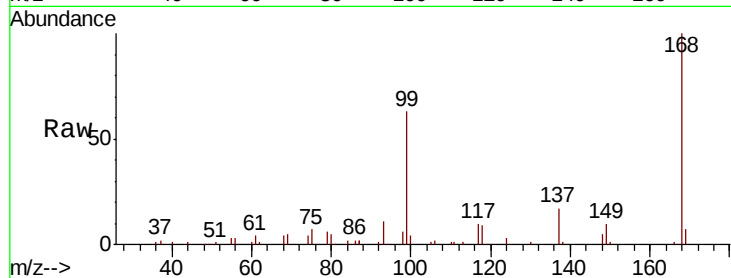




#31
Cyclohexane
Concen: 1.084 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW007293.D
Acq: 06 Dec 2018 21:42

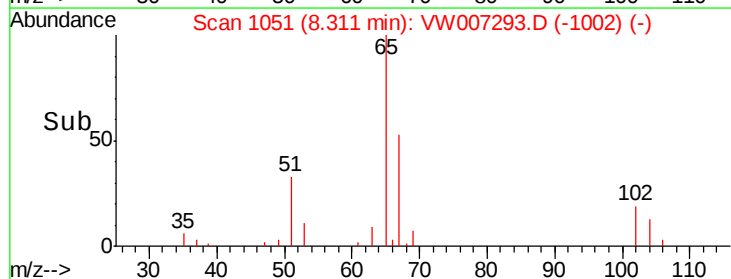
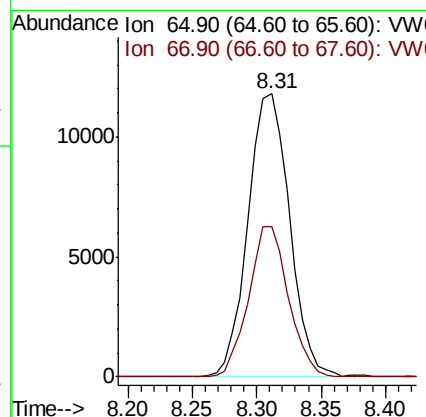
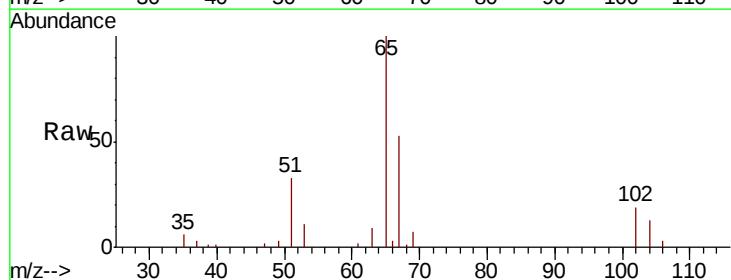
Instrument :
MSVOA_W
ClientSampleId :

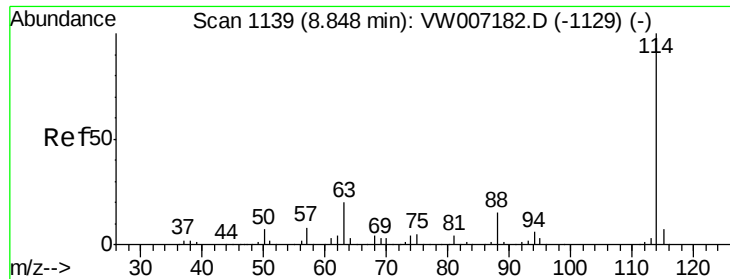
Tot Ion: 56 Resp: 1075
Ion Ratio Lower Upper
56 100
69 183.1 28.2 42.2#
84 98.8 72.1 108.1



#33
1,2-Dichloroethane-d4
Concen: 52.845 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VW007293.D
Acq: 06 Dec 2018 21:42

Tgt Ion: 65 Resp: 26403
Ion Ratio Lower Upper
65 100
67 50.7 0.0 106.4

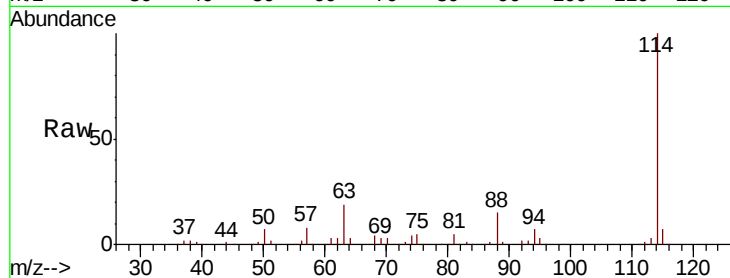




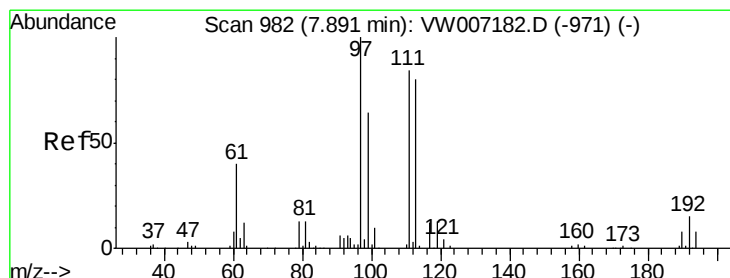
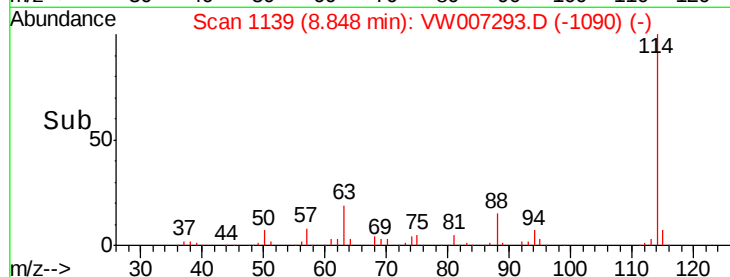
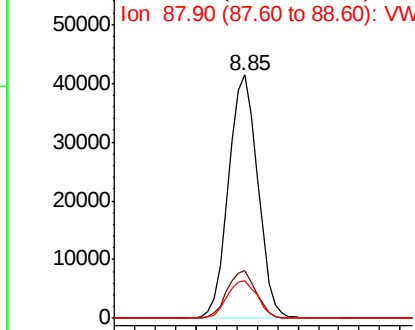
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW007293.D
 Acq: 06 Dec 2018 21:42

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:114 Resp: 82367
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 40.2
 88 15.3 0.0 30.0

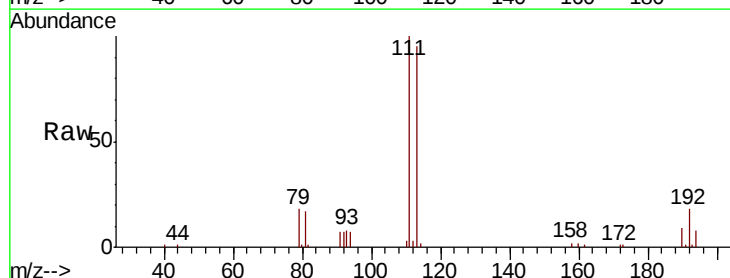


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

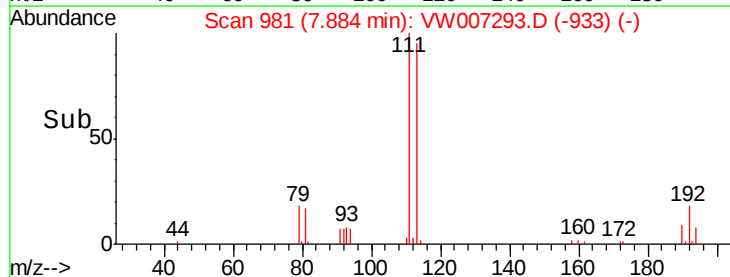
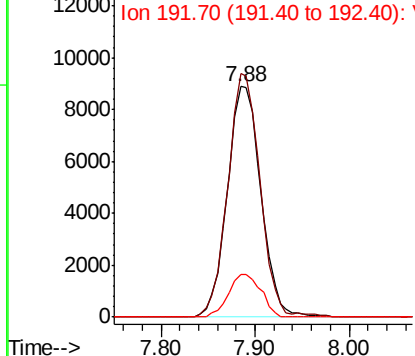


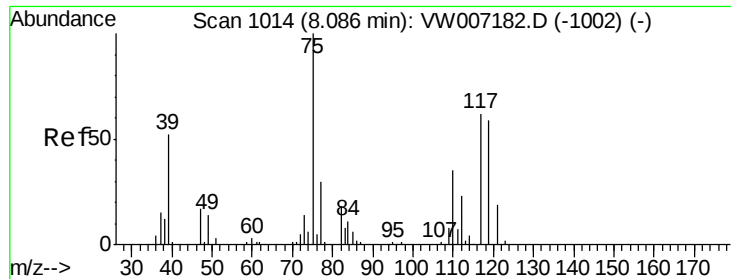
#35
 Dibromofluoromethane
 Concen: 46.581 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW007293.D
 Acq: 06 Dec 2018 21:42

Tgt Ion:113 Resp: 21969
 Ion Ratio Lower Upper
 113 100
 111 101.4 82.2 123.4
 192 17.8 14.4 21.6



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

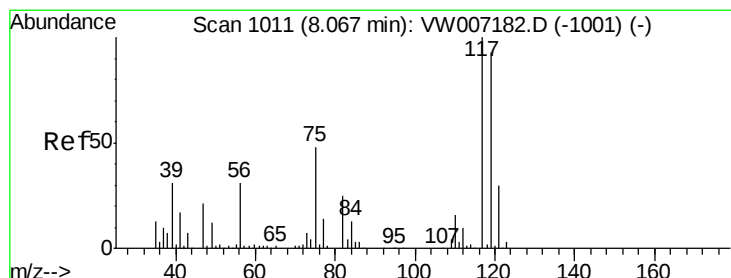
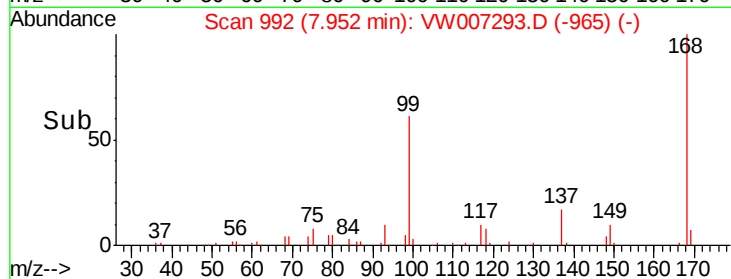
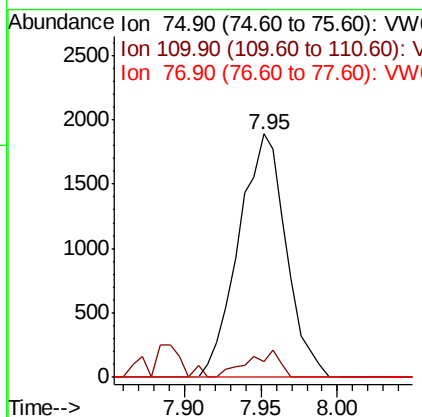
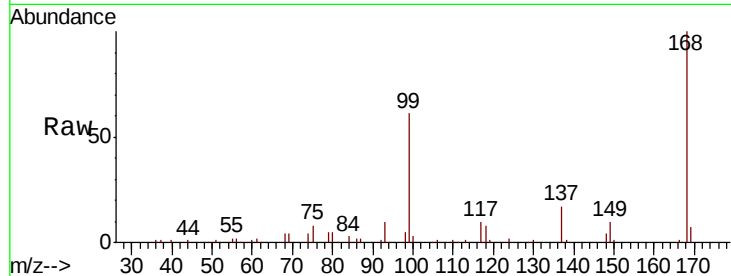




#36
 1,1-Dichloropropene
 Concen: 5.086 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW007293.D
 Acq: 06 Dec 2018 21:42

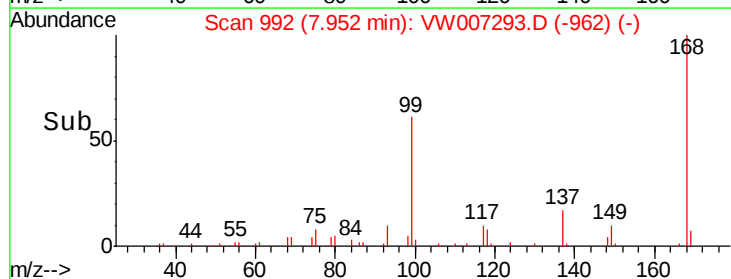
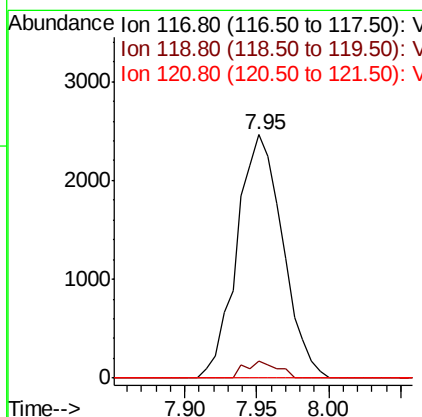
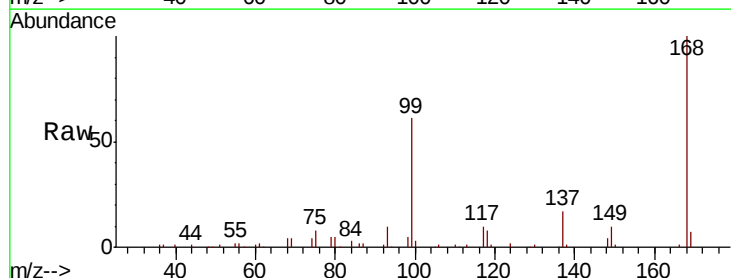
Instrument :
 MSVOA_W
 ClientSampleId :

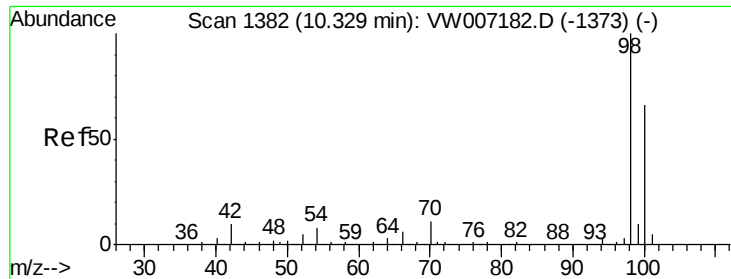
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.6	18.3	54.9#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 6.617 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW007293.D
 Acq: 06 Dec 2018 21:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.0	74.1	111.1#
121	0.0	23.9	35.9#





#50

Toluene-d8

Concen: 35.772 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VW007293.D

Acq: 06 Dec 2018 21:42

Instrument :

MSVOA_W

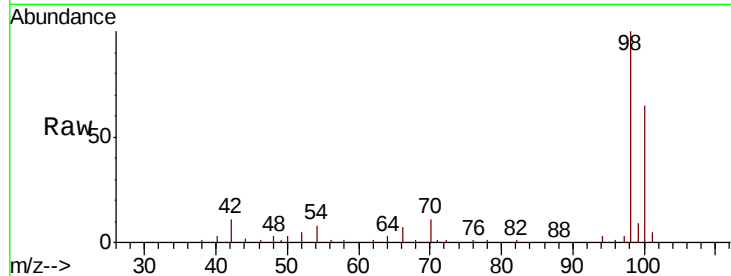
ClientSampleId :

Tot Ion: 98 Resp: 74318

Ion Ratio Lower Upper

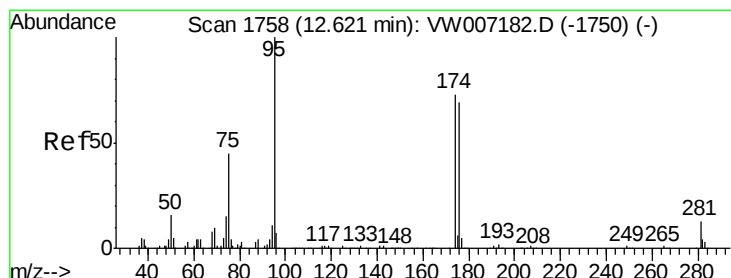
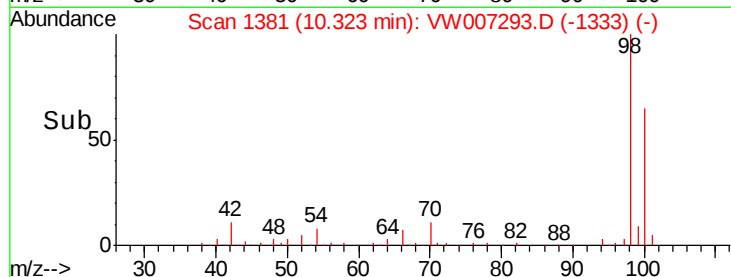
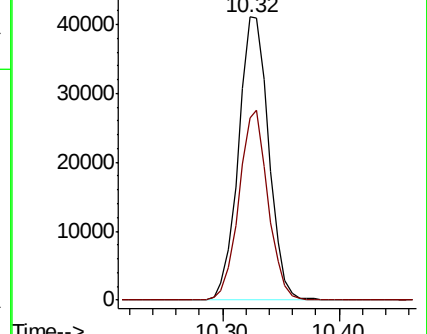
98 100

100 64.4 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 24.183 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007293.D

Acq: 06 Dec 2018 21:42

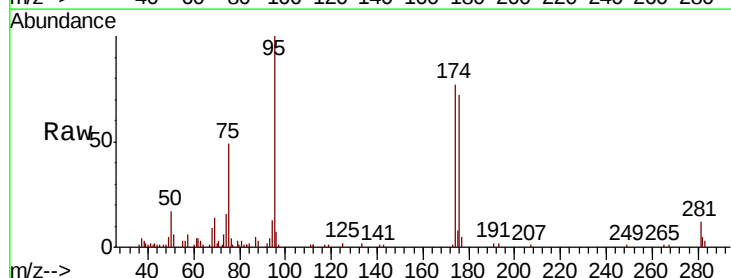
Tgt Ion: 95 Resp: 18963

Ion Ratio Lower Upper

95 100

174 76.3 0.0 148.0

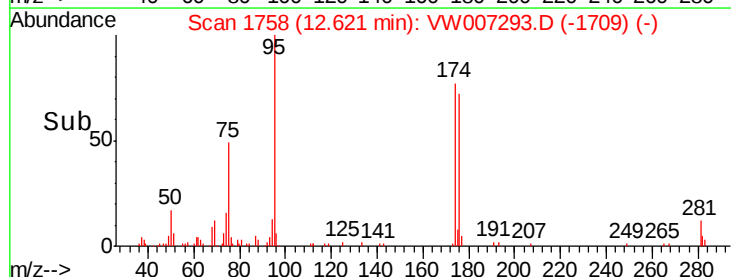
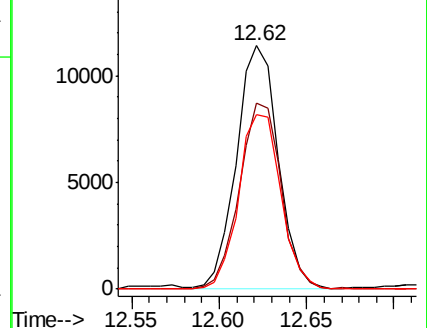
176 72.3 0.0 139.4

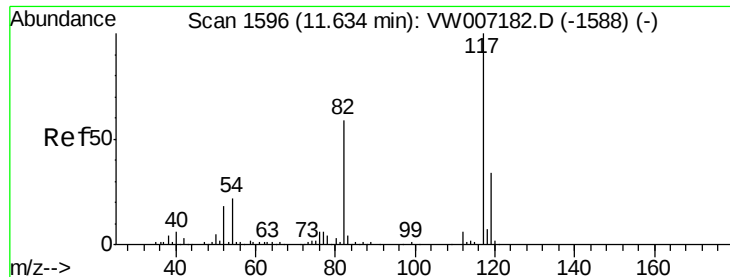


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW

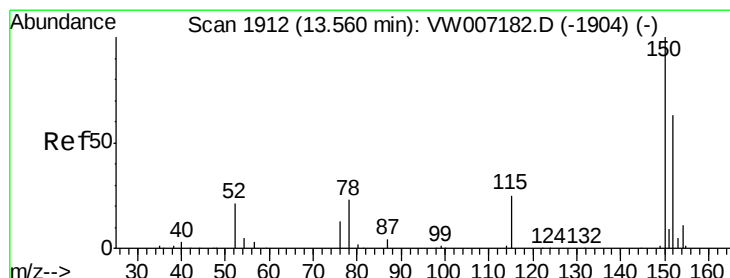
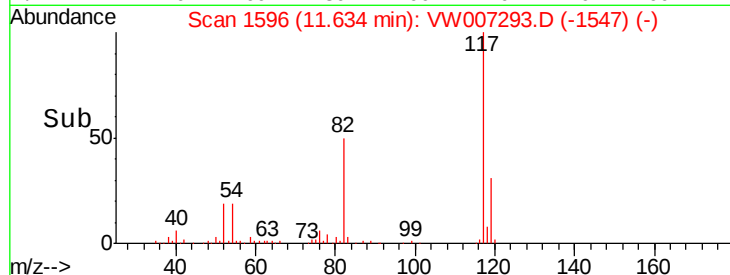
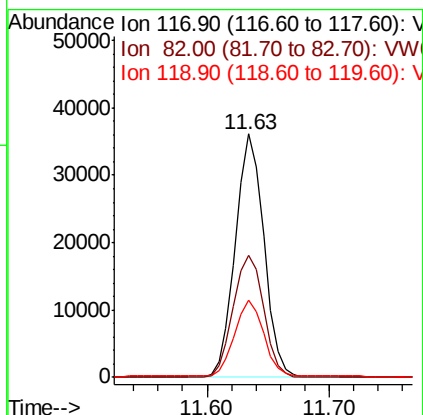
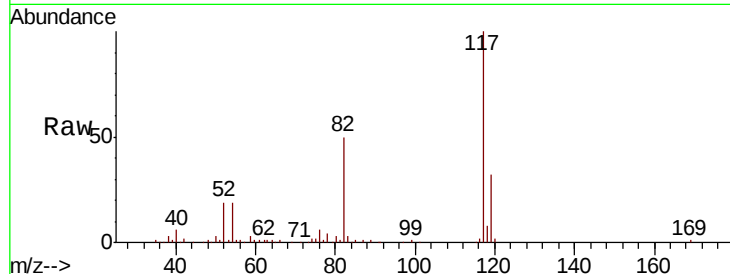




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007293.D
Acq: 06 Dec 2018 21:42

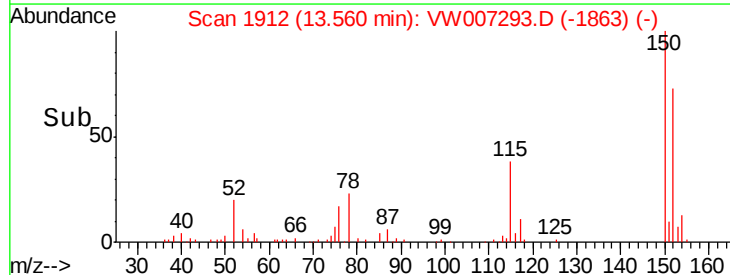
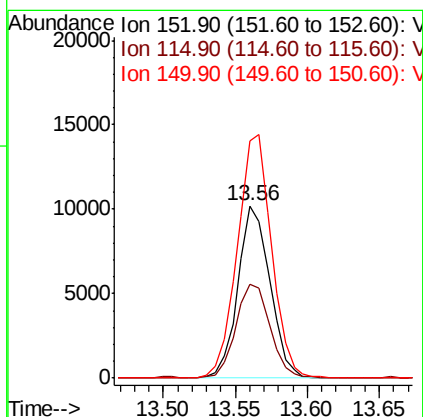
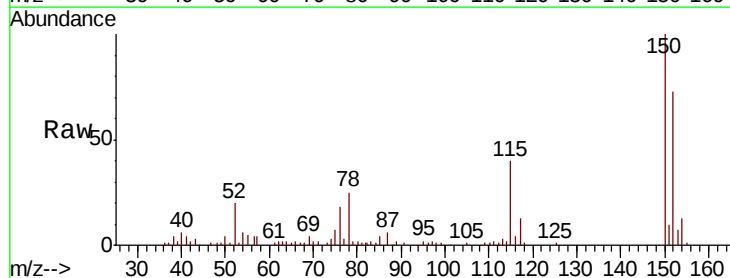
Instrument :
MSVOA_W
ClientSampled :

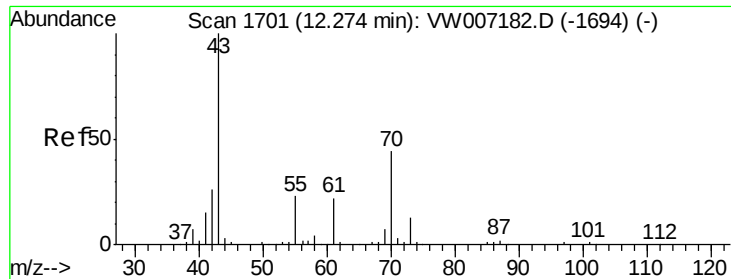
Tot Ion:117 Resp: 58410
Ion Ratio Lower Upper
117 100
82 50.3 47.4 71.2
119 31.1 26.8 40.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007293.D
Acq: 06 Dec 2018 21:42

Tgt Ion:152 Resp: 15809
Ion Ratio Lower Upper
152 100
115 58.5 31.3 93.8
150 150.0 0.0 358.0

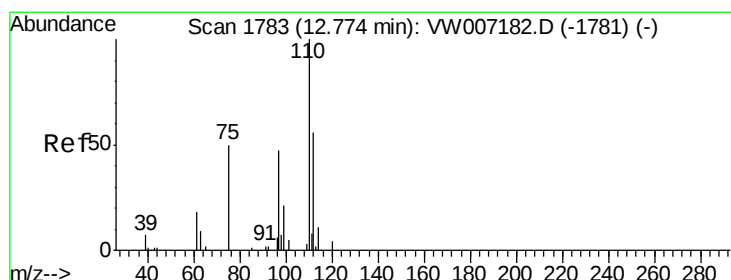
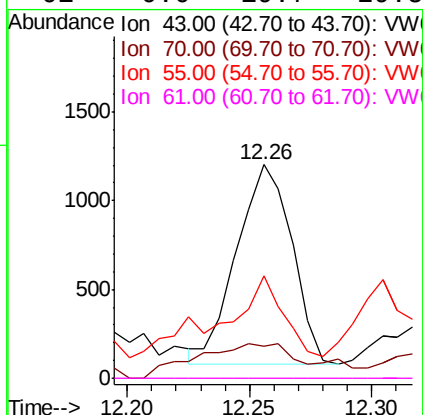
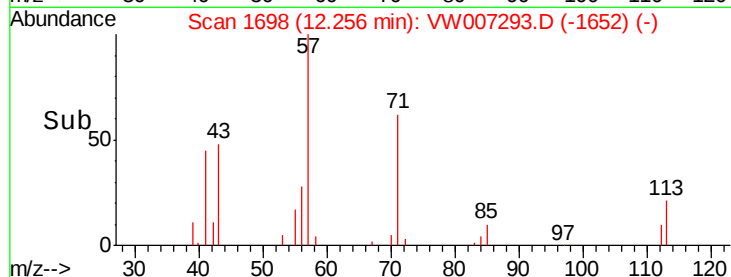
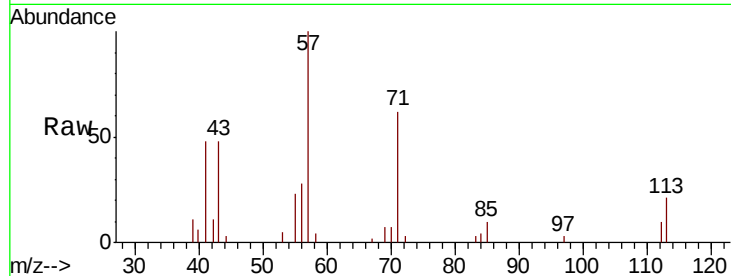




#74
N-amvl acetate
Concen: 7.821 ug/l
RT: 12.26 min Scan# 1698
Delta R.T. -0.02 min
Lab File: VW007293.D
Acq: 06 Dec 2018 21:42

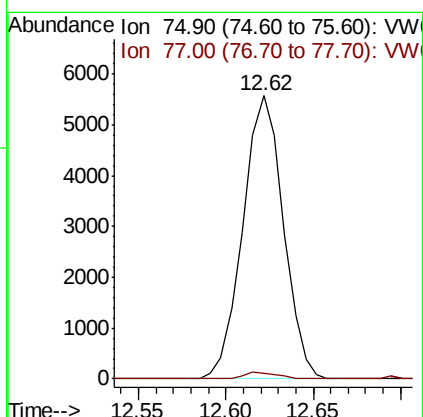
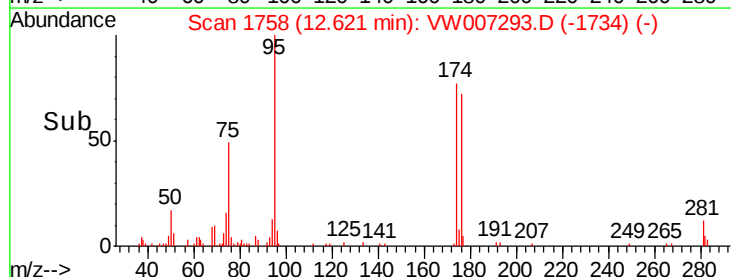
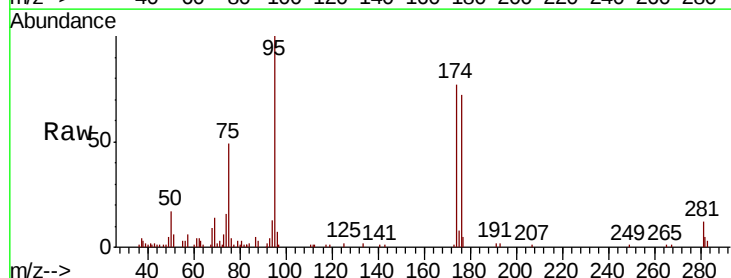
Instrument :
MSVOA_W
ClientSampleId :

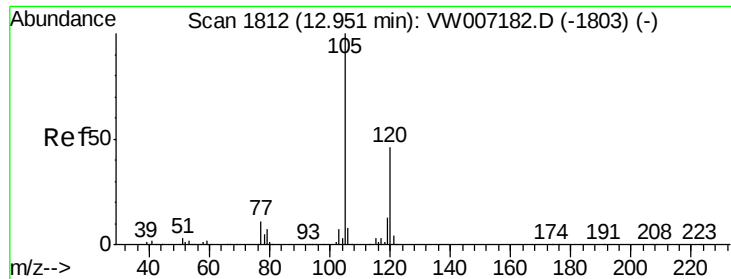
Tot Ion: 43 Resp: 1783
Ion Ratio Lower Upper
43 100
70 35.2 34.0 51.0
55 28.5 19.0 28.6
61 0.0 19.7 29.5#



#76
1,2,3-Trichloropropane
Concen: 73.319 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW007293.D
Acq: 06 Dec 2018 21:42

Tgt Ion: 75 Resp: 8975
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#

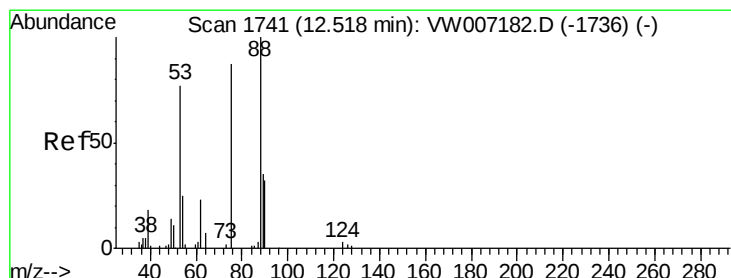
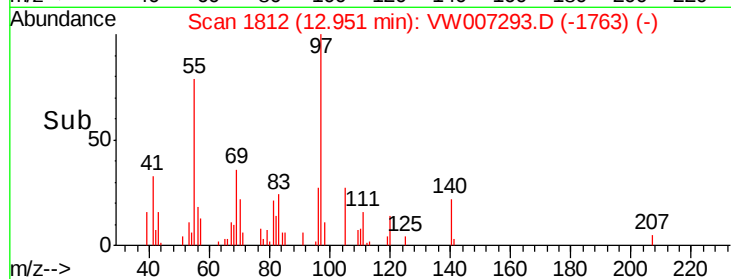
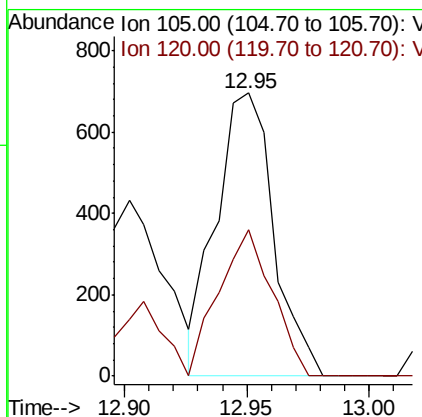
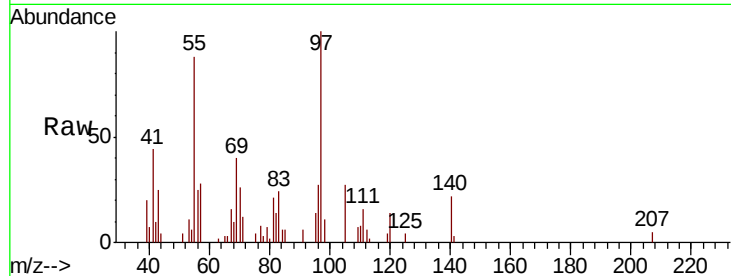




#80
 1,3,5-Trimethylbenzene
 Concen: 1.033 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: VW007293.D
 Acq: 06 Dec 2018 21:42

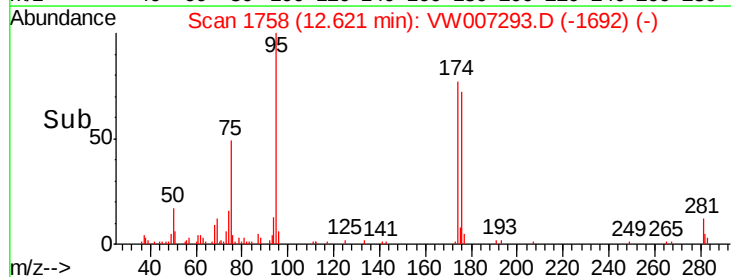
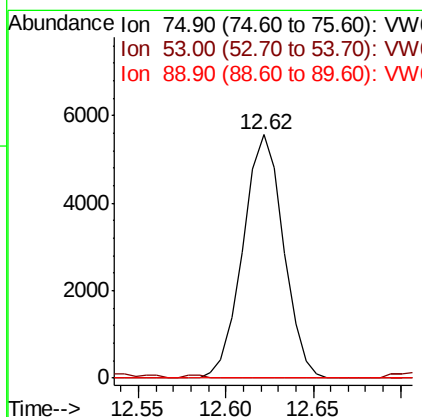
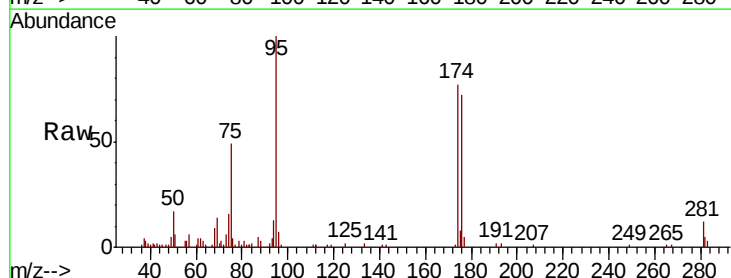
Instrument :
 MSVOA_W
 ClientSampled :

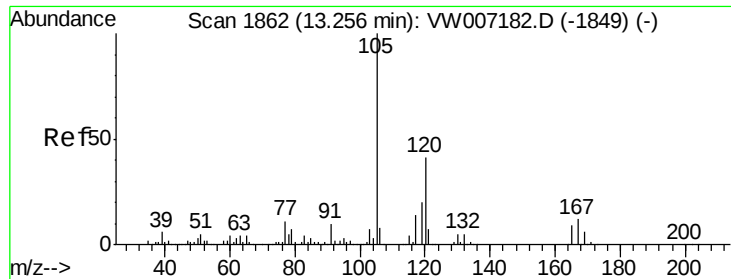
Tot Ion:105 Resp: 1136
 Ion Ratio Lower Upper
 105 100
 120 48.2 23.8 71.5



#81
 trans-1,4-Dichloro-2-butene
 Concen: 158.028 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW007293.D
 Acq: 06 Dec 2018 21:42

Tgt Ion: 75 Resp: 8975
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.8 109.2#
 89 0.0 36.4 54.6#

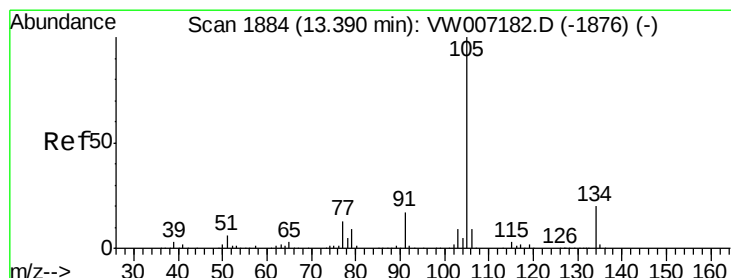
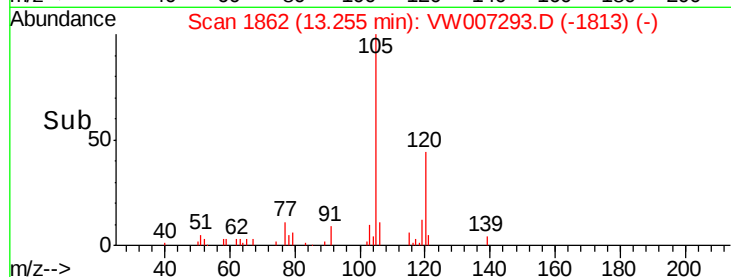
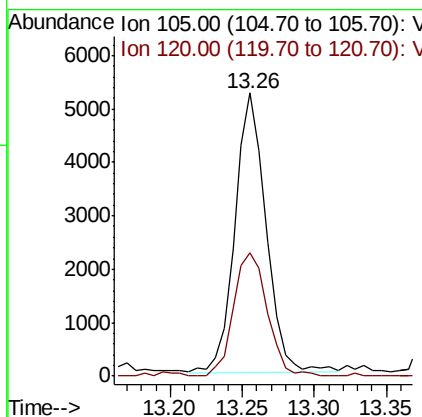
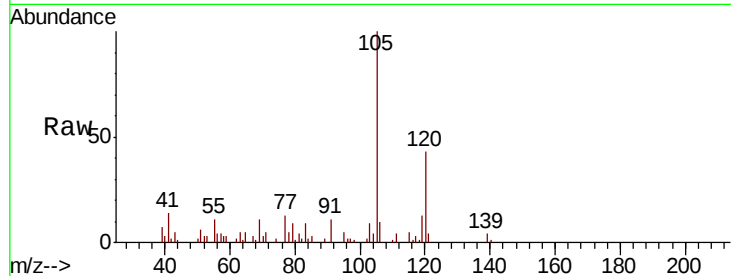




#84
 1,2,4-Trimethylbenzene
 Concen: 6.984 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW007293.D
 Acq: 06 Dec 2018 21:42

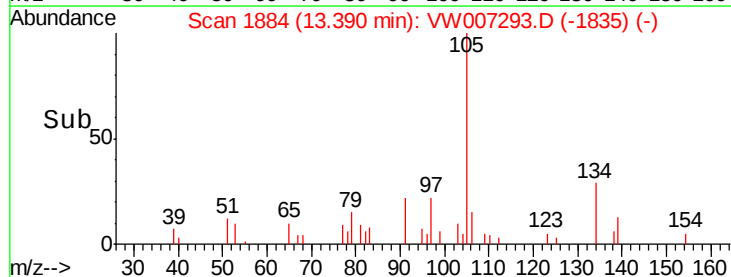
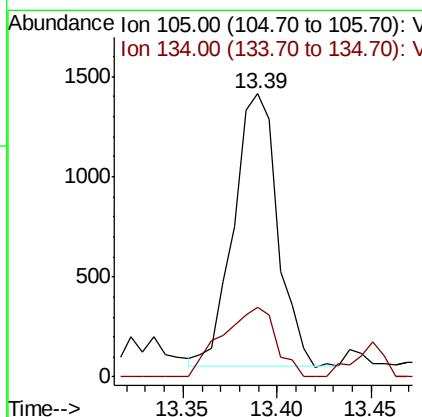
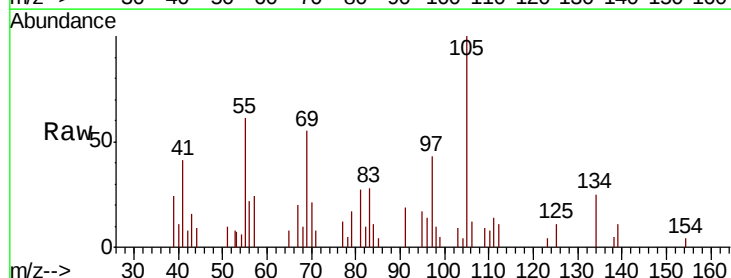
Instrument :
 MSVOA_W
 ClientSampled :

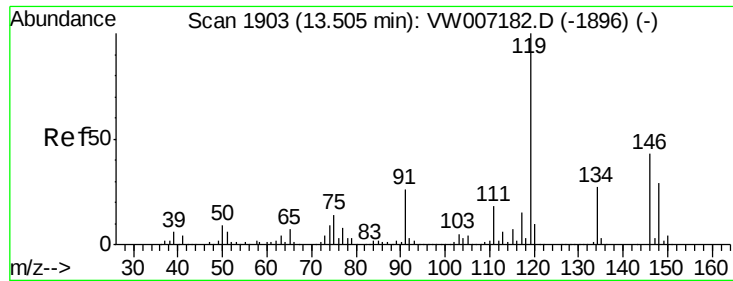
Tot Ion:105 Resp: 7842
 Ion Ratio Lower Upper
 105 100
 120 48.1 21.1 63.3



#85
 sec-Butylbenzene
 Concen: 1.608 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007293.D
 Acq: 06 Dec 2018 21:42

Tgt Ion:105 Resp: 2206
 Ion Ratio Lower Upper
 105 100
 134 31.3 10.3 30.8#

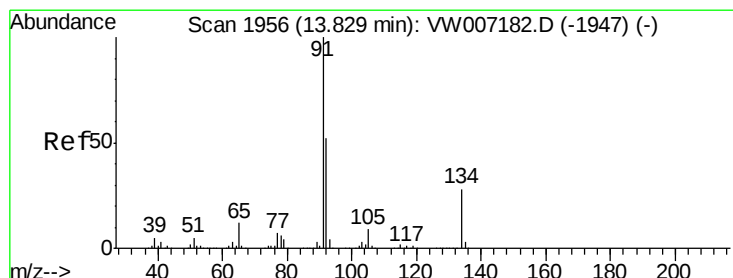
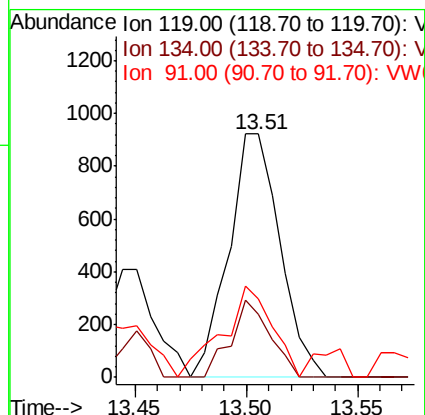
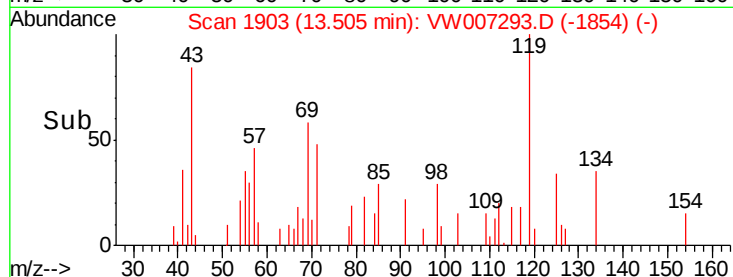
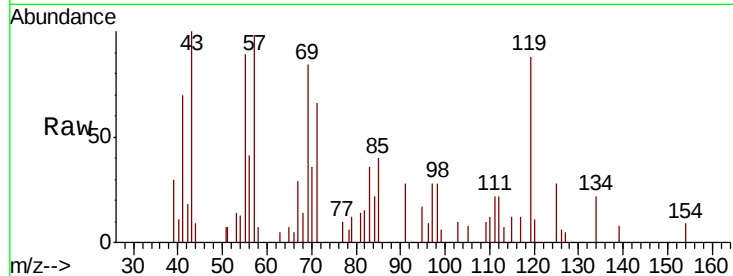




#86
p-Isopropyltoluene
Concen: 1.212 ug/l
RT: 13.51 min Scan# 1903
Delta R.T. -0.00 min
Lab File: VW007293.D
Acq: 06 Dec 2018 21:42

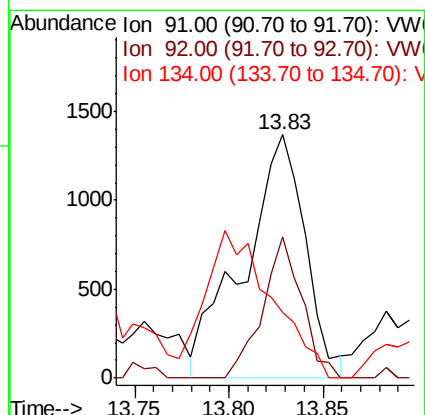
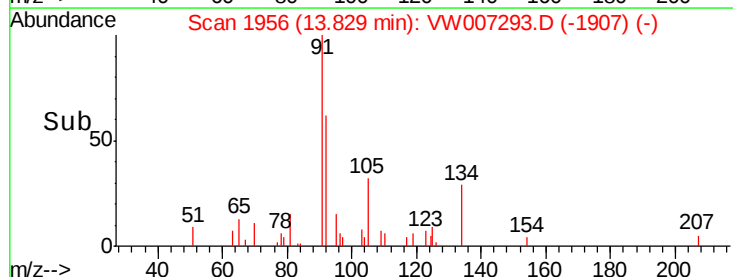
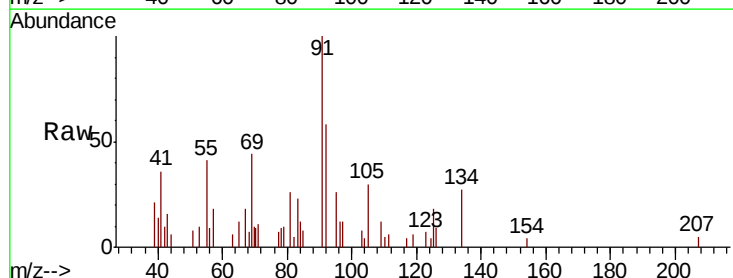
Instrument :
MSVOA_W
ClientSampled :

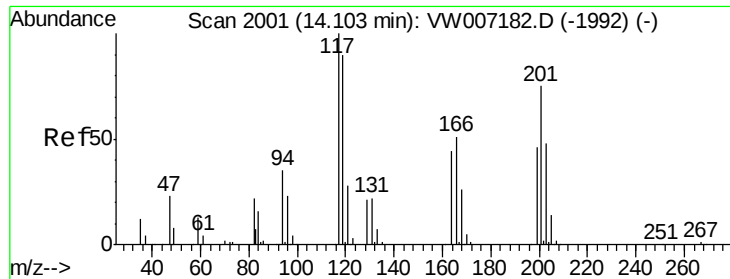
Tot Ion: 119 Resp: 1480
Ion Ratio Lower Upper
119 100
134 24.3 13.2 39.6
91 36.1 12.4 37.2



#89
n-Butylbenzene
Concen: 2.699 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW007293.D
Acq: 06 Dec 2018 21:42

Tgt Ion: 91 Resp: 3081
Ion Ratio Lower Upper
91 100
92 37.3 26.5 79.5
134 0.0 14.1 42.2#





#90

Hexachloroethane

Concen: 5.409 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. -0.00 min

Lab File: VW007293.D

Acq: 06 Dec 2018 21:42

Instrument :

MSVOA_W

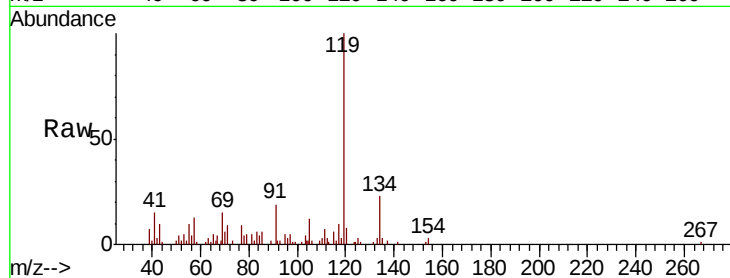
ClientSampled :

Tot Ion:117 Resp: 1007

Ion Ratio Lower Upper

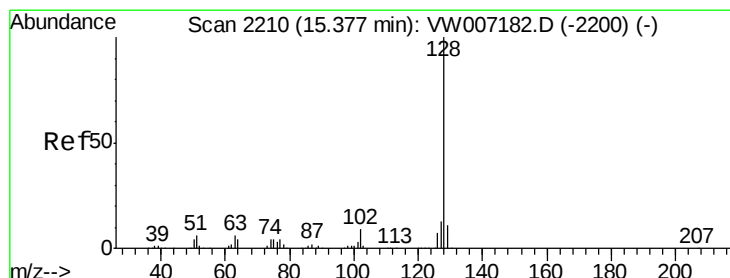
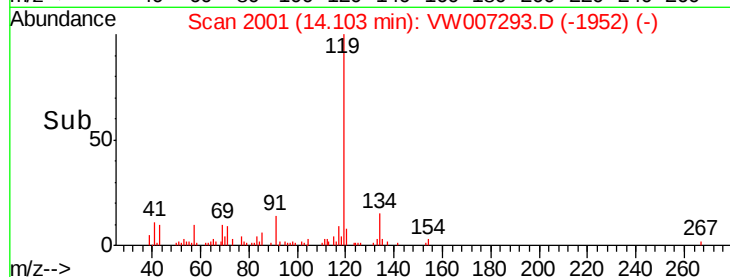
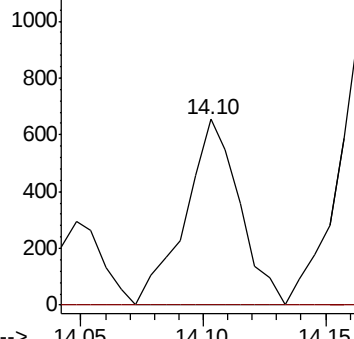
117 100

201 0.0 36.0 108.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#95

Naphthalene

Concen: 6.445 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.01 min

Lab File: VW007293.D

Acq: 06 Dec 2018 21:42

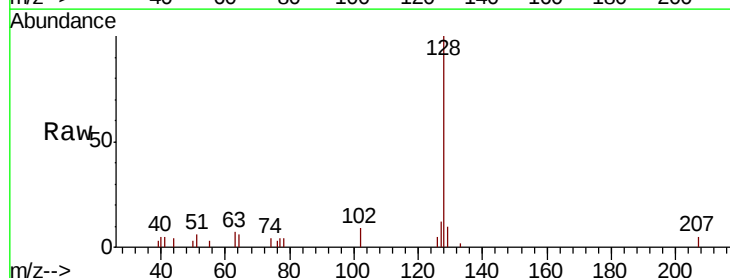
Tgt Ion:128 Resp: 3948

Ion Ratio Lower Upper

128 100

127 14.0 10.3 15.5

129 12.0 8.6 13.0



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

