

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102218\
 Data File : VW006290.D
 Acq On : 23 Oct 2018 10:05
 Operator : VA/AP
 Sample : J5624-06
 Misc : 4.41G/5ML/MSVOA W/SOIL
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 23 14:35:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	242558	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	363244	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	308222	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	134764	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	68447	34.04	ug/l	0.00
Spiked Amount			Recovery	=	68.08%	
35) Dibromofluoromethane	7.89	113	68632	31.98	ug/l	0.00
Spiked Amount			Recovery	=	63.96%	
50) Toluene-d8	10.33	98	221886	27.17	ug/l	0.00
Spiked Amount			Recovery	=	54.34%	
62) 4-Bromofluorobenzene	12.62	95	75159	24.51	ug/l	0.00
Spiked Amount			Recovery	=	49.02%	

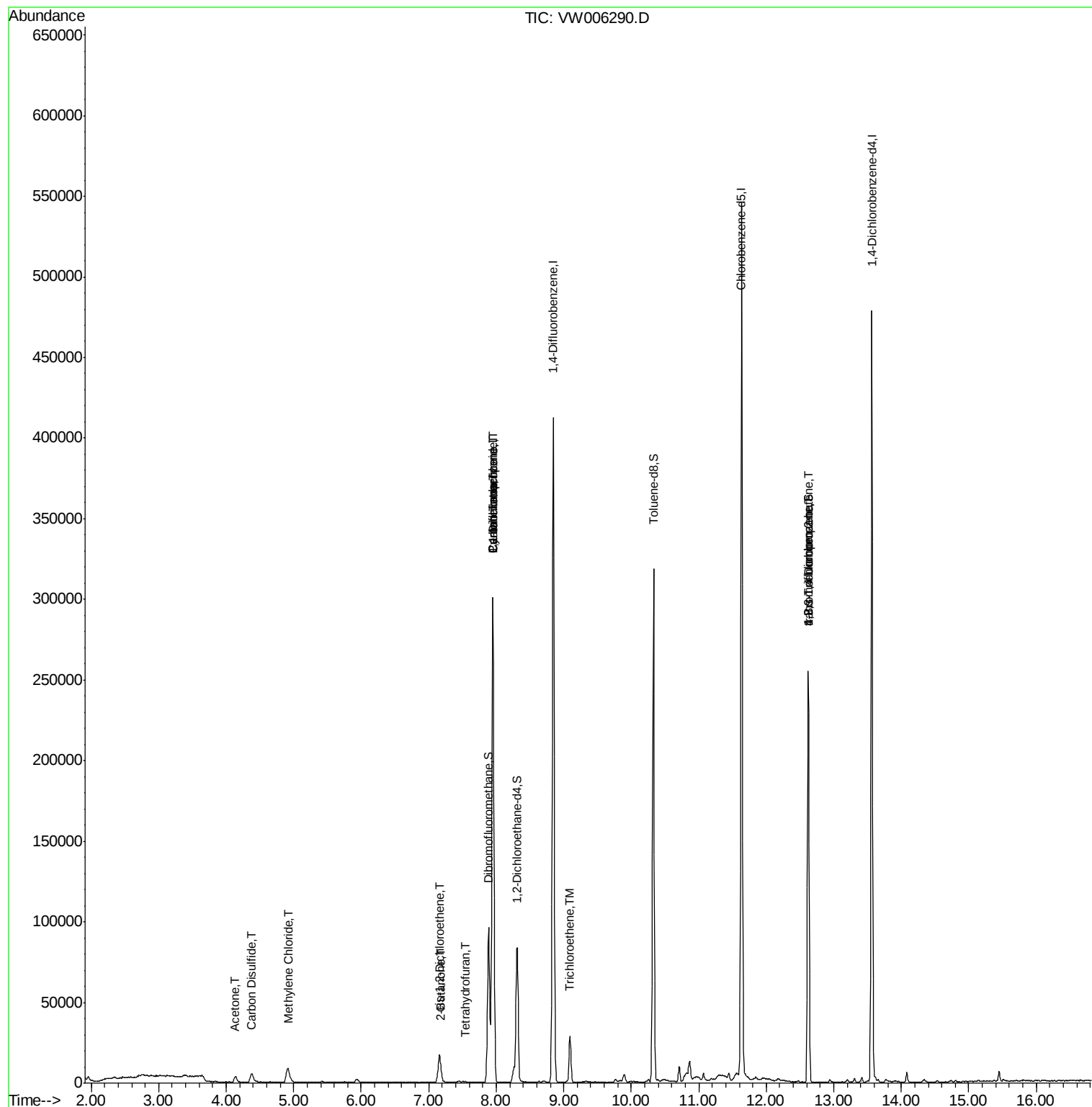
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.13	43	6978	3.925	ug/l	93
17) Carbon Disulfide	4.37	76	13249	2.166	ug/l	98
20) Methylene Chloride	4.91	84	8447	2.421	ug/l	91
25) 2-Butanone	7.18	43	2140	3.939	ug/l #	80
27) cis-1,2-Dichloroethene	7.17	96	2534	1.015	ug/l	95
29) Tetrahydrofuran	7.54	42	359	1.075	ug/l #	54
31) Cyclohexane	7.95	56	4476	1.216	ug/l #	12
36) 1,1-Dichloropropene	7.95	75	16212	4.842	ug/l #	48
38) Carbon Tetrachloride	7.95	117	22124	6.028	ug/l #	17
44) Trichloroethene	9.09	130	10238	3.634	ug/l	95
76) 1,2,3-Trichloropropane	12.62	75	38570	37.471	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	38570	89.570	ug/l #	10

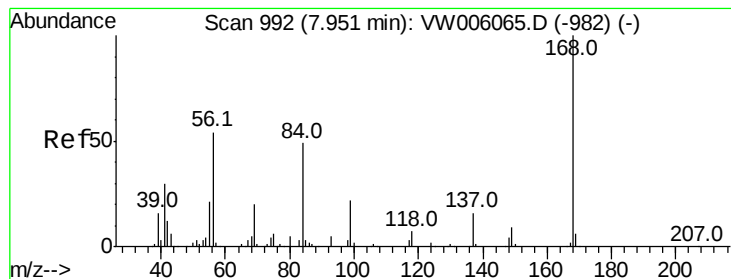
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Oct 18 17:01:24 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: VW006290.D

Acq: 23 Oct 2018 10:05

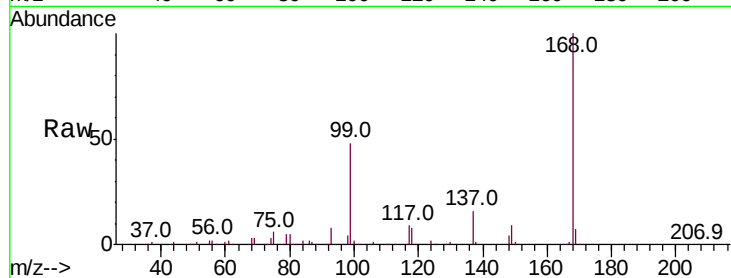
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 242558

Ion Ratio Lower Upper

168 100

99 48.3 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

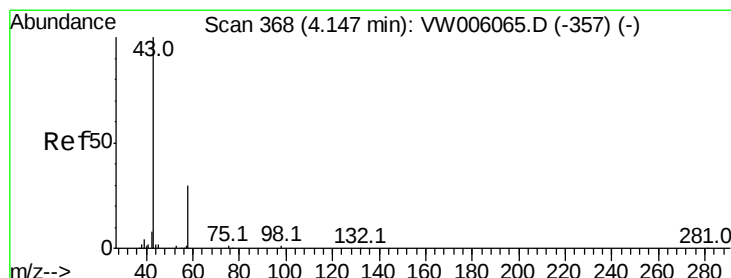
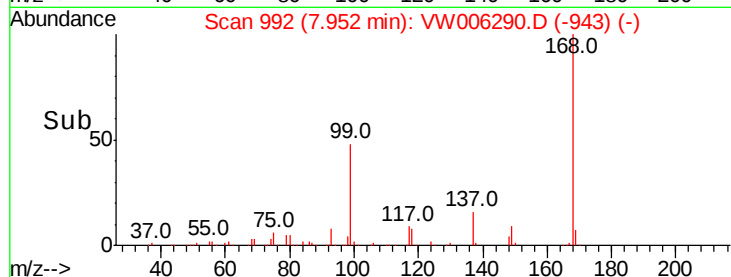
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#16

Acetone

Concen: 3.925 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.02 min

Lab File: VW006290.D

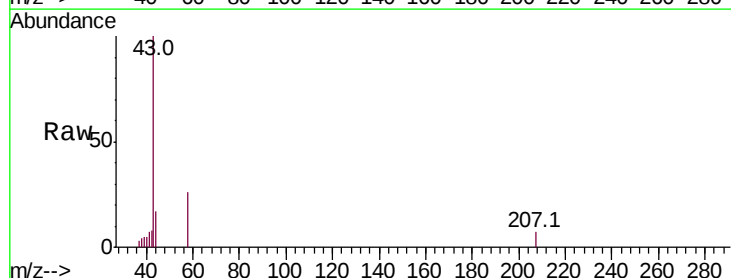
Acq: 23 Oct 2018 10:05

Tgt Ion: 43 Resp: 6978

Ion Ratio Lower Upper

43 100

58 26.3 24.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

2500

2000

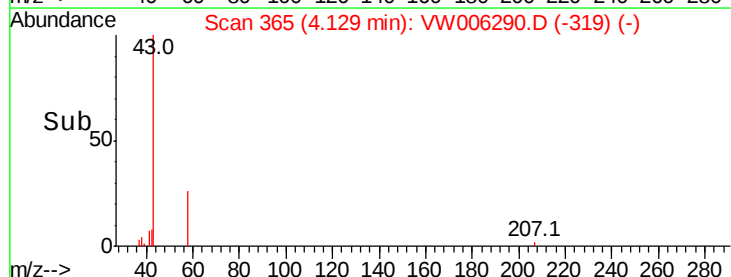
1500

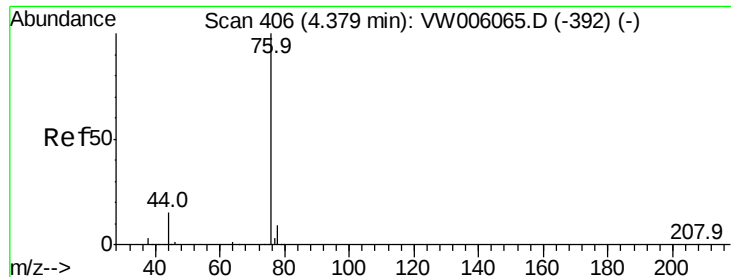
1000

500

0

Time--> 4.00 4.10 4.20

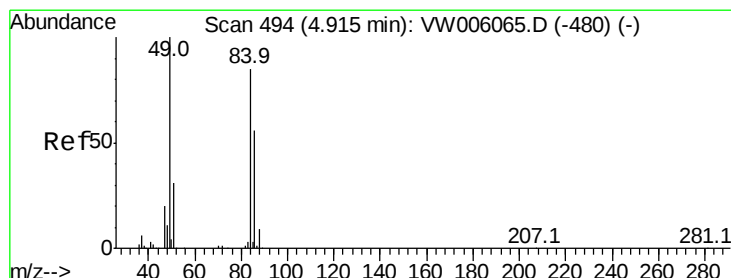
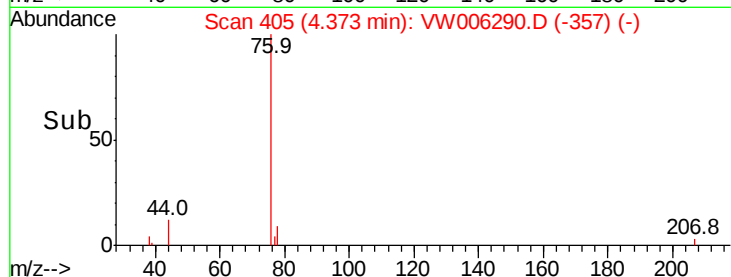
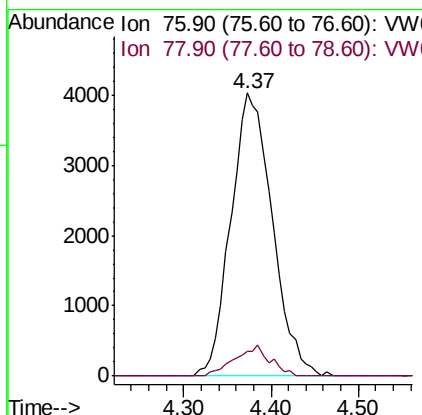
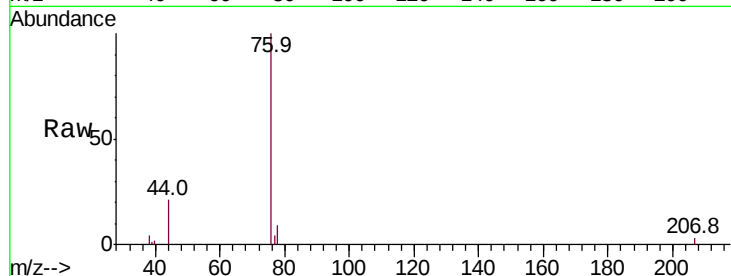




#17
Carbon Disulfide
Concen: 2.166 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW006290.D
Acq: 23 Oct 2018 10:05

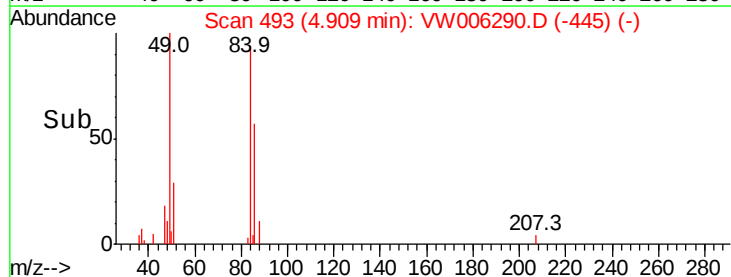
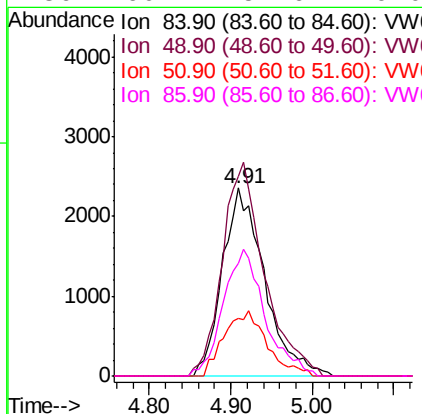
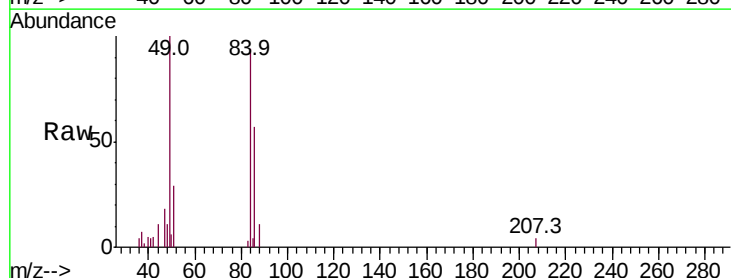
Instrument :
MSVOA_W
ClientSampled :

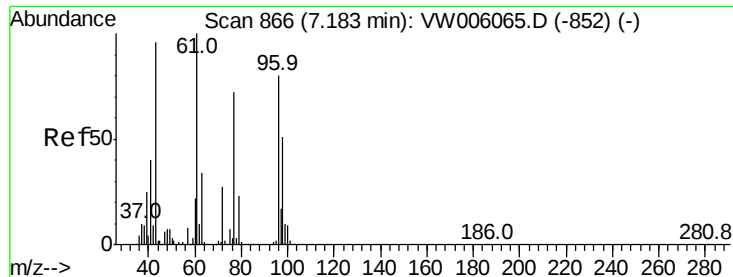
Tot Ion: 76 Resp: 13249
Ion Ratio Lower Upper
76 100
78 8.6 7.5 11.3



#20
Methylene Chloride
Concen: 2.421 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW006290.D
Acq: 23 Oct 2018 10:05

Tgt Ion: 84 Resp: 8447
Ion Ratio Lower Upper
84 100
49 106.1 93.6 140.4
51 31.0 29.0 43.4
86 60.2 52.6 79.0





#25

2-Butanone

Concen: 3.939 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.00 min

Lab File: VW006290.D

Acq: 23 Oct 2018 10:05

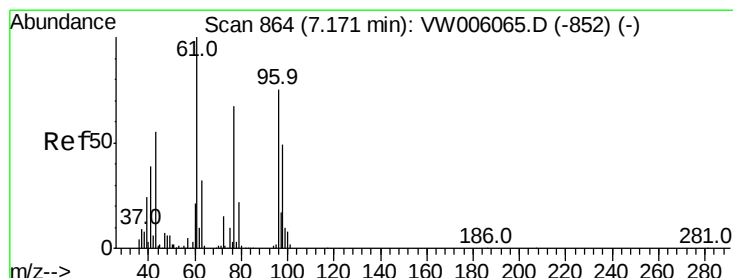
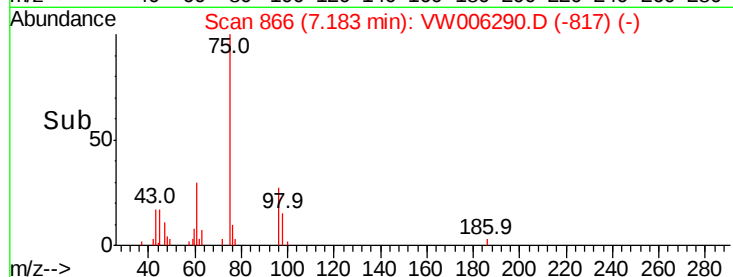
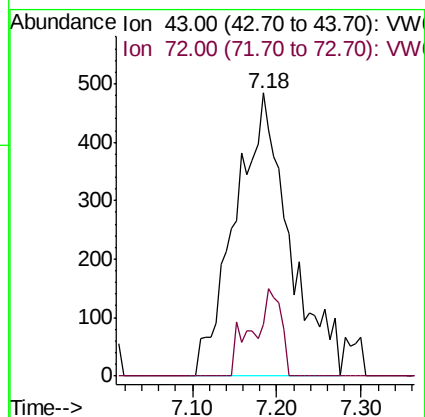
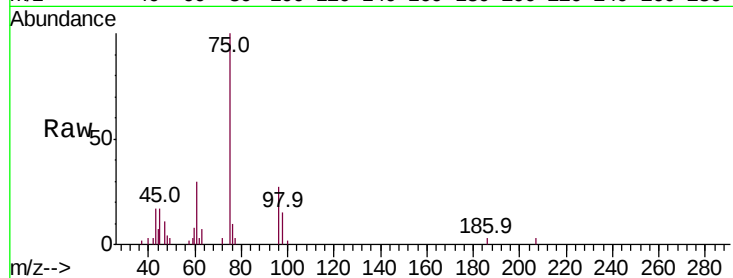
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 2140

Ion Ratio Lower Upper

43 100

72 18.0 22.8 34.2#



#27

cis-1,2-Dichloroethene

Concen: 1.015 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW006290.D

Acq: 23 Oct 2018 10:05

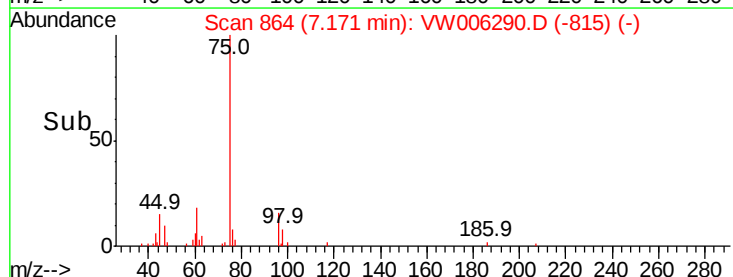
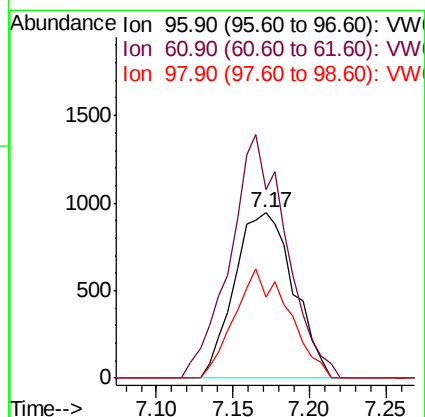
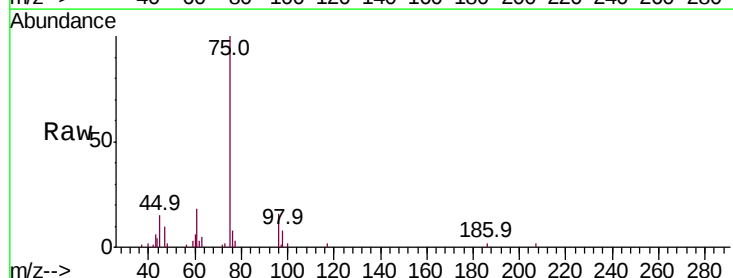
Tgt Ion: 96 Resp: 2534

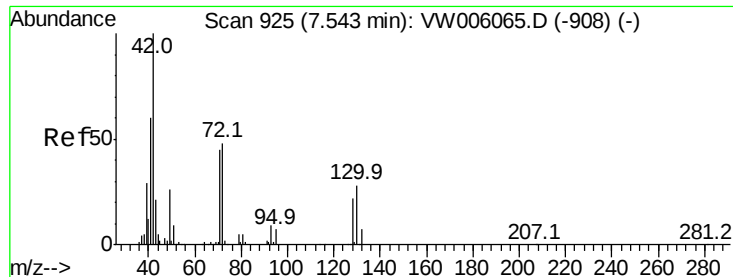
Ion Ratio Lower Upper

96 100

61 139.8 0.0 267.2

98 61.0 0.0 128.6

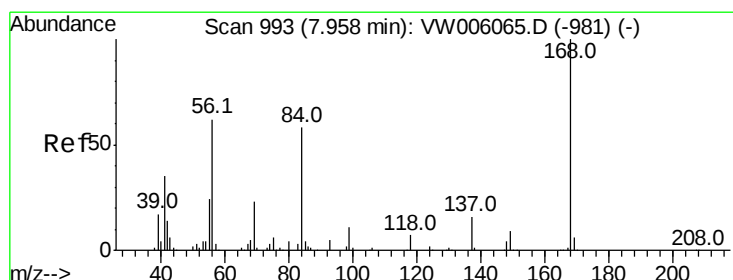
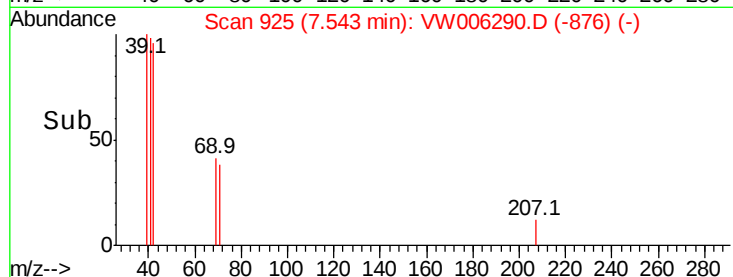
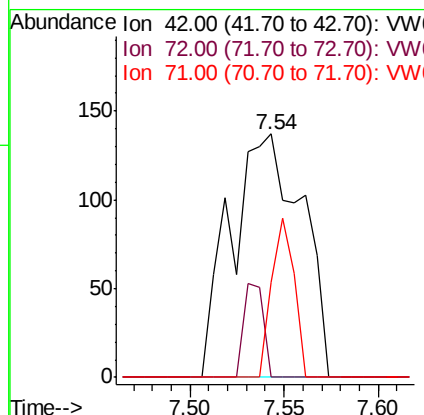
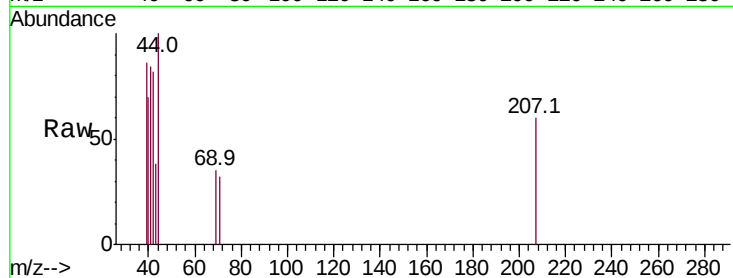




#29
Tetrahydrofuran
Concen: 1.075 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.00 min
Lab File: VW006290.D
Acq: 23 Oct 2018 10:05

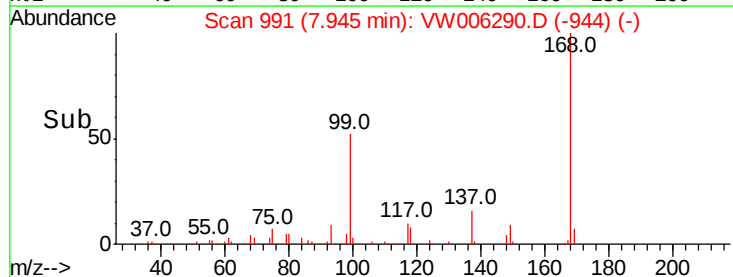
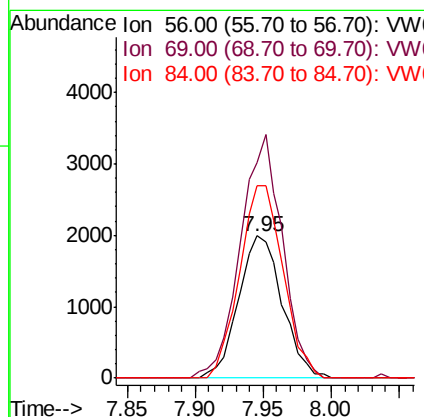
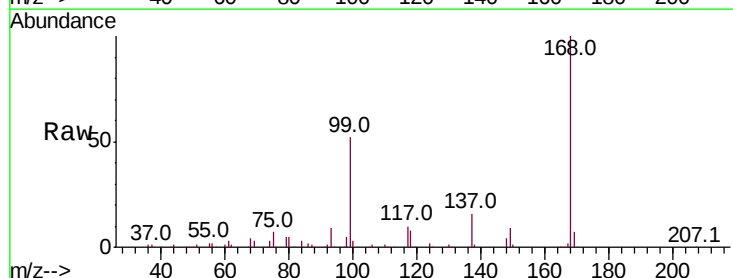
Instrument :
MSVOA_W
ClientSampleId :

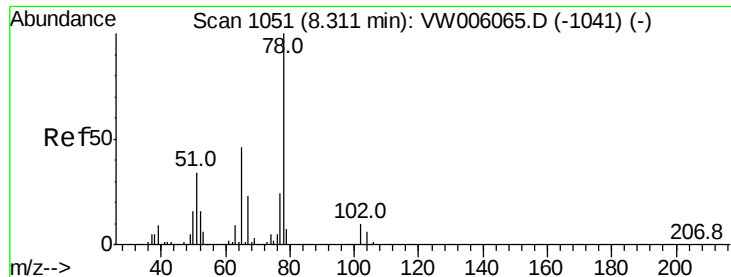
Tot Ion: 42 Resp: 359
Ion Ratio Lower Upper
42 100
72 10.6 38.0 57.0#
71 20.6 35.3 52.9#



#31
Cyclohexane
Concen: 1.216 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW006290.D
Acq: 23 Oct 2018 10:05

Tgt Ion: 56 Resp: 4476
Ion Ratio Lower Upper
56 100
69 151.8 29.4 44.0#
84 135.8 74.0 111.0#





#33

1,2-Dichloroethane-d4

Concen: 34.037 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW006290.D

Acq: 23 Oct 2018 10:05

Instrument :

MSVOA_W

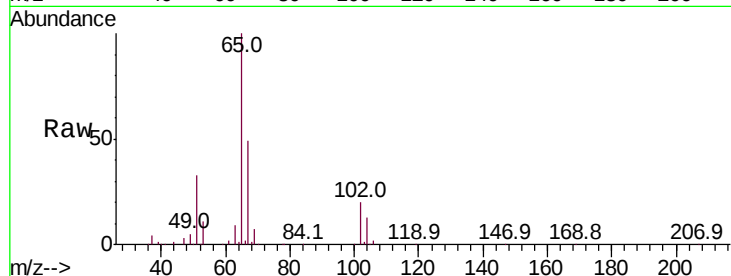
ClientSampleId :

Tot Ion: 65 Resp: 68447

Ion Ratio Lower Upper

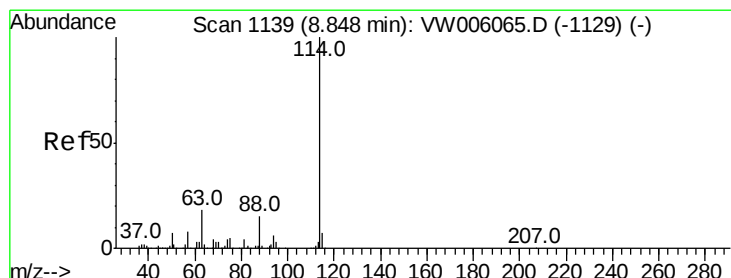
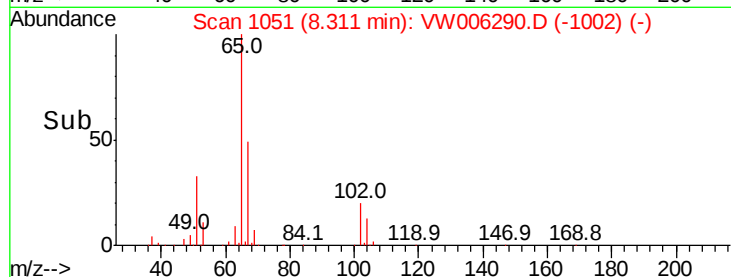
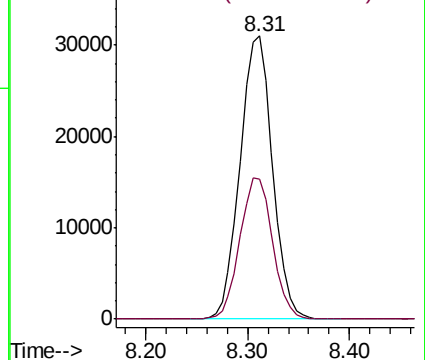
65 100

67 50.3 0.0 101.0



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: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW006290.D

Acq: 23 Oct 2018 10:05

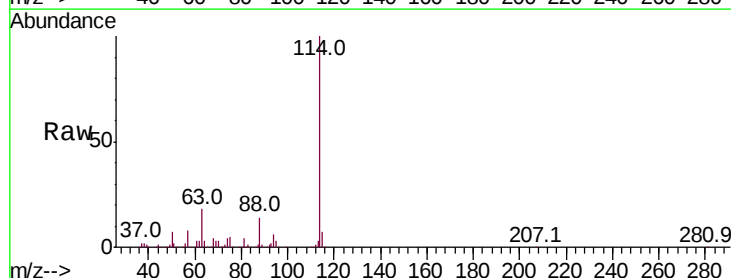
Tgt Ion: 114 Resp: 363244

Ion Ratio Lower Upper

114 100

63 18.1 0.0 36.8

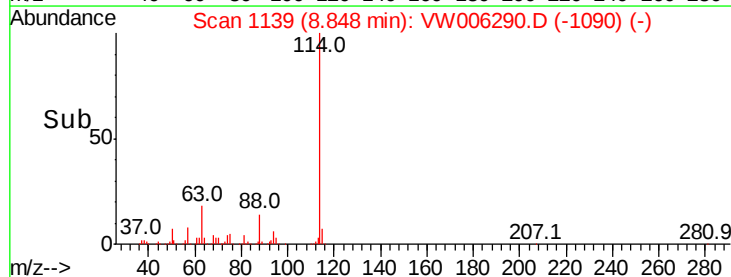
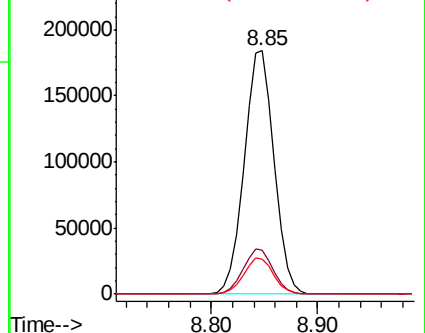
88 14.3 0.0 29.0

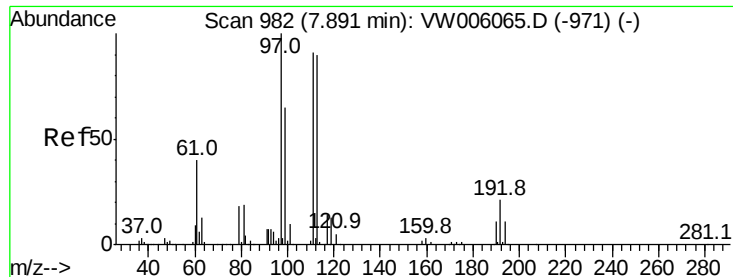


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 31.976 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.00 min

Lab File: VW006290.D

Acq: 23 Oct 2018 10:05

Instrument :
MSVOA_W
ClientSampleId :

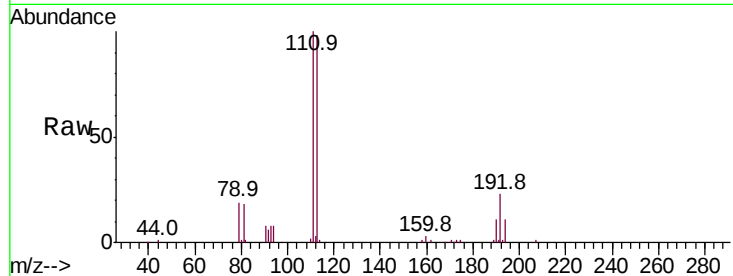
Tot Ion:113 Resp: 68632

Ion Ratio Lower Upper

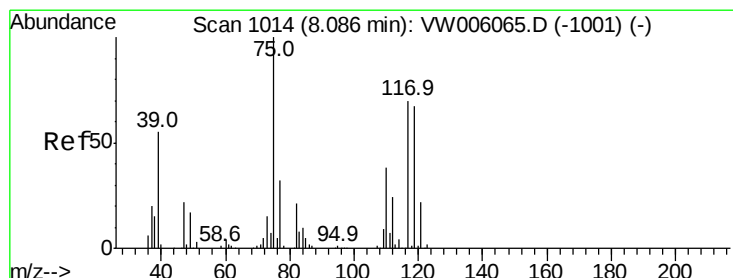
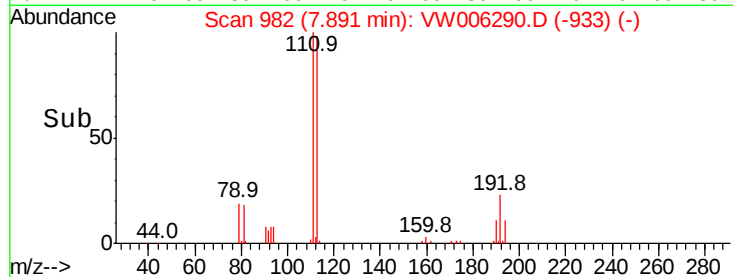
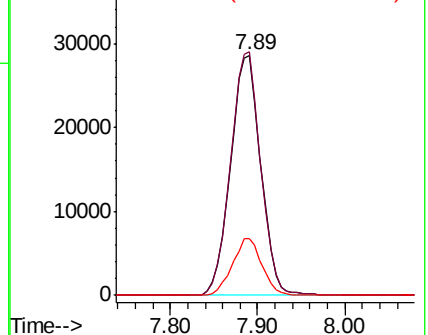
113 100

111 101.1 81.4 122.0

192 22.9 18.7 28.1



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: 4.842 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.14 min

Lab File: VW006290.D

Acq: 23 Oct 2018 10:05

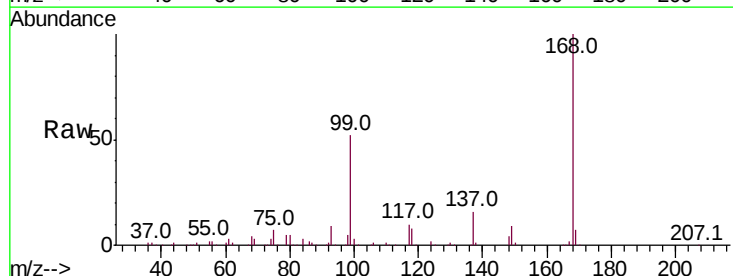
Tgt Ion: 75 Resp: 16212

Ion Ratio Lower Upper

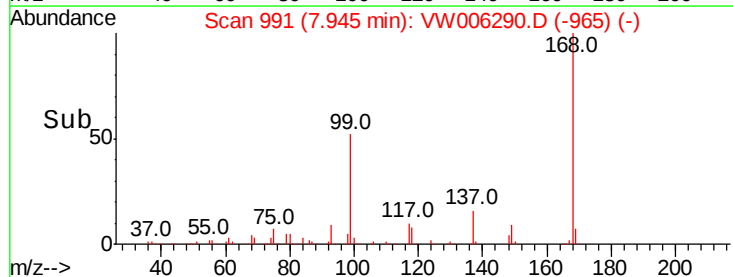
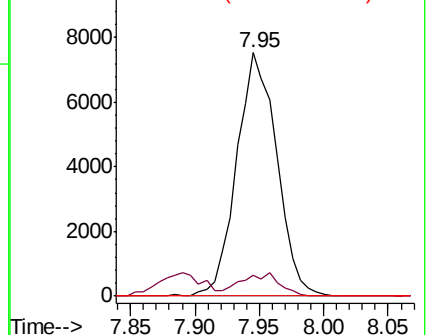
75 100

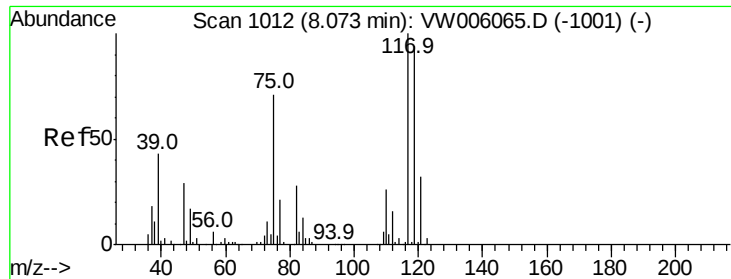
110 9.1 19.1 57.1#

77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.028 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW006290.D

Acq: 23 Oct 2018 10:05

Instrument :
MSVOA_W
ClientSampled :

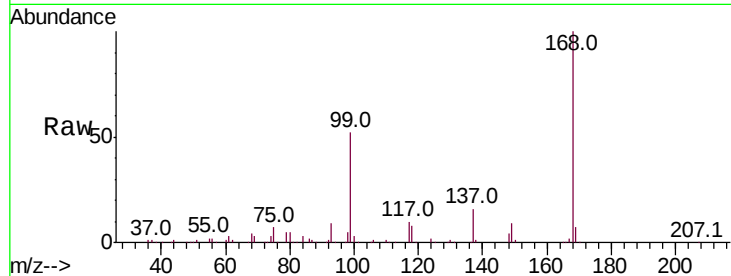
Tot Ion:117 Resp: 22124

Ion Ratio Lower Upper

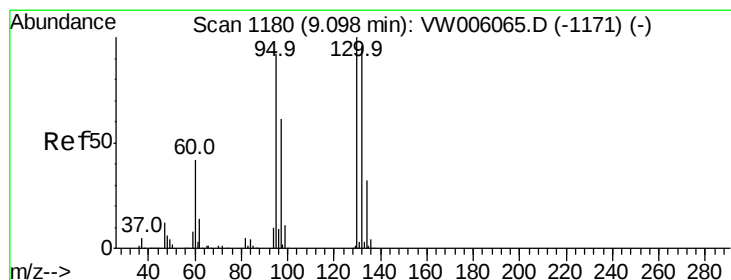
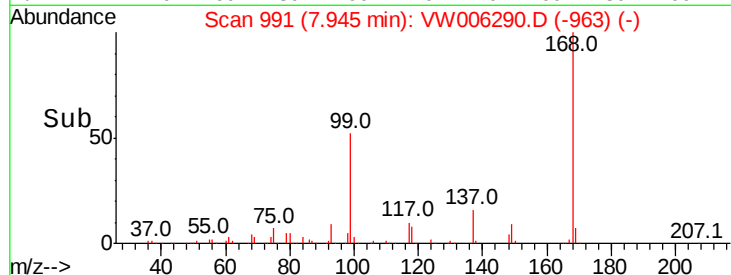
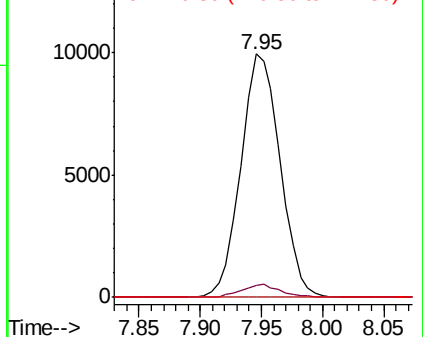
117 100

119 5.0 75.2 112.8#

121 0.0 25.3 37.9#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V



#44

Trichloroethene

Concen: 3.634 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW006290.D

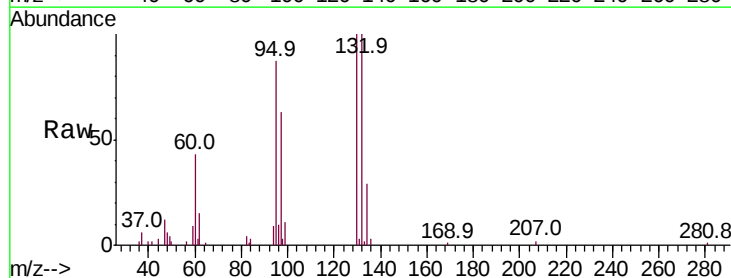
Acq: 23 Oct 2018 10:05

Tgt Ion:130 Resp: 10238

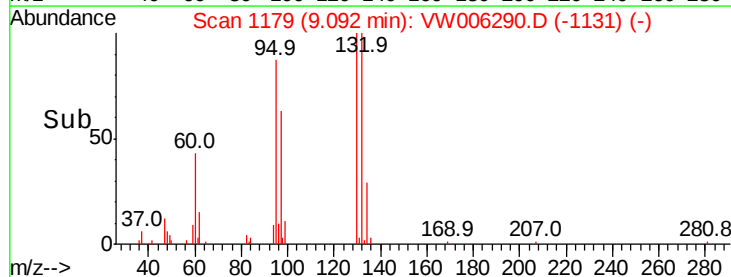
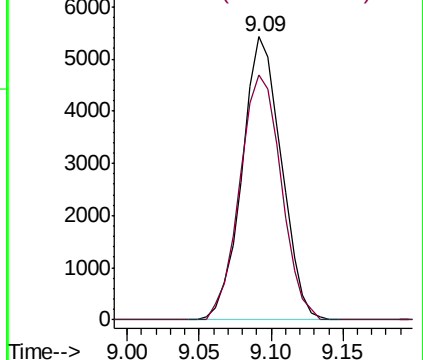
Ion Ratio Lower Upper

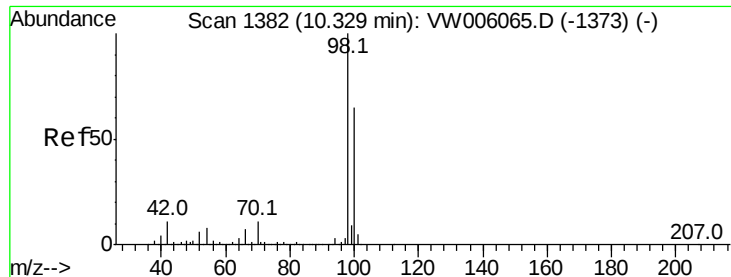
130 100

95 86.7 0.0 183.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): V

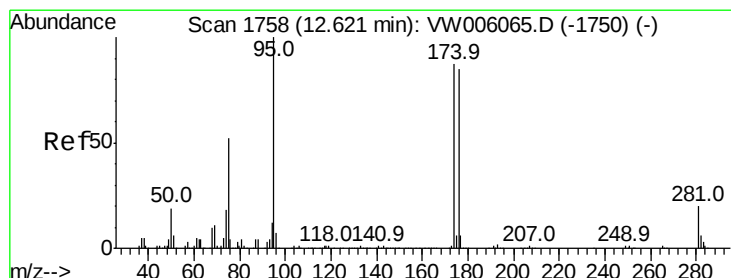
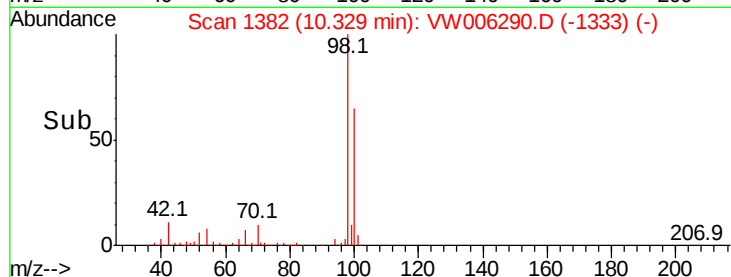
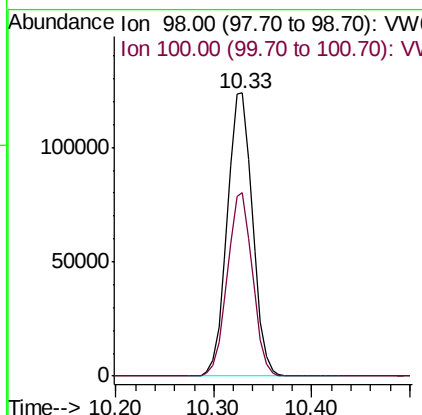
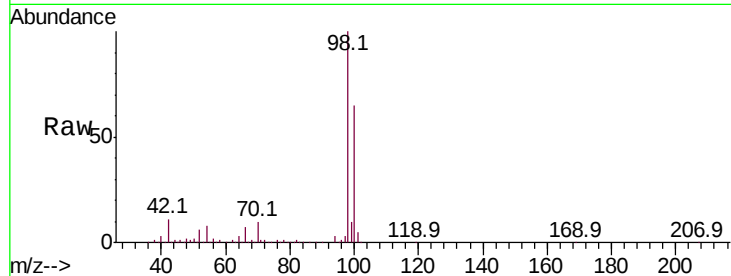




#50
Toluene-d8
Concen: 27.172 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW006290.D
Acq: 23 Oct 2018 10:05

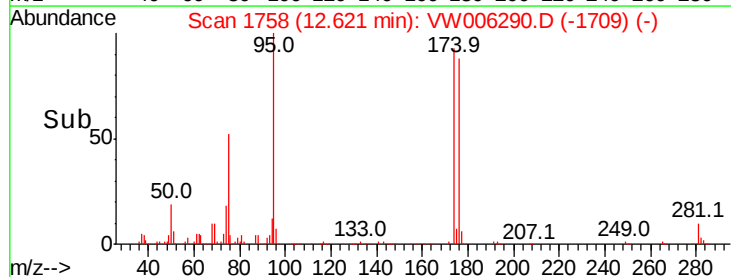
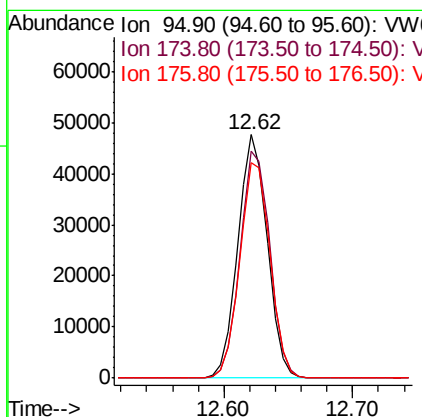
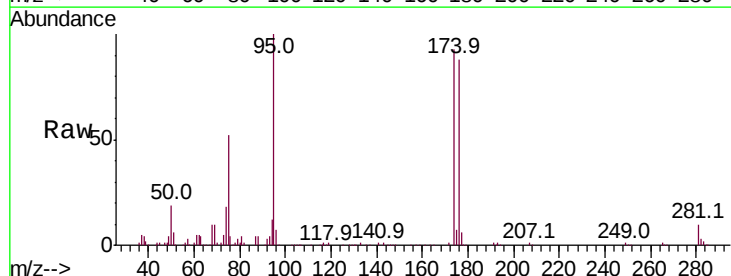
Instrument :
MSVOA_W
ClientSampled :

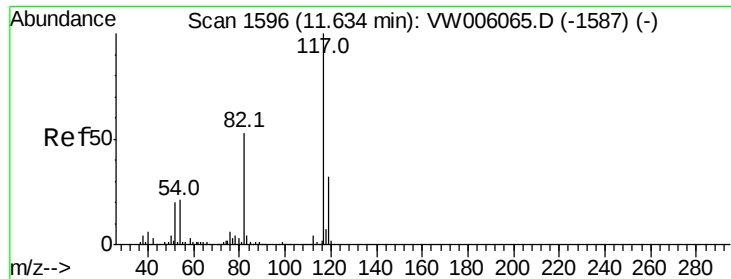
Tot Ion: 98 Resp: 221886
Ion Ratio Lower Upper
98 100
100 64.4 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 24.505 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW006290.D
Acq: 23 Oct 2018 10:05

Tgt Ion: 95 Resp: 75159
Ion Ratio Lower Upper
95 100
174 94.6 0.0 186.0
176 91.2 0.0 181.6

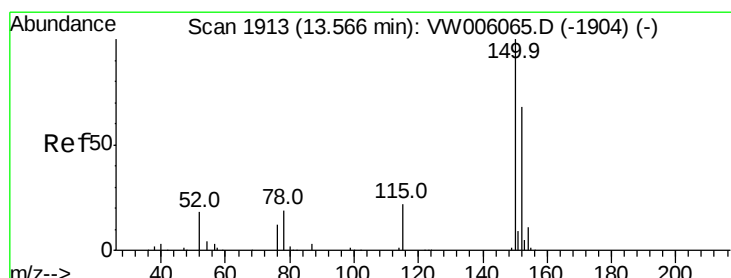
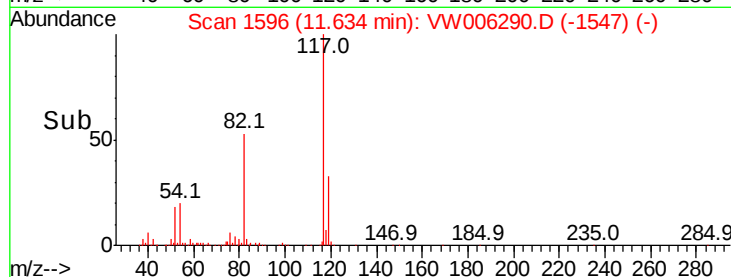
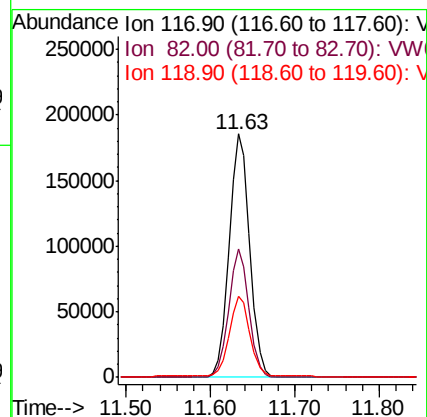
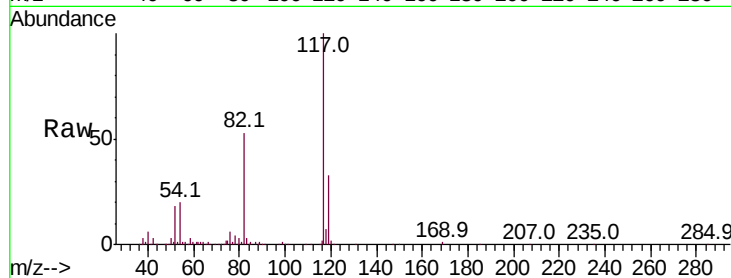




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006290.D
Acq: 23 Oct 2018 10:05

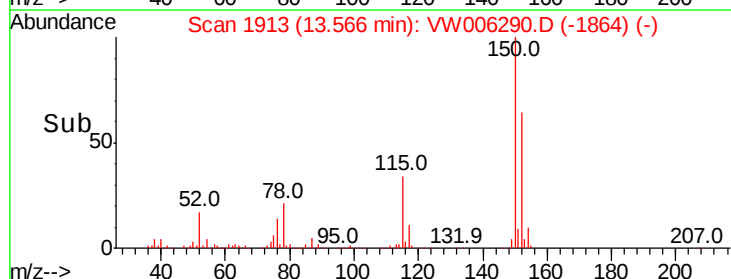
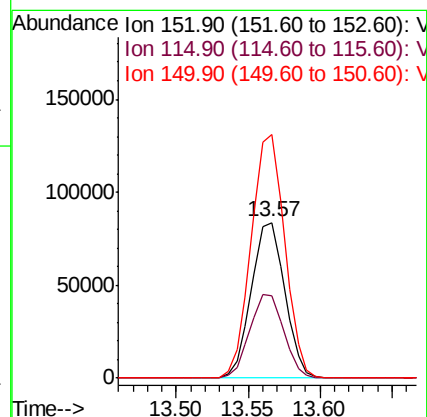
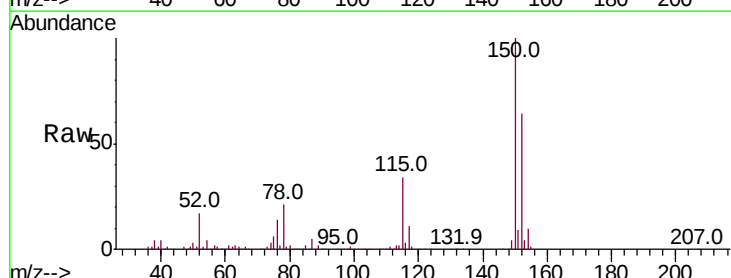
Instrument :
MSVOA_W
ClientSampleId :

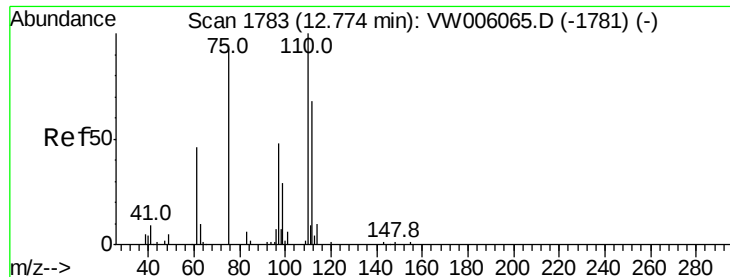
Tot Ion:117 Resp: 308222
Ion Ratio Lower Upper
117 100
82 52.9 42.1 63.1
119 33.3 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW006290.D
Acq: 23 Oct 2018 10:05

Tgt Ion:152 Resp: 134764
Ion Ratio Lower Upper
152 100
115 54.4 27.8 83.3
150 156.7 0.0 349.2





#76

1,2,3-Trichloropropane

Concen: 37.471 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006290.D

Acq: 23 Oct 2018 10:05

Instrument :

MSVOA_W

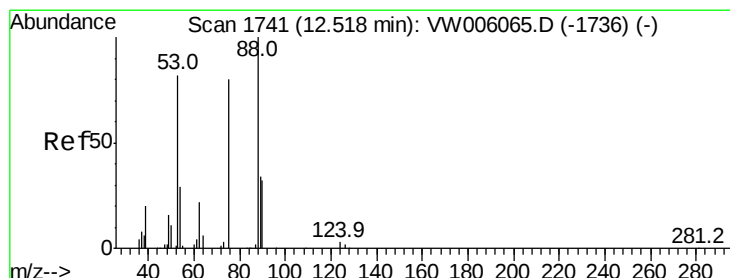
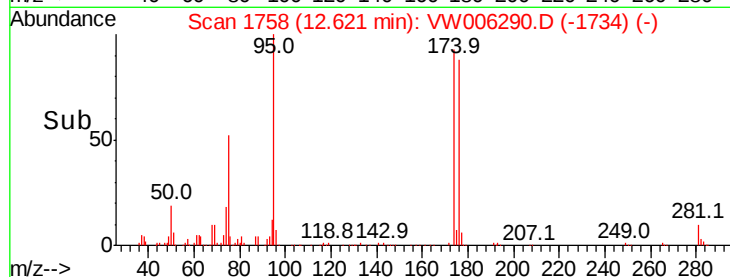
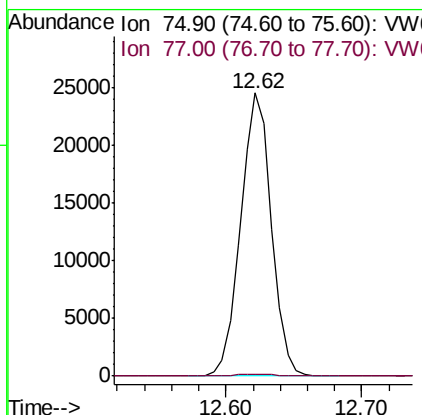
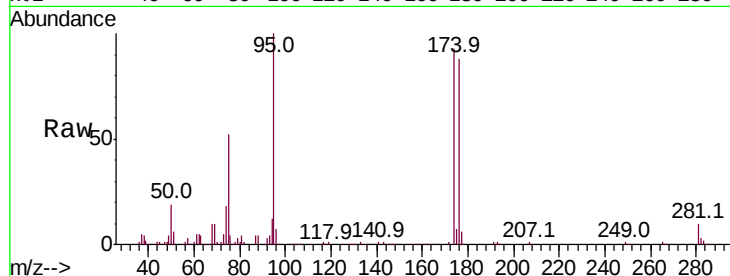
ClientSampled :

Tot Ion: 75 Resp: 38570

Ion Ratio Lower Upper

75 100

77 0.9 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 89.570 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006290.D

Acq: 23 Oct 2018 10:05

Tgt Ion: 75 Resp: 38570

Ion Ratio Lower Upper

75 100

53 0.0 79.8 119.6#

89 0.0 37.5 56.3#

