

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101018\
 Data File : VW005991.D
 Acq On : 10 Oct 2018 16:29
 Operator : SY/AP
 Sample : J5306-06RE
 Misc : 5.88G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 S-16-V

Quant Time: Oct 11 04:53:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100818S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 09 02:14:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	234349	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	352371	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	314412	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	152874	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	109965	48.34	ug/l	0.00
Spiked Amount			Recovery	=	96.68%	
35) Dibromofluoromethane	7.88	113	108281	48.13	ug/l	0.00
Spiked Amount			Recovery	=	96.26%	
50) Toluene-d8	10.33	98	400772	46.30	ug/l	0.00
Spiked Amount			Recovery	=	92.60%	
62) 4-Bromofluorobenzene	12.62	95	139546	42.37	ug/l	0.00
Spiked Amount			Recovery	=	84.74%	

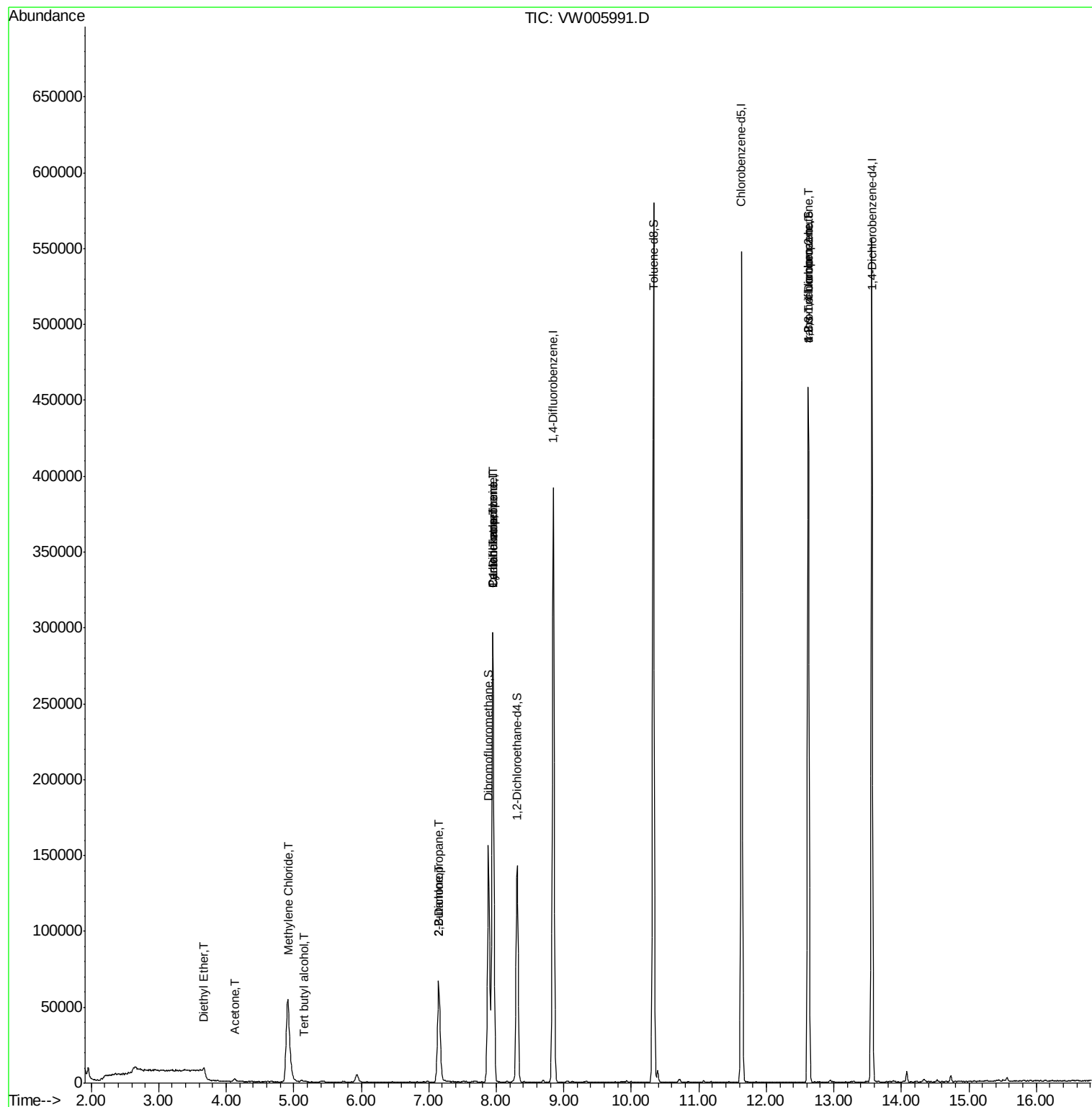
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1130	1.079	ug/l	61
11) Tert butyl alcohol	5.15	59	733	4.396	ug/l #	81
16) Acetone	4.12	43	3129	6.886	ug/l	99
20) Methylene Chloride	4.91	84	51566	22.650	ug/l	94
25) 2-Butanone	7.15	43	3446	5.332	ug/l #	75
26) 2,2-Dichloropropane	7.15	77	4638	1.637	ug/l #	52
31) Cyclohexane	7.95	56	4650	1.168	ug/l #	28
36) 1,1-Dichloropropene	7.95	75	16190	4.795	ug/l #	48
38) Carbon Tetrachloride	7.95	117	21035	5.799	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	71655	52.472	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	71655	110.774	ug/l #	11

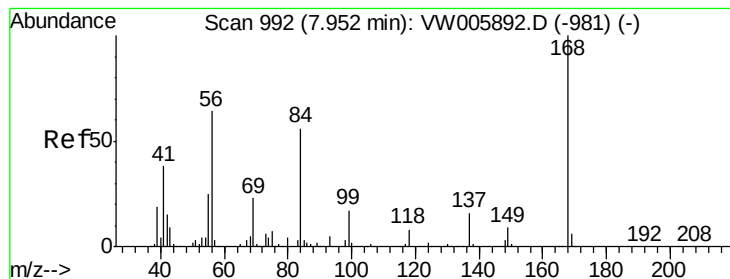
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Oct 09 02:14:04 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: VW005991.D

Acq: 10 Oct 2018 16:29

Instrument :

MSVOA_W

ClientSampleId :

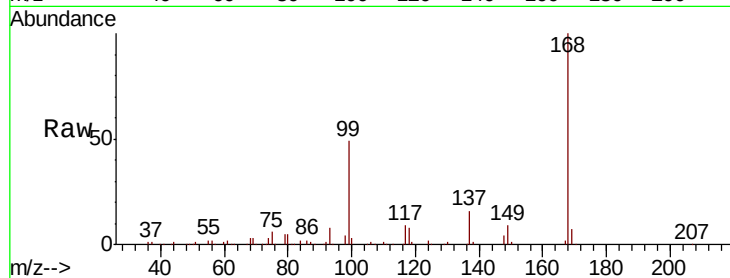
S-16-V

Tot Ion:168 Resp: 234349

Ion Ratio Lower Upper

168 100

99 49.0 40.9 61.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

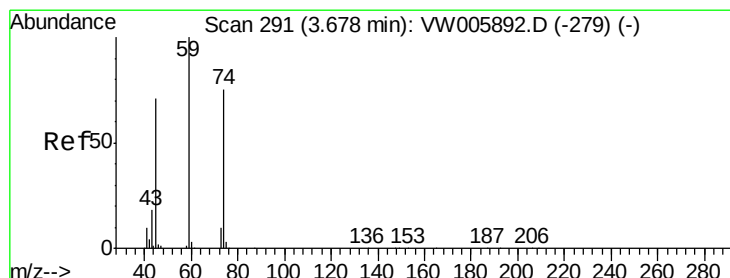
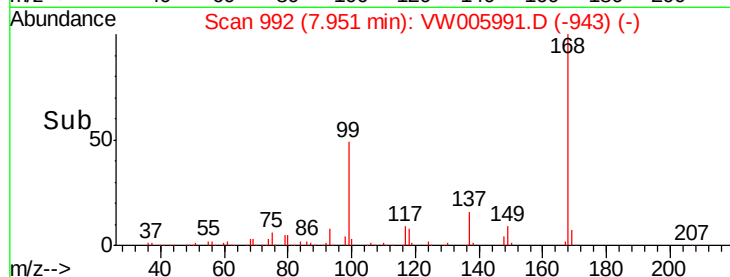
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.079 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW005991.D

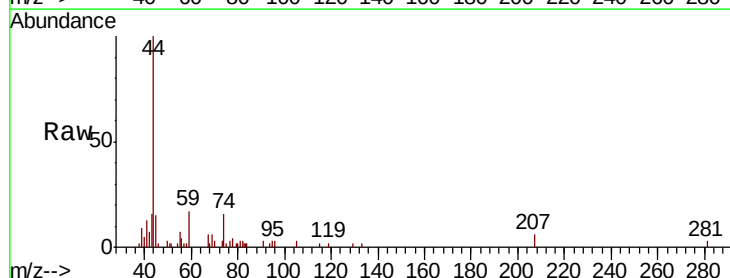
Acq: 10 Oct 2018 16:29

Tgt Ion: 74 Resp: 1130

Ion Ratio Lower Upper

74 100

45 131.3 46.8 140.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

600

500

400

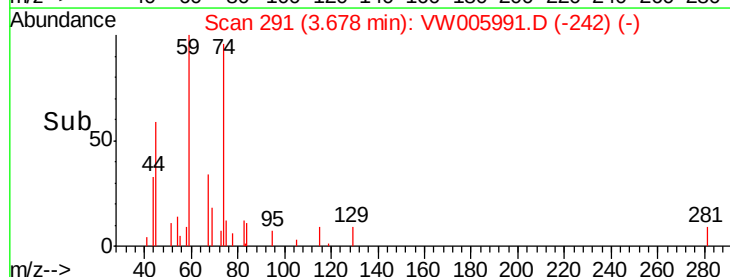
300

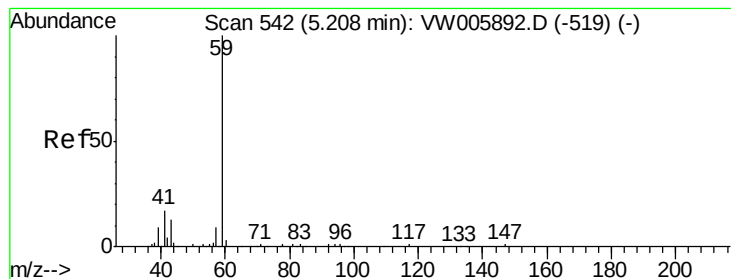
200

100

0

Time-->





#11

Tert butyl alcohol

Concen: 4.396 ug/l

RT: 5.15 min Scan# 532

Delta R.T. -0.06 min

Lab File: VW005991.D

Acq: 10 Oct 2018 16:29

Instrument :

MSVOA_W

ClientSampled :

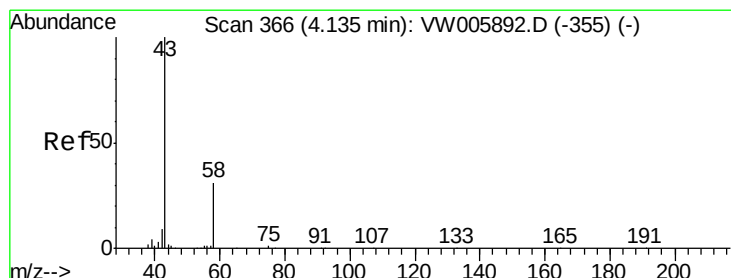
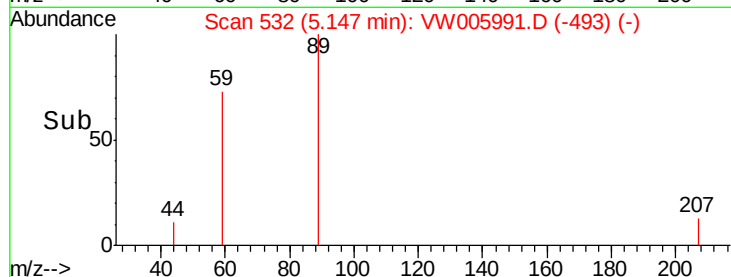
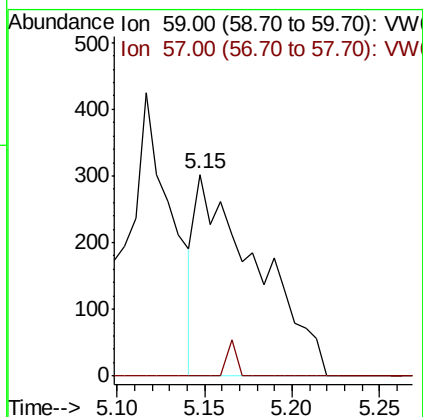
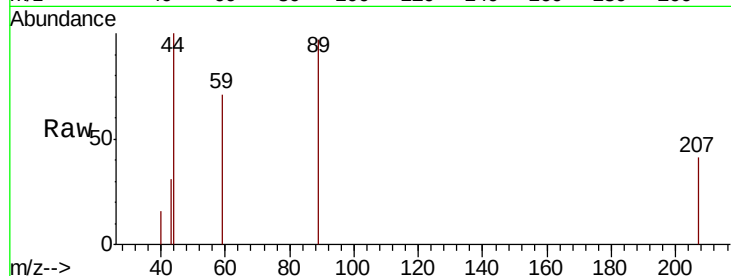
S-16-V

Tot Ion: 59 Resp: 733

Ion Ratio Lower Upper

59 100

57 2.7 7.7 11.5#



#16

Acetone

Concen: 6.886 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW005991.D

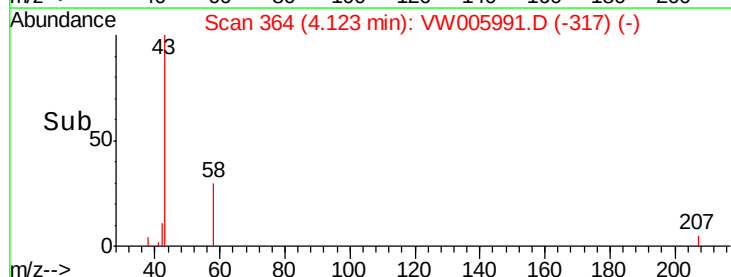
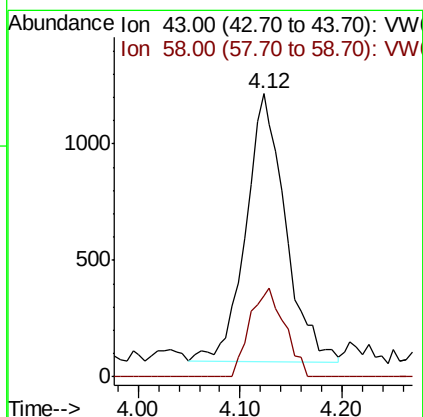
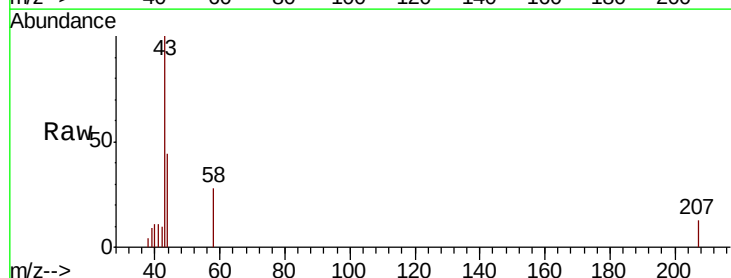
Acq: 10 Oct 2018 16:29

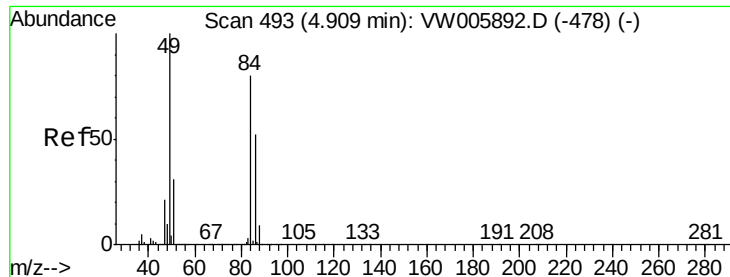
Tgt Ion: 43 Resp: 3129

Ion Ratio Lower Upper

43 100

58 30.1 24.7 37.1

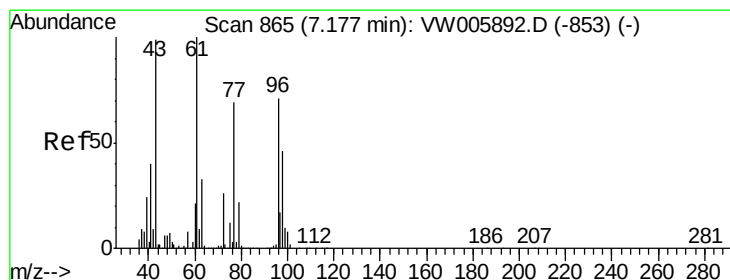
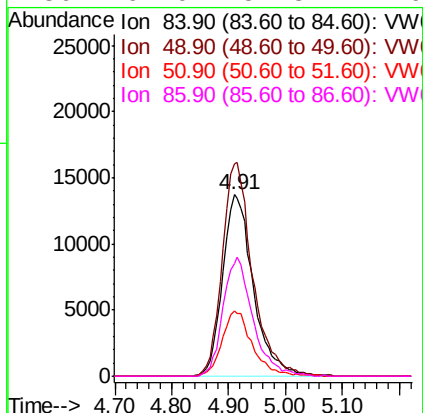
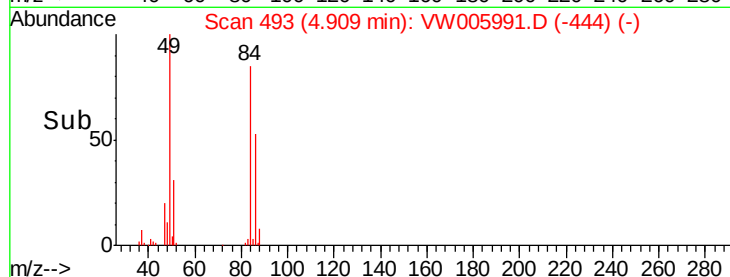
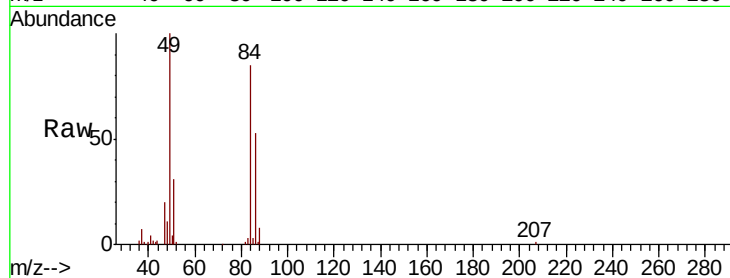




#20
Methylene Chloride
Concen: 22.650 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW005991.D
Acq: 10 Oct 2018 16:29

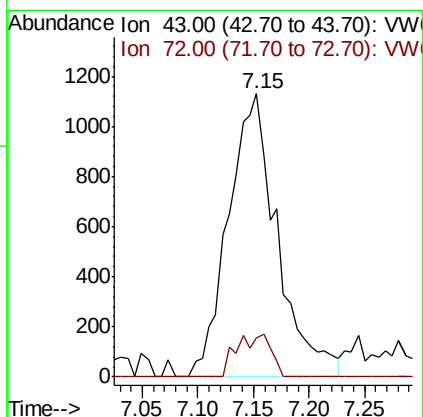
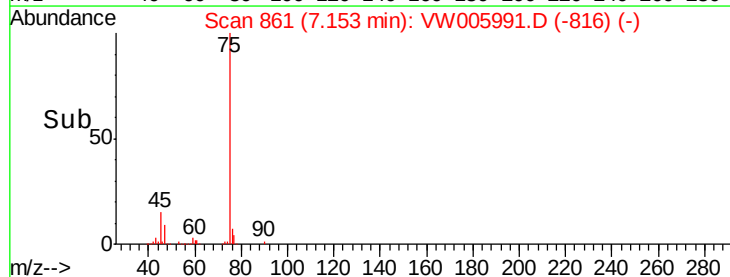
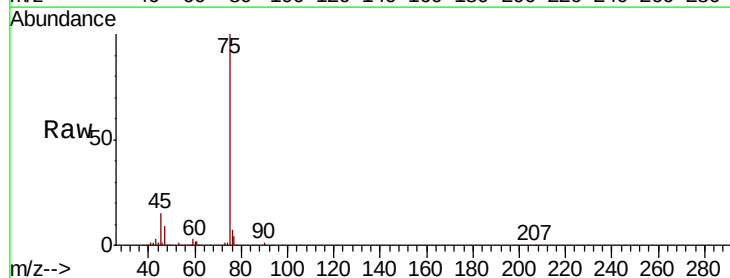
Instrument :
MSVOA_W
ClientSampled :
S-16-V

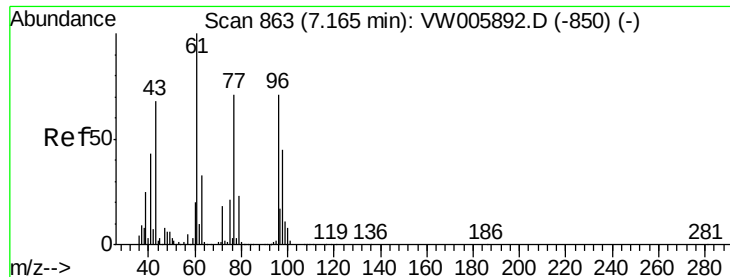
Tot Ion:	84	Resp:	51566
Ion	Ratio	Lower	Upper
84	100		
49	117.0	99.9	149.9
51	35.8	31.1	46.7
86	62.0	51.8	77.6



#25
2-Butanone
Concen: 5.332 ug/l
RT: 7.15 min Scan# 861
Delta R.T. -0.02 min
Lab File: VW005991.D
Acq: 10 Oct 2018 16:29

Tgt Ion:	43	Resp:	3446
Ion	Ratio	Lower	Upper
43	100		
72	13.5	21.0	31.4#





#26

2,2-Dichloropropane

Concen: 1.637 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW005991.D

Acq: 10 Oct 2018 16:29

Instrument :

MSVOA_W

ClientSampleId :

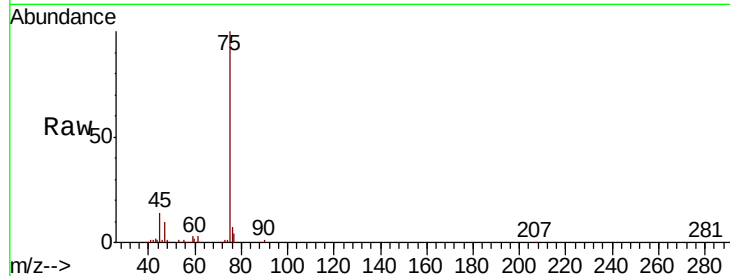
S-16-V

Tot Ion: 77 Resp: 4638

Ion Ratio Lower Upper

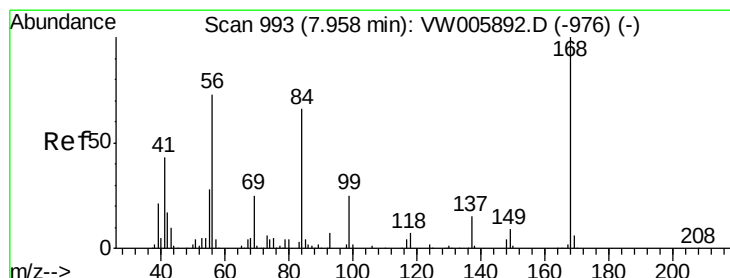
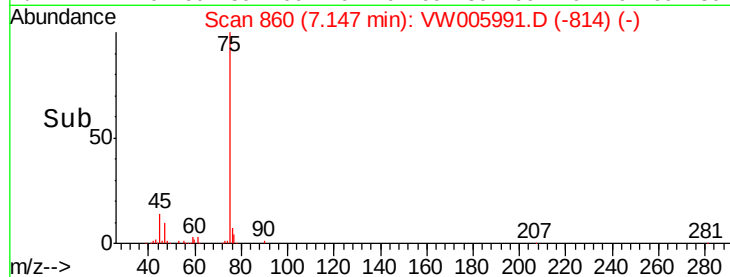
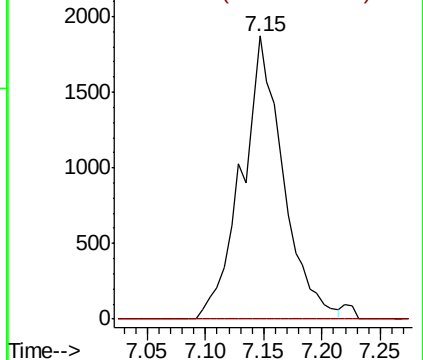
77 100

97 0.0 11.9 35.7#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



#31

Cyclohexane

Concen: 1.168 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW005991.D

Acq: 10 Oct 2018 16:29

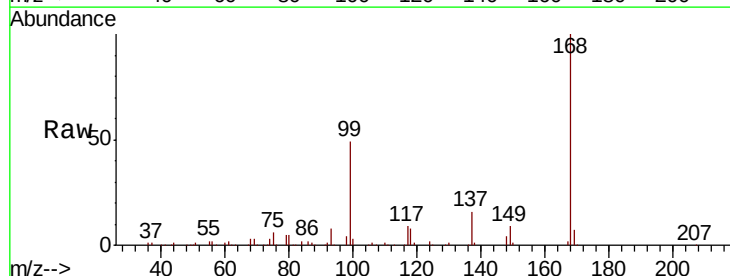
Tgt Ion: 56 Resp: 4650

Ion Ratio Lower Upper

56 100

69 140.5 27.9 41.9#

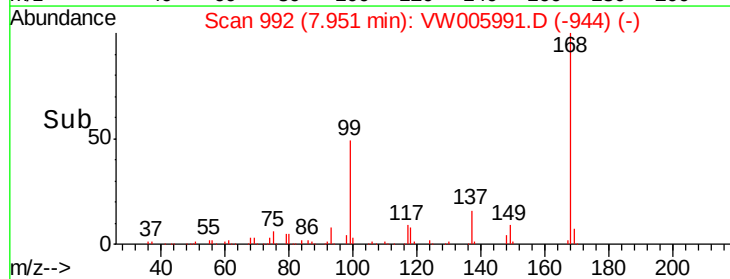
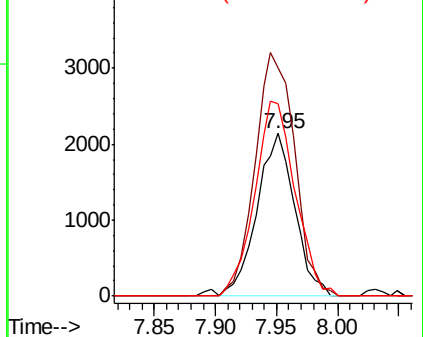
84 118.6 72.3 108.5#

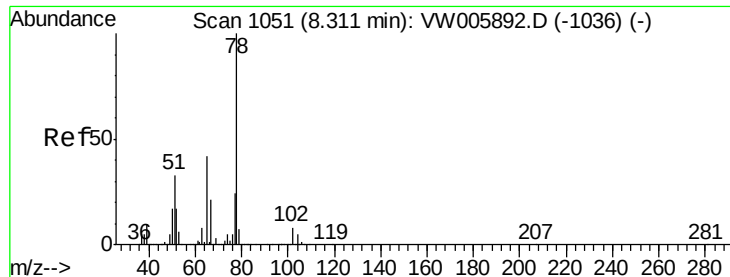


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

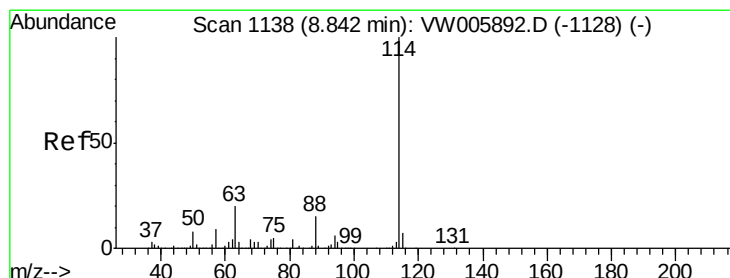
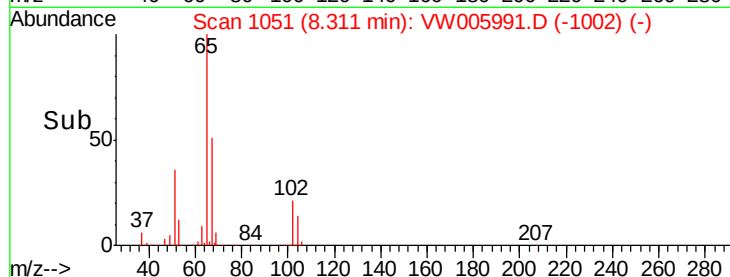
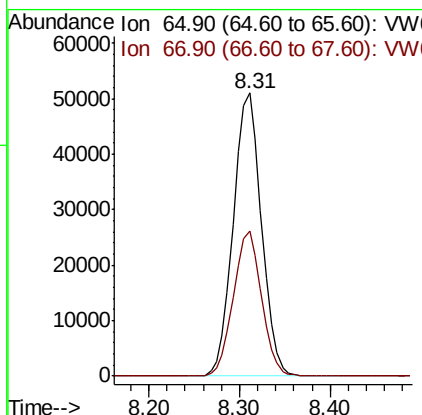
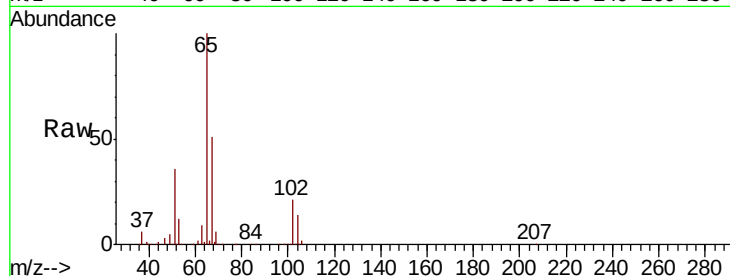




#33
 1,2-Dichloroethane-d4
 Concen: 48.336 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW005991.D
 Acq: 10 Oct 2018 16:29

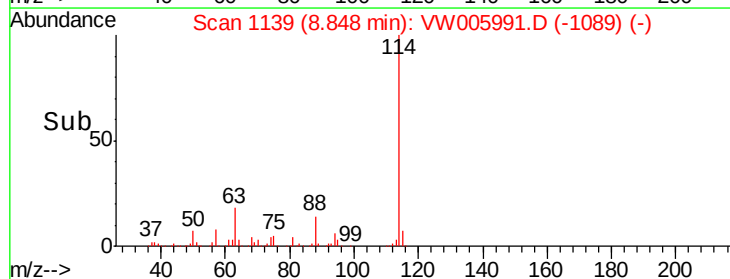
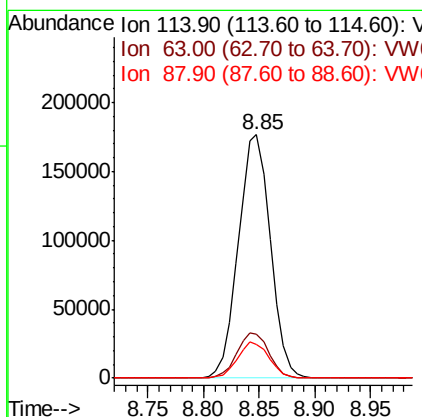
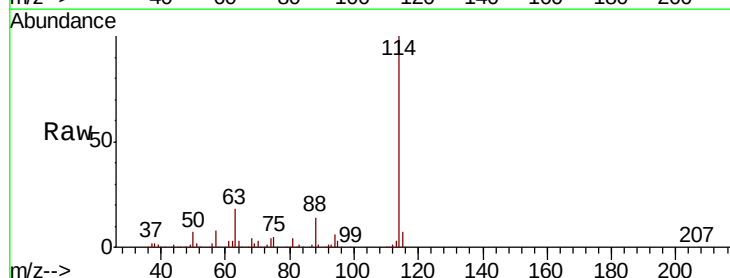
Instrument :
 MSVOA_W
 ClientSampleId :
 S-16-V

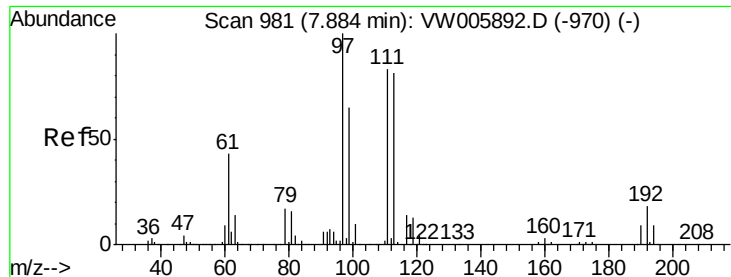
Tot Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VW005991.D
 Acq: 10 Oct 2018 16:29

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.9	0.0	39.2
88	13.9	0.0	30.8





#35

Dibromofluoromethane

Concen: 48.131 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW005991.D

Acq: 10 Oct 2018 16:29

Instrument :

MSVOA_W

ClientSampleId :

S-16-V

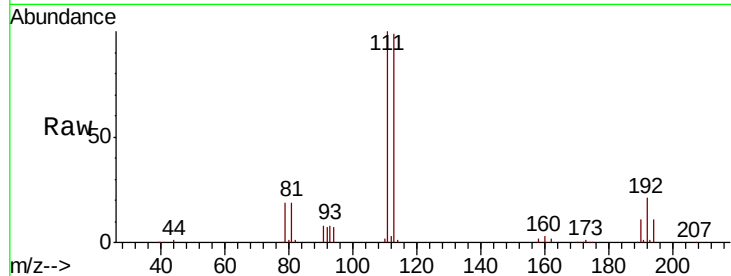
Tot Ion:113 Resp: 108281

Ion Ratio Lower Upper

113 100

111 102.9 82.0 123.0

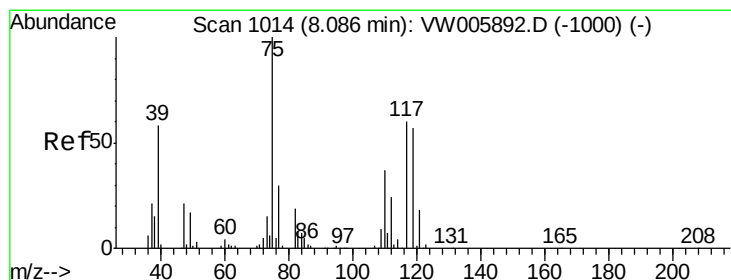
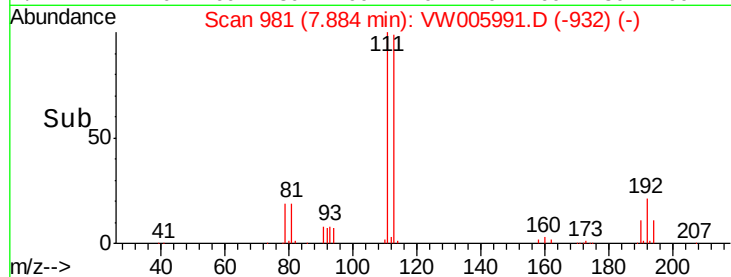
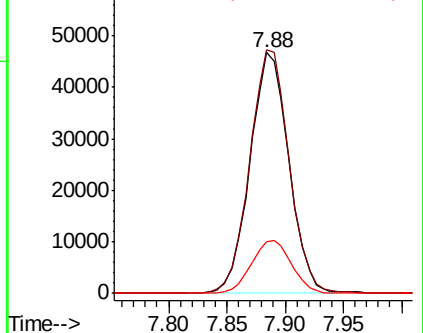
192 22.6 18.3 27.5



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: 4.795 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.14 min

Lab File: VW005991.D

Acq: 10 Oct 2018 16:29

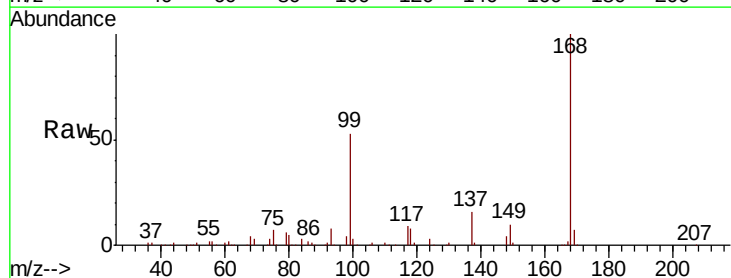
Tgt Ion: 75 Resp: 16190

Ion Ratio Lower Upper

75 100

110 8.6 18.6 56.0#

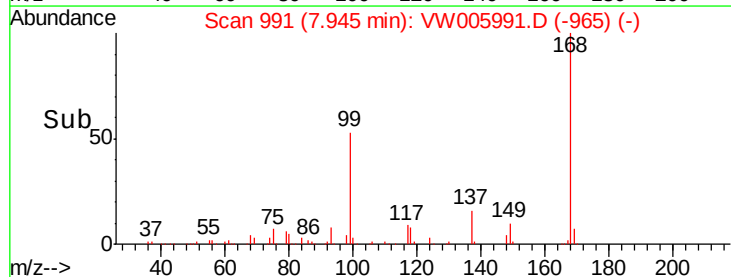
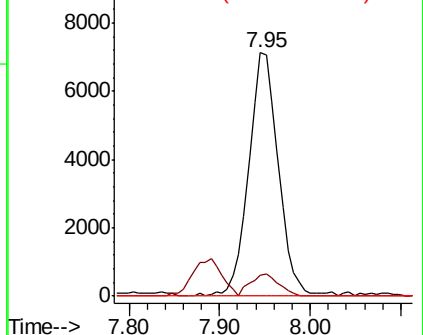
77 0.0 24.7 37.1#

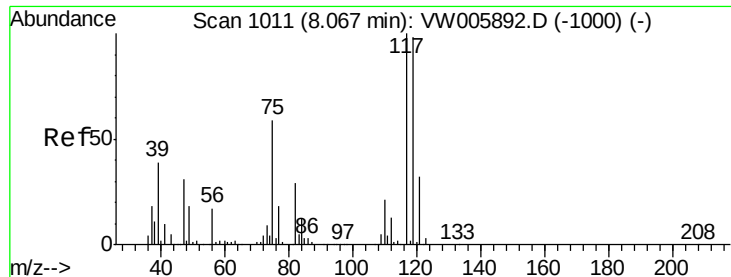


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 5.799 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW005991.D

Acq: 10 Oct 2018 16:29

Instrument :

MSVOA_W

ClientSampled :

S-16-V

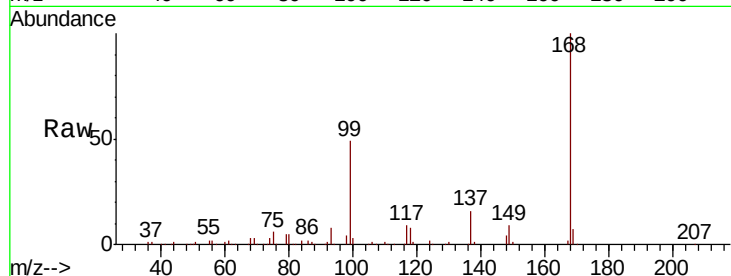
Tot Ion:117 Resp: 21035

Ion Ratio Lower Upper

117 100

119 6.4 78.6 117.8#

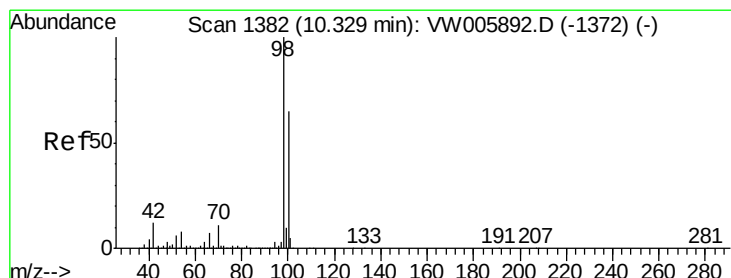
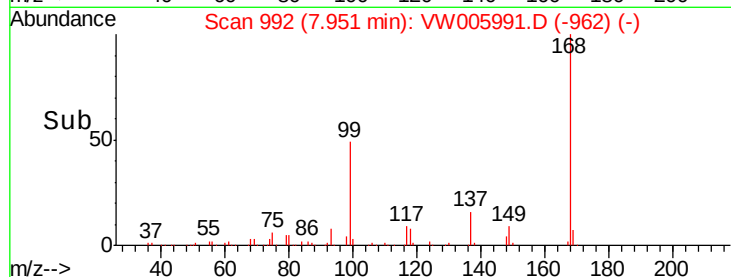
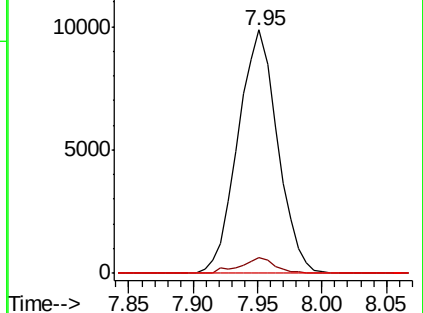
121 0.0 25.3 37.9#



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



#50

Toluene-d8

Concen: 46.302 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005991.D

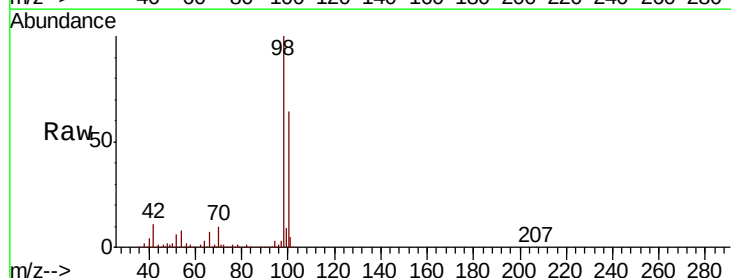
Acq: 10 Oct 2018 16:29

Tgt Ion: 98 Resp: 400772

Ion Ratio Lower Upper

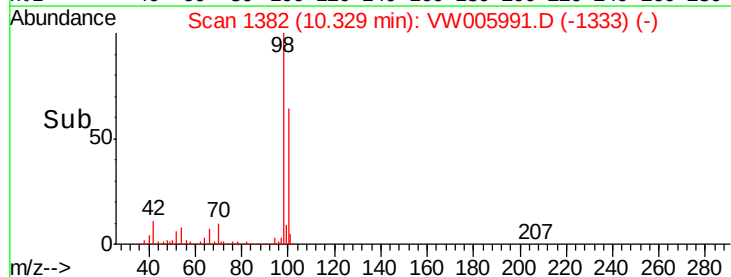
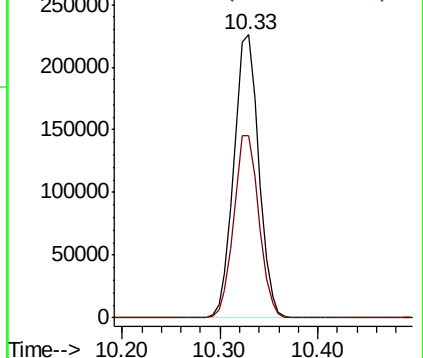
98 100

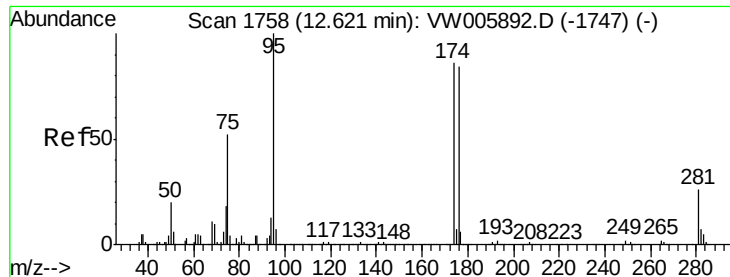
100 64.9 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

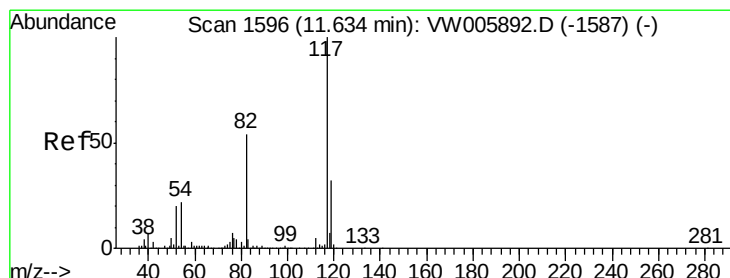
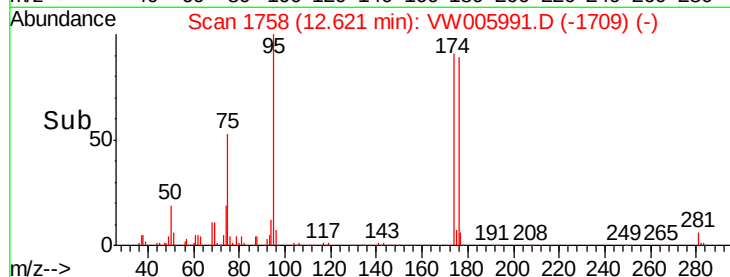
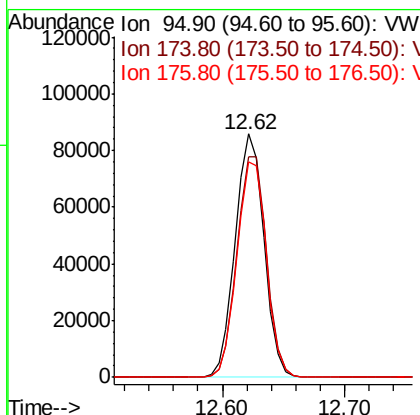
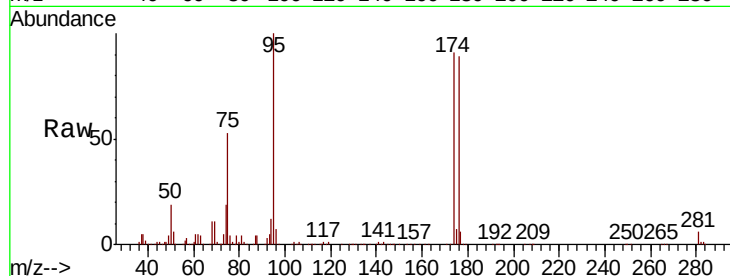




#62
4-Bromofluorobenzene
Concen: 42.374 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW005991.D
Acq: 10 Oct 2018 16:29

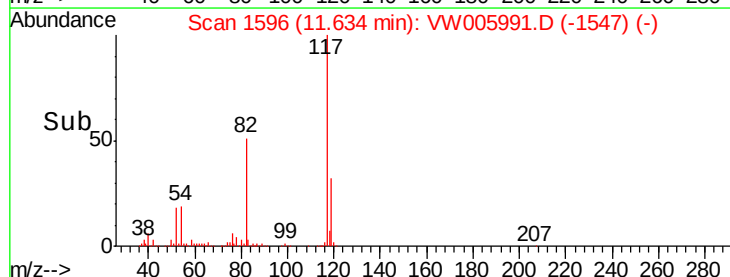
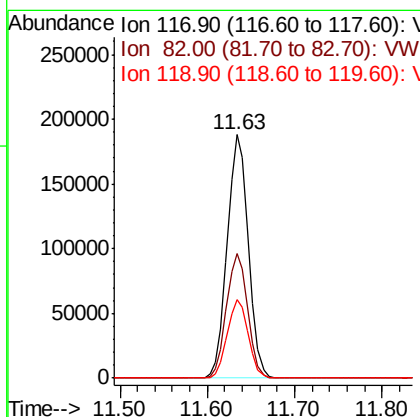
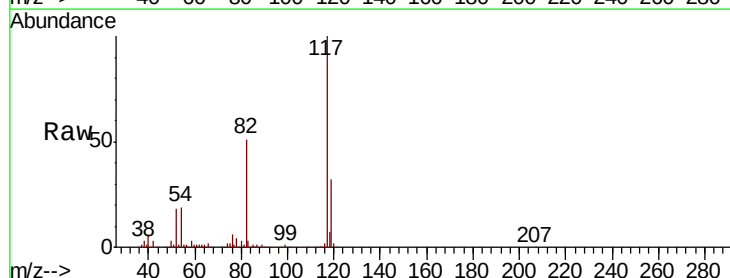
Instrument :
MSVOA_W
ClientSampleId :
S-16-V

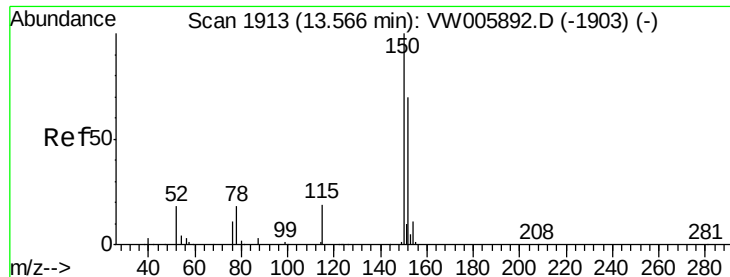
Tot Ion: 95 Resp: 139546
Ion Ratio Lower Upper
95 100
174 93.6 0.0 176.4
176 90.6 0.0 173.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW005991.D
Acq: 10 Oct 2018 16:29

Tgt Ion: 117 Resp: 314412
Ion Ratio Lower Upper
117 100
82 51.4 43.5 65.3
119 32.3 25.4 38.2

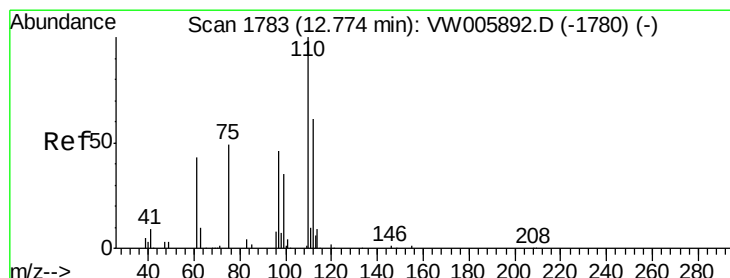
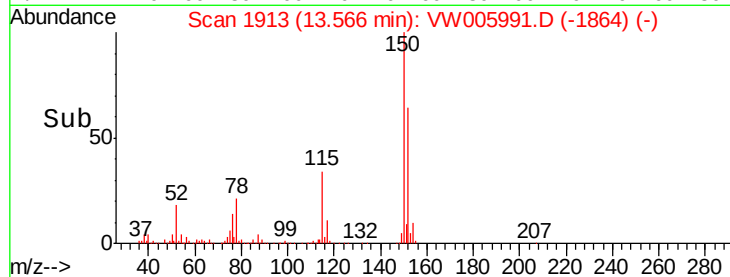
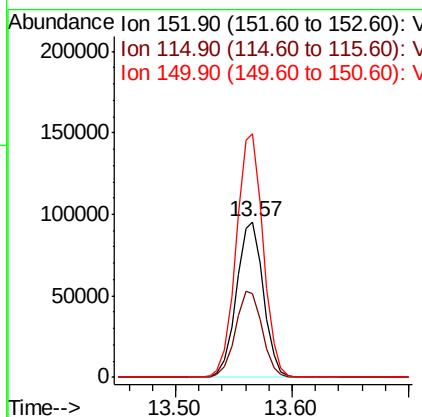
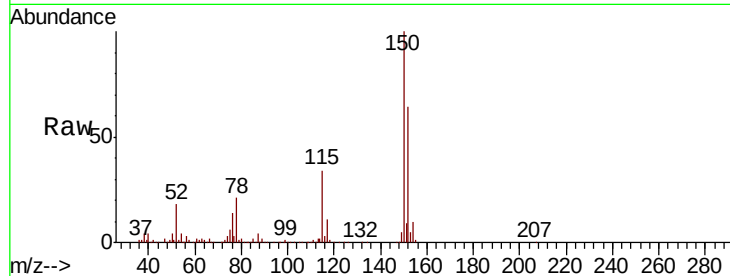




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.57 min Scan# 1913
 Delta R.T. -0.00 min
 Lab File: VW005991.D
 Acq: 10 Oct 2018 16:29

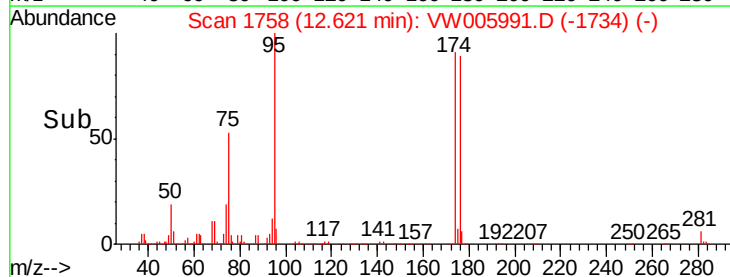
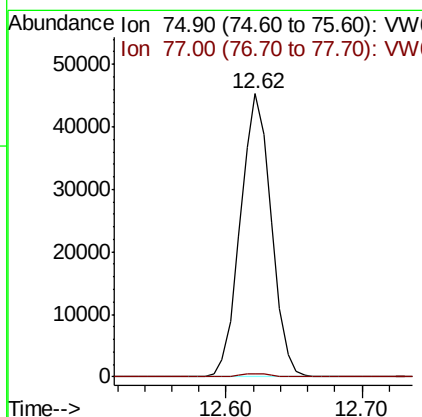
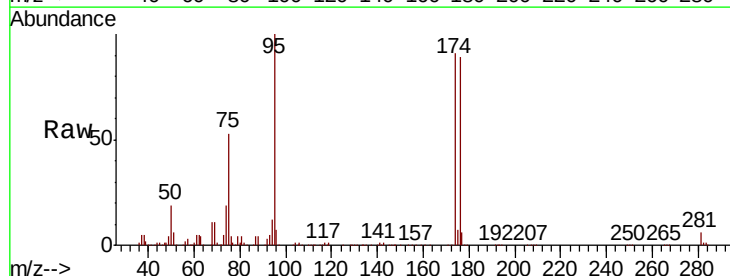
Instrument :
 MSVOA_W
 ClientSampleId :
 S-16-V

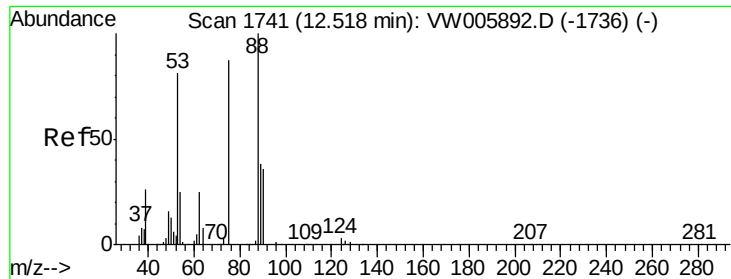
Tot Ion	Ratio	Lower	Upper
152	100		
115	55.5	28.3	85.0
150	156.8	0.0	349.2



#76
 1,2,3-Trichloropropane
 Concen: 52.472 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW005991.D
 Acq: 10 Oct 2018 16:29

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.2	0.0	0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 110.774 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005991.D

Acq: 10 Oct 2018 16:29

Instrument :

MSVOA_W

ClientSampleId :

S-16-V

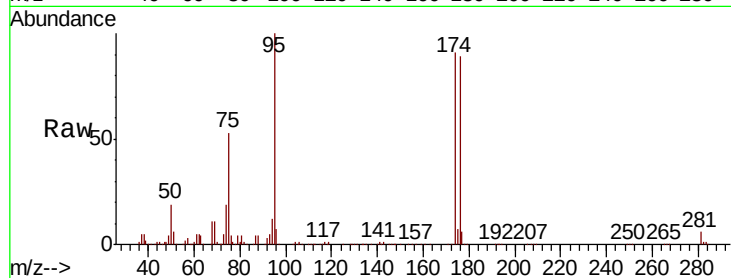
Tot Ion: 75 Resp: 71655

Ion Ratio Lower Upper

75 100

53 0.0 76.5 114.7#

89 0.0 37.6 56.4#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

