

Data File : VW005922.D
Acq On : 09 Oct 2018 04:55
Operator : SY/AP
Sample : J5306-06
Misc : 6.13G/5ML/MSVOA_W/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
S-16-V

Quant Time: Oct 09 06:17:51 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	249885	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	385101	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	331970	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	146986	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	89684	36.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.94%	
35) Dibromofluoromethane	7.88	113	90521	36.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.64%	
50) Toluene-d8	10.33	98	294492	31.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	62.26%	
62) 4-Bromofluorobenzene	12.62	95	105572	29.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	58.66%	

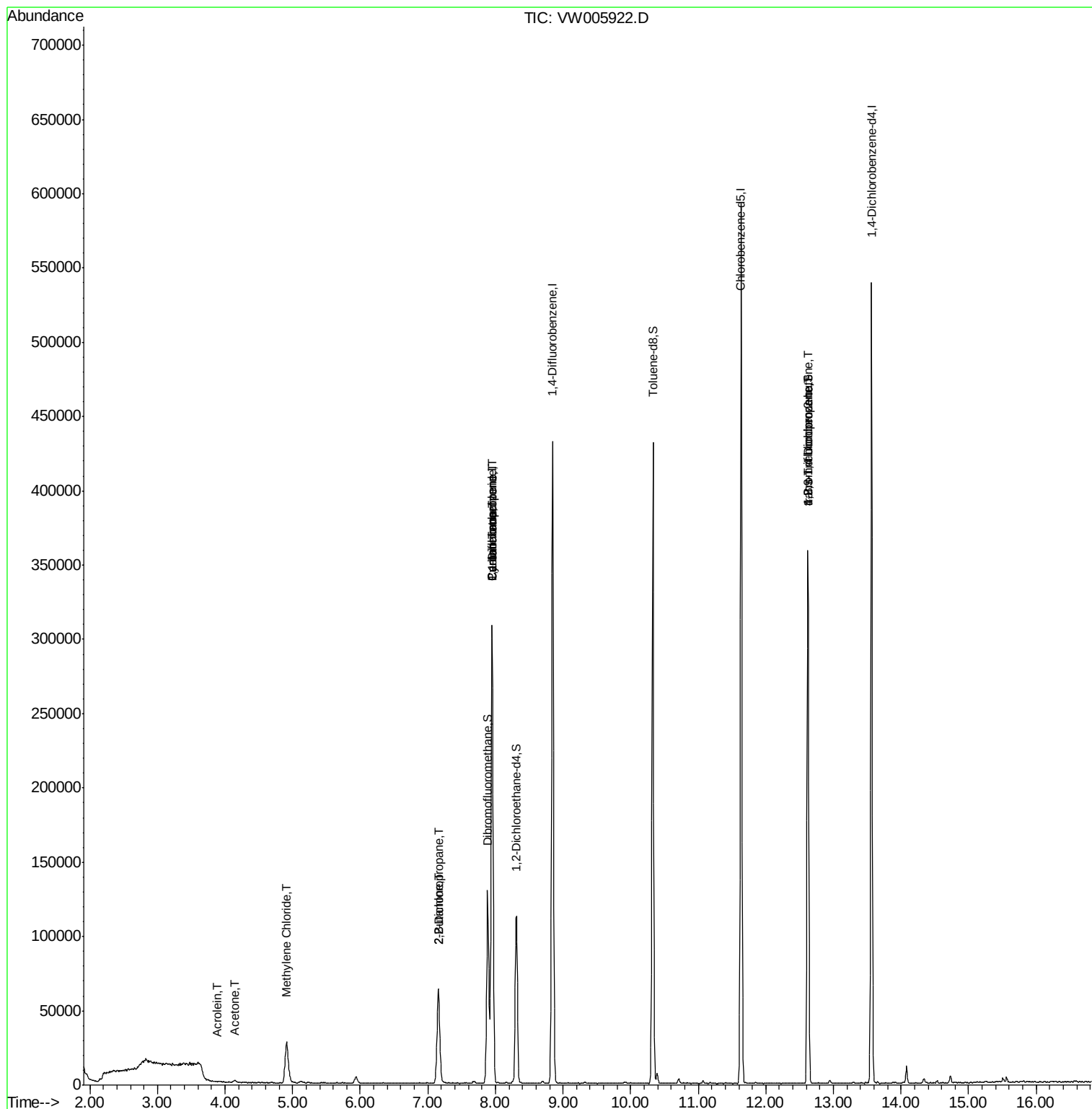
Target Compounds				Qvalue		
13) Acrolein	3.89	56	237	1.496	ug/l #	50
16) Acetone	4.14	43	3229	6.664	ug/l	96
20) Methylene Chloride	4.91	84	23376	9.629	ug/l	93
25) 2-Butanone	7.16	43	3255	4.723	ug/l #	66
26) 2,2-Dichloropropane	7.15	77	4649	1.539	ug/l #	52
31) Cyclohexane	7.95	56	5086	1.198	ug/l #	10
36) 1,1-Dichloropropene	7.95	75	16734	4.535	ug/l #	49
38) Carbon Tetrachloride	7.95	117	22677	5.720	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	55456	42.237	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	55456	89.166	ug/l #	11

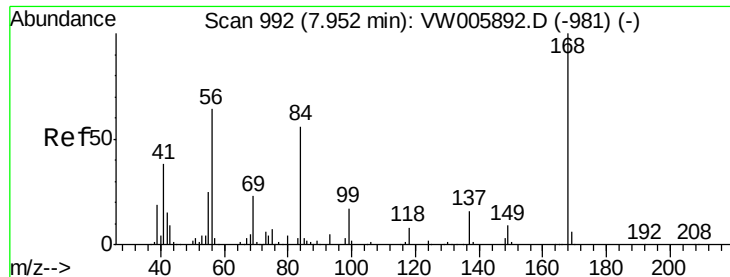
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW005922.D

Acq: 09 Oct 2018 04:55

Instrument :

MSVOA_W

ClientSampled :

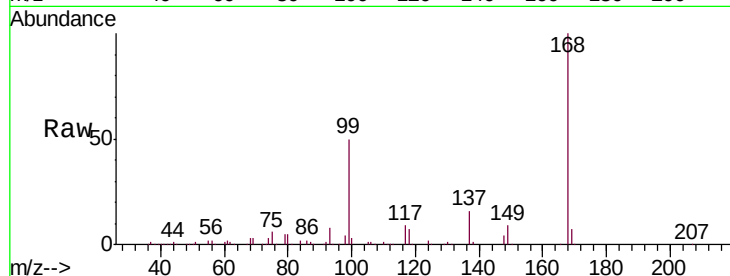
S-16-V

Tgt Ion:168 Resp: 249885

Ion Ratio Lower Upper

168 100

99 50.3 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

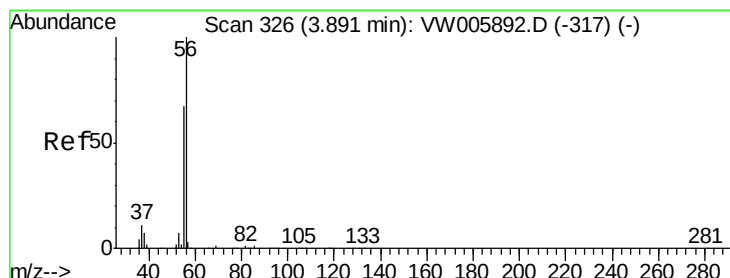
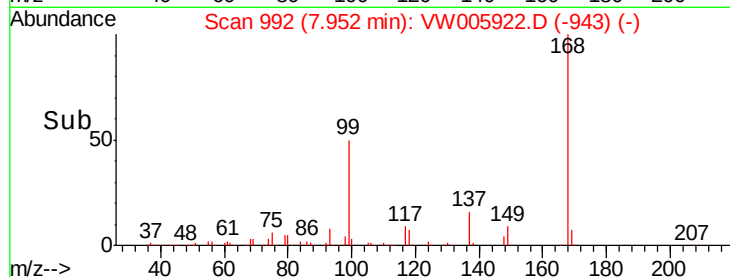
100000

50000

0

7.90 8.00 8.10

Time-->



#13

Acrolein

Concen: 1.496 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW005922.D

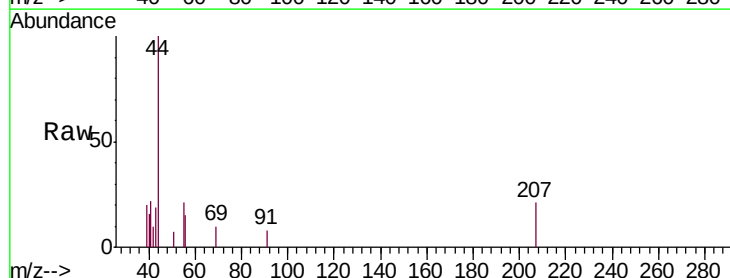
Acq: 09 Oct 2018 04:55

Tgt Ion: 56 Resp: 237

Ion Ratio Lower Upper

56 100

55 27.4 54.6 82.0#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

250

200

150

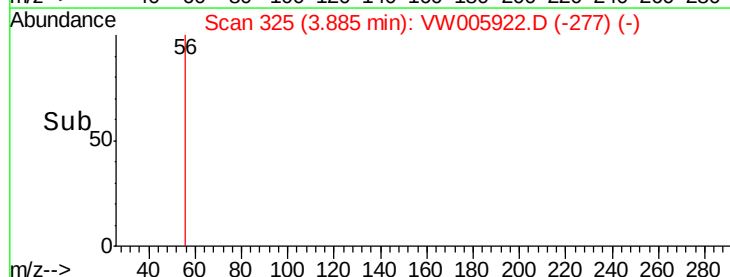
100

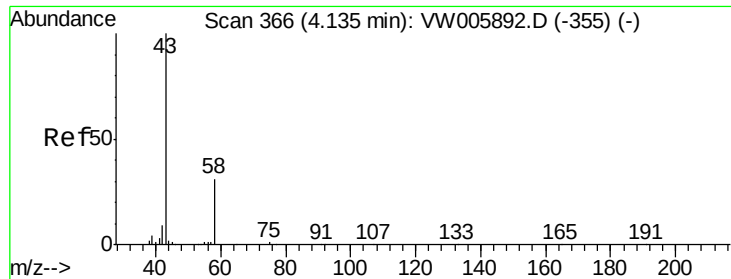
50

0

3.84 3.86 3.88 3.90 3.92

Time-->

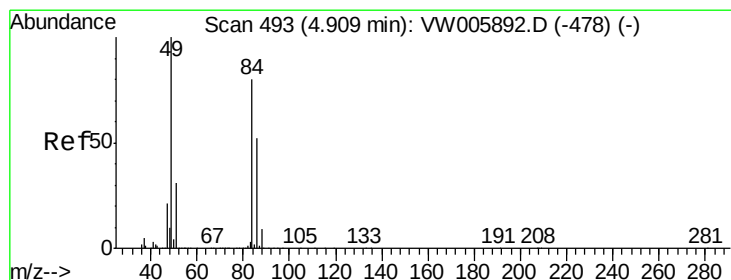
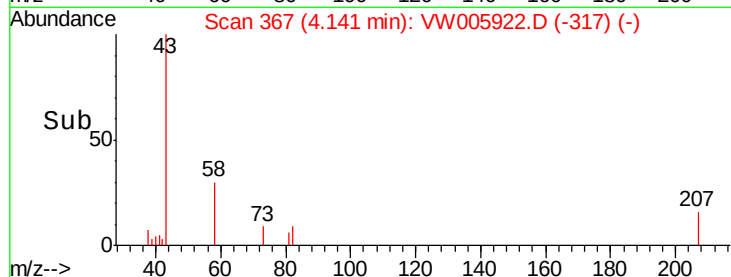
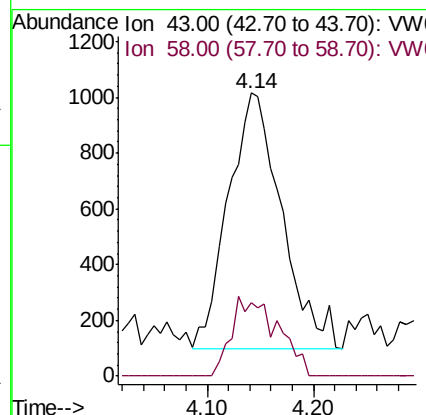
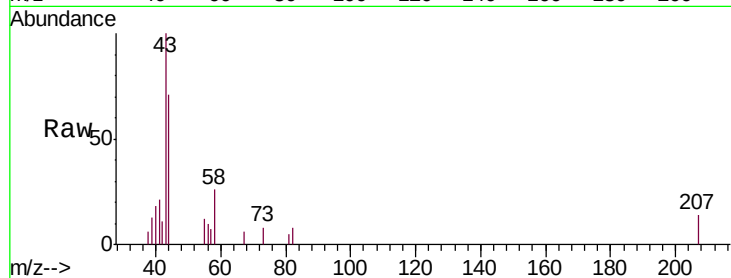




#16
Acetone
Concen: 6.664 ug/l
RT: 4.14 min Scan# 367
Delta R.T. 0.01 min
Lab File: VW005922.D
Acq: 09 Oct 2018 04:55

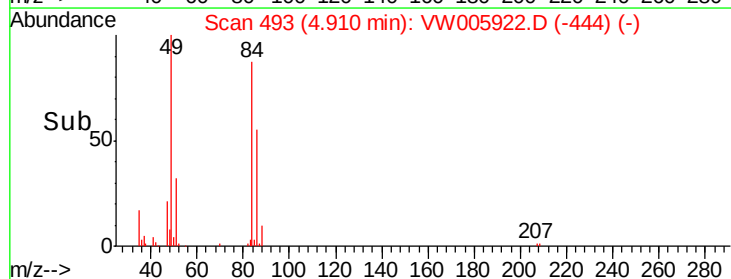
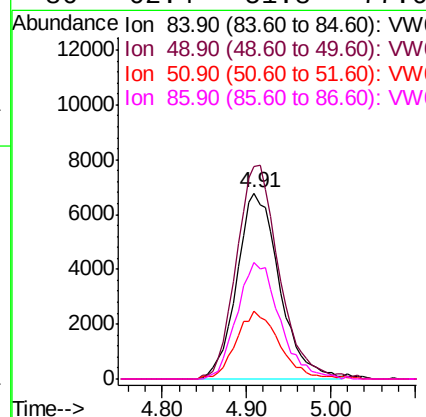
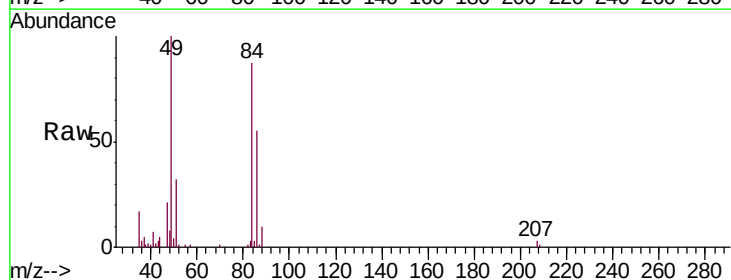
Instrument :
MSVOA_W
ClientSampleId :
S-16-V

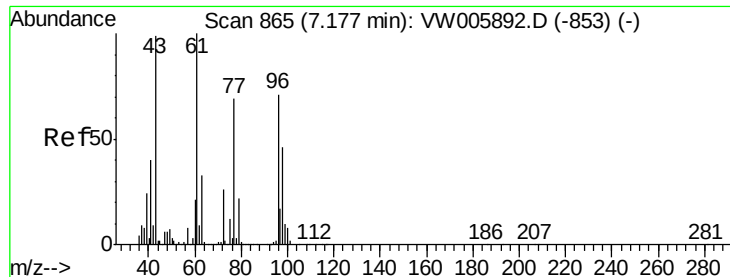
Tgt Ion: 43 Resp: 3229
Ion Ratio Lower Upper
43 100
58 28.5 24.7 37.1



#20
Methylene Chloride
Concen: 9.629 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW005922.D
Acq: 09 Oct 2018 04:55

Tgt Ion: 84 Resp: 23376
Ion Ratio Lower Upper
84 100
49 114.4 99.9 149.9
51 36.2 31.1 46.7
86 62.4 51.8 77.6





#25

2-Butanone

Concen: 4.723 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.02 min

Lab File: VW005922.D

Acq: 09 Oct 2018 04:55

Instrument :

MSVOA_W

ClientSampled :

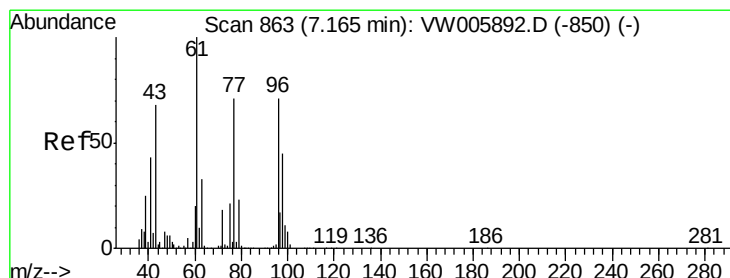
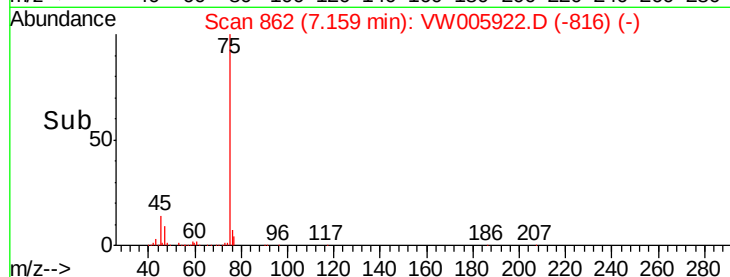
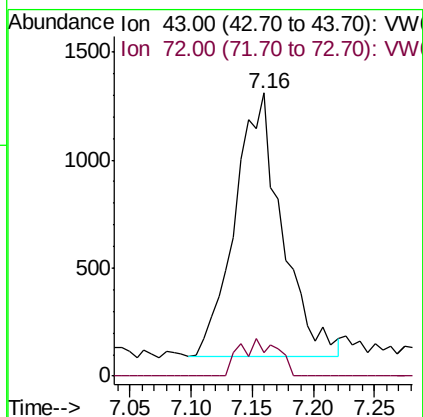
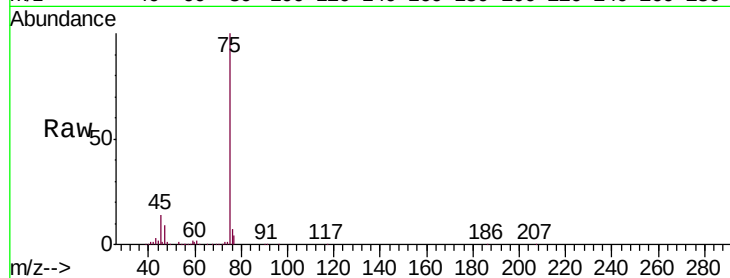
S-16-V

Tgt Ion: 43 Resp: 3255

Ion Ratio Lower Upper

43 100

72 9.0 21.0 31.4#



#26

2,2-Dichloropropane

Concen: 1.539 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: VW005922.D

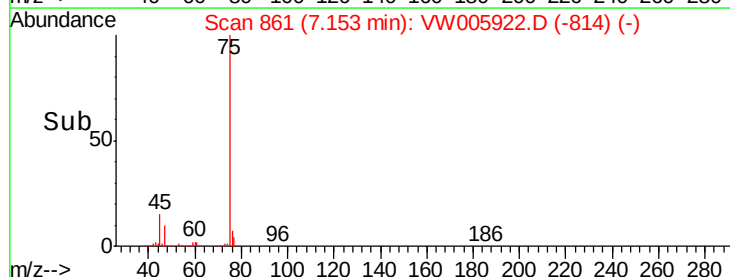
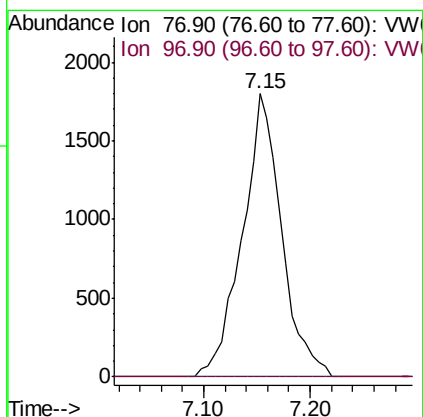
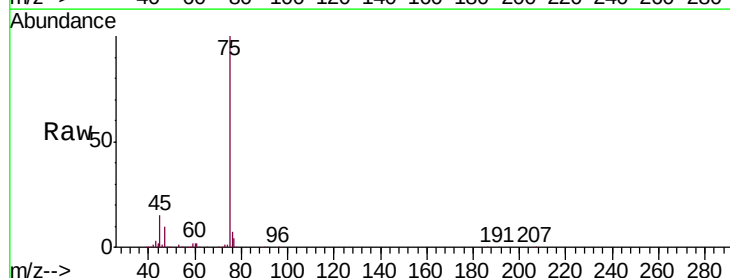
Acq: 09 Oct 2018 04:55

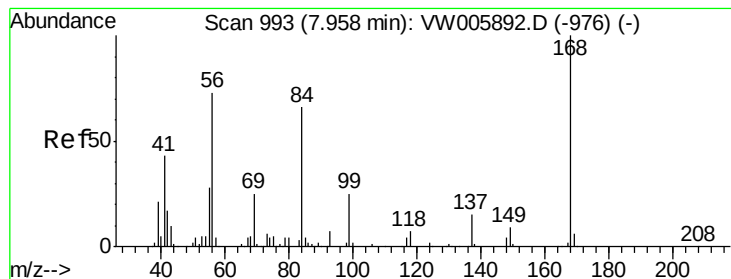
Tgt Ion: 77 Resp: 4649

Ion Ratio Lower Upper

77 100

97 0.0 11.9 35.7#





#31

Cyclohexane

Concen: 1.198 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW005922.D

Acq: 09 Oct 2018 04:55

Instrument :

MSVOA_W

ClientSampled :

S-16-V

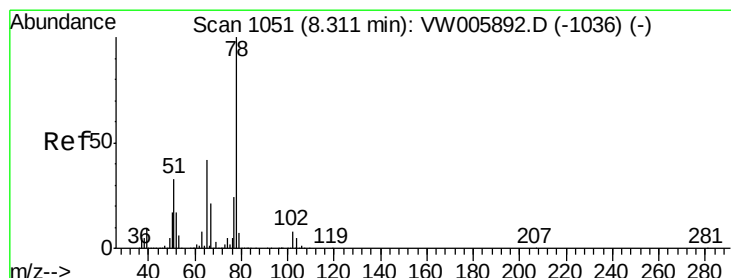
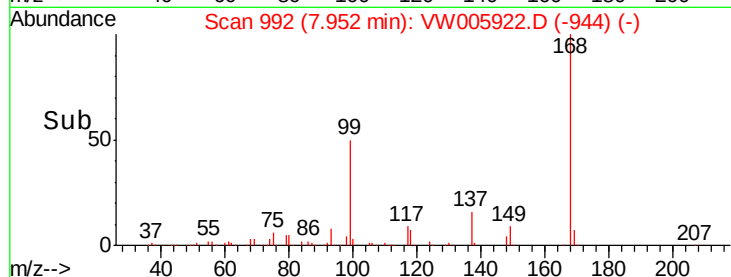
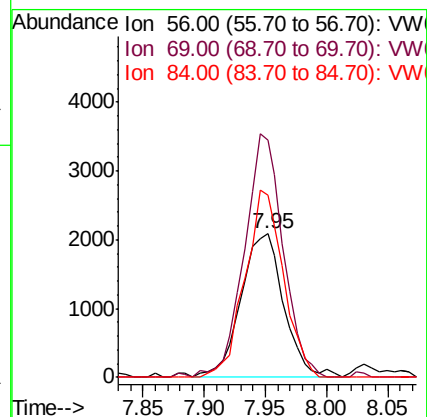
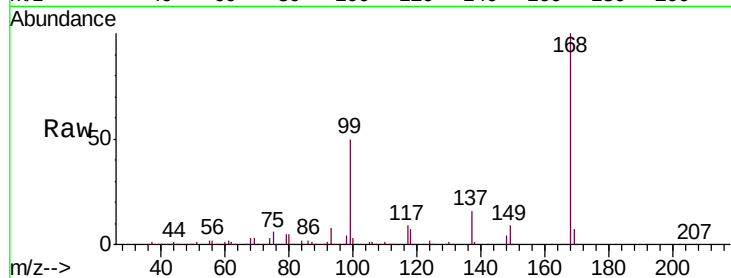
Tgt Ion: 56 Resp: 5086

Ion Ratio Lower Upper

56 100

69 165.1 27.9 41.9#

84 126.4 72.3 108.5#



#33

1,2-Dichloroethane-d4

Concen: 36.971 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW005922.D

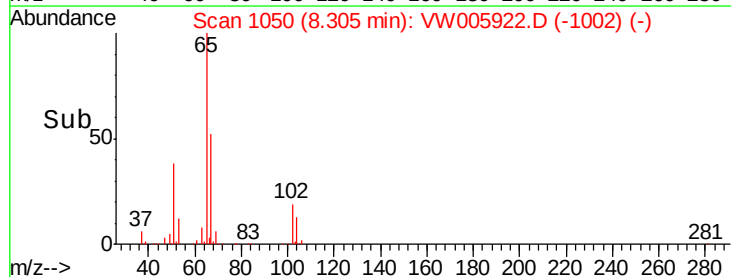
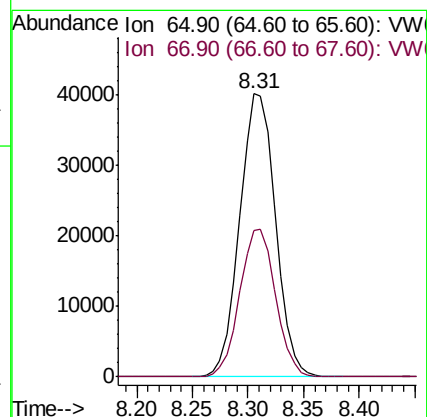
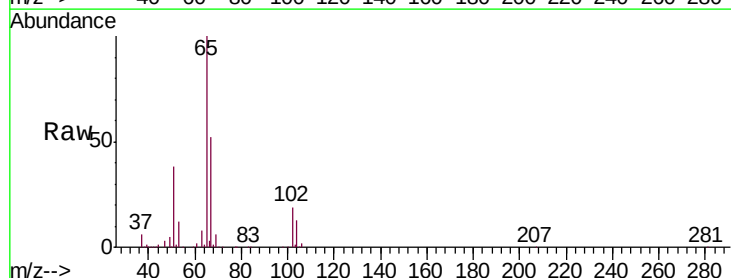
Acq: 09 Oct 2018 04:55

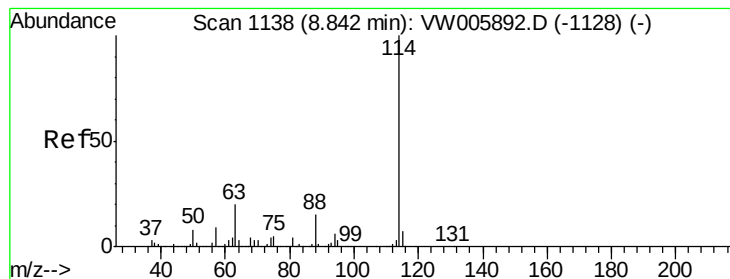
Tgt Ion: 65 Resp: 89684

Ion Ratio Lower Upper

65 100

67 52.4 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: VW005922.D

Acq: 09 Oct 2018 04:55

Instrument :

MSVOA_W

ClientSampled :

S-16-V

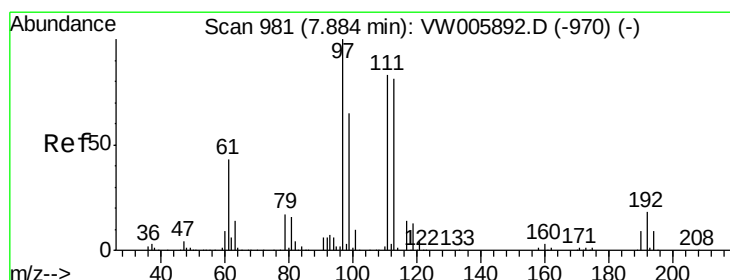
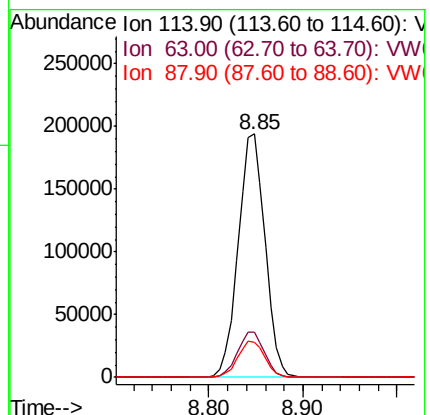
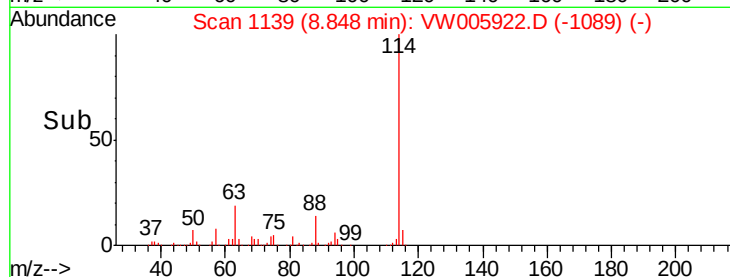
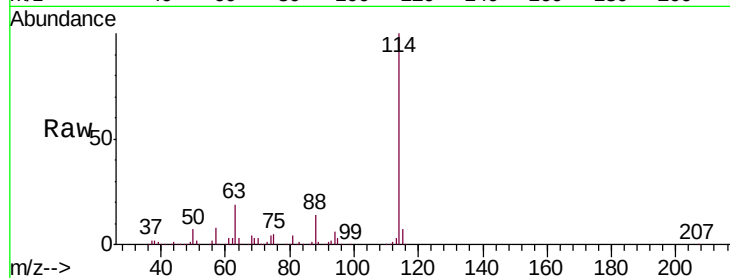
Tgt Ion:114 Resp: 385101

Ion Ratio Lower Upper

114 100

63 18.7 0.0 39.2

88 14.4 0.0 30.8



#35

Dibromofluoromethane

Concen: 36.817 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW005922.D

Acq: 09 Oct 2018 04:55

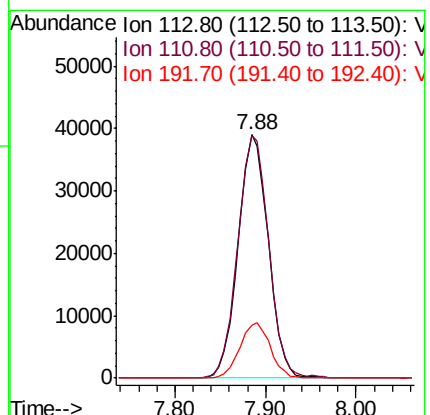
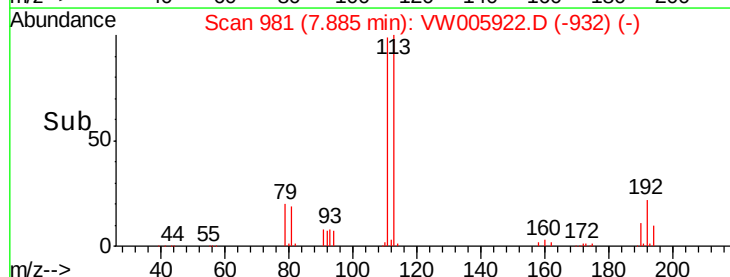
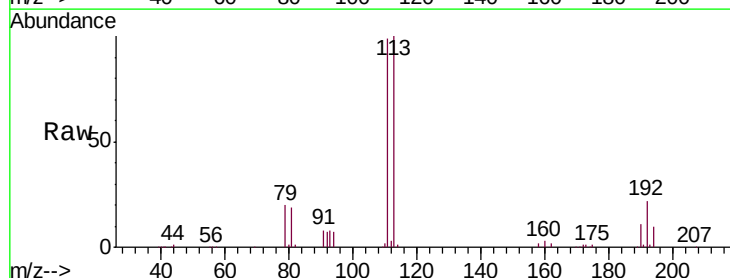
Tgt Ion:113 Resp: 90521

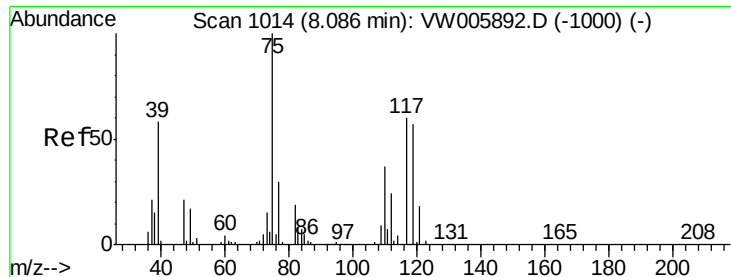
Ion Ratio Lower Upper

113 100

111 102.2 82.0 123.0

192 22.7 18.3 27.5

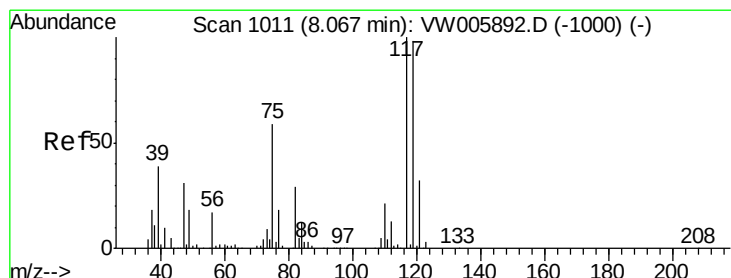
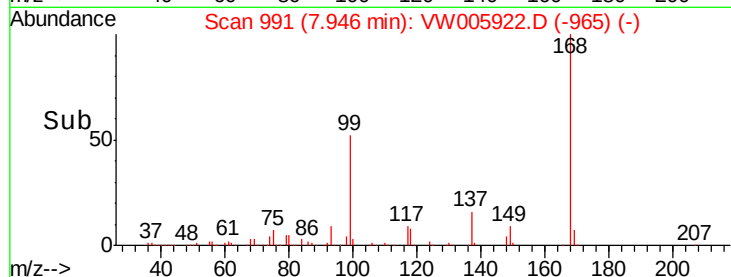
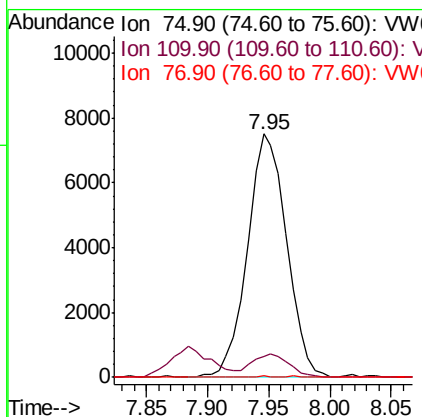
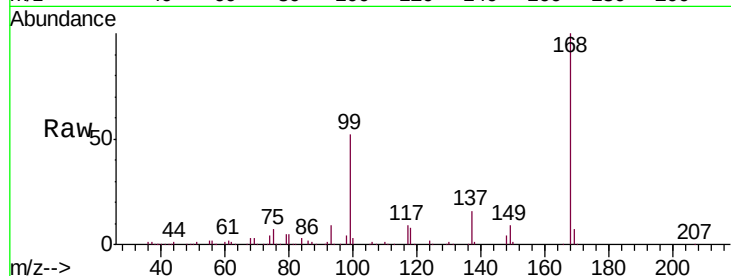




#36
 1,1-Dichloropropene
 Concen: 4.535 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW005922.D
 Acq: 09 Oct 2018 04:55

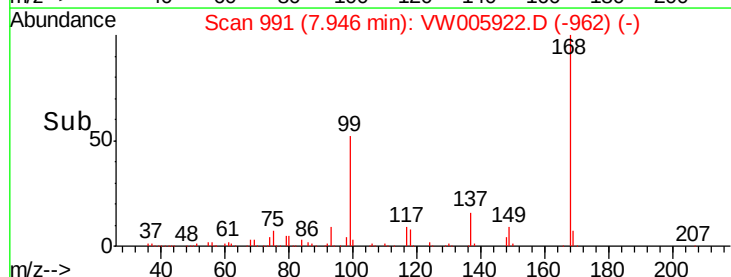
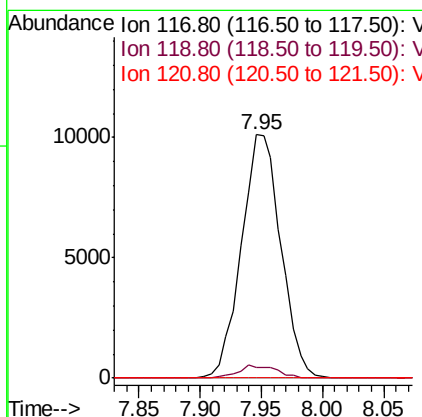
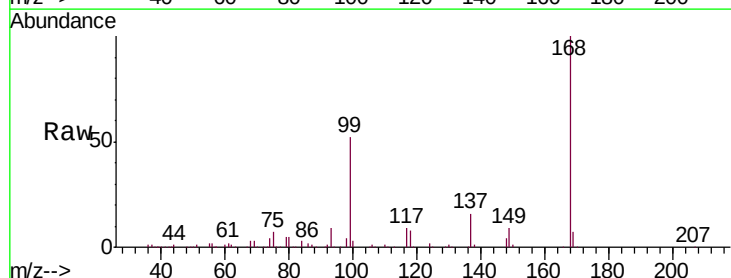
Instrument :
 MSVOA_W
 ClientSampleId :
 S-16-V

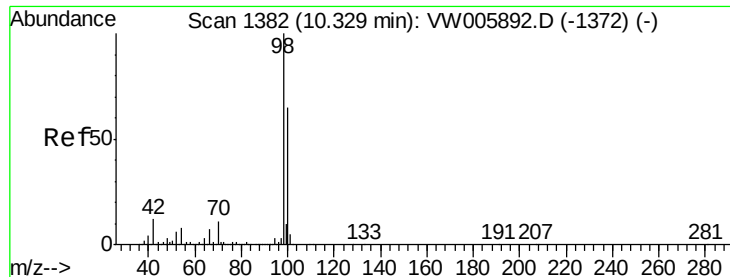
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	18.6	56.0#
77	0.1	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 5.720 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW005922.D
 Acq: 09 Oct 2018 04:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.6	78.6	117.8#
121	0.0	25.3	37.9#





#50

Toluene-d8

Concen: 31.131 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW005922.D

Acq: 09 Oct 2018 04:55

Instrument :

MSVOA_W

ClientSampleId :

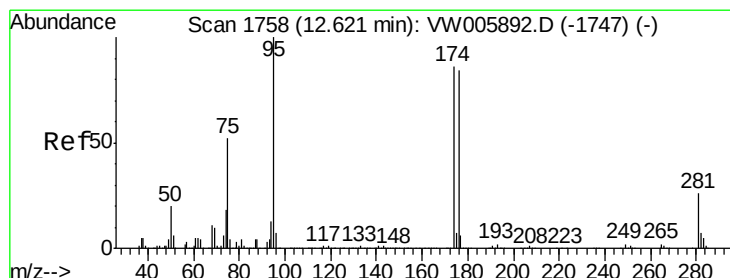
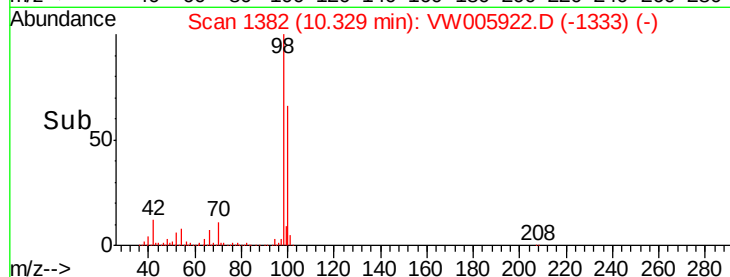
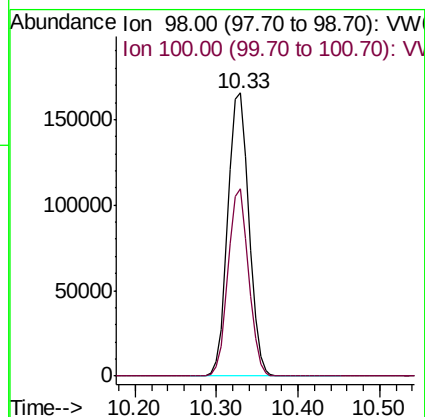
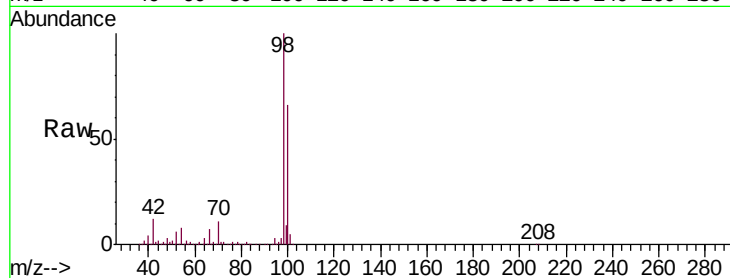
S-16-V

Tgt Ion: 98 Resp: 294492

Ion Ratio Lower Upper

98 100

100 64.2 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 29.333 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW005922.D

Acq: 09 Oct 2018 04:55

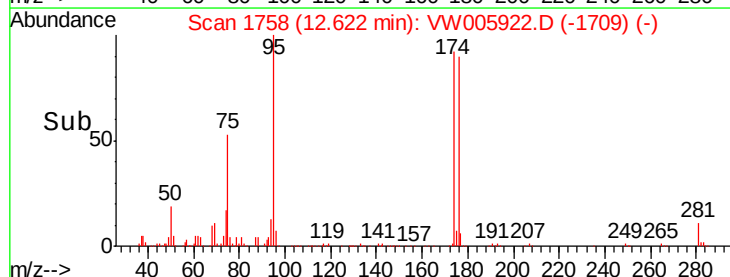
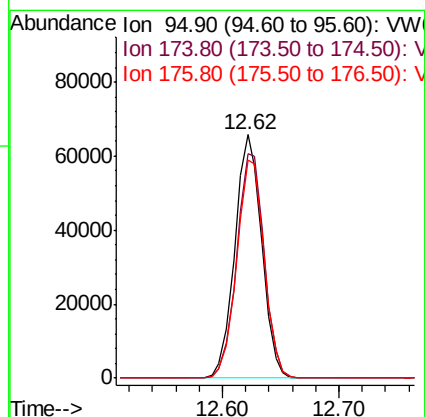
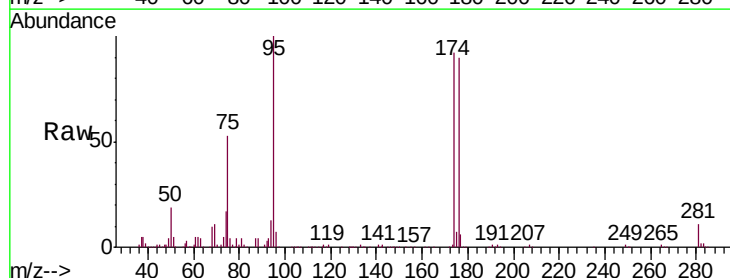
Tgt Ion: 95 Resp: 105572

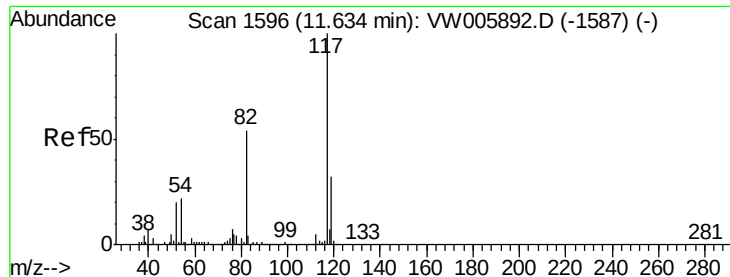
Ion Ratio Lower Upper

95 100

174 94.2 0.0 176.4

176 91.6 0.0 173.0

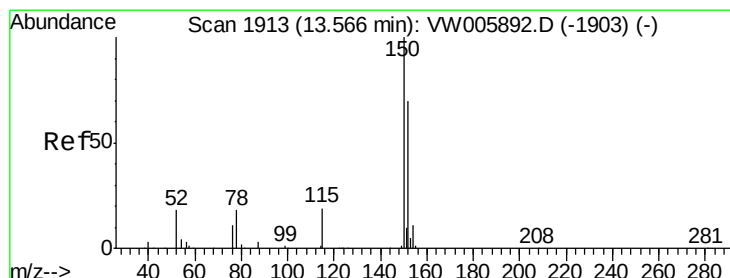
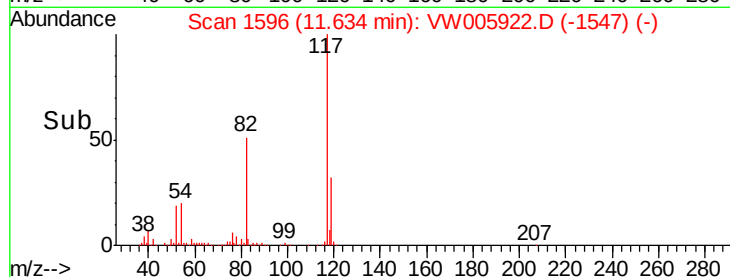
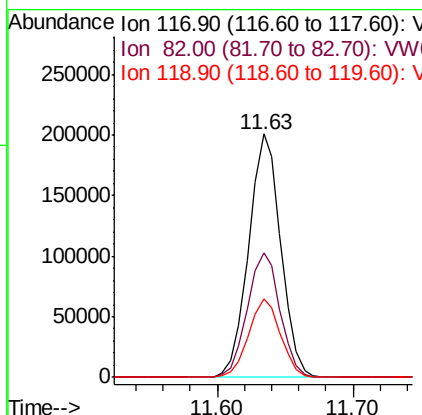
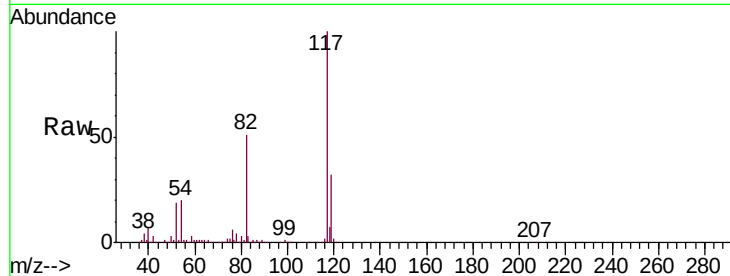




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW005922.D
Acq: 09 Oct 2018 04:55

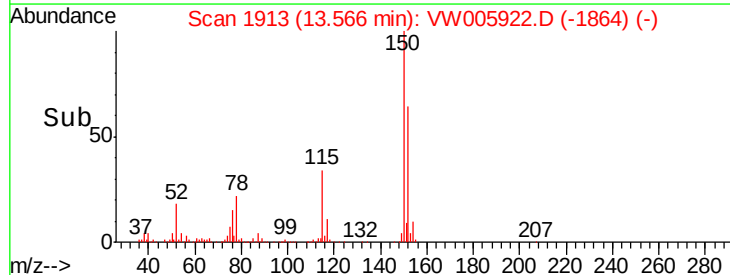
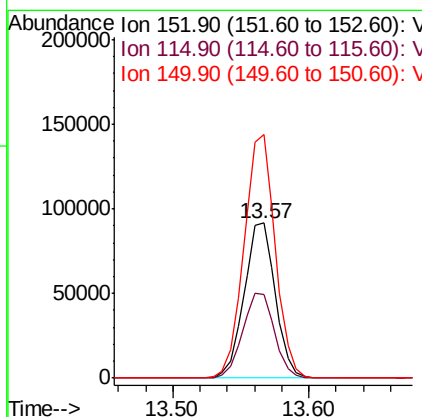
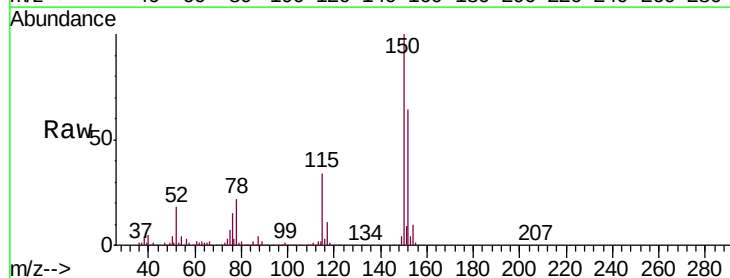
Instrument :
MSVOA_W
ClientSampled :
S-16-V

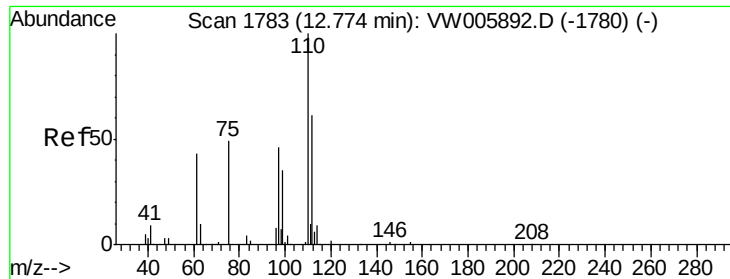
Tgt Ion:117 Resp: 331970
Ion Ratio Lower Upper
117 100
82 51.4 43.5 65.3
119 32.4 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW005922.D
Acq: 09 Oct 2018 04:55

Tgt Ion:152 Resp: 146986
Ion Ratio Lower Upper
152 100
115 55.8 28.3 85.0
150 156.0 0.0 349.2

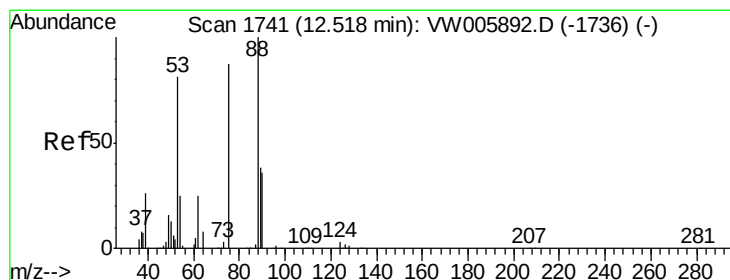
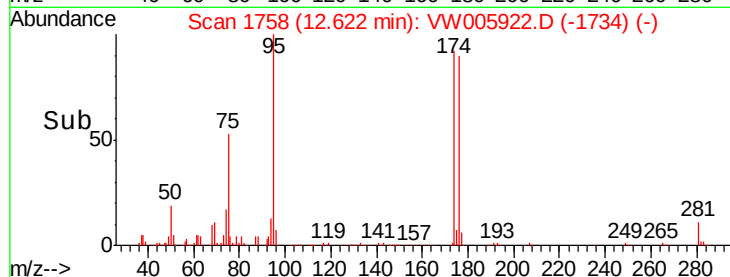
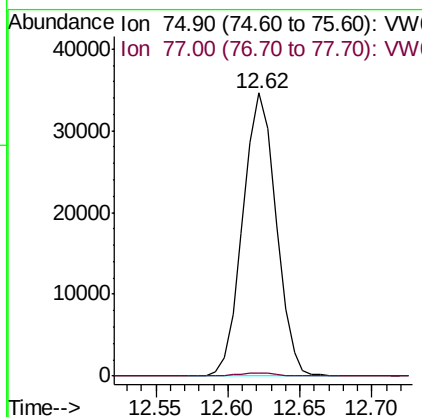
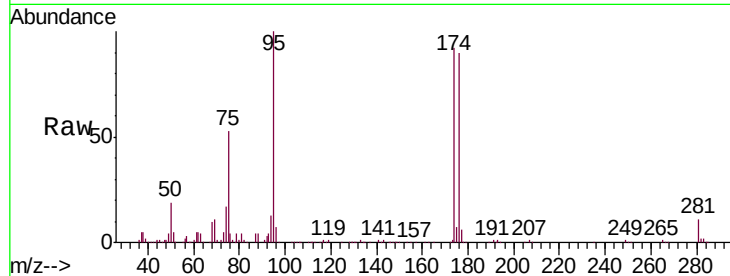




#76
 1,2,3-Trichloropropane
 Concen: 42.237 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW005922.D
 Acq: 09 Oct 2018 04:55

Instrument :
 MSVOA_W
 ClientSampleId :
 S-16-V

Tgt Ion: 75 Resp: 55456
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.166 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW005922.D
 Acq: 09 Oct 2018 04:55

Tgt Ion: 75 Resp: 55456
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.5 114.7#
 89 0.1 37.6 56.4#

