

Data File : VW005918.D
Acq On : 09 Oct 2018 03:11
Operator : SY/AP
Sample : J5306-02
Misc : 5.10G/5ML/MSVOA_W/SOIL
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
S-21-V

Quant Time: Oct 09 06:16:58 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	259472	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	382754	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	327155	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	147631	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	80795	32.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	64.16%	
35) Dibromofluoromethane	7.88	113	82691	33.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	67.68%	
50) Toluene-d8	10.33	98	266610	28.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	56.72%	
62) 4-Bromofluorobenzene	12.62	95	96987	27.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	54.22%	

Target Compounds

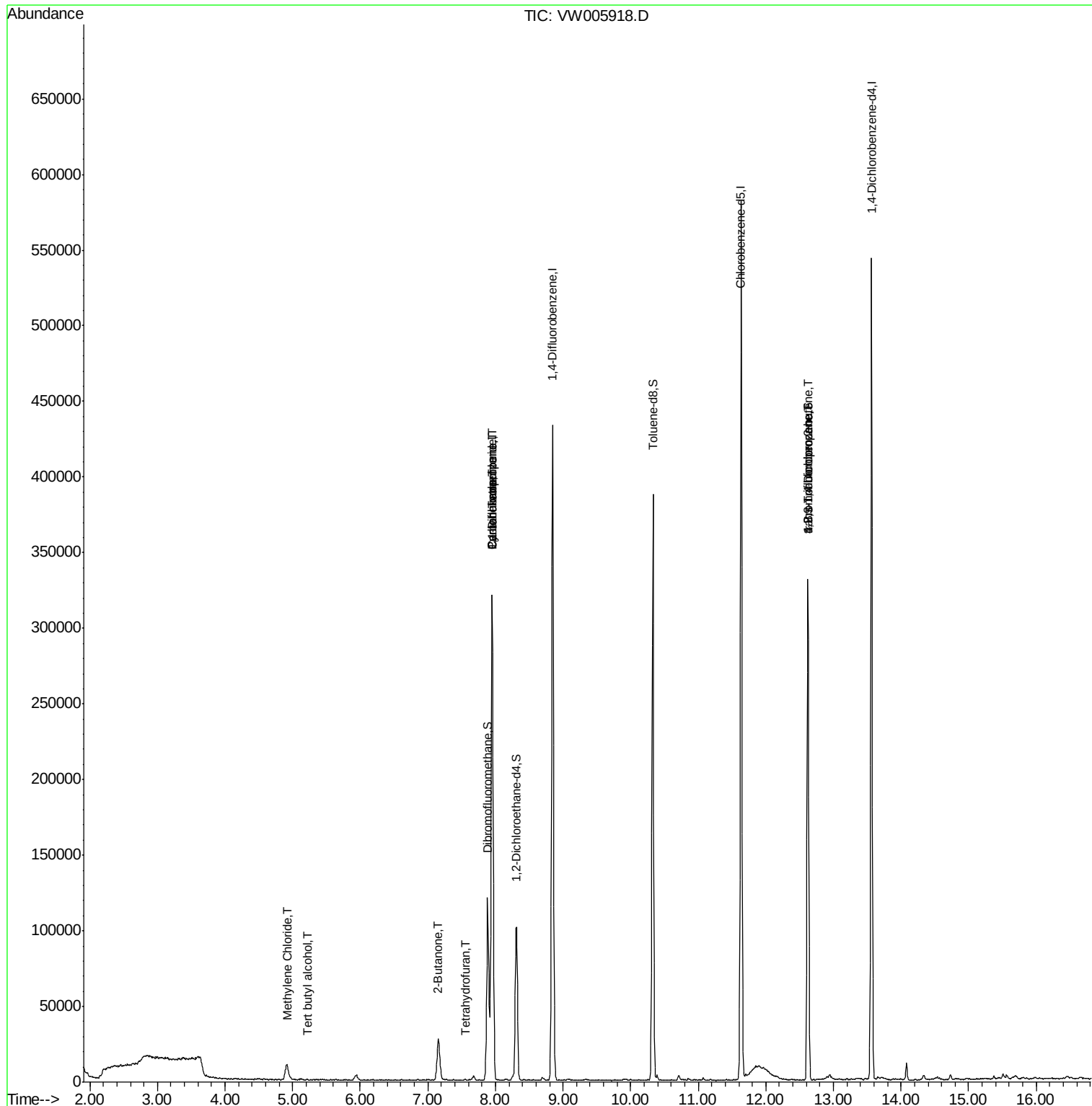
						Qvalue
11) Tert butyl alcohol	5.23	59	296	1.603	ug/l #	34
20) Methylene Chloride	4.91	84	8590	3.408	ug/l	86
25) 2-Butanone	7.15	43	1596	2.230	ug/l	90
29) Tetrahydrofuran	7.56	42	574	1.269	ug/l #	40
31) Cyclohexane	7.95	56	5327	1.208	ug/l #	9
36) 1,1-Dichloropropene	7.95	75	16626	4.533	ug/l #	50
38) Carbon Tetrachloride	7.95	117	23016	5.841	ug/l #	14
76) 1,2,3-Trichloropropane	12.62	75	49373	37.439	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	49373	79.038	ug/l #	11

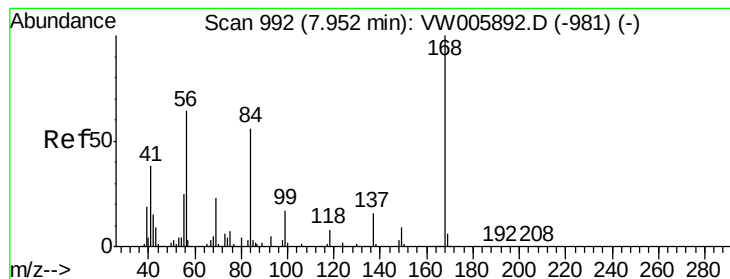
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

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Instrument :

MSVOA_W

ClientSampleId :

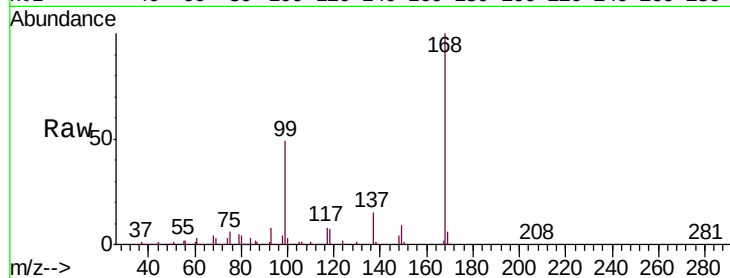
S-21-V

Tgt Ion:168 Resp: 259472

Ion Ratio Lower Upper

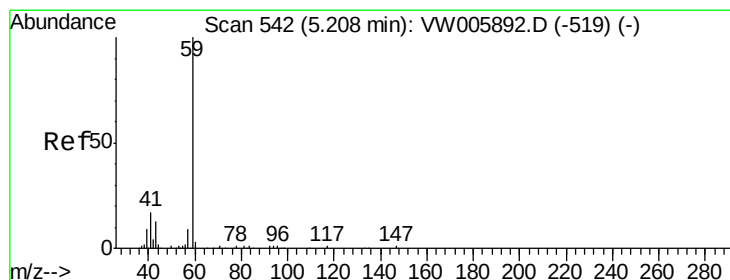
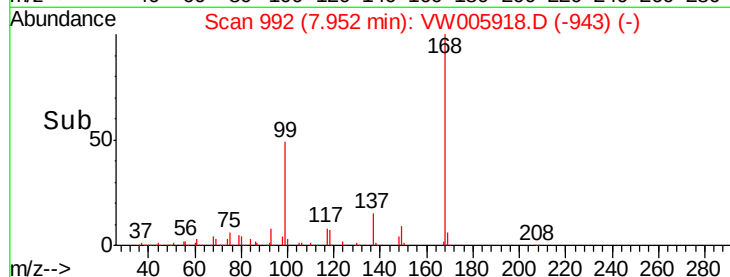
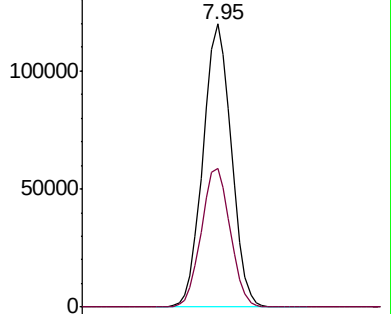
168 100

99 48.8 40.9 61.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 1.603 ug/l

RT: 5.23 min Scan# 545

Delta R.T. 0.02 min

Lab File: VW005918.D

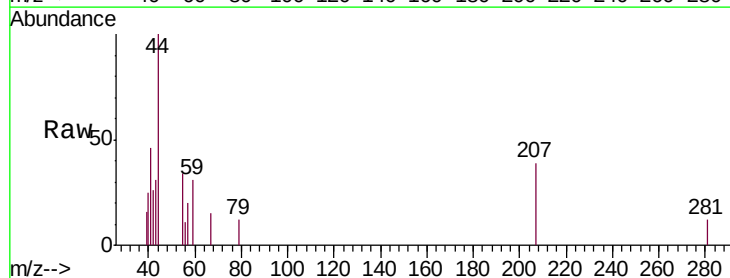
Acq: 09 Oct 2018 03:11

Tgt Ion: 59 Resp: 296

Ion Ratio Lower Upper

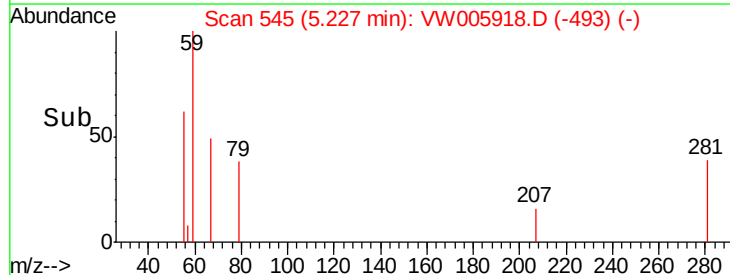
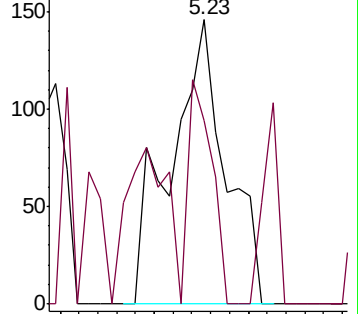
59 100

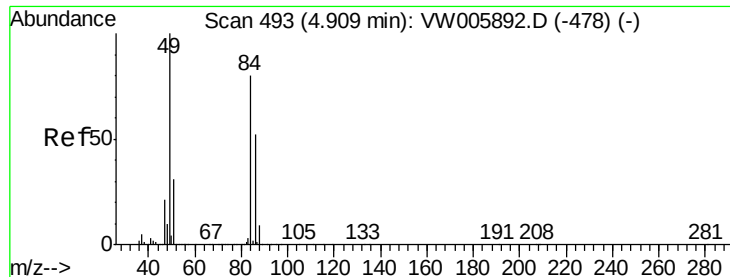
57 33.8 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

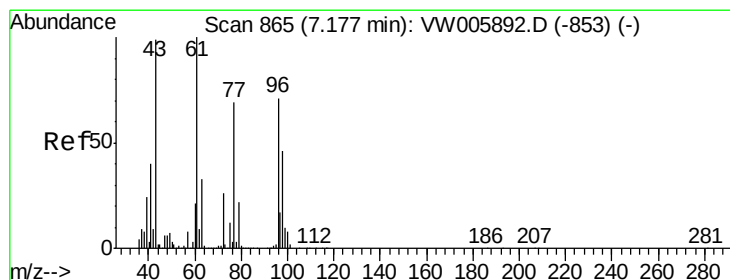
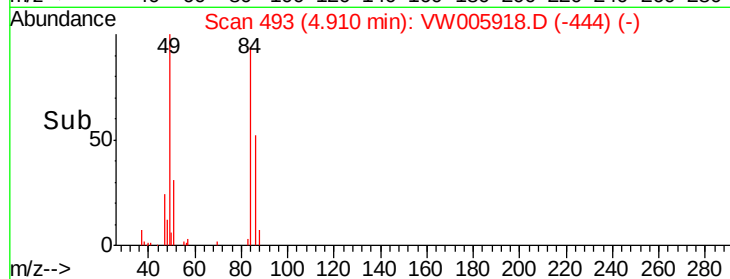
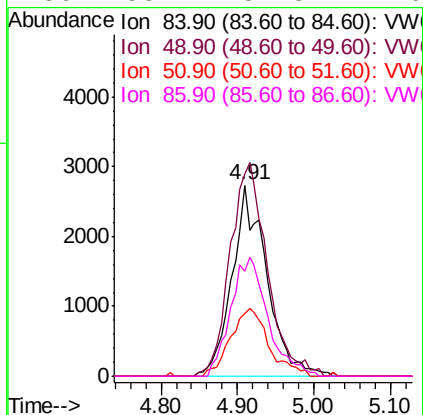
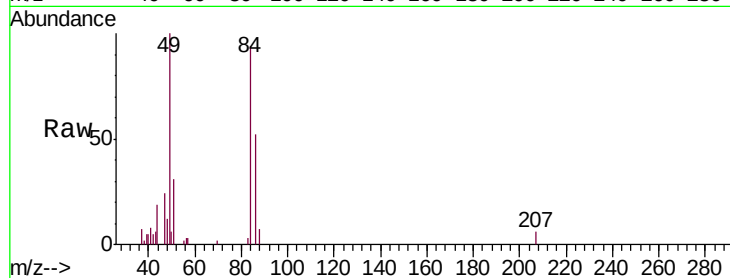




#20
Methylene Chloride
Concen: 3.408 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW005918.D
Acq: 09 Oct 2018 03:11

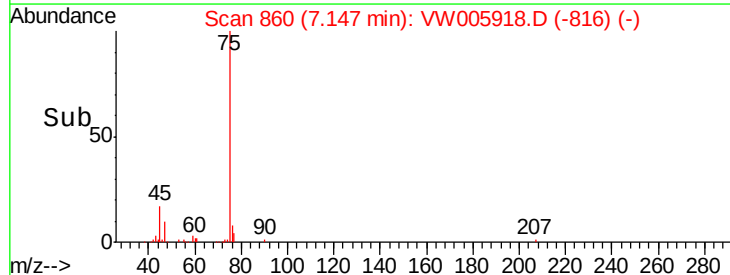
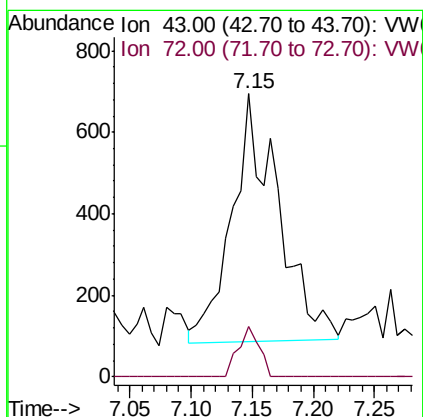
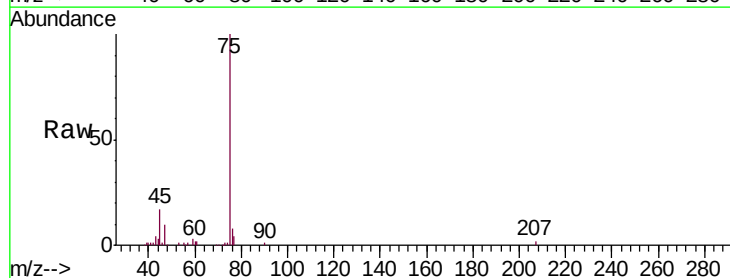
Instrument :
MSVOA_W
ClientSampled :
S-21-V

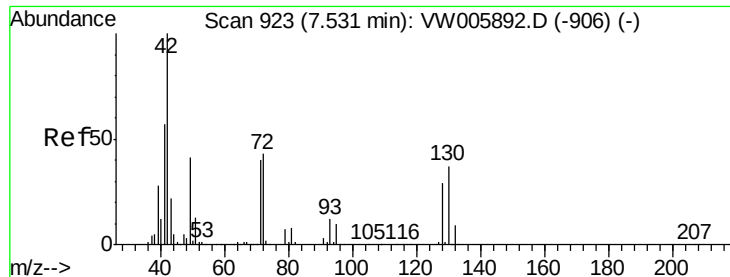
Tgt Ion:	84	Resp:	8590
Ion	Ratio	Lower	Upper
84	100		
49	105.8	99.9	149.9
51	33.0	31.1	46.7
86	55.1	51.8	77.6



#25
2-Butanone
Concen: 2.230 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.03 min
Lab File: VW005918.D
Acq: 09 Oct 2018 03:11

Tgt Ion:	43	Resp:	1596
Ion	Ratio	Lower	Upper
43	100		
72	21.0	21.0	31.4

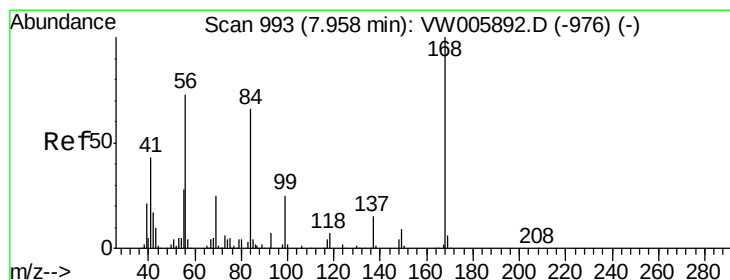
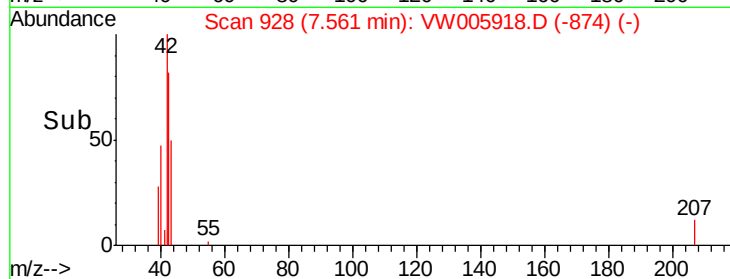
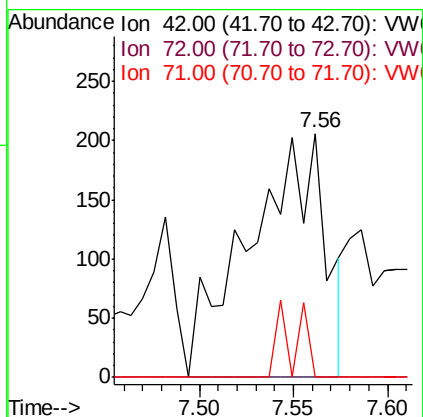
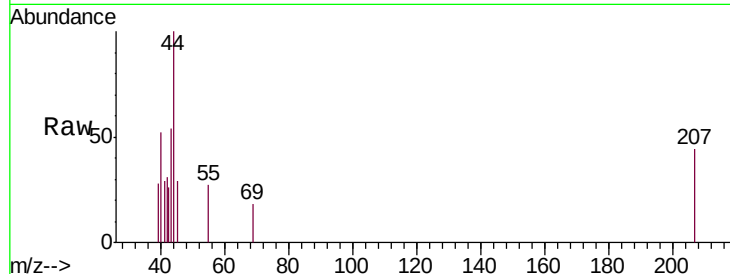




#29
Tetrahydrofuran
Concen: 1.269 ug/l
RT: 7.56 min Scan# 928
Delta R.T. 0.03 min
Lab File: VW005918.D
Acq: 09 Oct 2018 03:11

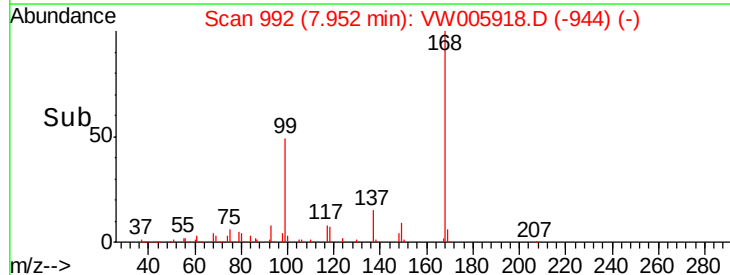
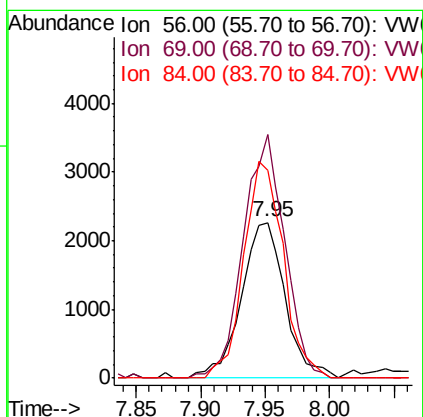
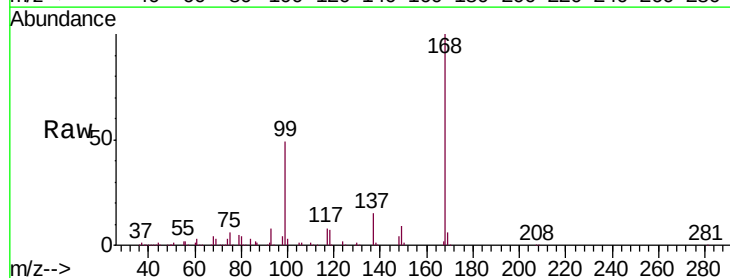
Instrument :
MSVOA_W
ClientSampled :
S-21-V

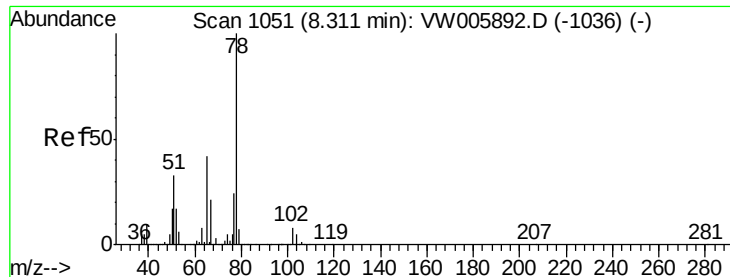
Tgt Ion: 42 Resp: 574
Ion Ratio Lower Upper
42 100
72 0.0 34.6 51.8#
71 8.2 32.6 49.0#



#31
Cyclohexane
Concen: 1.208 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW005918.D
Acq: 09 Oct 2018 03:11

Tgt Ion: 56 Resp: 5327
Ion Ratio Lower Upper
56 100
69 156.4 27.9 41.9#
84 133.4 72.3 108.5#

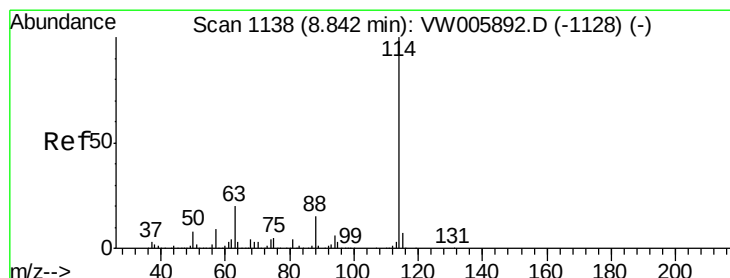
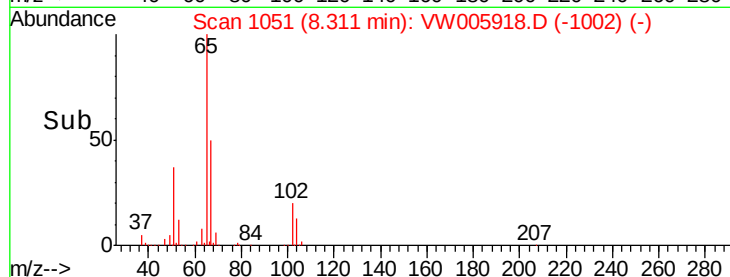
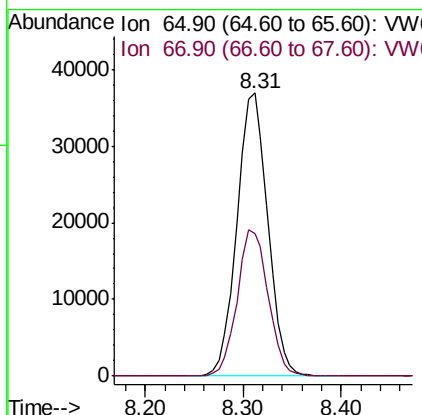
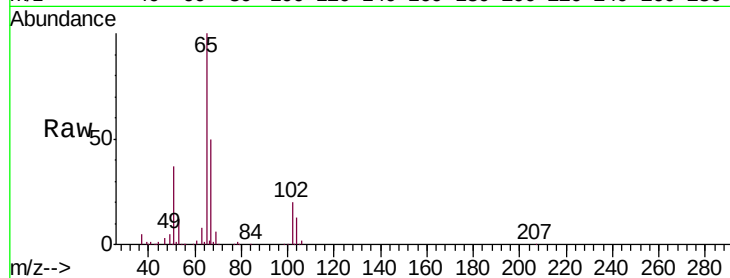




#33
 1,2-Dichloroethane-d4
 Concen: 32.076 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW005918.D
 Acq: 09 Oct 2018 03:11

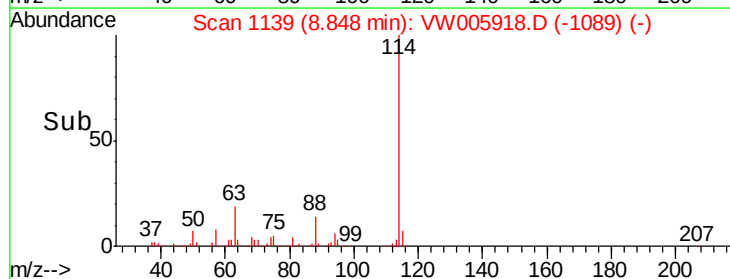
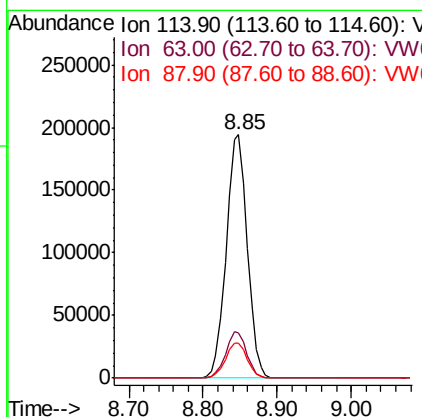
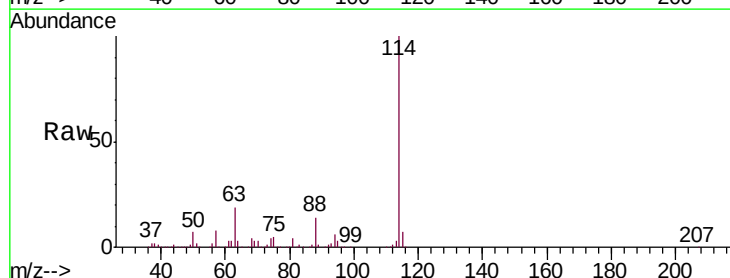
Instrument :
 MSVOA_W
 ClientSampleId :
 S-21-V

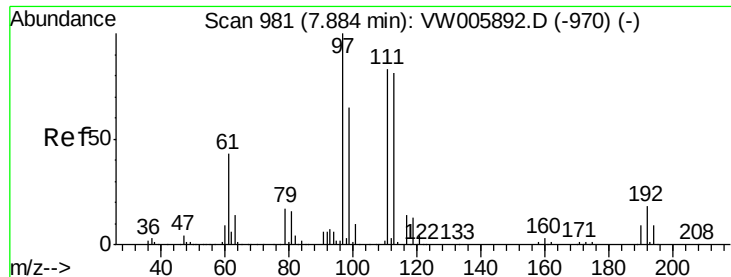
Tgt Ion: 65 Resp: 80795
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VW005918.D
 Acq: 09 Oct 2018 03:11

Tgt Ion: 114 Resp: 382754
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 39.2
 88 14.4 0.0 30.8

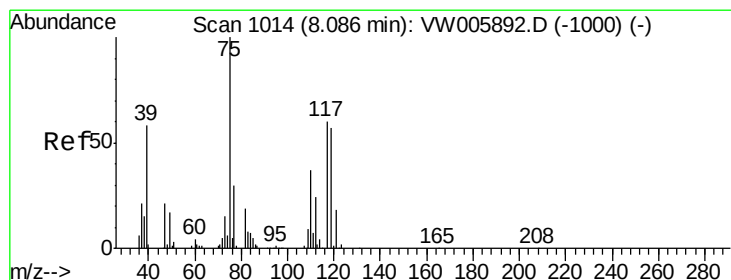
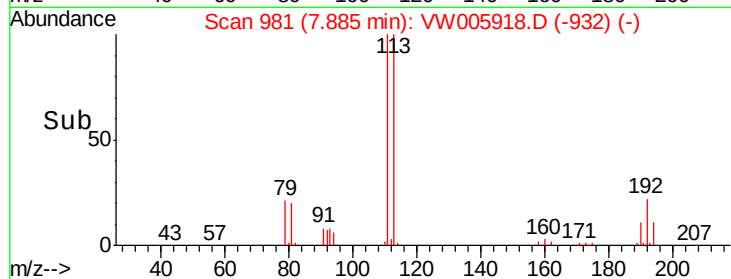
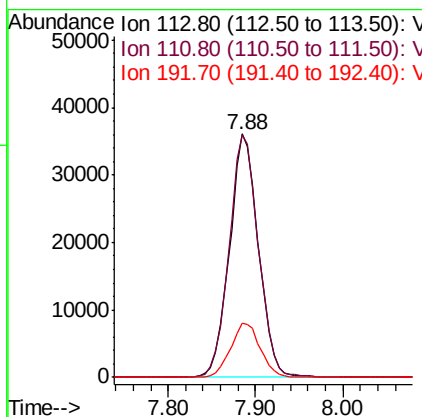
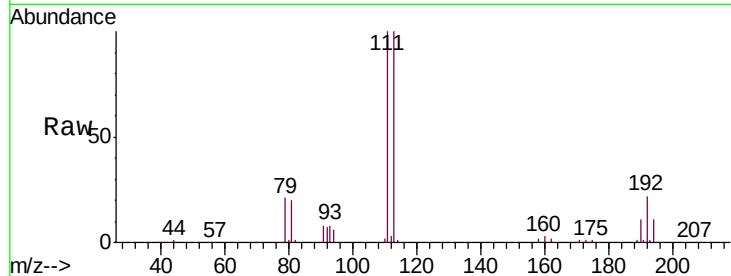




#35
 Dibromofluoromethane
 Concen: 33.838 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW005918.D
 Acq: 09 Oct 2018 03:11

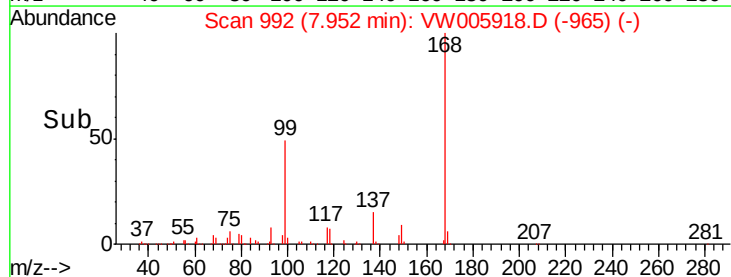
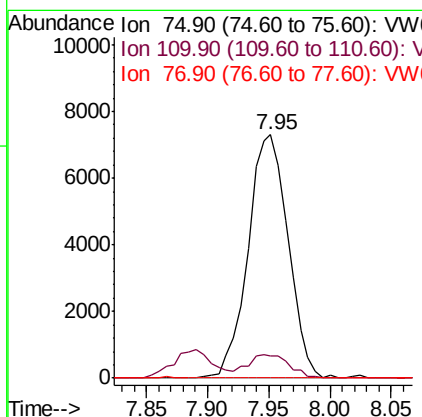
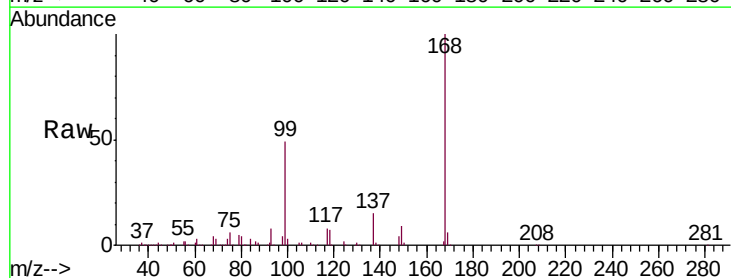
Instrument :
 MSVOA_W
 ClientSampleId :
 S-21-V

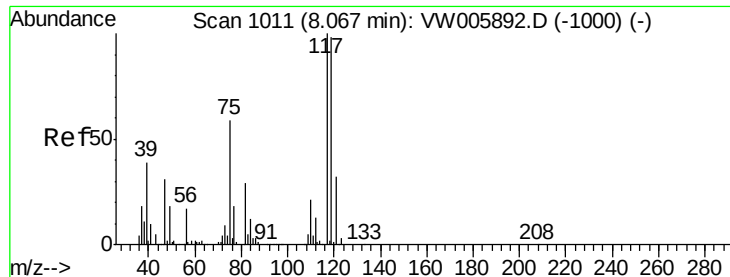
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.2	82.0	123.0
192	22.7	18.3	27.5



#36
 1,1-Dichloropropene
 Concen: 4.533 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW005918.D
 Acq: 09 Oct 2018 03:11

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.0	18.6	56.0#
77	0.0	24.7	37.1#





#38

Carbon Tetrachloride

Concen: 5.841 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW005918.D

Acq: 09 Oct 2018 03:11

Instrument :

MSVOA_W

ClientSampled :

S-21-V

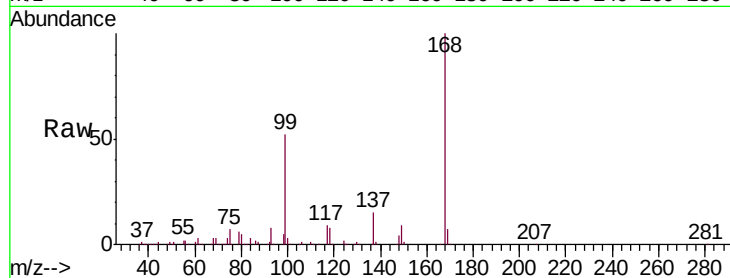
Tgt Ion:117 Resp: 23016

Ion Ratio Lower Upper

117 100

119 4.2 78.6 117.8#

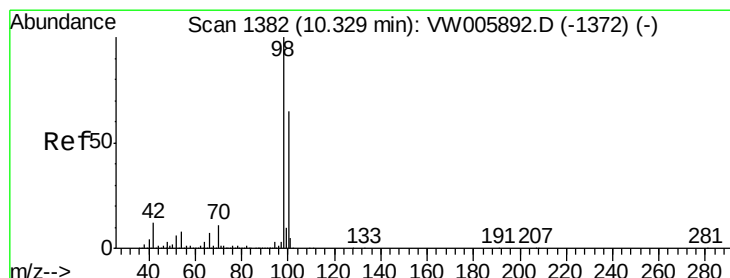
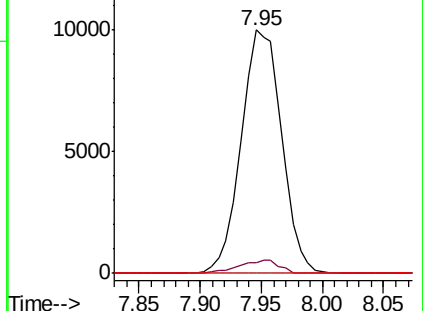
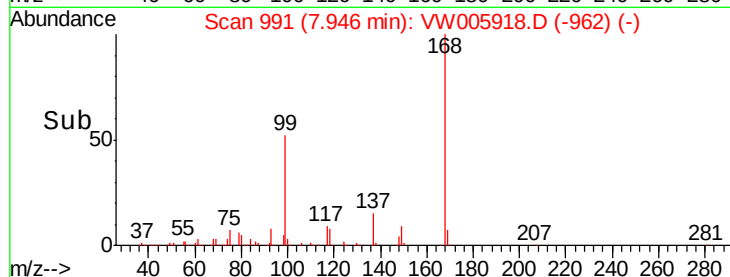
121 0.0 25.3 37.9#



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: 28.357 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW005918.D

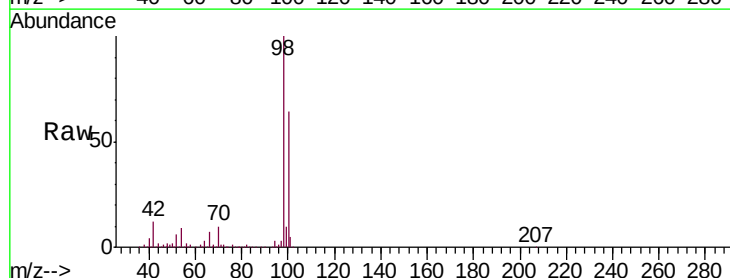
Acq: 09 Oct 2018 03:11

Tgt Ion: 98 Resp: 266610

Ion Ratio Lower Upper

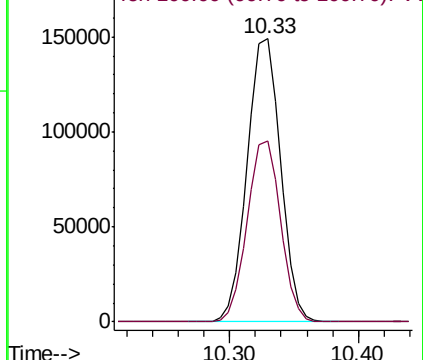
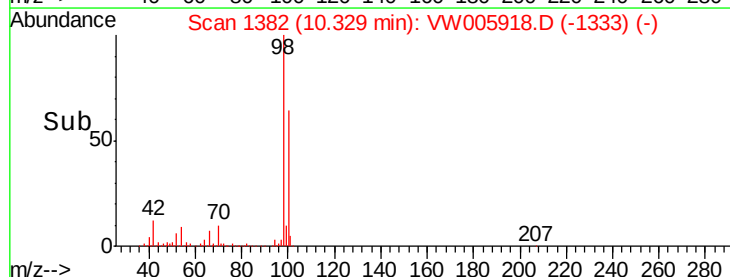
98 100

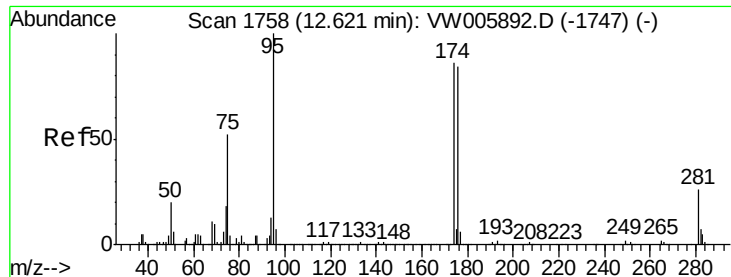
100 63.9 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 27.113 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW005918.D

Acq: 09 Oct 2018 03:11

Instrument :

MSVOA_W

ClientSampled :

S-21-V

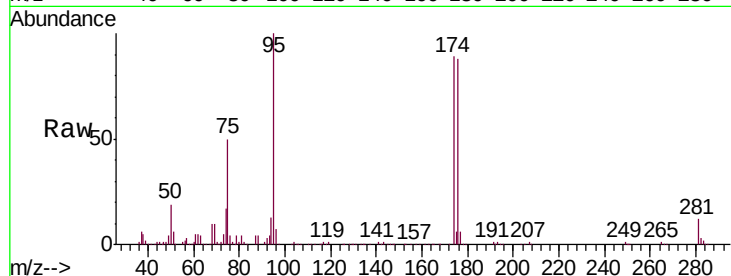
Tgt Ion: 95 Resp: 96987

Ion Ratio Lower Upper

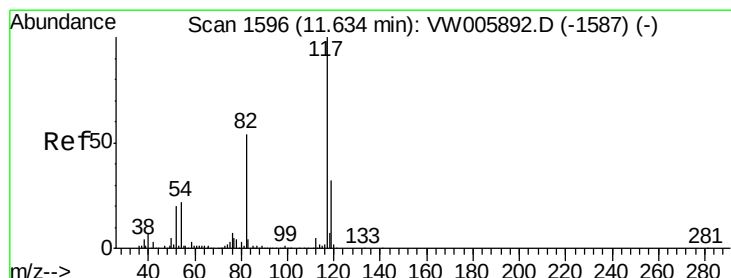
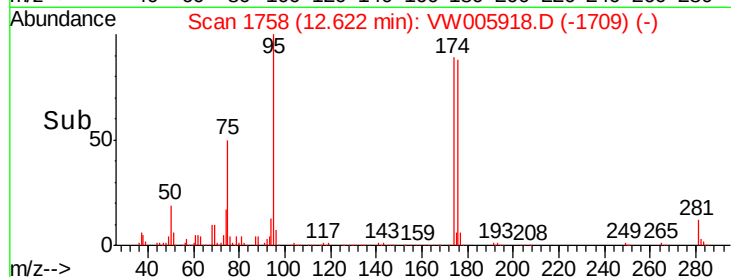
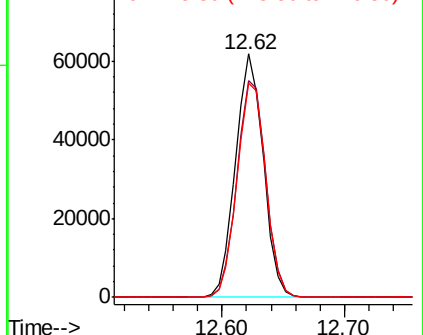
95 100

174 92.4 0.0 176.4

176 90.9 0.0 173.0



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: VW005918.D

Acq: 09 Oct 2018 03:11

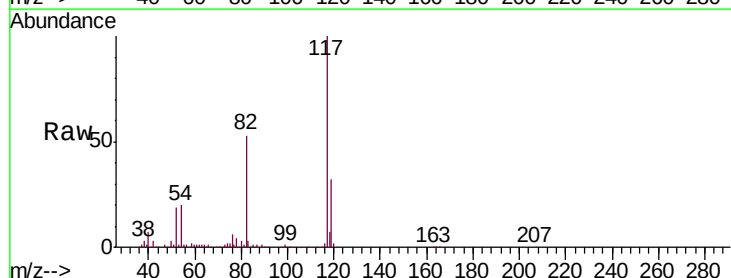
Tgt Ion: 117 Resp: 327155

Ion Ratio Lower Upper

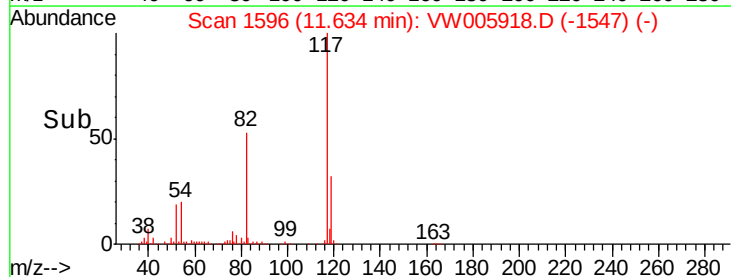
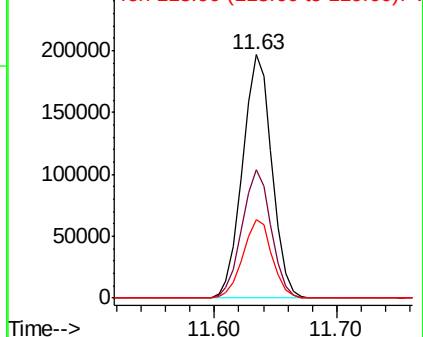
117 100

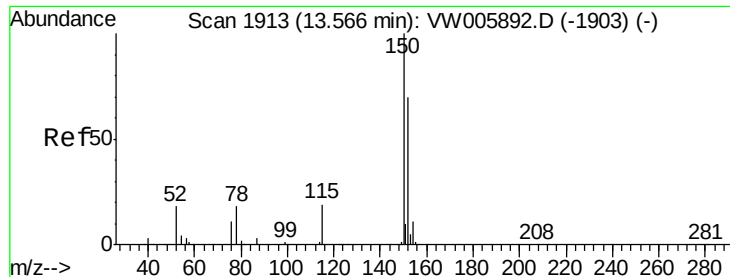
82 52.6 43.5 65.3

119 32.1 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): VW
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): VW

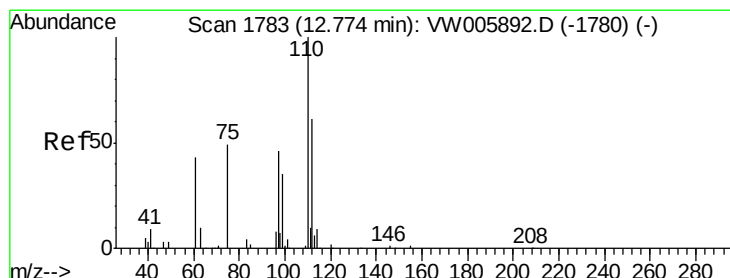
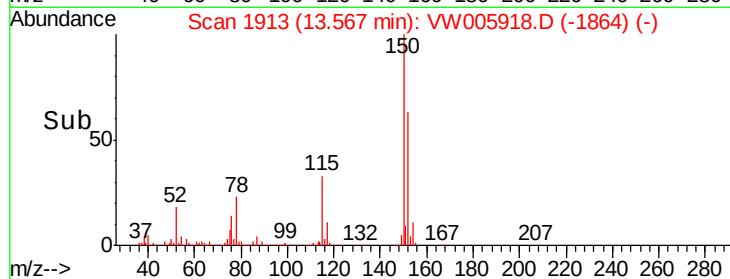
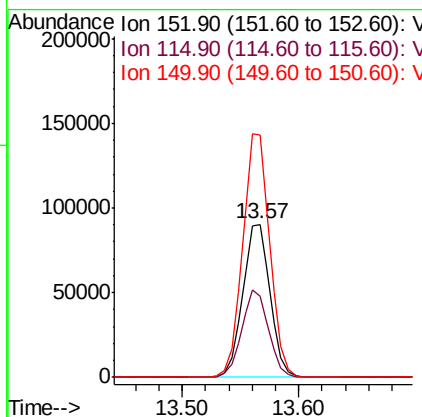
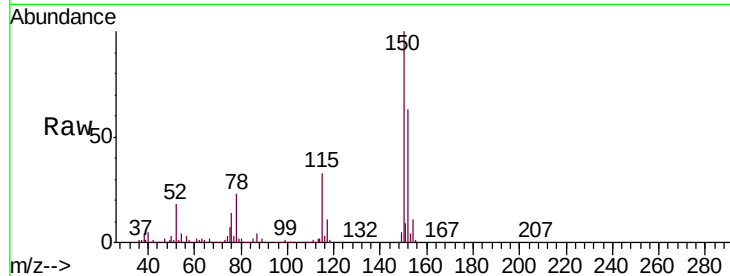




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.57 min Scan# 1913
 Delta R.T. 0.00 min
 Lab File: VW005918.D
 Acq: 09 Oct 2018 03:11

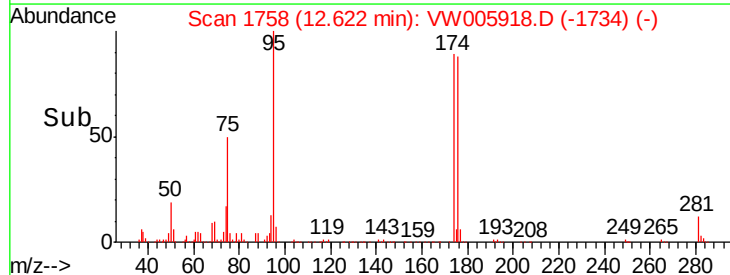
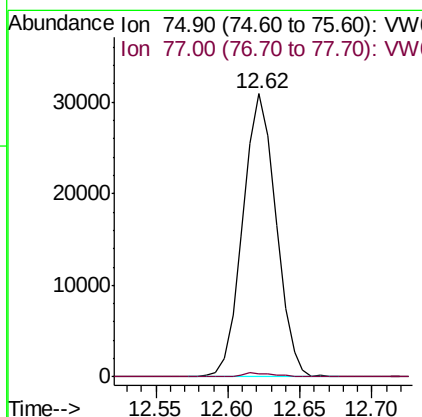
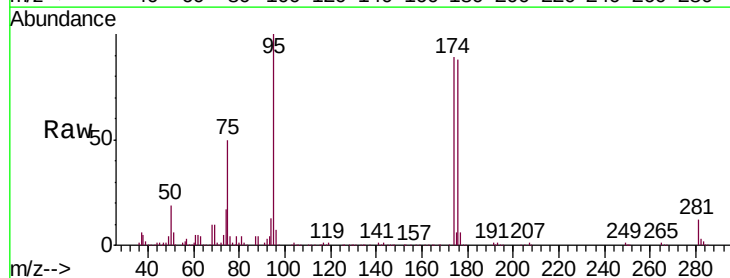
Instrument :
 MSVOA_W
 ClientSampleId :
 S-21-V

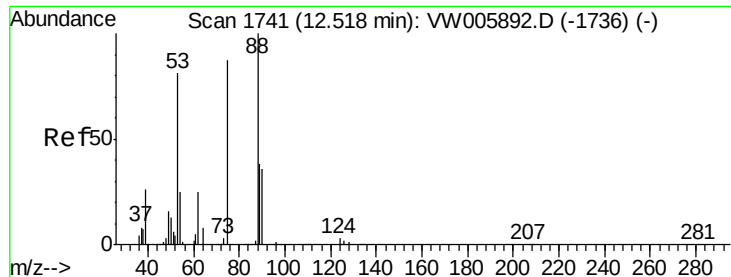
Tgt Ion: 152 Resp: 147631
 Ion Ratio Lower Upper
 152 100
 115 55.7 28.3 85.0
 150 157.4 0.0 349.2



#76
 1,2,3-Trichloropropane
 Concen: 37.439 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW005918.D
 Acq: 09 Oct 2018 03:11

Tgt Ion: 75 Resp: 49373
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 79.038 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005918.D

Acq: 09 Oct 2018 03:11

Instrument :

MSVOA_W

ClientSampleId :

S-21-V

Tgt Ion: 75 Resp: 49373

Ion Ratio Lower Upper

75 100

53 0.0 76.5 114.7#

89 0.0 37.6 56.4#

