

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101018\
 Data File : VW005993.D
 Acq On : 10 Oct 2018 17:21
 Operator : SY/AP
 Sample : J5306-08RE
 Misc : 6.90G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 S-20-V

Quant Time: Oct 11 04:54:13 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	185041	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	283638	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	254471	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	124289	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	103545	57.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.28%	
35) Dibromofluoromethane	7.88	113	99410	54.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.80%	
50) Toluene-d8	10.32	98	356380	51.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.30%	
62) 4-Bromofluorobenzene	12.62	95	126009	47.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.08%	

Target Compounds

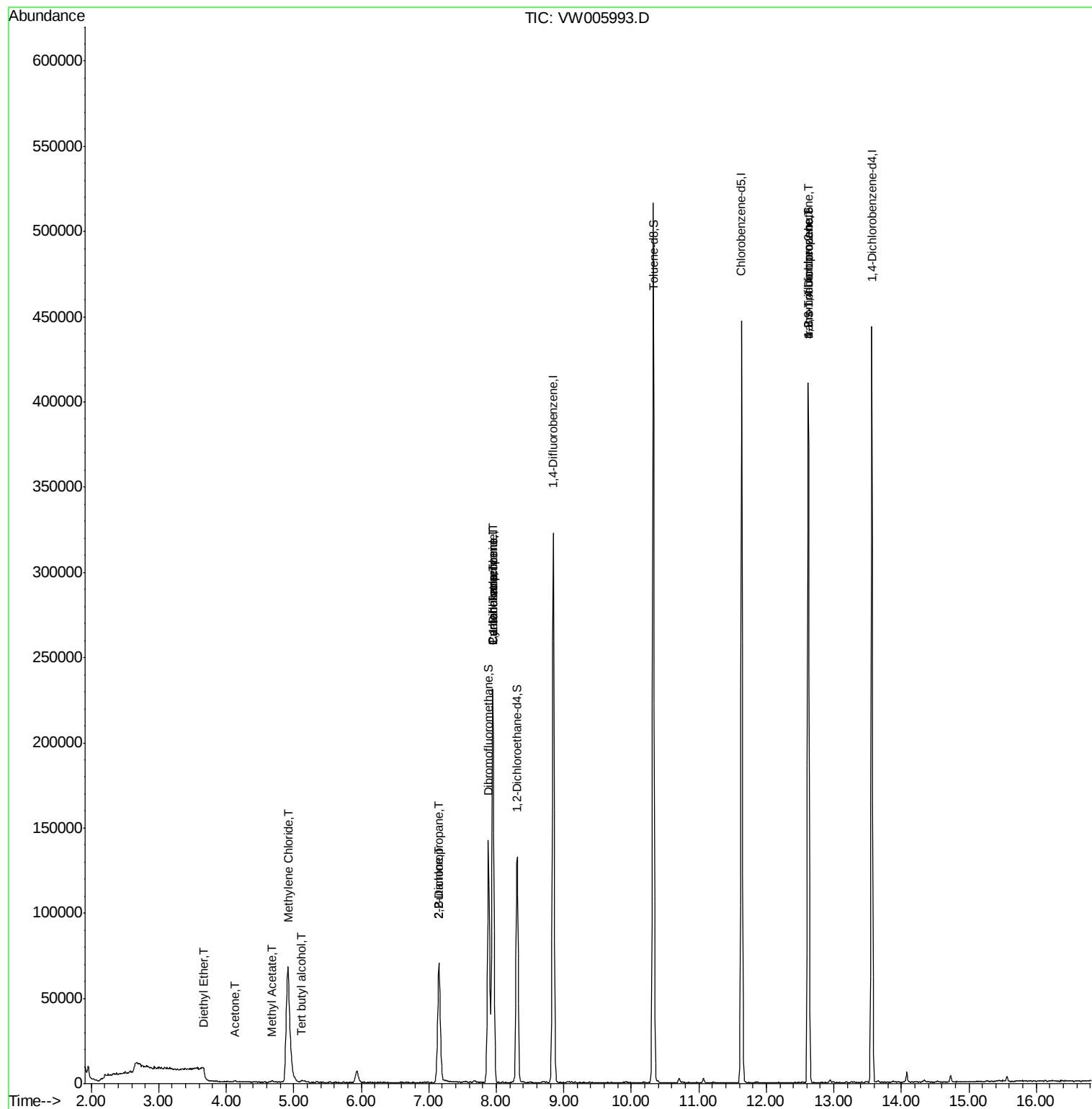
					Qvalue	
8) Diethyl Ether	3.68	74	929	1.123	ug/l	87
11) Tert butyl alcohol	5.11	59	1577	11.979	ug/l #	74
16) Acetone	4.13	43	648	1.806	ug/l #	44
18) Methyl Acetate	4.68	43	2102	2.322	ug/l #	84
20) Methylene Chloride	4.92	84	66582	37.038	ug/l	92
25) 2-Butanone	7.16	43	3756	7.360	ug/l #	77
26) 2,2-Dichloropropane	7.15	77	4755	2.126	ug/l #	52
31) Cyclohexane	7.95	56	3376	1.074	ug/l #	3
36) 1,1-Dichloropropene	7.95	75	12733	4.685	ug/l #	49
38) Carbon Tetrachloride	7.95	117	16458	5.636	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	63864	57.523	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	63864	121.436	ug/l #	11

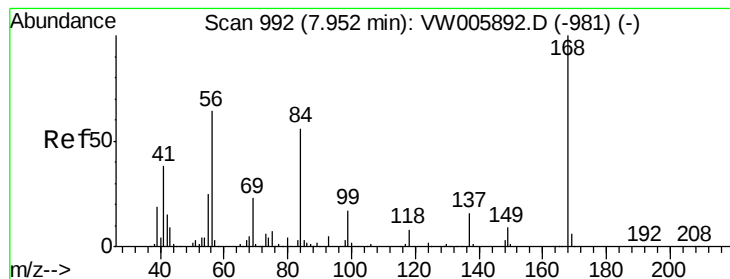
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW005993.D

Acq: 10 Oct 2018 17:21

Instrument :

MSVOA_W

ClientSampleId :

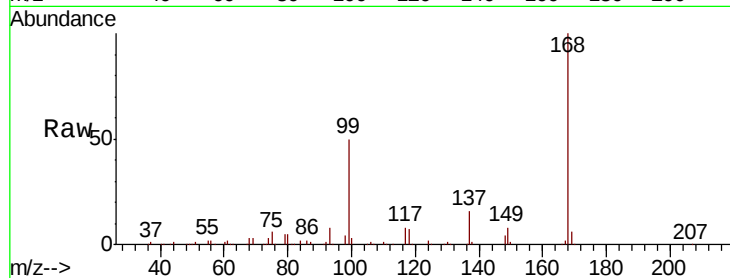
S-20-V

Tot Ion:168 Resp: 185041

Ion Ratio Lower Upper

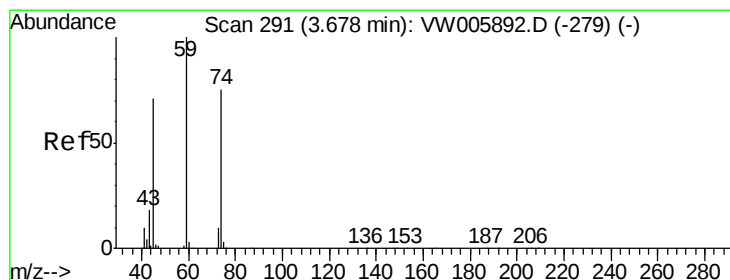
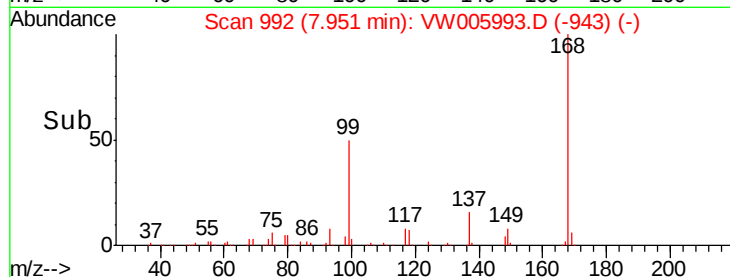
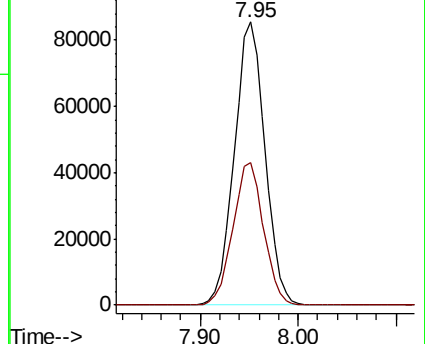
168 100

99 50.2 40.9 61.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.123 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW005993.D

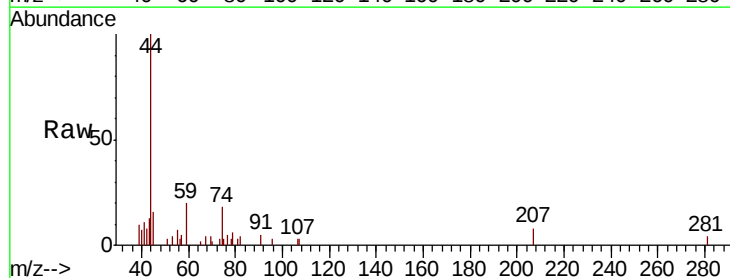
Acq: 10 Oct 2018 17:21

Tgt Ion: 74 Resp: 929

Ion Ratio Lower Upper

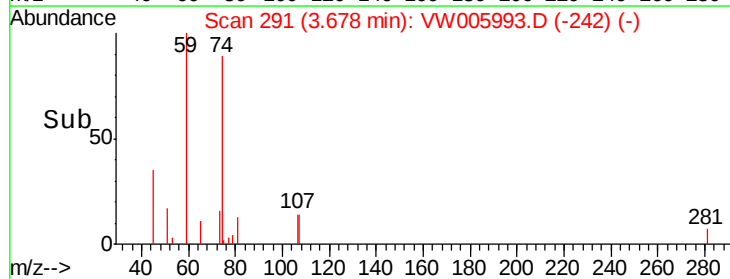
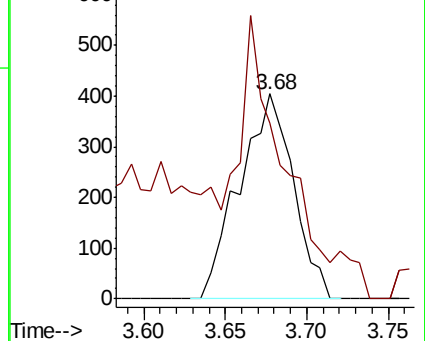
74 100

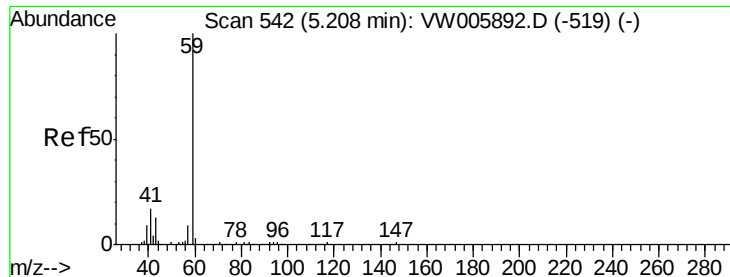
45 81.2 46.8 140.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



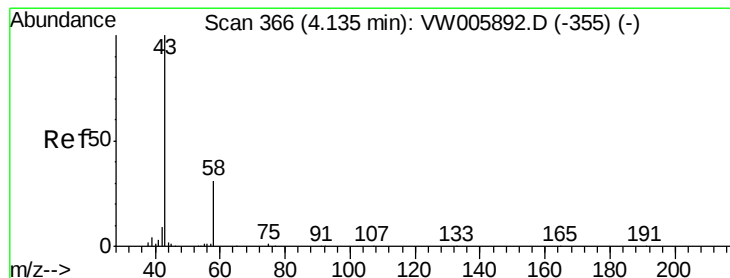
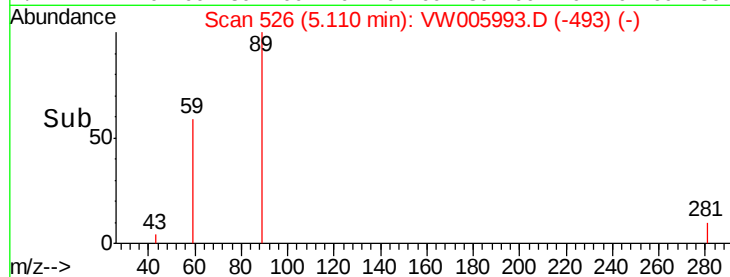
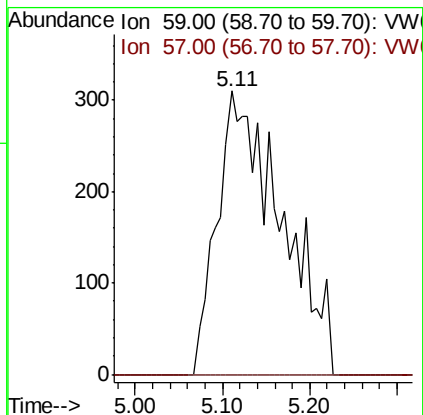
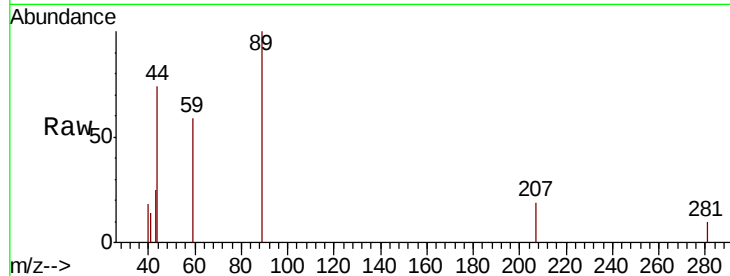


#11

Tert butyl alcohol
 Concen: 11.979 ug/l
 RT: 5.11 min Scan# 526
 Delta R.T. -0.10 min
 Lab File: VW005993.D
 Acq: 10 Oct 2018 17:21

Instrument :
 MSVOA_W
 ClientSampled :
 S-20-V

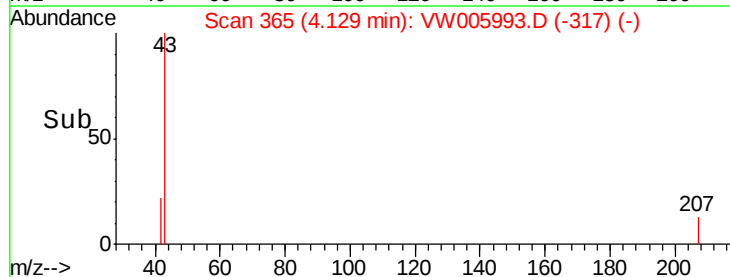
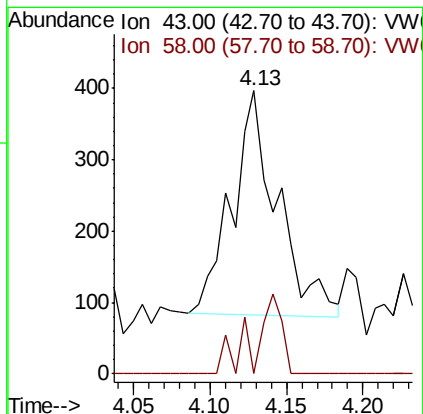
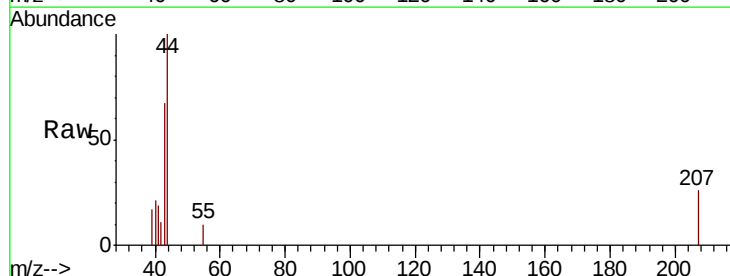
Tot Ion: 59 Resp: 1577
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.7 11.5#

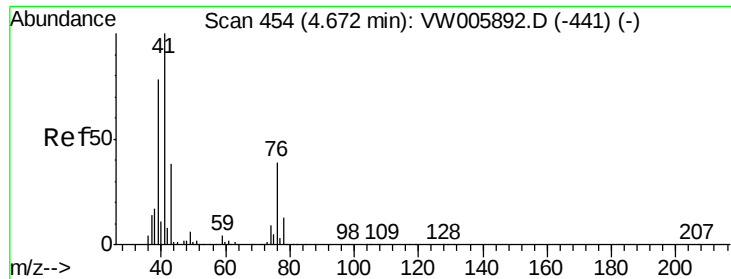


#16

Acetone
 Concen: 1.806 ug/l
 RT: 4.13 min Scan# 365
 Delta R.T. -0.01 min
 Lab File: VW005993.D
 Acq: 10 Oct 2018 17:21

Tgt Ion: 43 Resp: 648
 Ion Ratio Lower Upper
 43 100
 58 0.0 24.7 37.1#

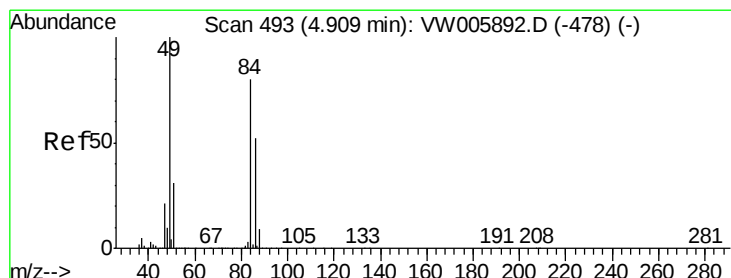
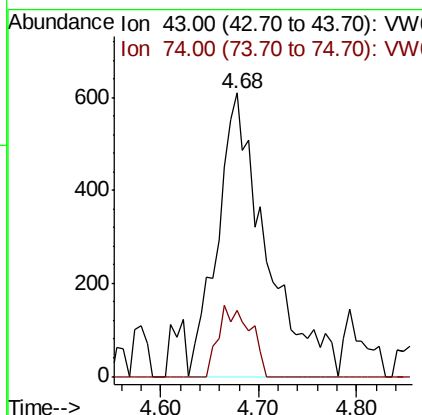
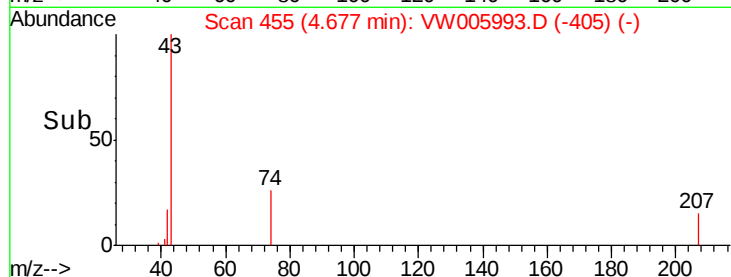
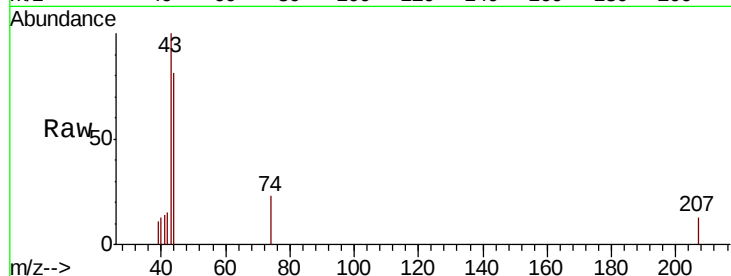




#18
Methyl Acetate
Concen: 2.322 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW005993.D
Acq: 10 Oct 2018 17:21

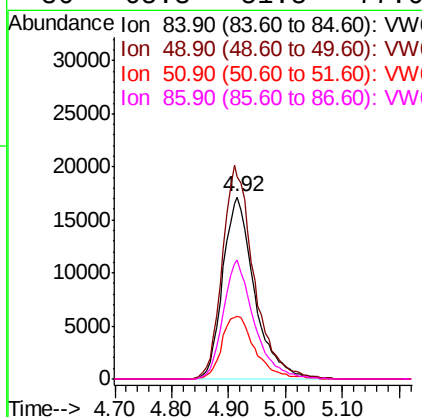
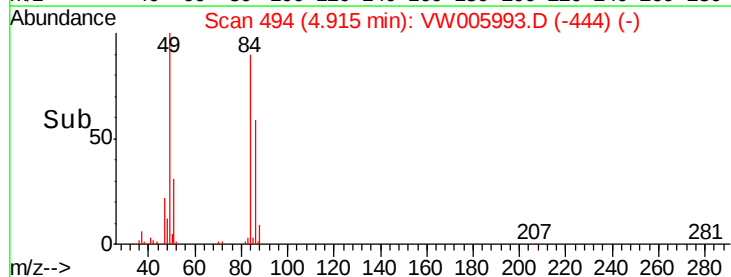
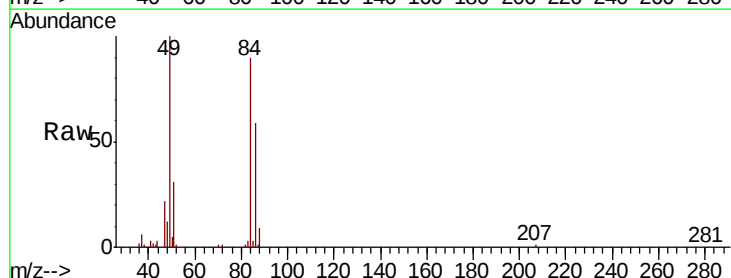
Instrument :
MSVOA_W
ClientSampleId :
S-20-V

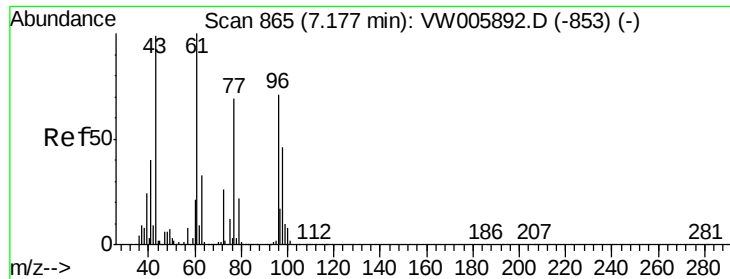
Tot Ion: 43 Resp: 2102
Ion Ratio Lower Upper
43 100
74 16.2 19.2 28.8#



#20
Methylene Chloride
Concen: 37.038 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW005993.D
Acq: 10 Oct 2018 17:21

Tgt Ion: 84 Resp: 66582
Ion Ratio Lower Upper
84 100
49 110.9 99.9 149.9
51 34.7 31.1 46.7
86 65.3 51.8 77.6





#25

2-Butanone

Concen: 7.360 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.02 min

Lab File: VW005993.D

Acq: 10 Oct 2018 17:21

Instrument :

MSVOA_W

ClientSampled :

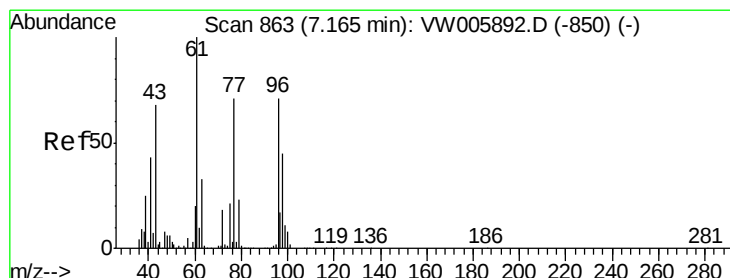
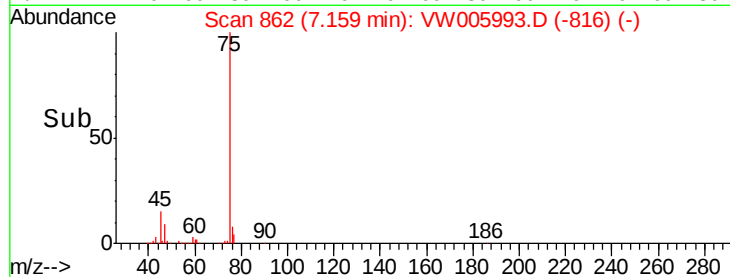
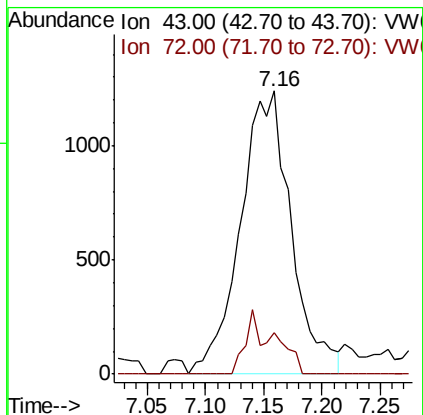
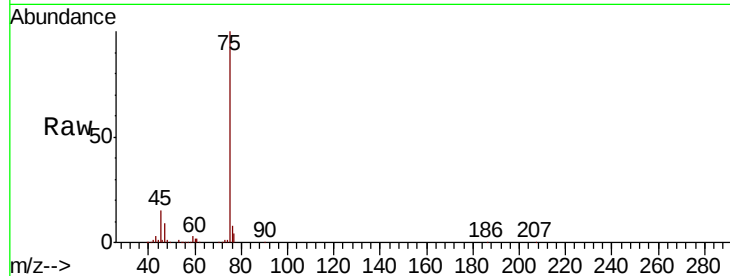
S-20-V

Tot Ion: 43 Resp: 3756

Ion Ratio Lower Upper

43 100

72 14.5 21.0 31.4#



#26

2,2-Dichloropropane

Concen: 2.126 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: VW005993.D

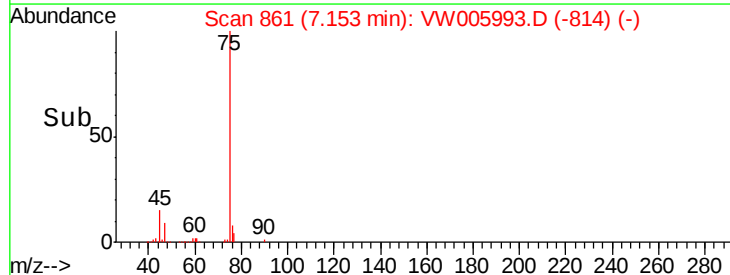
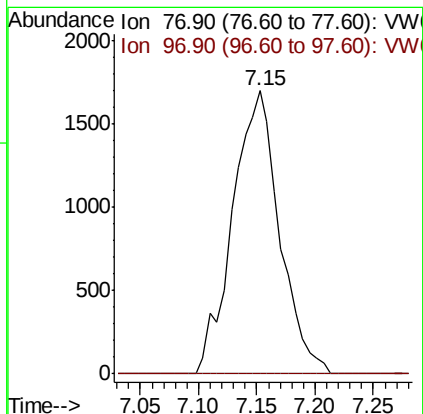
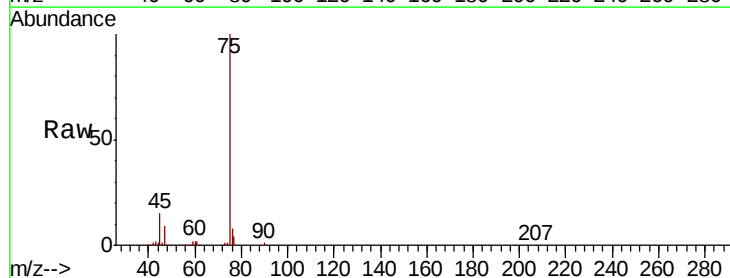
Acq: 10 Oct 2018 17:21

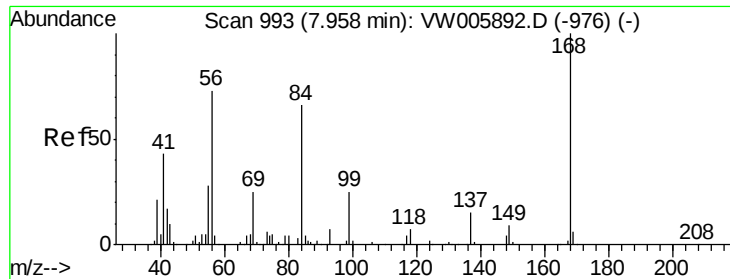
Tgt Ion: 77 Resp: 4755

Ion Ratio Lower Upper

77 100

97 0.0 11.9 35.7#





#31

Cyclohexane

Concen: 1.074 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW005993.D

Acq: 10 Oct 2018 17:21

Instrument :

MSVOA_W

ClientSampleId :

S-20-V

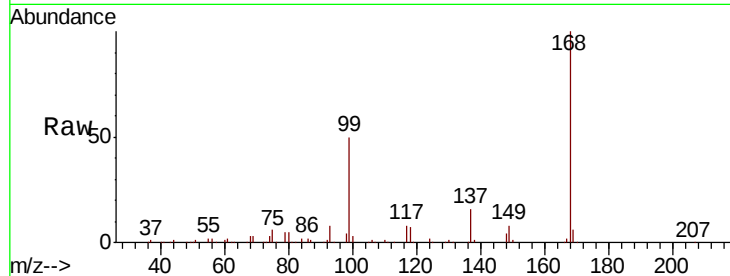
Tot Ion: 56 Resp: 3376

Ion Ratio Lower Upper

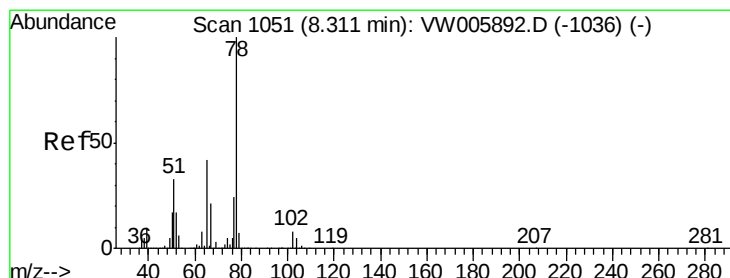
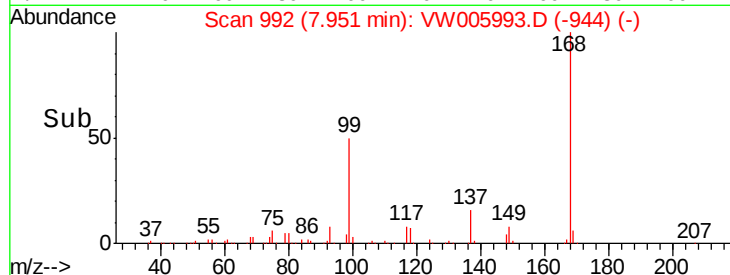
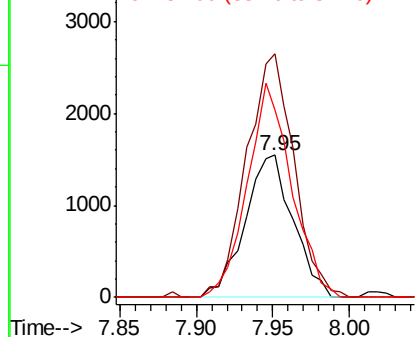
56 100

69 171.1 27.9 41.9#

84 131.5 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: 57.642 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW005993.D

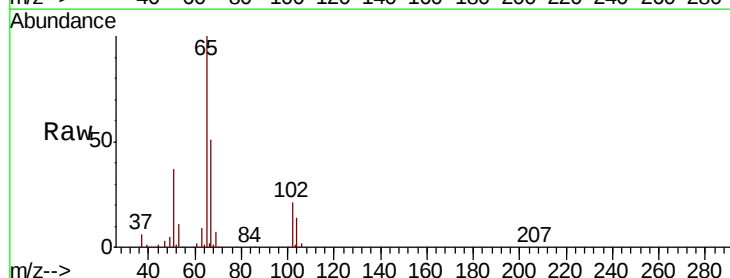
Acq: 10 Oct 2018 17:21

Tgt Ion: 65 Resp: 103545

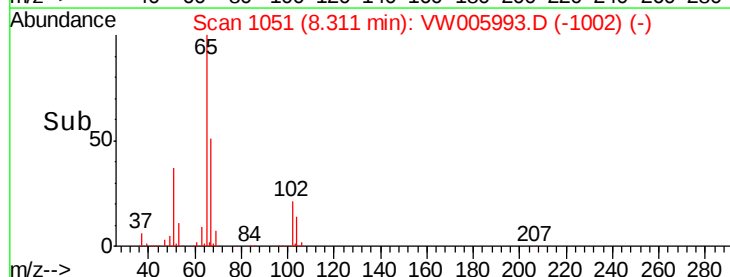
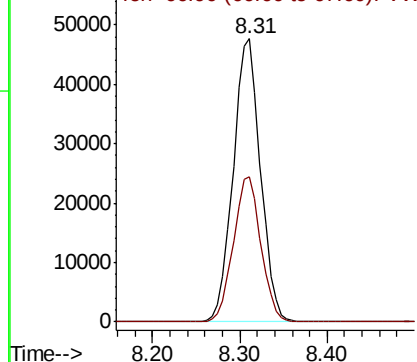
Ion Ratio Lower Upper

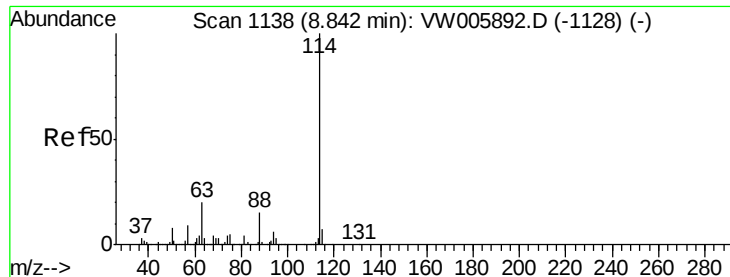
65 100

67 51.7 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

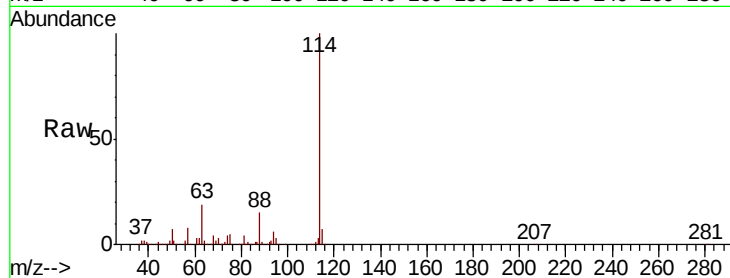




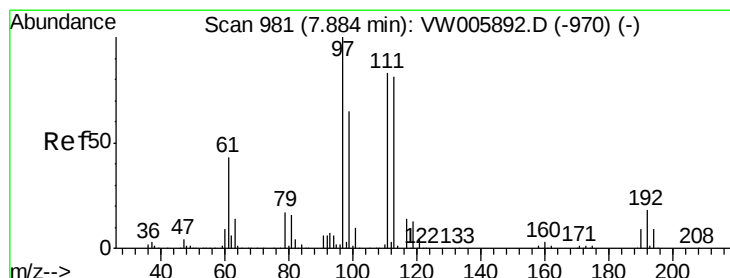
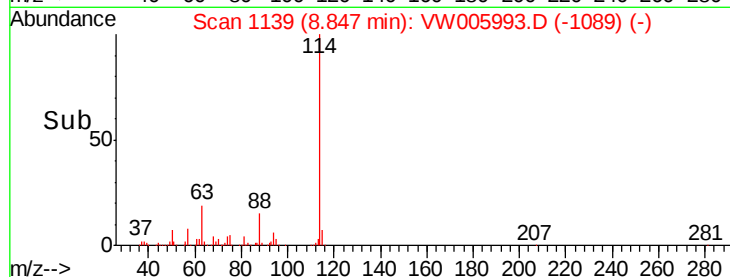
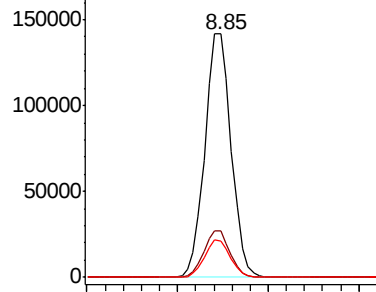
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VW005993.D
 Acq: 10 Oct 2018 17:21

Instrument :
 MSVOA_W
 ClientSampleId :
 S-20-V

Tot Ion:114 Resp: 283638
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 39.2
 88 14.7 0.0 30.8

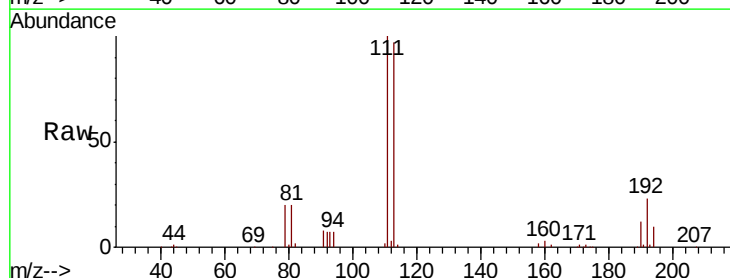


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

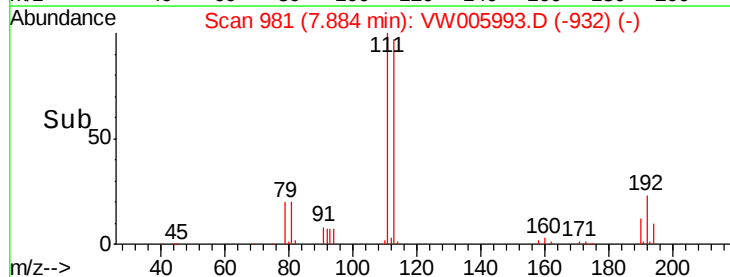
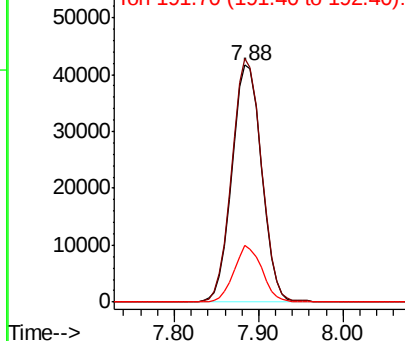


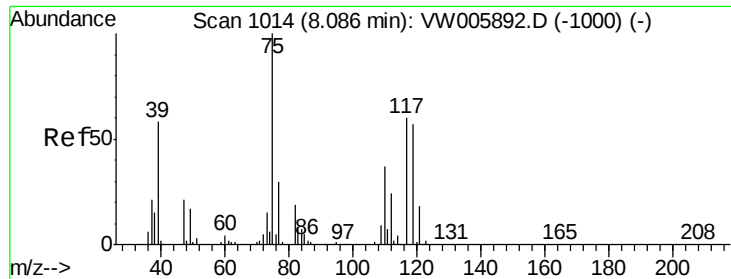
#35
 Dibromofluoromethane
 Concen: 54.895 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW005993.D
 Acq: 10 Oct 2018 17:21

Tgt Ion:113 Resp: 99410
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.0 123.0
 192 22.4 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

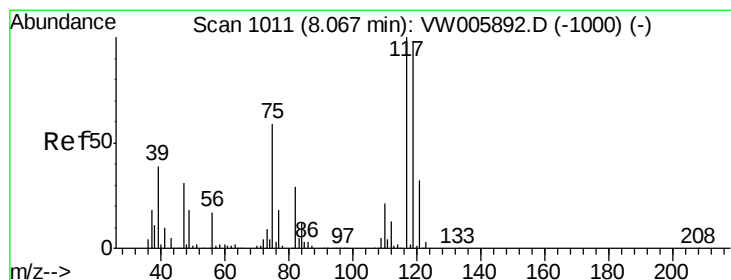
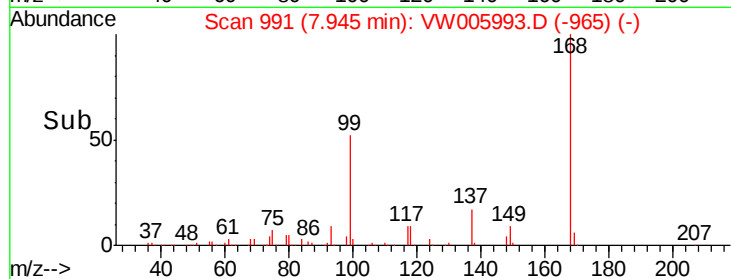
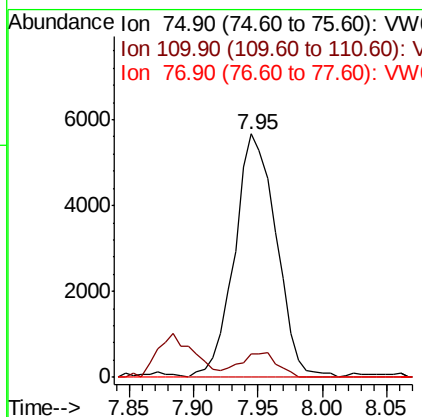
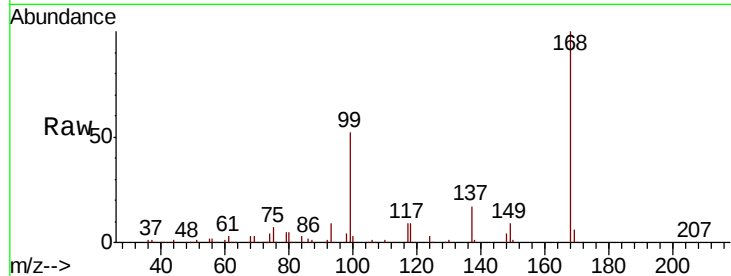




#36
 1,1-Dichloropropene
 Concen: 4.685 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW005993.D
 Acq: 10 Oct 2018 17:21

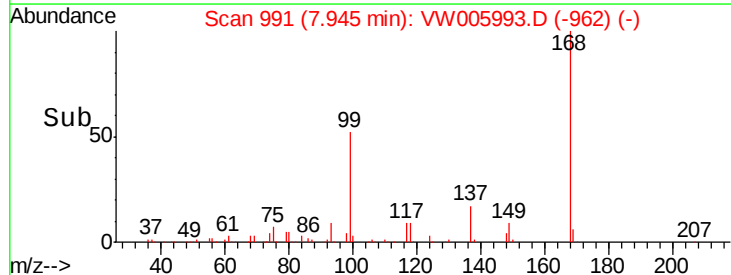
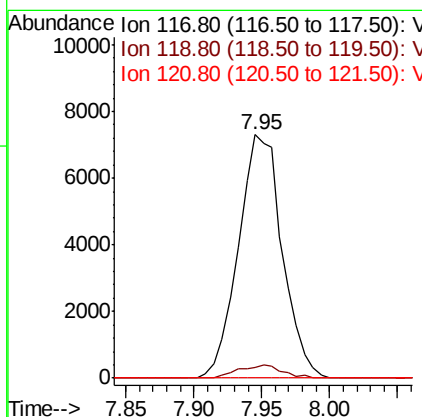
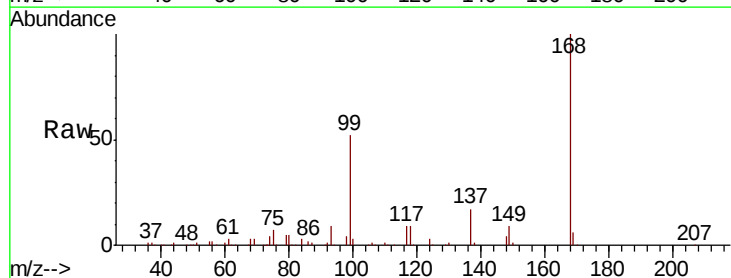
Instrument :
 MSVOA_W
 ClientSampled :
 S-20-V

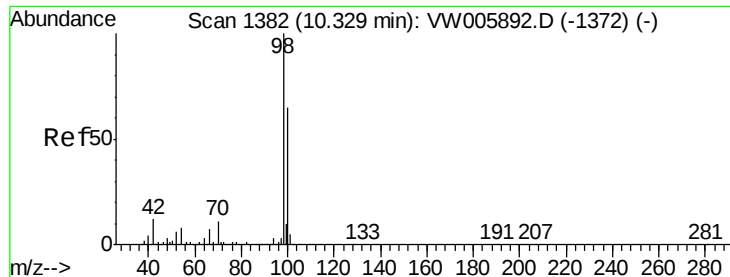
Tot Ion	75	Resp	12733
Ion Ratio	Lower	Upper	
75	100		
110	9.1	18.6	56.0#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 5.636 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW005993.D
 Acq: 10 Oct 2018 17:21

Tgt Ion	117	Resp	16458
Ion Ratio	Lower	Upper	
117	100		
119	4.6	78.6	117.8#
121	0.0	25.3	37.9#





#50

Toluene-d8

Concen: 51.150 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VW005993.D

Acq: 10 Oct 2018 17:21

Instrument :

MSVOA_W

ClientSampleId :

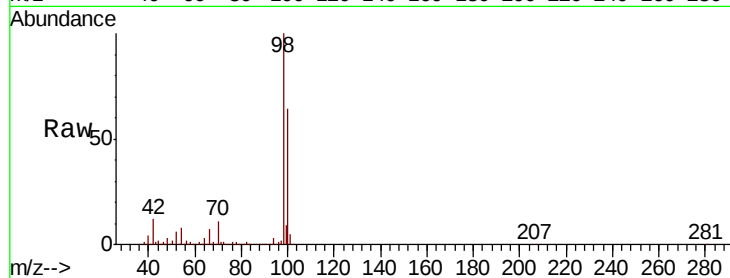
S-20-V

Tot Ion: 98 Resp: 356380

Ion Ratio Lower Upper

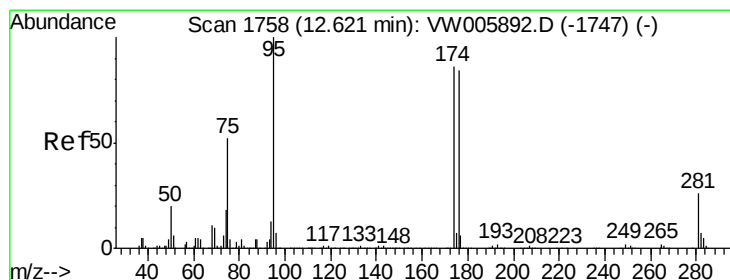
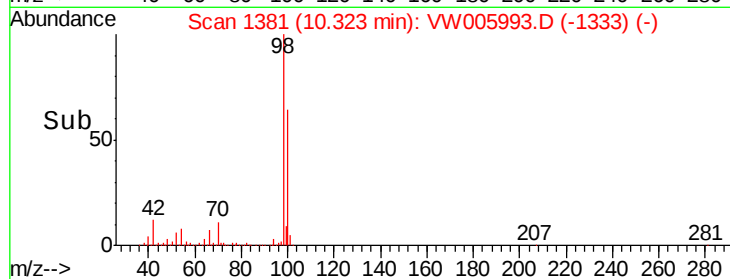
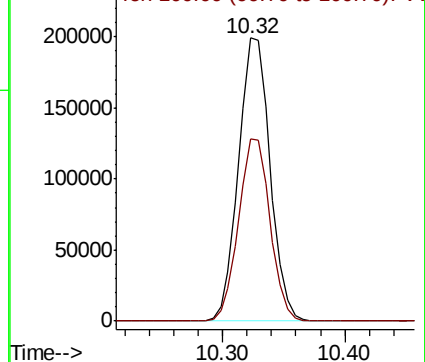
98 100

100 64.3 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: 47.536 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW005993.D

Acq: 10 Oct 2018 17:21

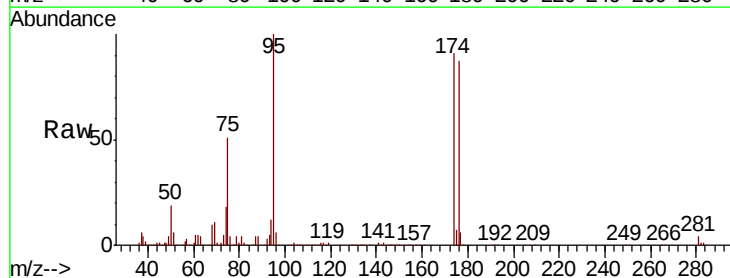
Tgt Ion: 95 Resp: 126009

Ion Ratio Lower Upper

95 100

174 92.4 0.0 176.4

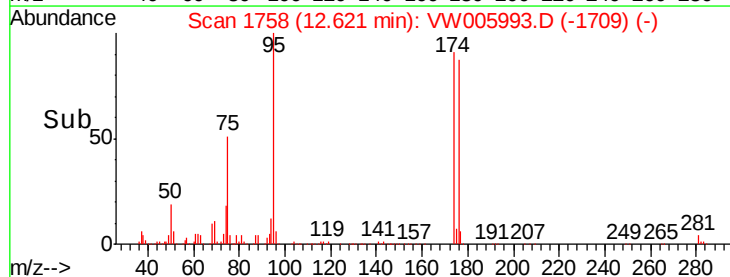
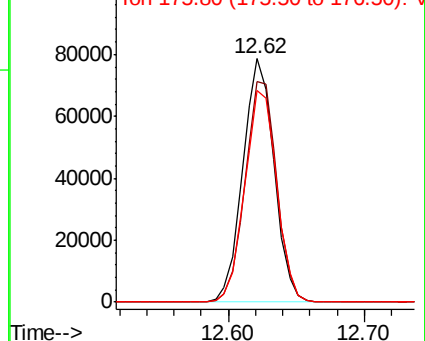
176 89.1 0.0 173.0

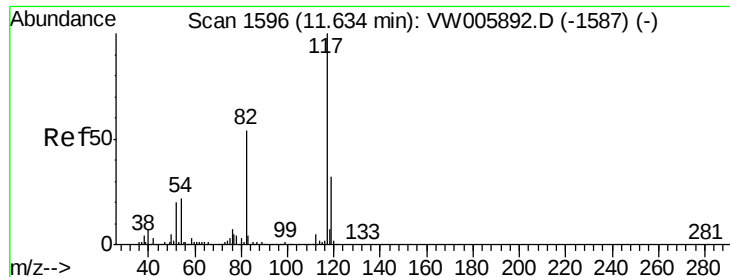


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

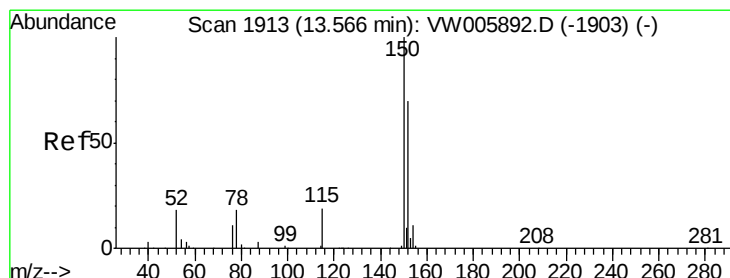
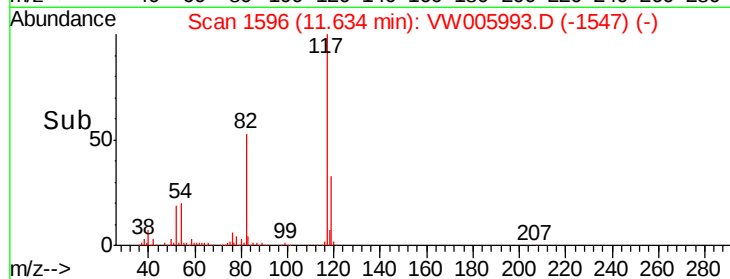
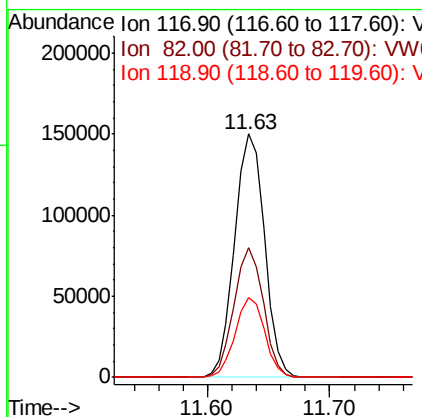
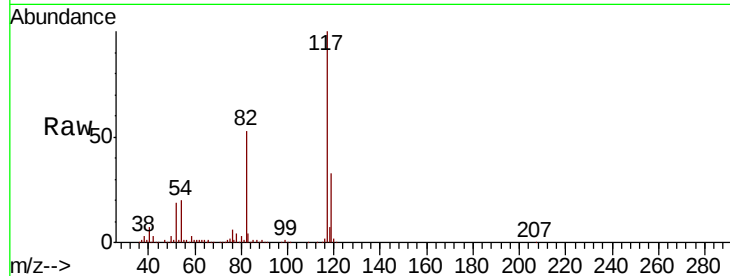




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW005993.D
Acq: 10 Oct 2018 17:21

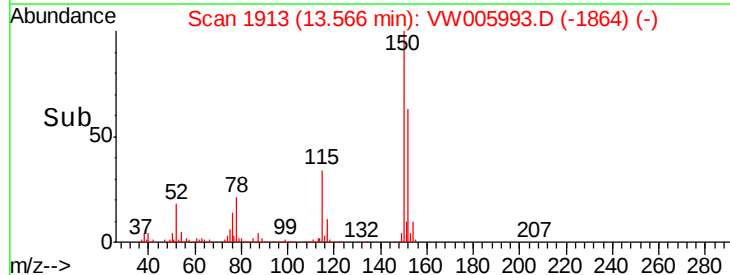
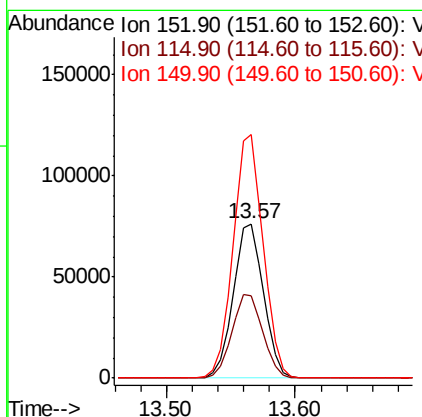
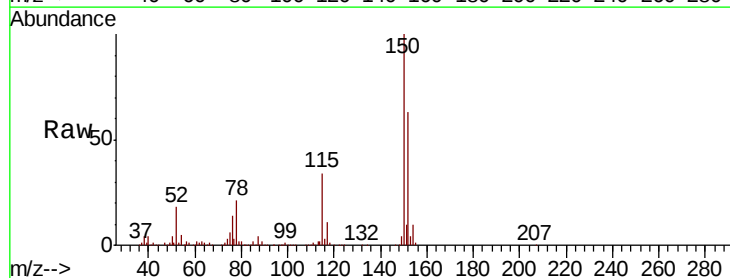
Instrument :
MSVOA_W
ClientSampleId :
S-20-V

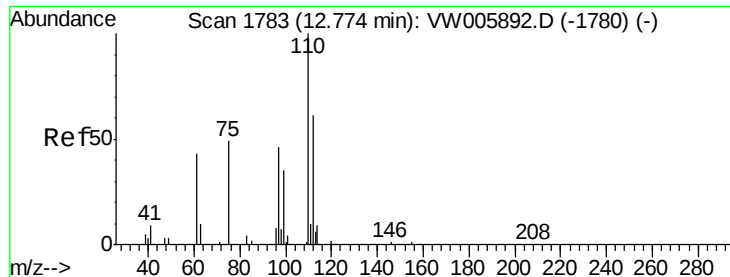
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	43.5	65.3
119	32.6	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW005993.D
Acq: 10 Oct 2018 17:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.4	28.3	85.0
150	156.5	0.0	349.2





#76

1,2,3-Trichloropropane

Concen: 57.523 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005993.D

Acq: 10 Oct 2018 17:21

Instrument :

MSVOA_W

ClientSampled :

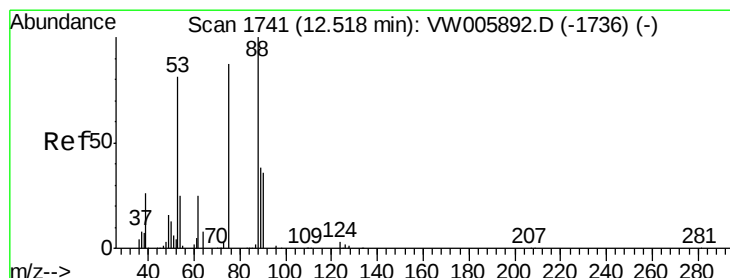
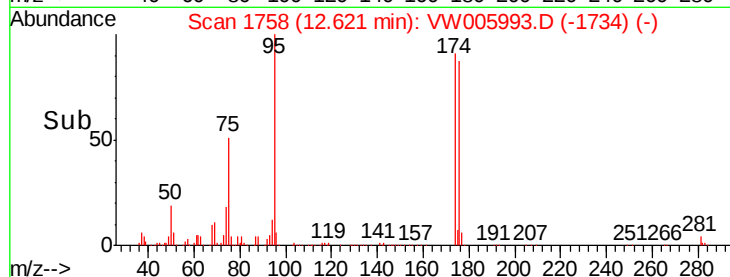
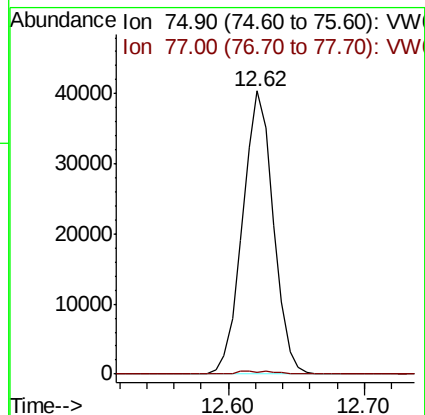
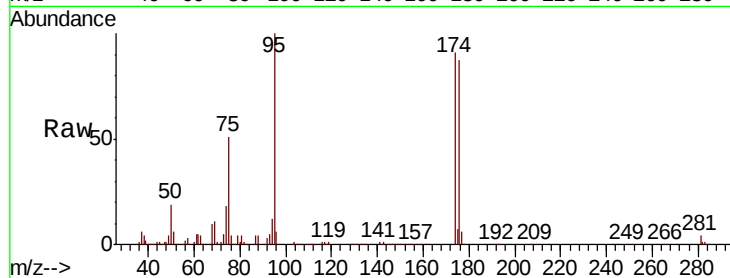
S-20-V

Tot Ion: 75 Resp: 63864

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 121.436 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005993.D

Acq: 10 Oct 2018 17:21

Tgt Ion: 75 Resp: 63864

Ion Ratio Lower Upper

75 100

53 0.0 76.5 114.7#

89 0.1 37.6 56.4#

