

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120618\
 Data File : VW007294.D
 Acq On : 06 Dec 2018 22:07
 Operator : SY/AP
 Sample : J6214-11RE
 Misc : 4.49G/5ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 07 01:18:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 05 01:35:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	99053	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	155596	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	132381	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	58651	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	35217	38.19	ug/l	0.00
Spiked Amount			Recovery	=	76.38%	
35) Dibromofluoromethane	7.88	113	32835	36.85	ug/l	0.00
Spiked Amount			Recovery	=	73.70%	
50) Toluene-d8	10.33	98	129493	33.00	ug/l	0.00
Spiked Amount			Recovery	=	66.00%	
62) 4-Bromofluorobenzene	12.62	95	46213	31.20	ug/l	0.00
Spiked Amount			Recovery	=	62.40%	

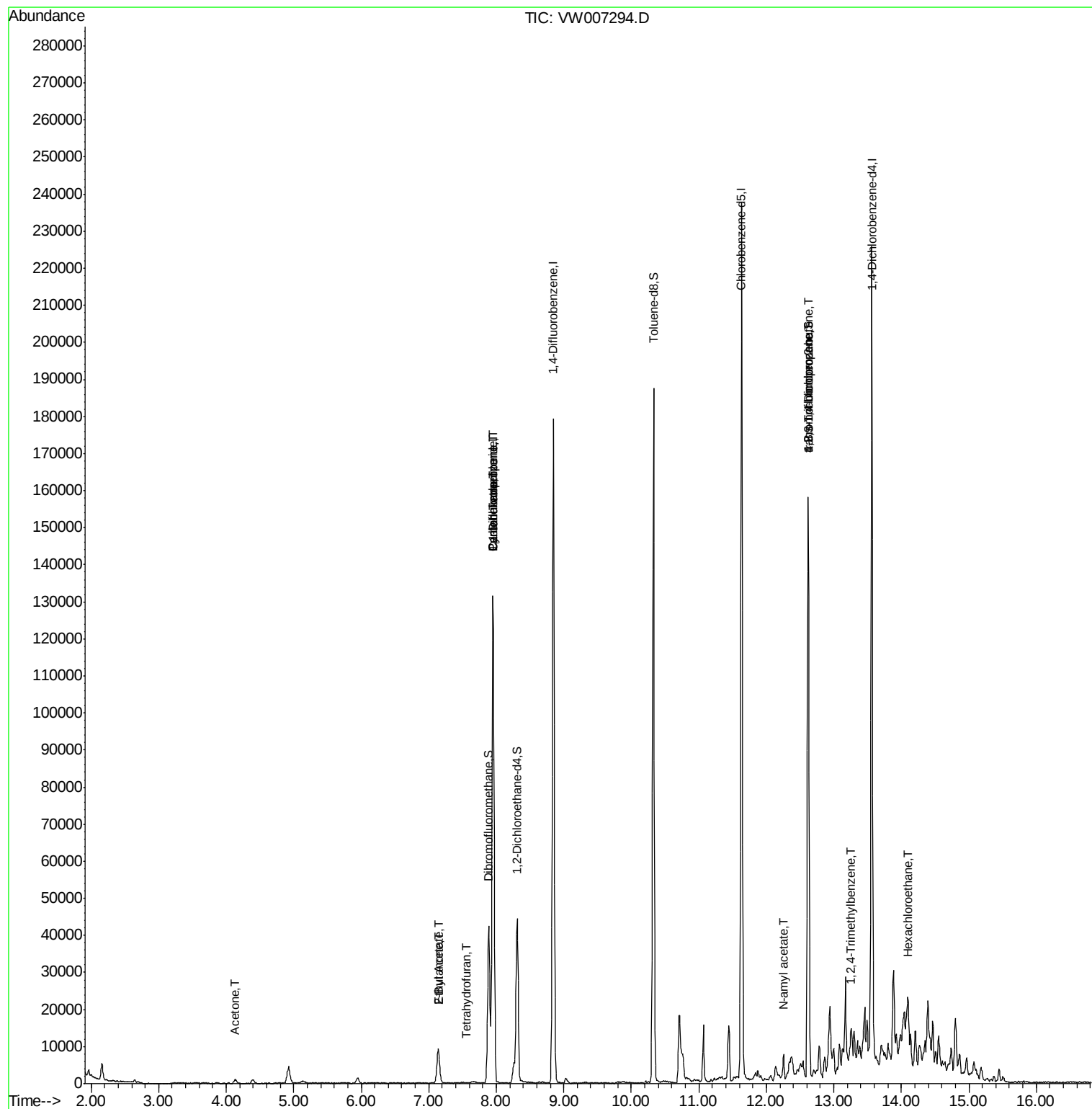
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.13	59	465	Below Cal	#	75
16) Acetone	4.14	43	1850	8.474	ug/l	94
20) Methylene Chloride	4.93	84	3689	Below Cal		95
25) 2-Butanone	7.14	43	577	2.280	ug/l #	46
29) Tetrahydrofuran	7.56	42	178	1.138	ug/l #	31
31) Cyclohexane	7.95	56	1926	1.052	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	7150	4.723	ug/l #	49
37) Ethyl Acetate	7.14	43	577	1.054	ug/l #	68
38) Carbon Tetrachloride	7.96	117	9940	6.433	ug/l #	16
74) N-amyl acetate	12.26	43	1540	1.821	ug/l #	52
76) 1,2,3-Trichloropropane	12.62	75	23291	51.286	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	23291	110.539	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.26	105	6580	1.580	ug/l	96
90) Hexachloroethane	14.11	117	722	1.045	ug/l #	14

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

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Quant Time: Dec 07 01:18:11 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 05 01:35:23 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: VW007294.D

Acq: 06 Dec 2018 22:07

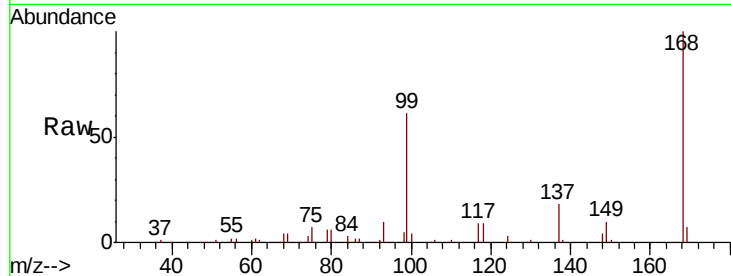
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 99053

Ion Ratio Lower Upper

168 100

99 61.0 47.8 71.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

50000

40000

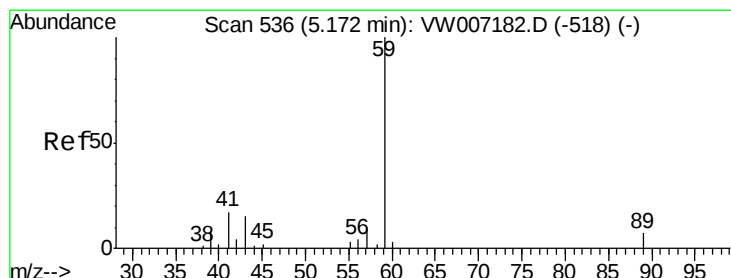
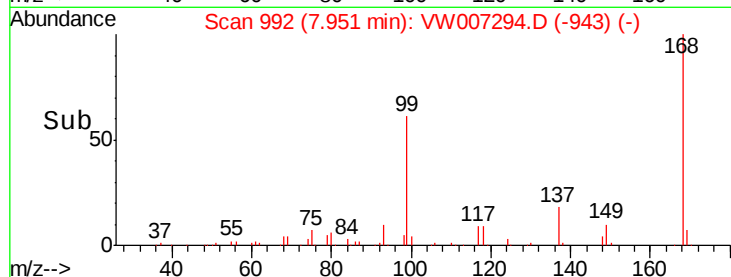
30000

20000

10000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.13 min Scan# 530

Delta R.T. -0.04 min

Lab File: VW007294.D

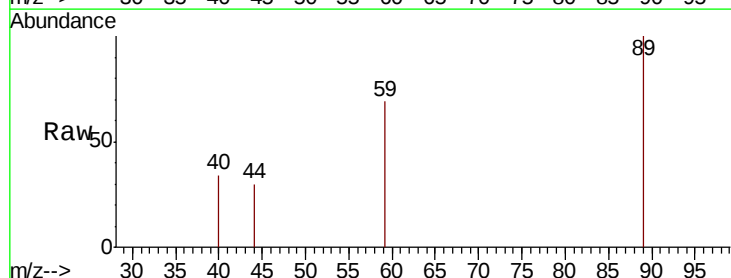
Acq: 06 Dec 2018 22:07

Tgt Ion: 59 Resp: 465

Ion Ratio Lower Upper

59 100

57 0.0 7.1 10.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.13

300

250

200

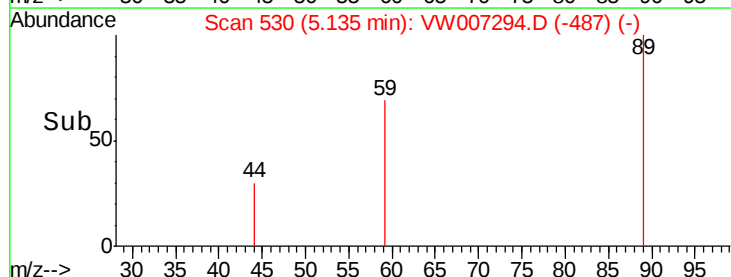
150

100

50

0

Time--> 5.10 5.15 5.20

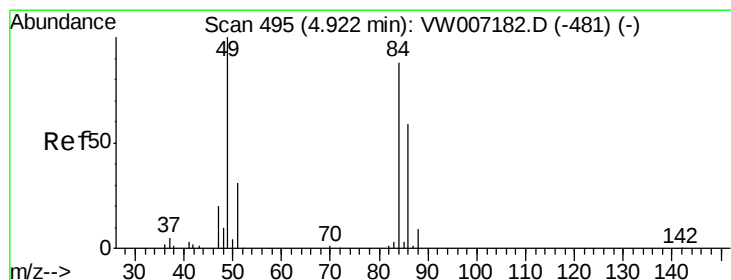
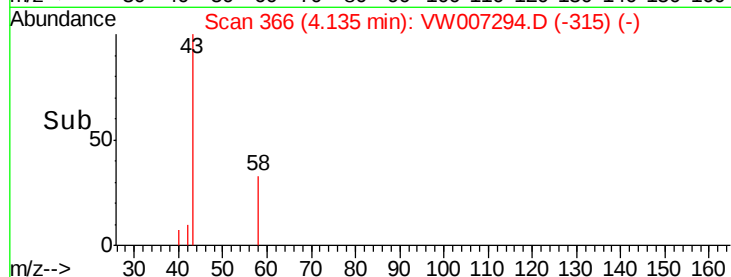
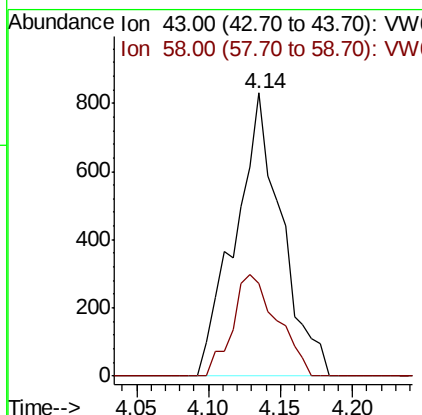
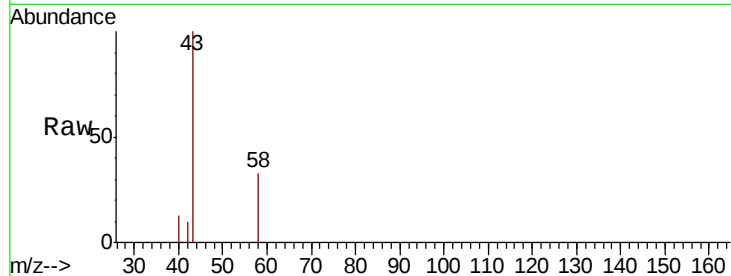




#16
Acetone
Concen: 8.474 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.01 min
Lab File: VW007294.D
Acq: 06 Dec 2018 22:07

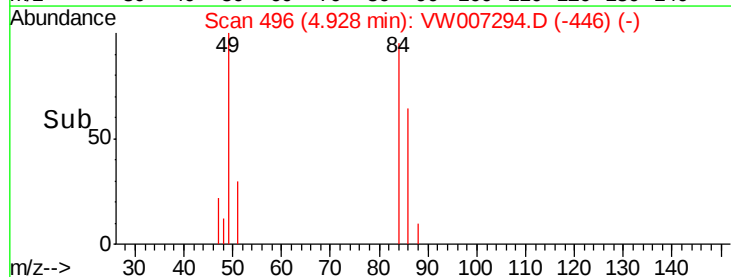
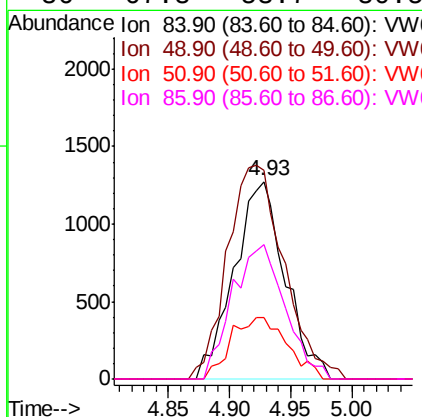
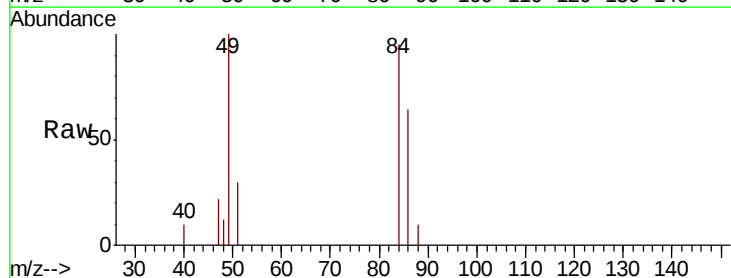
Instrument :
MSVOA_W
ClientSampled :

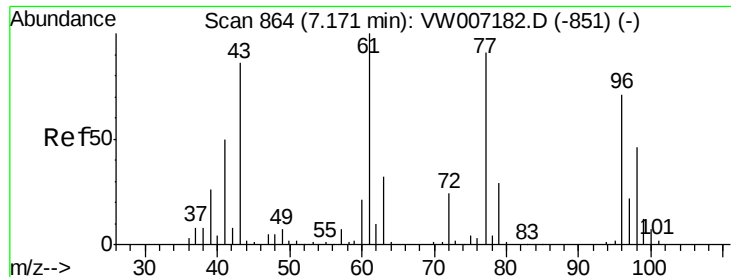
Tot Ion: 43 Resp: 1850
Ion Ratio Lower Upper
43 100
58 32.9 23.8 35.8



#20
Methylene Chloride
Concen: Below Cal
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW007294.D
Acq: 06 Dec 2018 22:07

Tgt Ion: 84 Resp: 3689
Ion Ratio Lower Upper
84 100
49 105.5 90.6 135.8
51 31.4 27.6 41.4
86 67.8 53.7 80.5

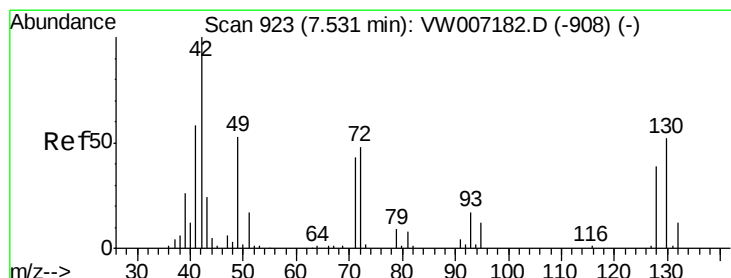
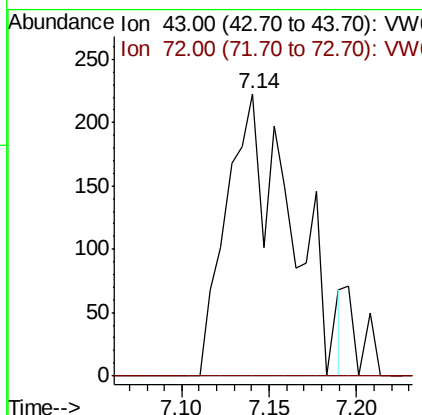
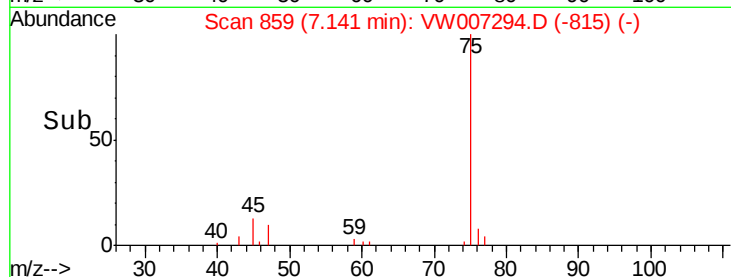
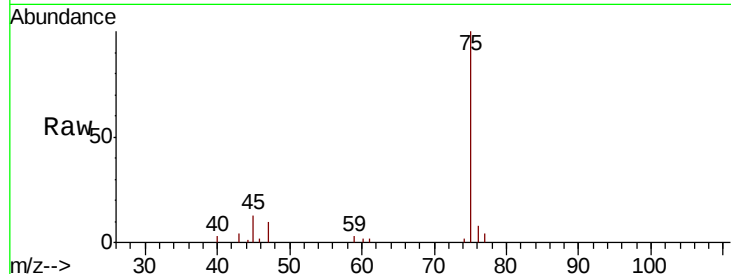




#25
 2-Butanone
 Concen: 2.280 ug/l
 RT: 7.14 min Scan# 859
 Delta R.T. -0.03 min
 Lab File: VW007294.D
 Acq: 06 Dec 2018 22:07

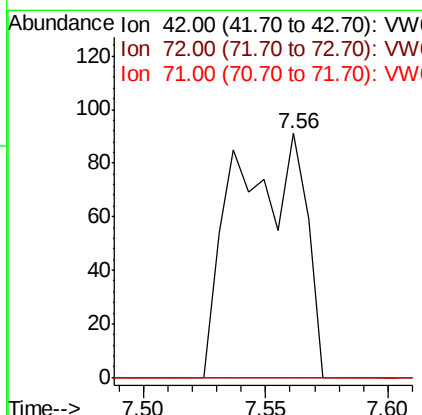
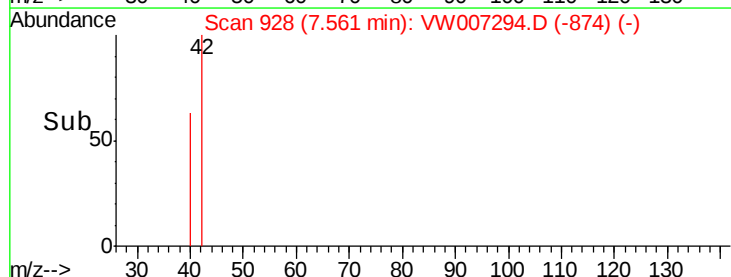
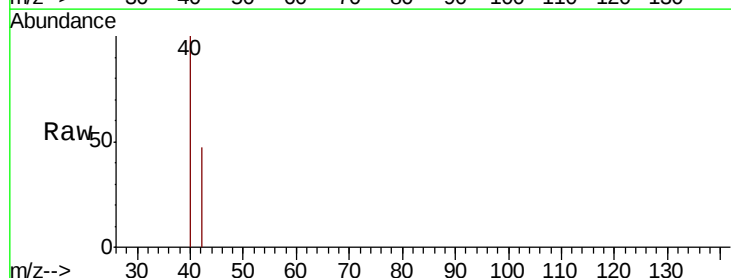
Instrument :
 MSVOA_W
 ClientSampled :

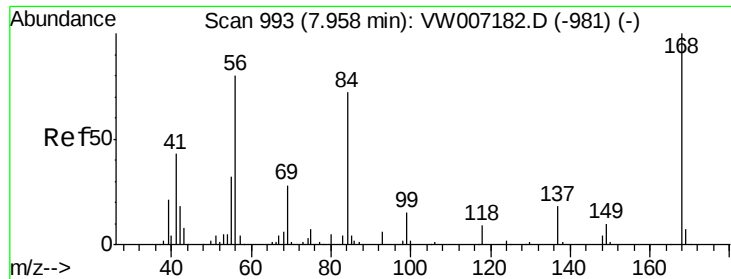
Tot Ion: 43 Resp: 577
 Ion Ratio Lower Upper
 43 100
 72 0.0 22.8 34.2#



#29
 Tetrahydrofuran
 Concen: 1.138 ug/l
 RT: 7.56 min Scan# 928
 Delta R.T. 0.03 min
 Lab File: VW007294.D
 Acq: 06 Dec 2018 22:07

Tgt Ion: 42 Resp: 178
 Ion Ratio Lower Upper
 42 100
 72 0.0 36.6 55.0#
 71 0.0 34.8 52.2#

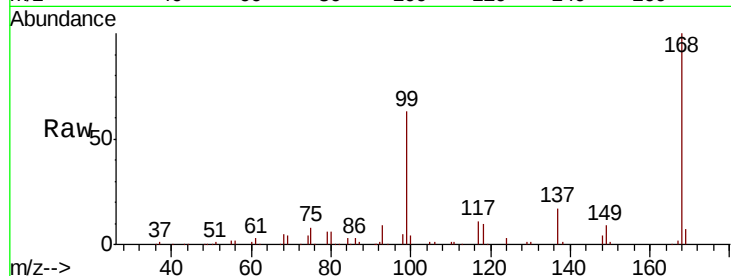




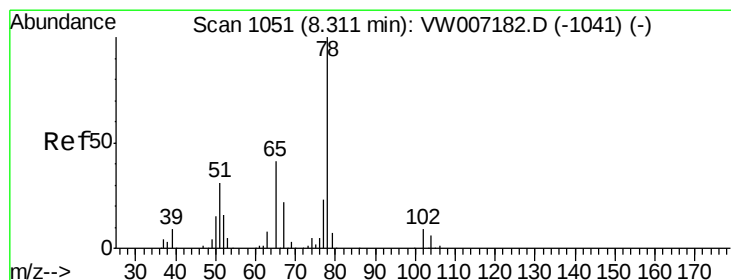
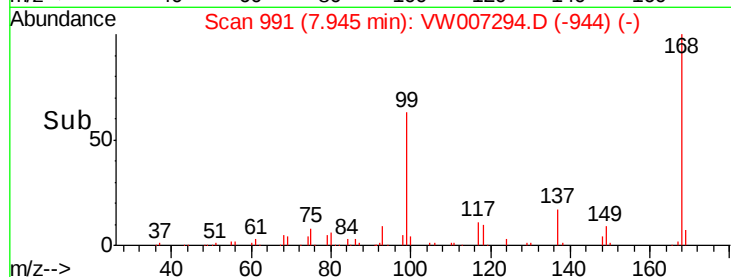
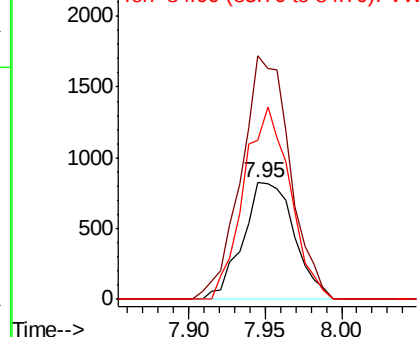
#31
Cyclohexane
Concen: 1.052 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW007294.D
Acq: 06 Dec 2018 22:07

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 1926
Ion Ratio Lower Upper
56 100
69 209.1 28.2 42.2#
84 137.2 72.1 108.1#

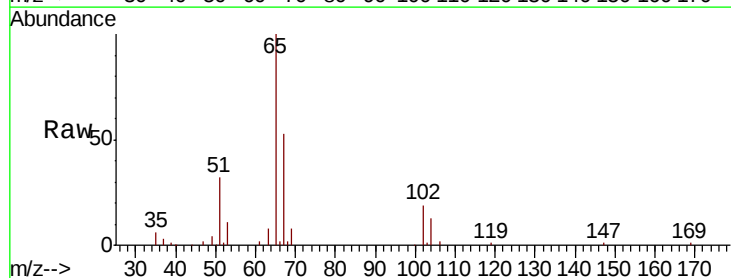


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

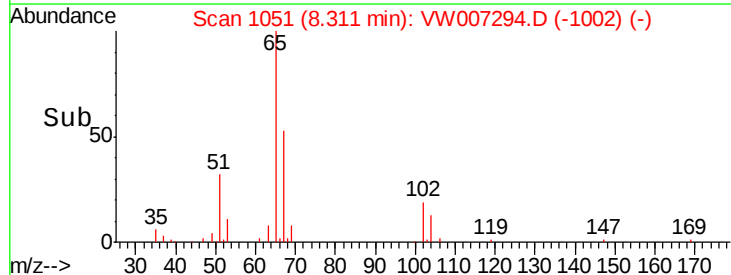
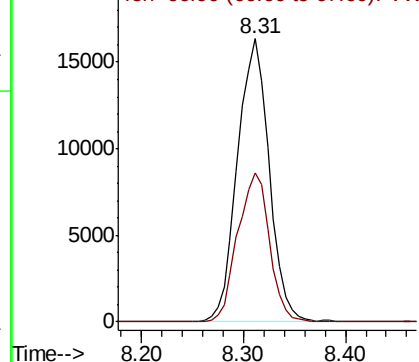


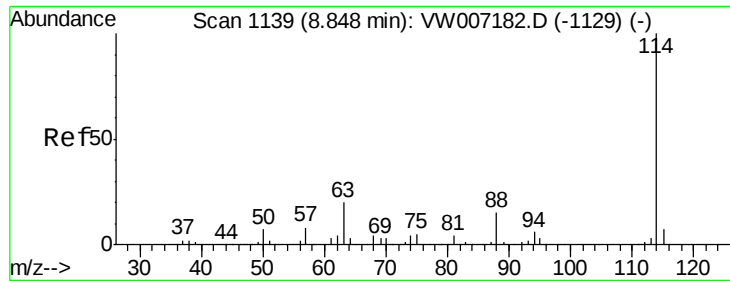
#33
1,2-Dichloroethane-d4
Concen: 38.187 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VW007294.D
Acq: 06 Dec 2018 22:07

Tgt Ion: 65 Resp: 35217
Ion Ratio Lower Upper
65 100
67 52.8 0.0 106.4



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

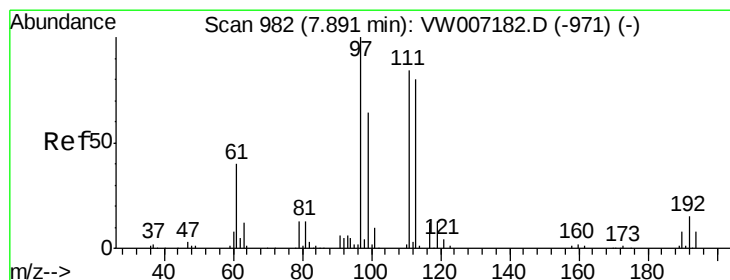
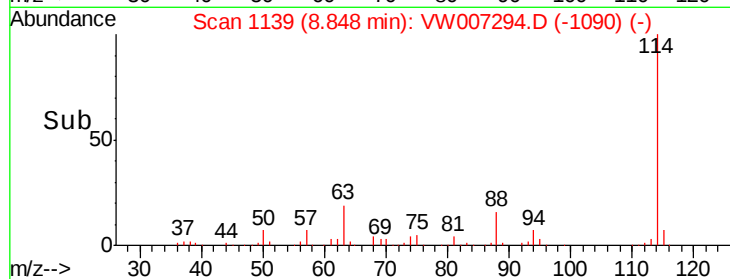
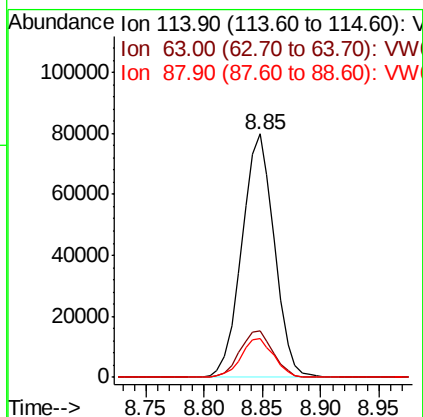
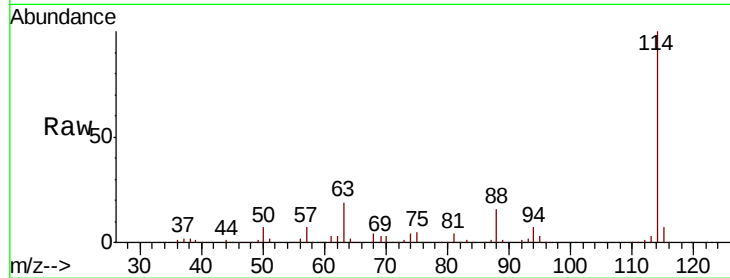




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW007294.D
 Acq: 06 Dec 2018 22:07

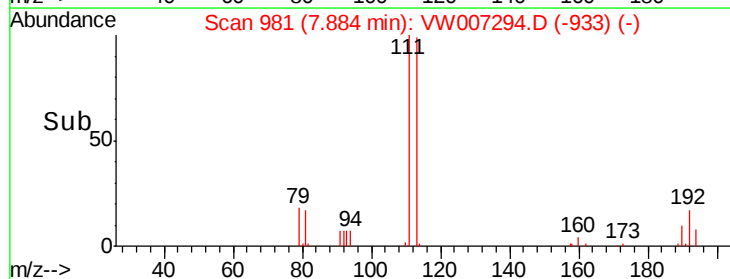
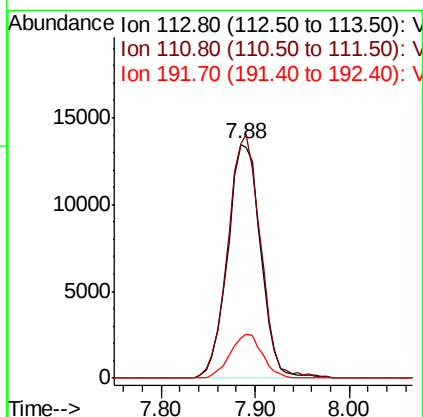
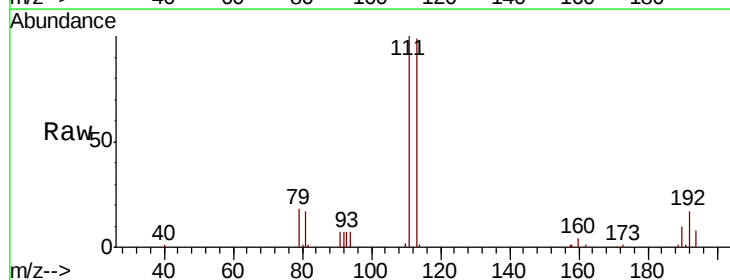
Instrument :
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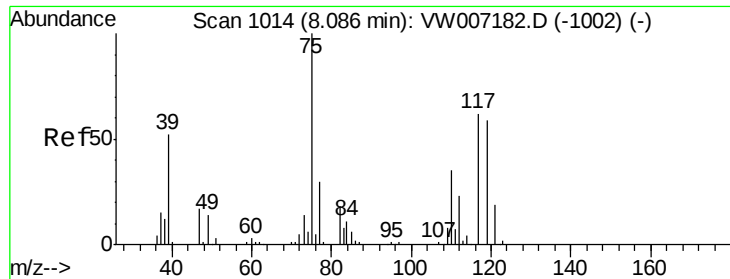
Tot Ion:114 Resp: 155596
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 40.2
 88 15.8 0.0 30.0



#35
 Dibromofluoromethane
 Concen: 36.854 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW007294.D
 Acq: 06 Dec 2018 22:07

Tgt Ion:113 Resp: 32835
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.2 123.4
 192 18.2 14.4 21.6

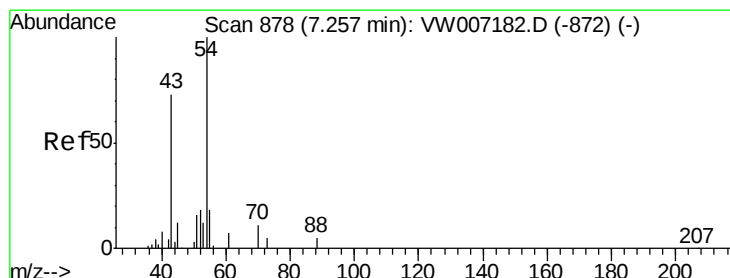
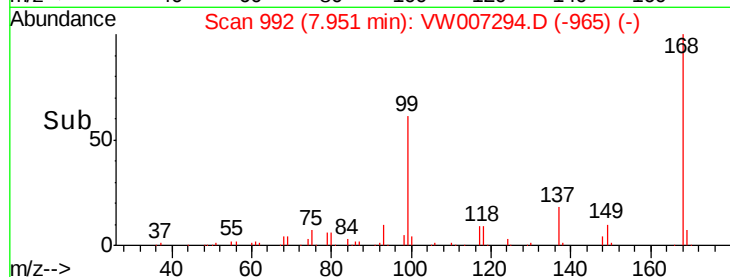
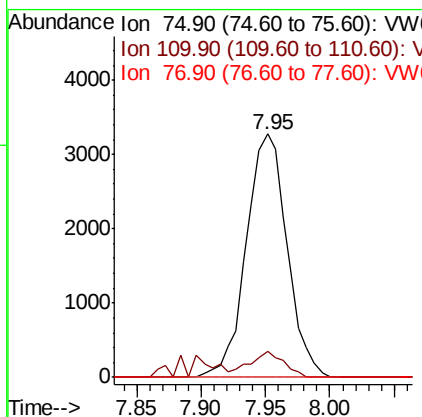
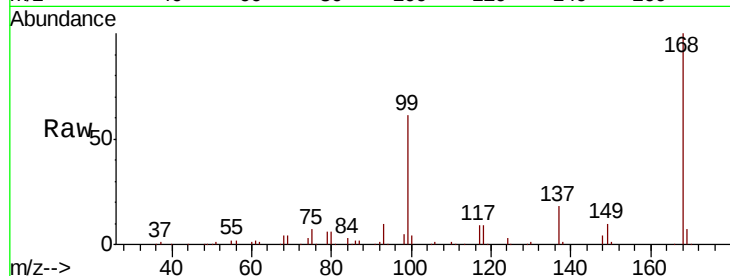




#36
 1,1-Dichloropropene
 Concen: 4.723 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW007294.D
 Acq: 06 Dec 2018 22:07

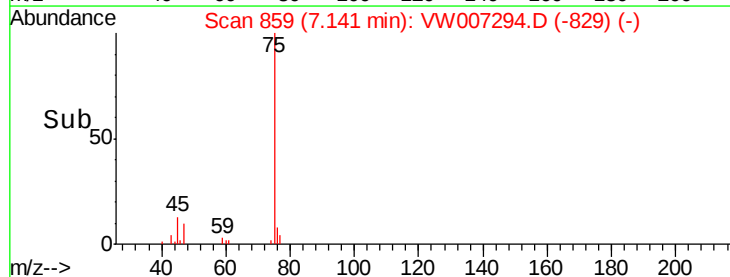
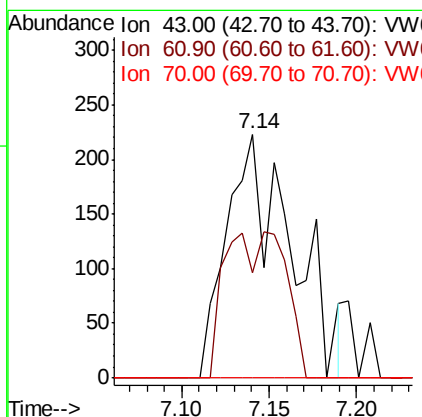
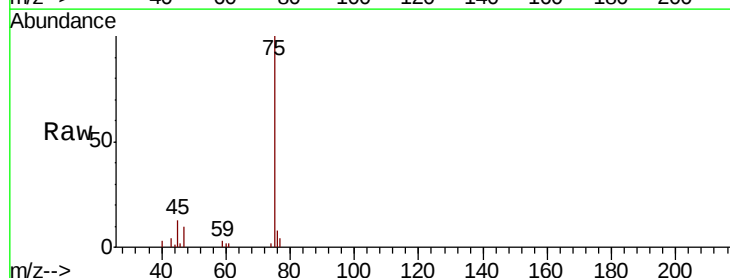
Instrument :
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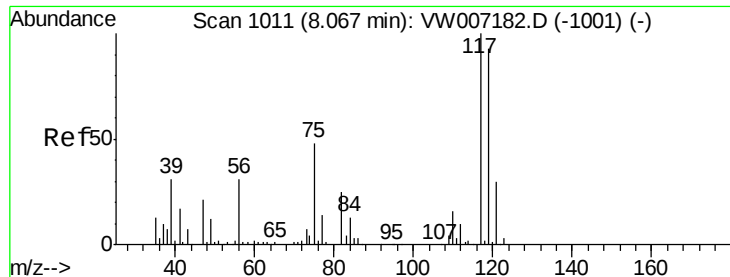
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.1	18.3	54.9#
77	0.0	24.9	37.3#



#37
 Ethyl Acetate
 Concen: 1.054 ug/l
 RT: 7.14 min Scan# 859
 Delta R.T. -0.12 min
 Lab File: VW007294.D
 Acq: 06 Dec 2018 22:07

Tgt Ion	Ratio	Lower	Upper
43	100		
61	28.8	12.1	18.1#
70	0.0	9.1	13.7#

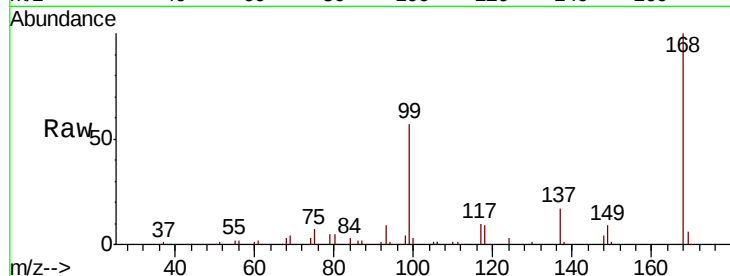




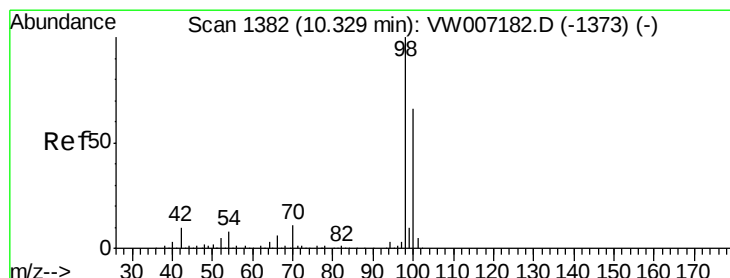
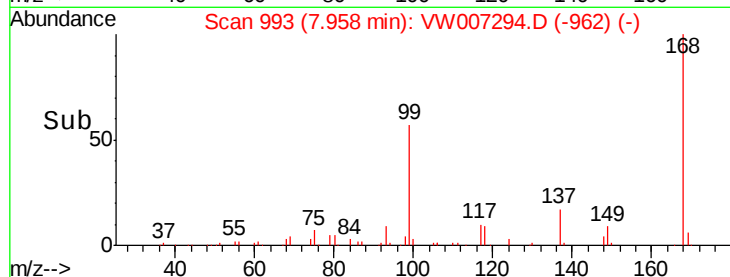
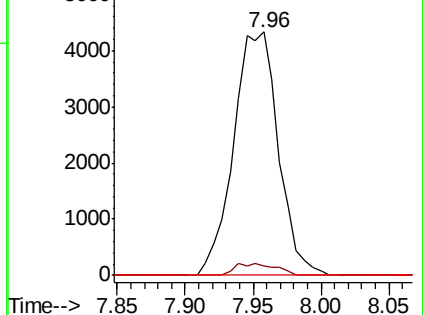
#38
Carbon Tetrachloride
Concen: 6.433 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.11 min
Lab File: VW007294.D
Acq: 06 Dec 2018 22:07

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 9940
Ion Ratio Lower Upper
117 100
119 3.7 74.1 111.1#
121 0.0 23.9 35.9#

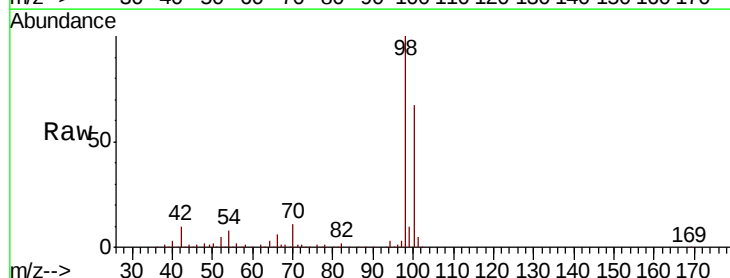


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

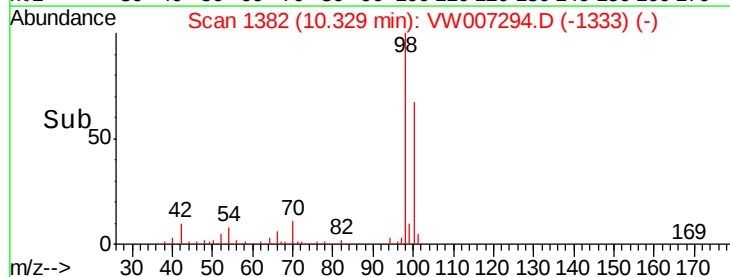
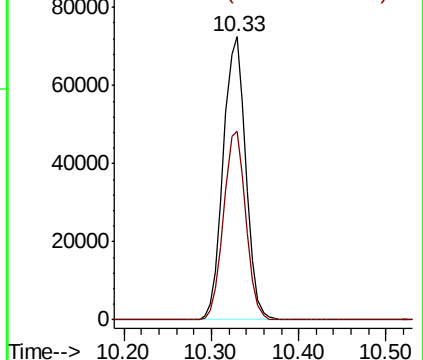


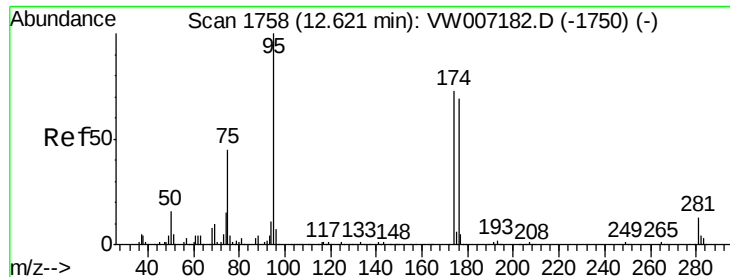
#50
Toluene-d8
Concen: 32.995 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW007294.D
Acq: 06 Dec 2018 22:07

Tgt Ion: 98 Resp: 129493
Ion Ratio Lower Upper
98 100
100 65.7 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

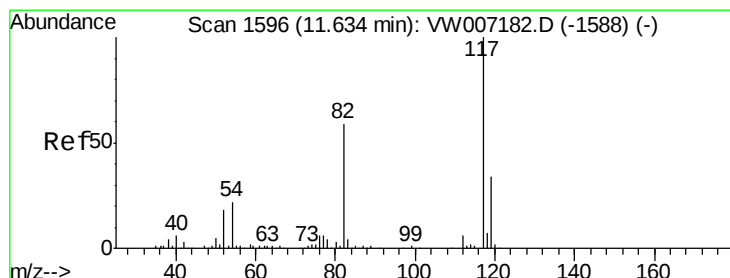
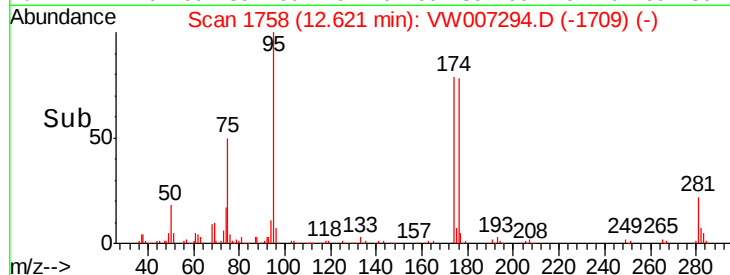
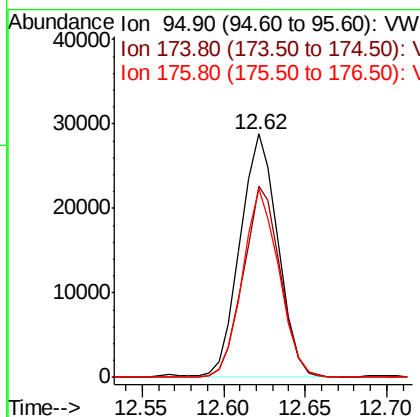
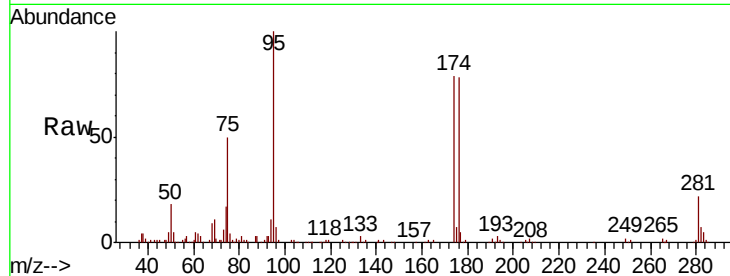




#62
4-Bromofluorobenzene
Concen: 31.197 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW007294.D
Acq: 06 Dec 2018 22:07

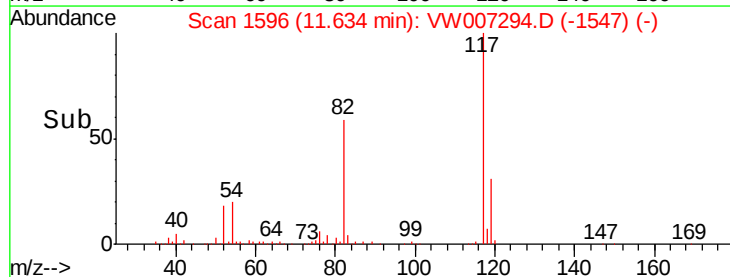
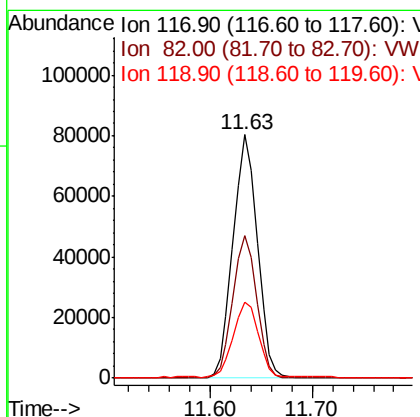
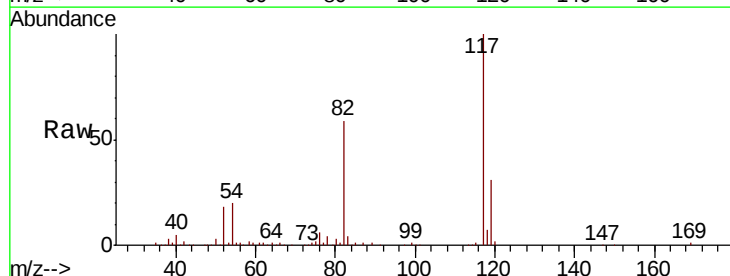
Instrument :
MSVOA_W
ClientSampleId :

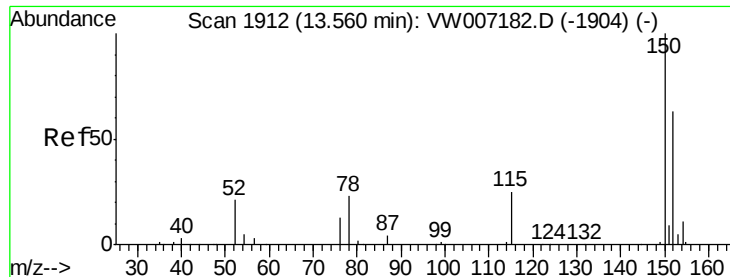
Tot Ion	95	Resp	46213
Ion Ratio	Lower	Upper	
95	100		
174	77.3	0.0	148.0
176	75.4	0.0	139.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007294.D
Acq: 06 Dec 2018 22:07

Tgt Ion	117	Resp	132381
Ion Ratio	Lower	Upper	
117	100		
82	58.6	47.4	71.2
119	31.0	26.8	40.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007294.D

Acq: 06 Dec 2018 22:07

Instrument :

MSVOA_W

ClientSampled :

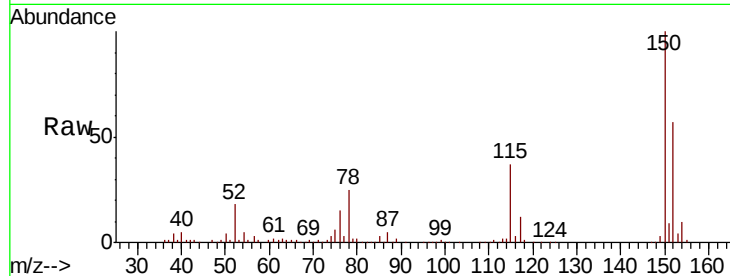
Tot Ion:152 Resp: 58651

Ion Ratio Lower Upper

152 100

115 61.1 31.3 93.8

150 161.3 0.0 358.0

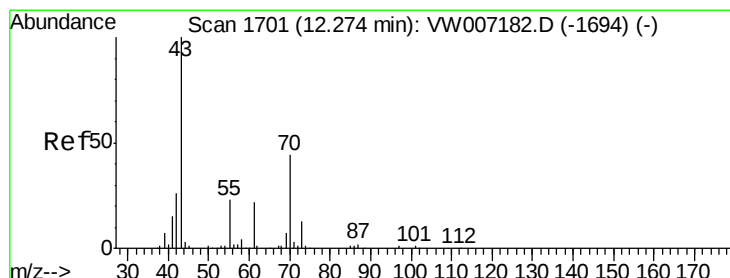
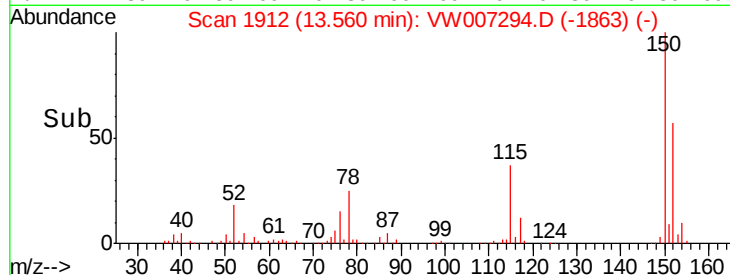
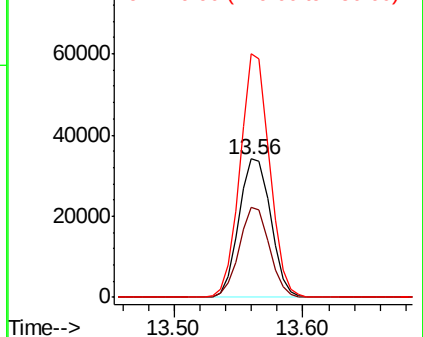


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 1.821 ug/l

RT: 12.26 min Scan# 1698

Delta R.T. -0.02 min

Lab File: VW007294.D

Acq: 06 Dec 2018 22:07

Tgt Ion: 43 Resp: 1540

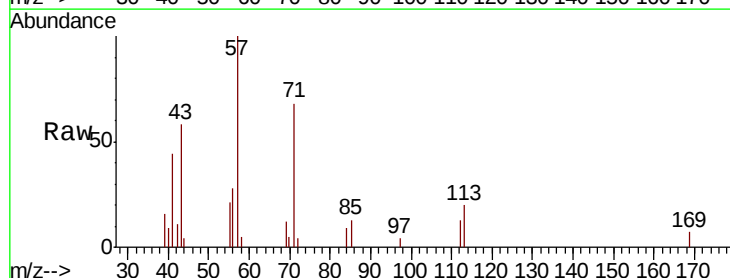
Ion Ratio Lower Upper

43 100

70 11.0 34.0 51.0#

55 45.0 19.0 28.6#

61 0.0 19.7 29.5#



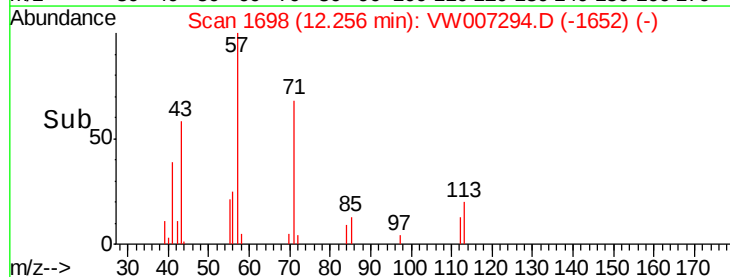
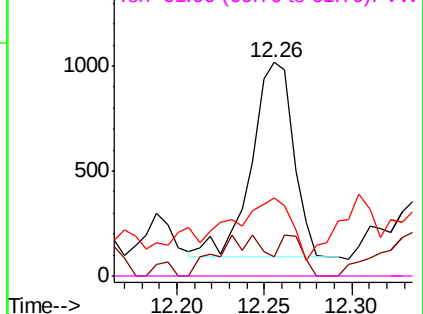
Abundance

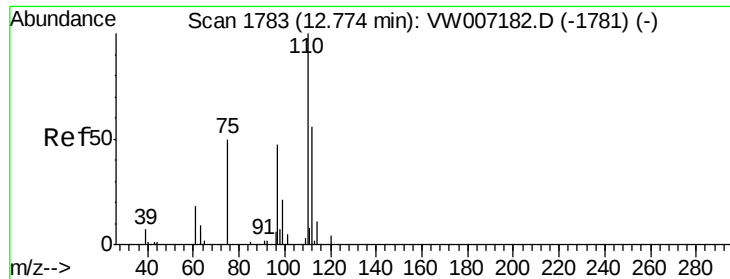
Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#76

1,2,3-Trichloropropane

Concen: 51.286 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007294.D

Acq: 06 Dec 2018 22:07

Instrument :

MSVOA_W

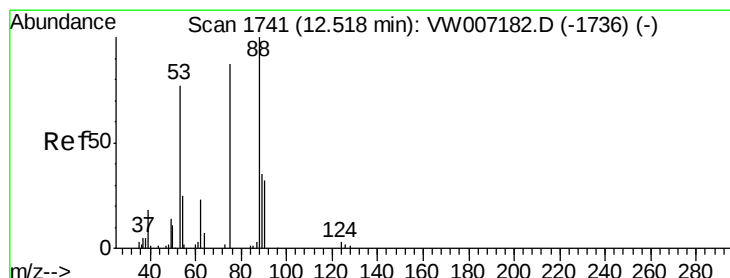
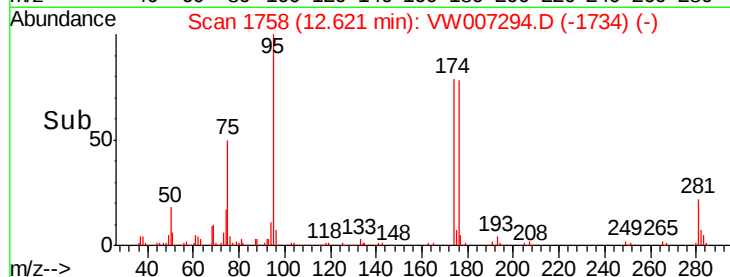
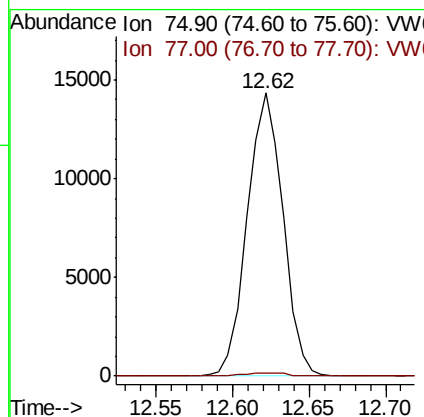
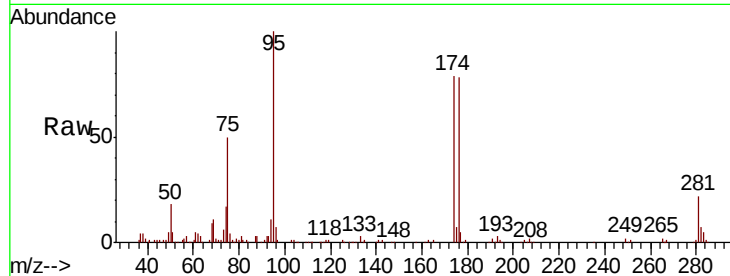
ClientSampleId :

Tot Ion: 75 Resp: 23291

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 110.539 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007294.D

Acq: 06 Dec 2018 22:07

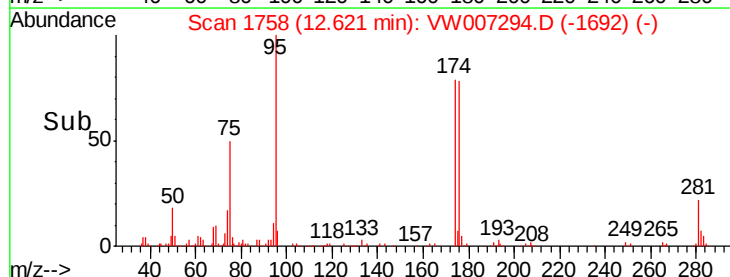
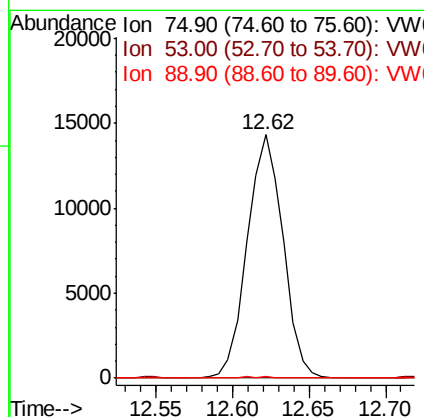
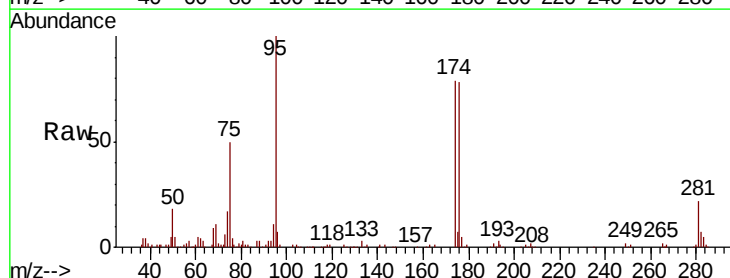
Tgt Ion: 75 Resp: 23291

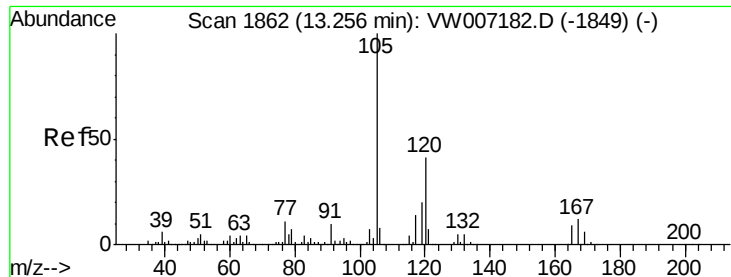
Ion Ratio Lower Upper

75 100

53 0.1 72.8 109.2#

89 0.3 36.4 54.6#

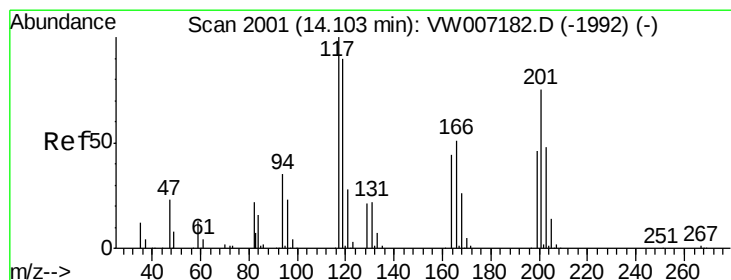
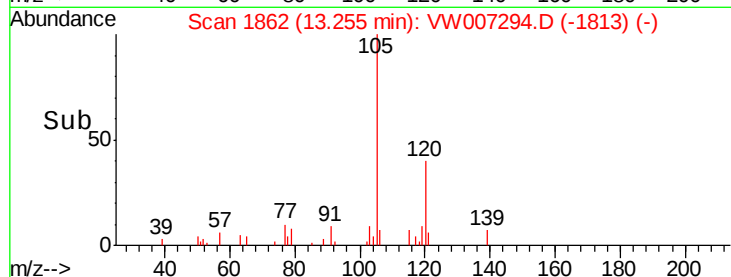
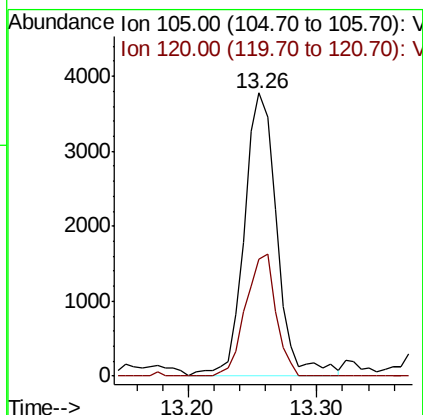
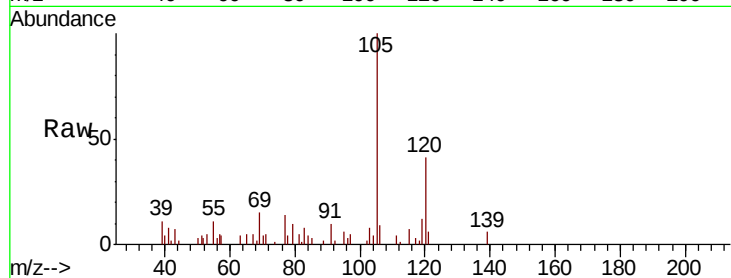




#84
 1,2,4-Trimethylbenzene
 Concen: 1.580 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW007294.D
 Acq: 06 Dec 2018 22:07

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:105 Resp: 6580
 Ion Ratio Lower Upper
 105 100
 120 40.0 21.1 63.3



#90
 Hexachloroethane
 Concen: 1.045 ug/l
 RT: 14.11 min Scan# 2002
 Delta R.T. 0.01 min
 Lab File: VW007294.D
 Acq: 06 Dec 2018 22:07

Tgt Ion:117 Resp: 722
 Ion Ratio Lower Upper
 117 100
 201 0.0 36.0 108.1#

