

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022719\
 Data File : VW008851.D
 Acq On : 27 Feb 2019 13:41
 Operator : SY/VA
 Sample : K1627-03RE
 Misc : 5.51G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

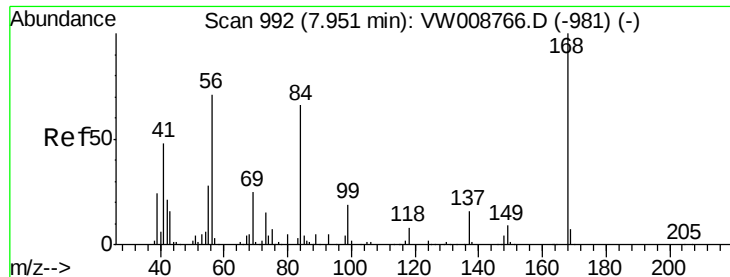
Quant Time: Feb 28 07:01:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	381155	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	592488	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	507929	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	213618	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	206786	57.84	ug/l	0.00
Spiked Amount			Recovery	=	115.68%	
35) Dibromofluoromethane	7.88	113	183690	51.64	ug/l	0.00
Spiked Amount			Recovery	=	103.28%	
50) Toluene-d8	10.32	98	686461	49.99	ug/l	0.00
Spiked Amount			Recovery	=	99.98%	
62) 4-Bromofluorobenzene	12.62	95	226302	42.09	ug/l	0.00
Spiked Amount			Recovery	=	84.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.69	74	2521	1.280	ug/l	92
11) Tert butyl alcohol	5.12	59	41538	130.516	ug/l #	72
13) Acrolein	3.89	56	101	20.057	ug/l #	1
16) Acetone	4.14	43	17735	21.403	ug/l #	85
18) Methyl Acetate	4.68	43	2103	1.070	ug/l	92
20) Methylene Chloride	4.92	84	35761	4.067	ug/l	95
25) 2-Butanone	7.15	43	8362	7.218	ug/l #	78
26) 2,2-Dichloropropane	7.16	77	8257	1.366	ug/l #	54
29) Tetrahydrofuran	7.55	42	2883	3.905	ug/l	99
31) Cyclohexane	7.95	56	8734	1.296	ug/l #	27
36) 1,1-Dichloropropene	7.95	75	28765	4.987	ug/l #	50
37) Ethyl Acetate	7.15	43	8362	3.118	ug/l #	14
38) Carbon Tetrachloride	7.95	117	37582	6.179	ug/l #	16
52) Toluene	10.38	92	16767	1.569	ug/l	93
76) 1,2,3-Trichloropropane	12.62	75	117149	66.422	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	117149	161.478	ug/l #	6

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008851.D

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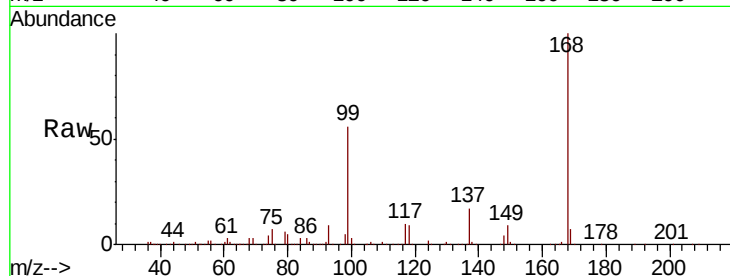
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 381155

Ion Ratio Lower Upper

168 100

99 56.1 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

200000

150000

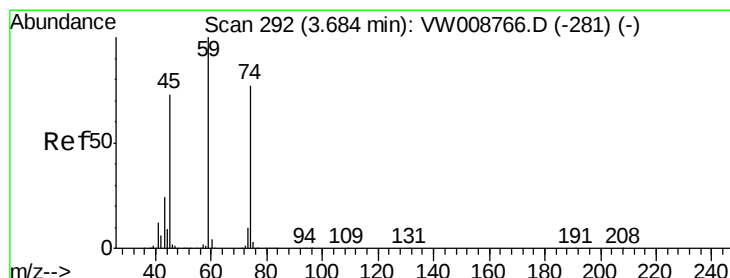
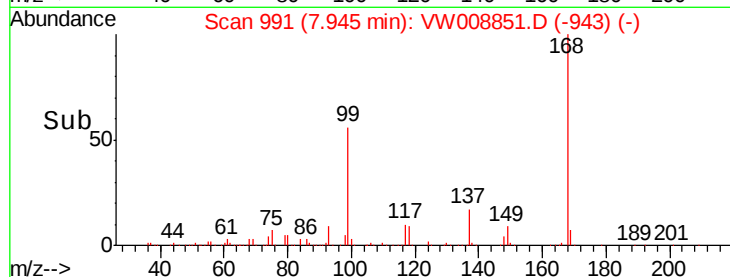
100000

50000

0

7.80 7.90 8.00

Time-->



#8

Diethyl Ether

Concen: 1.280 ug/l

RT: 3.69 min Scan# 293

Delta R.T. 0.01 min

Lab File: VW008851.D

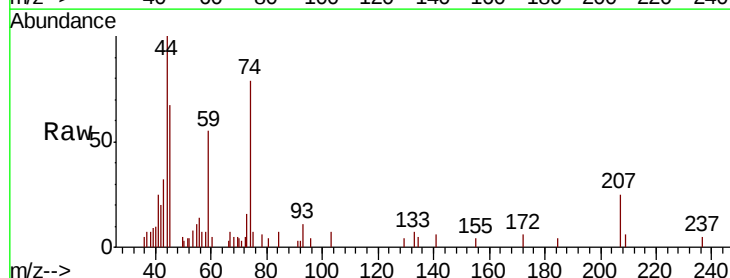
Acq: 27 Feb 2019 13:41

Tgt Ion: 74 Resp: 2521

Ion Ratio Lower Upper

74 100

45 108.1 50.2 150.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

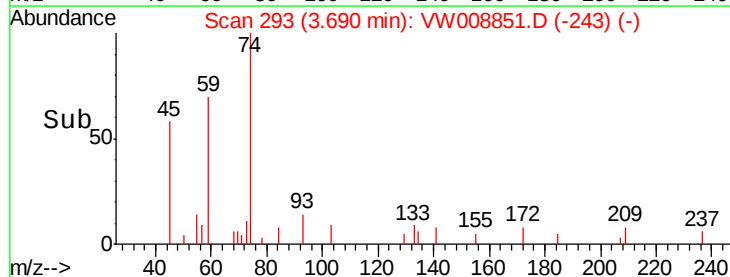
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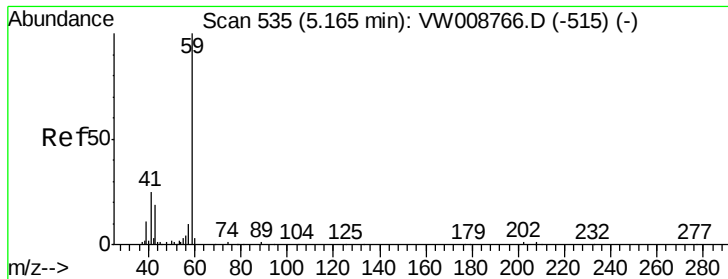
500

0

3.60 3.65 3.70 3.75

Time-->

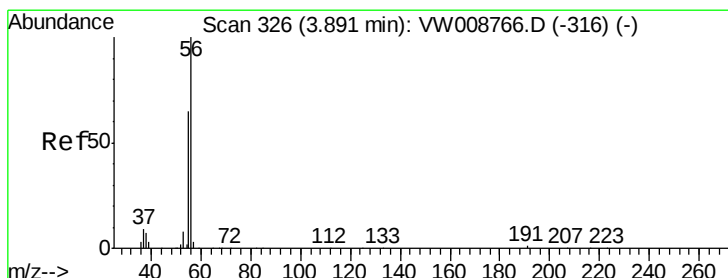
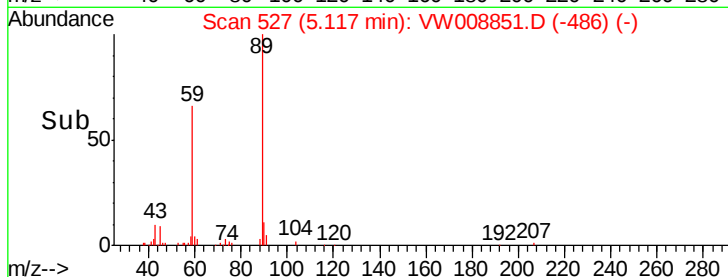
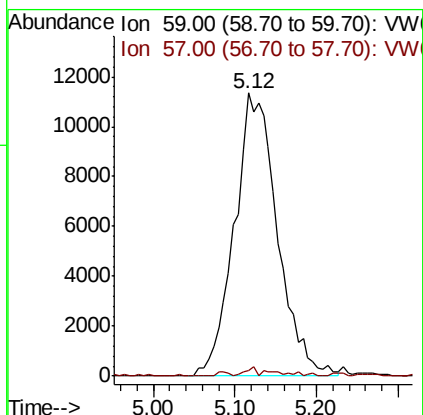
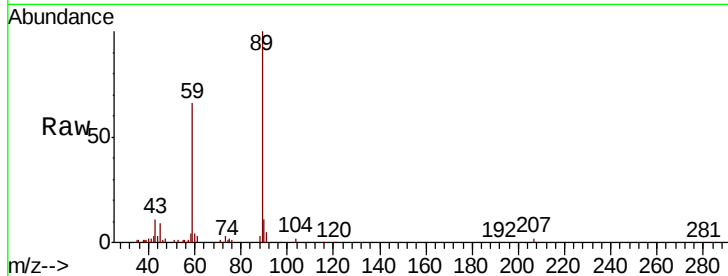




#11
Tert butyl alcohol
Concen: 130.516 ug/l
RT: 5.12 min Scan# 527
Delta R.T. -0.05 min
Lab File: VW008851.D
Acq: 27 Feb 2019 13:41

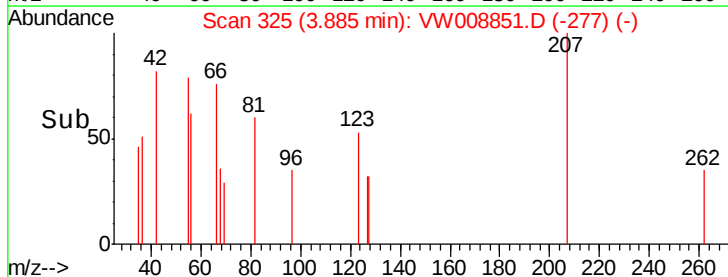
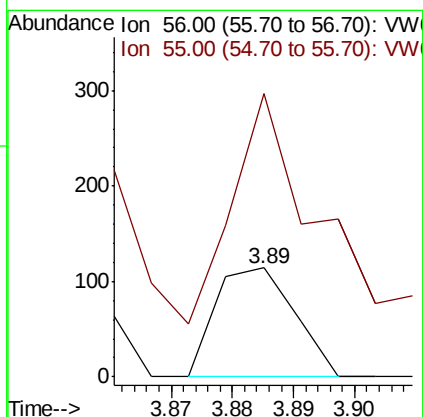
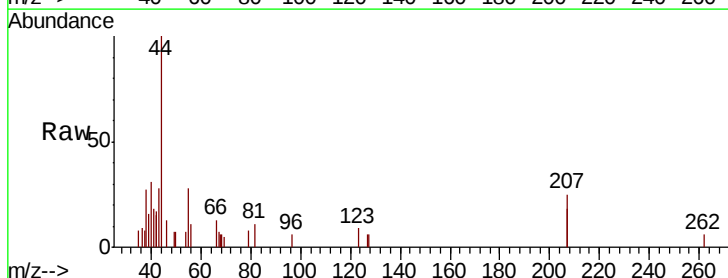
Instrument :
MSVOA_W
ClientSampled :

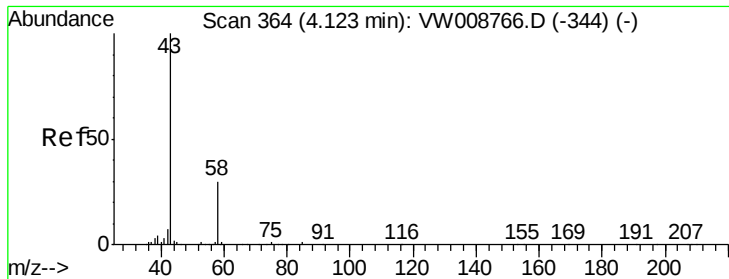
Tot Ion: 59 Resp: 41538
Ion Ratio Lower Upper
59 100
57 0.7 9.3 13.9#



#13
Acrolein
Concen: 20.057 ug/l
RT: 3.89 min Scan# 325
Delta R.T. -0.01 min
Lab File: VW008851.D
Acq: 27 Feb 2019 13:41

Tgt Ion: 56 Resp: 101
Ion Ratio Lower Upper
56 100
55 209.9 56.9 85.3#

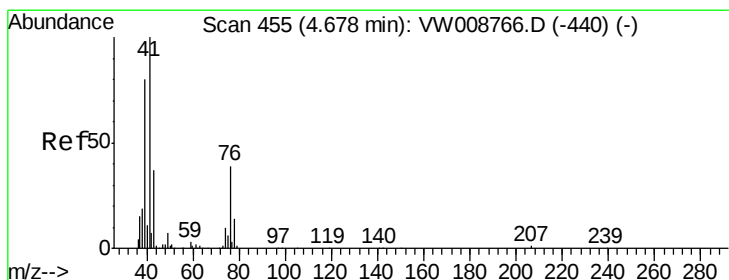
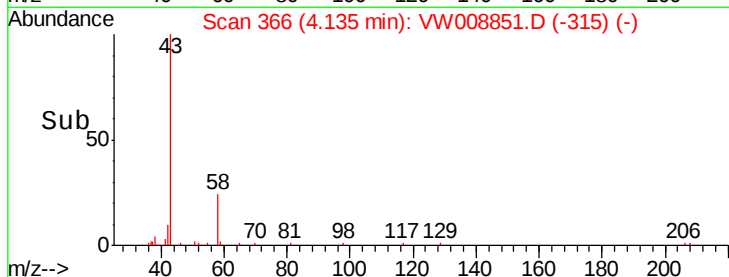
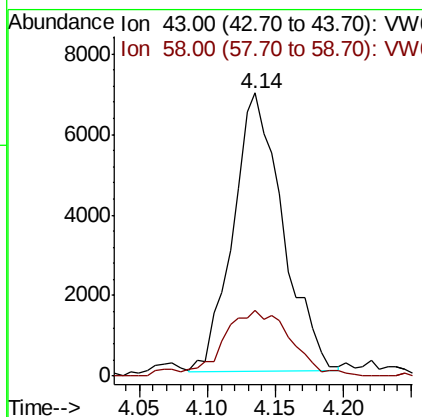
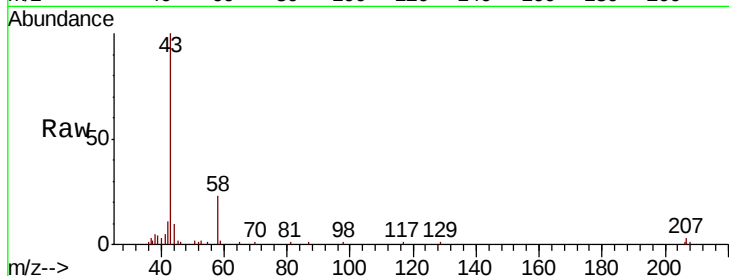




#16
Acetone
Concen: 21.403 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.01 min
Lab File: VW008851.D
Acq: 27 Feb 2019 13:41

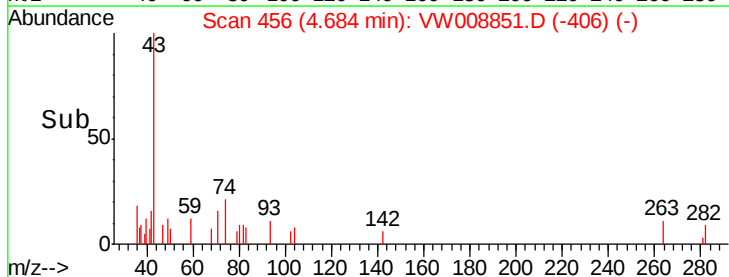
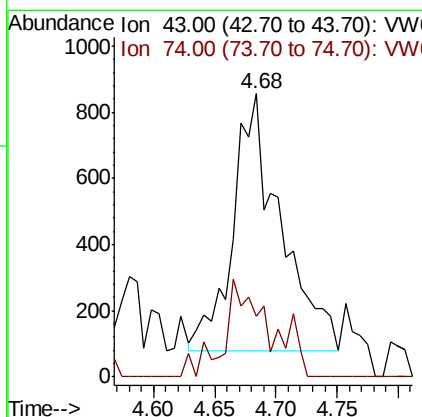
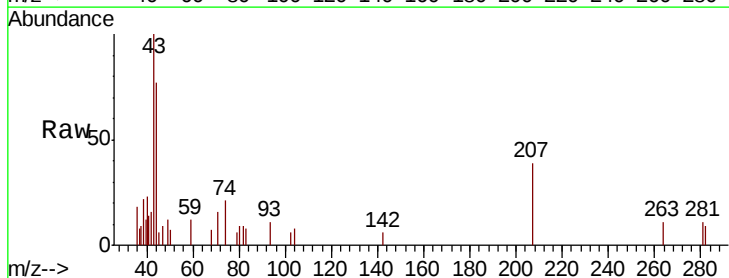
Instrument :
MSVOA_W
ClientSampled :

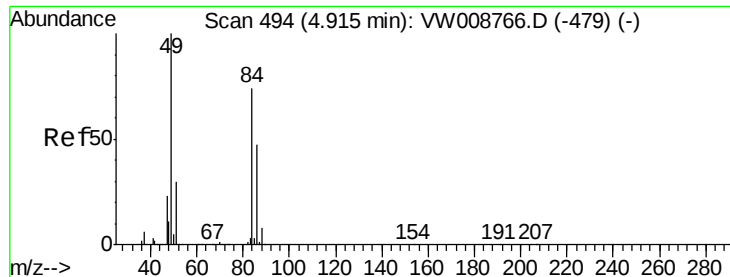
Tot Ion: 43 Resp: 17735
Ion Ratio Lower Upper
43 100
58 21.6 23.8 35.6#



#18
Methyl Acetate
Concen: 1.070 ug/l
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW008851.D
Acq: 27 Feb 2019 13:41

Tgt Ion: 43 Resp: 2103
Ion Ratio Lower Upper
43 100
74 20.4 19.4 29.2

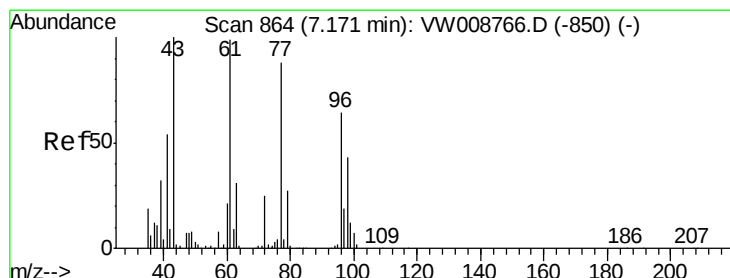
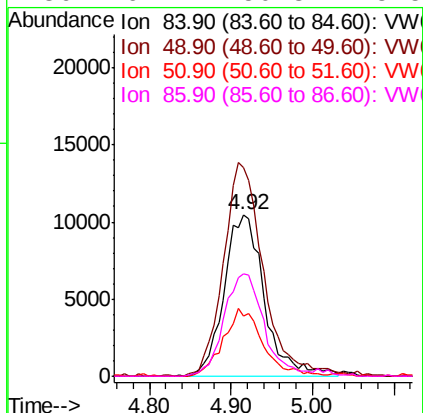
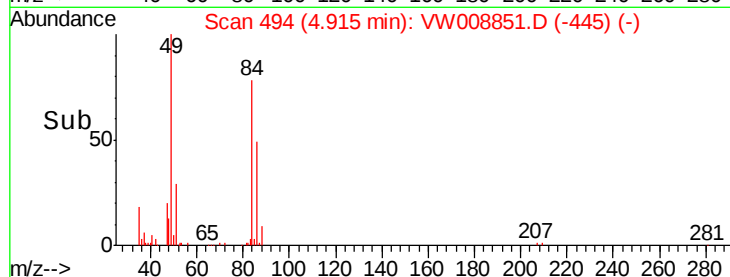
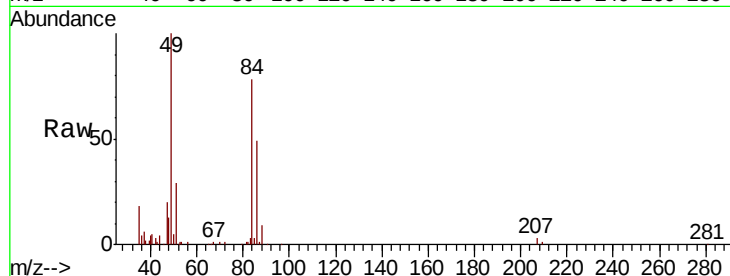




#20
Methvlene Chloride
Concen: 4.067 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW008851.D
Acq: 27 Feb 2019 13:41

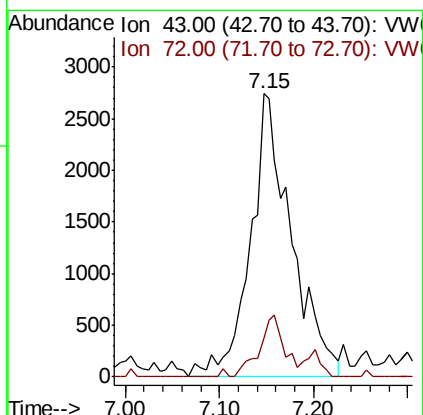
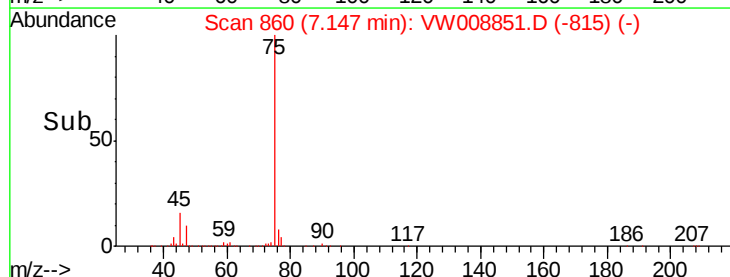
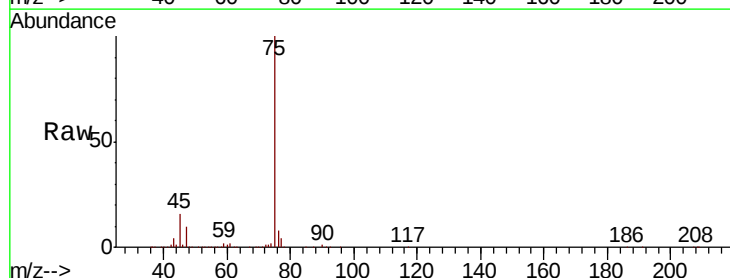
Instrument :
MSVOA_W
ClientSampleId :

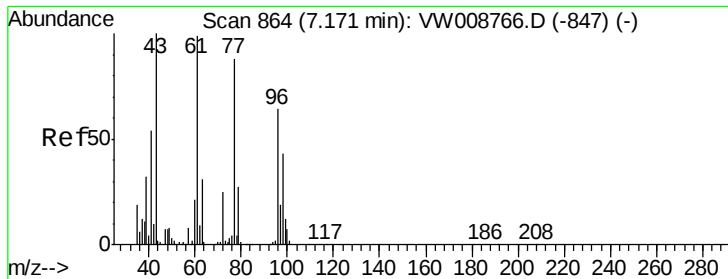
Tot Ion: 84 Resp: 35761
Ion Ratio Lower Upper
84 100
49 127.2 108.2 162.2
51 37.5 32.7 49.1
86 62.7 50.3 75.5



#25
2-Butanone
Concen: 7.218 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.02 min
Lab File: VW008851.D
Acq: 27 Feb 2019 13:41

Tgt Ion: 43 Resp: 8362
Ion Ratio Lower Upper
43 100
72 13.7 19.7 29.5#





#26

2,2-Dichloropropane

Concen: 1.366 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW008851.D

Acq: 27 Feb 2019 13:41

Instrument :

MSVOA_W

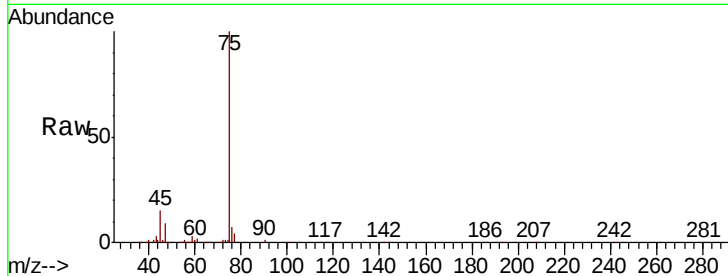
ClientSampled :

Tot Ion: 77 Resp: 8257

Ion Ratio Lower Upper

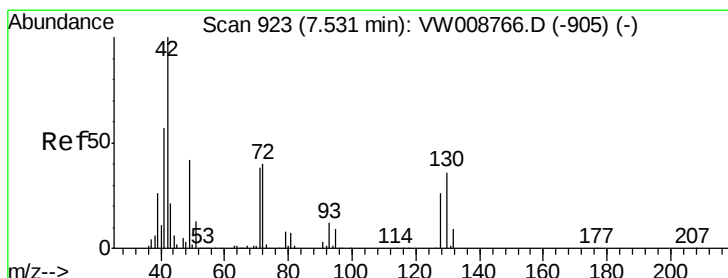
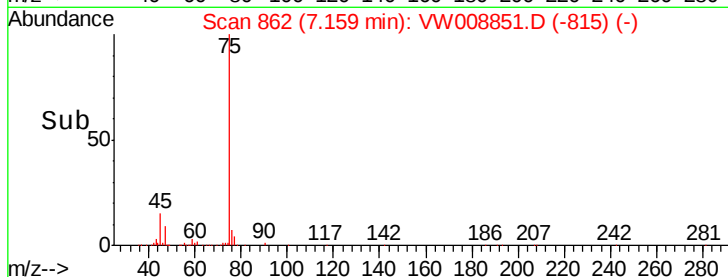
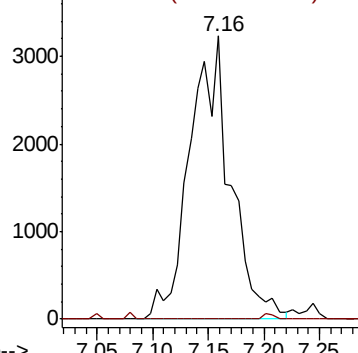
77 100

97 0.0 11.0 33.0#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



#29

Tetrahydrofuran

Concen: 3.905 ug/l

RT: 7.55 min Scan# 926

Delta R.T. 0.02 min

Lab File: VW008851.D

Acq: 27 Feb 2019 13:41

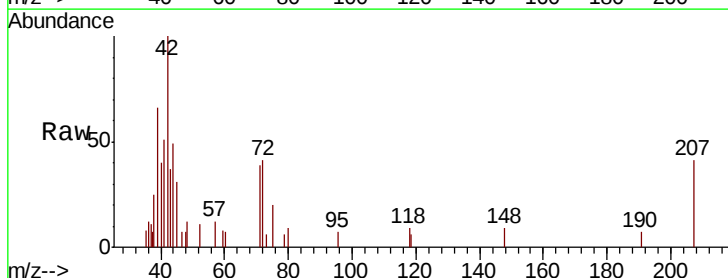
Tgt Ion: 42 Resp: 2883

Ion Ratio Lower Upper

42 100

72 40.1 32.7 49.1

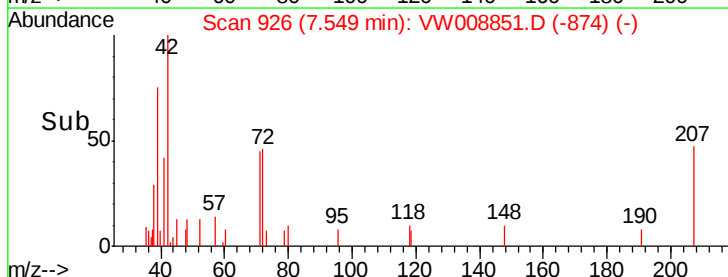
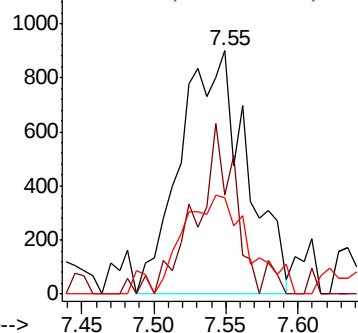
71 39.9 31.3 46.9

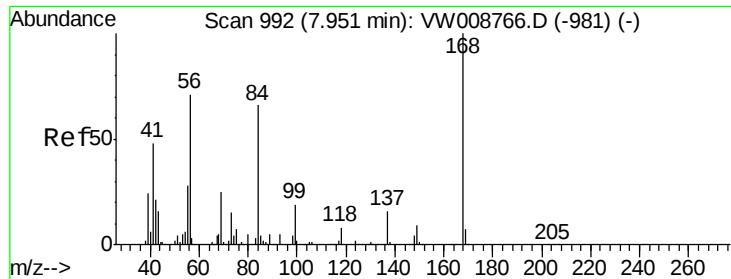


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

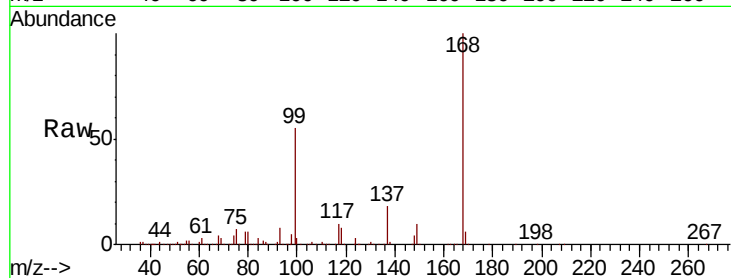




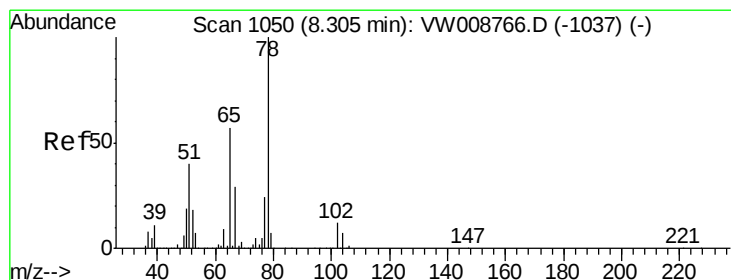
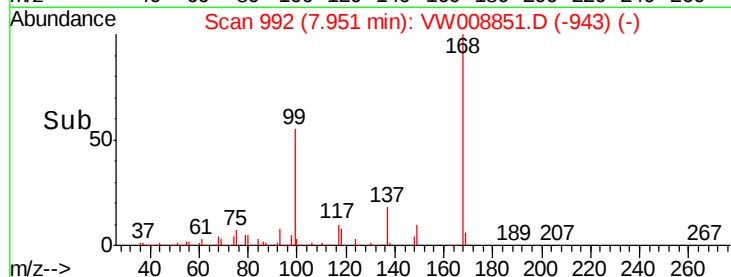
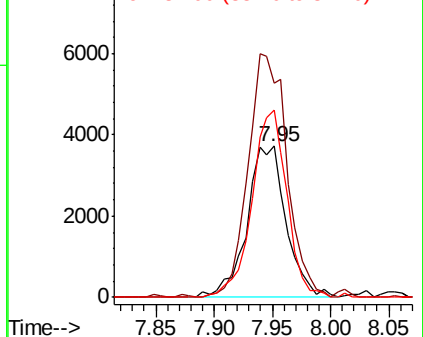
#31
Cyclohexane
Concen: 1.296 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW008851.D
Acq: 27 Feb 2019 13:41

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 8734
Ion Ratio Lower Upper
56 100
69 140.0 28.2 42.4#
84 123.8 74.1 111.1#

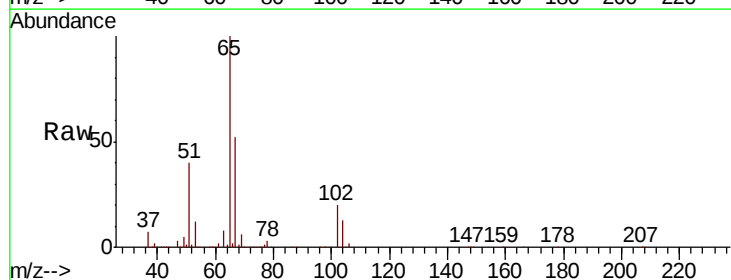


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

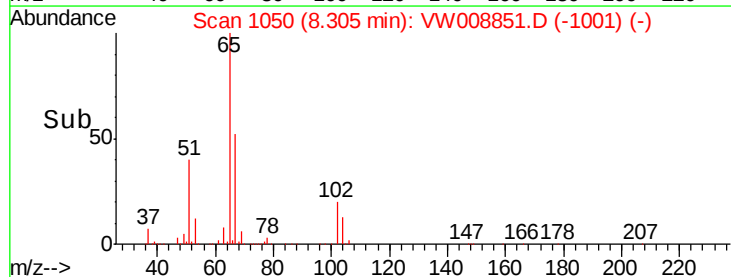
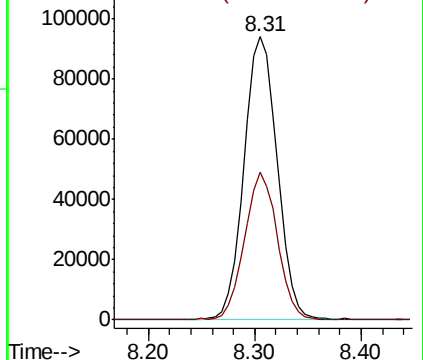


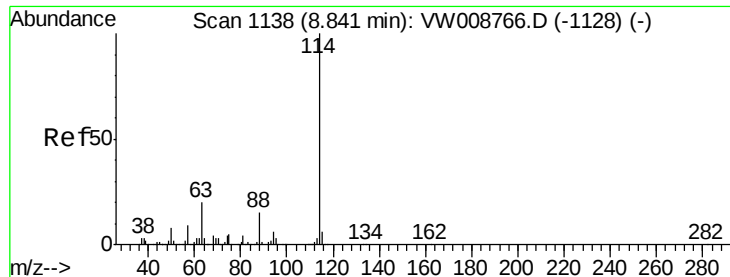
#33
1,2-Dichloroethane-d4
Concen: 57.844 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW008851.D
Acq: 27 Feb 2019 13:41

Tgt Ion: 65 Resp: 206786
Ion Ratio Lower Upper
65 100
67 51.8 0.0 101.4



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

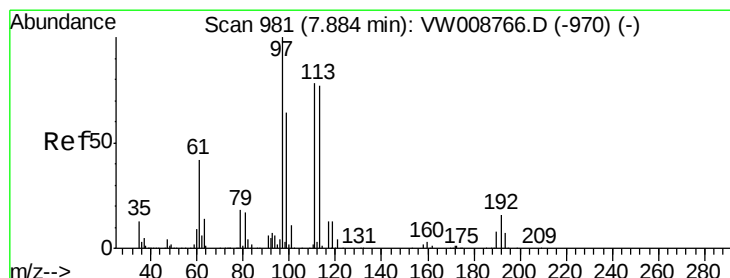
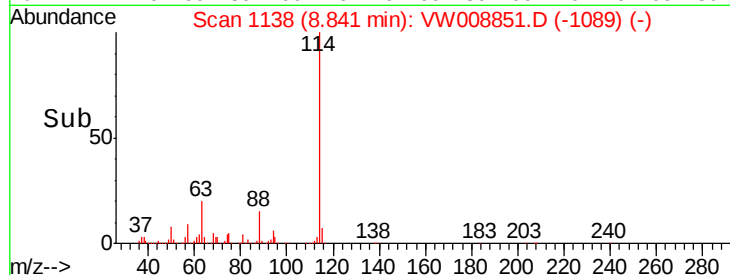
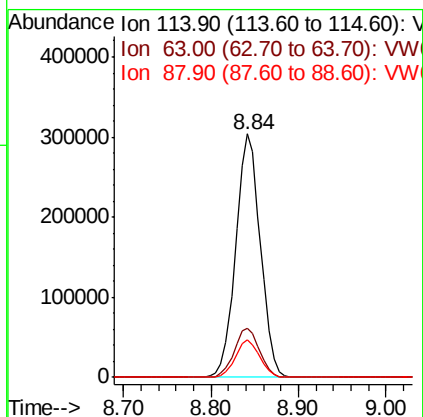
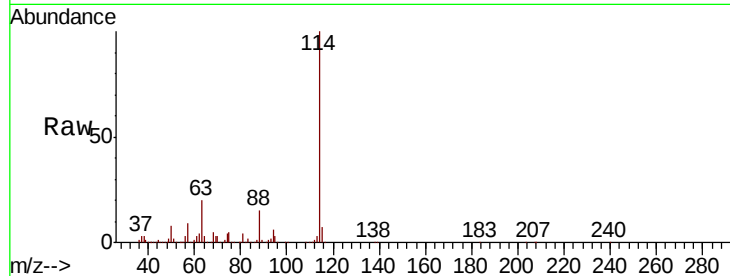




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008851.D
 Acq: 27 Feb 2019 13:41

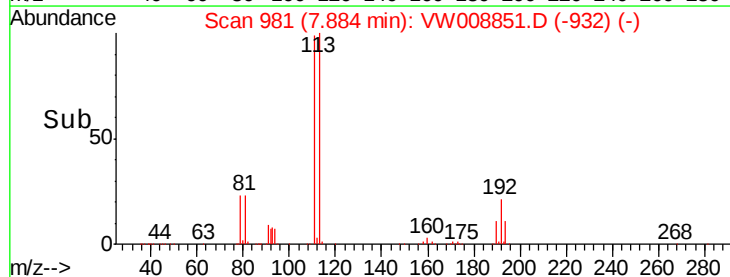
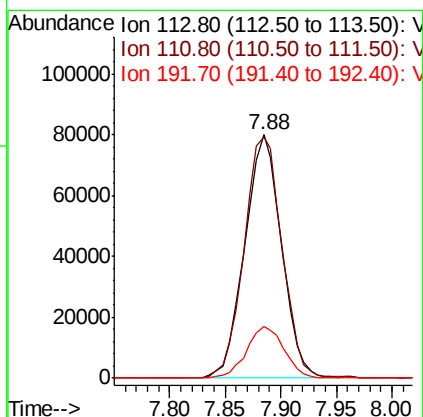
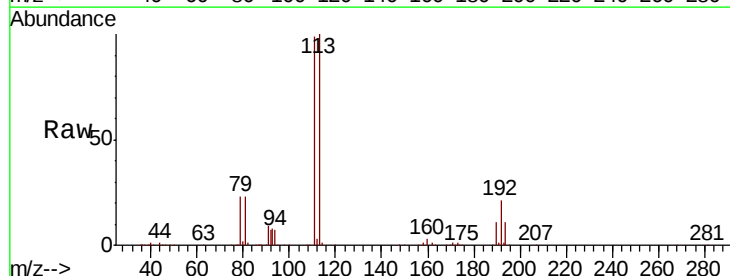
Instrument :
 MSVOA_W
 ClientSampleId :

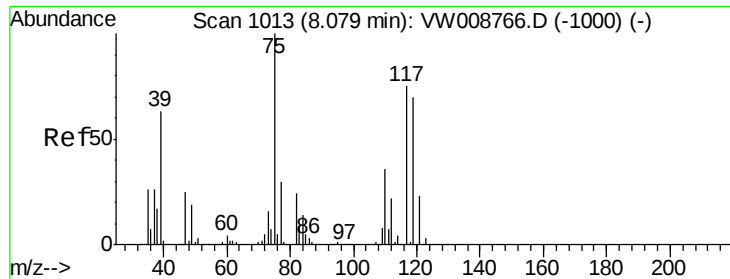
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	40.8
88	15.3	0.0	30.4



#35
 Dibromofluoromethane
 Concen: 51.637 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008851.D
 Acq: 27 Feb 2019 13:41

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.9	122.9
192	21.6	17.1	25.7





#36

1,1-Dichloropropene

Concen: 4.987 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW008851.D

Acq: 27 Feb 2019 13:41

Instrument :
MSVOA_W
ClientSampleId :

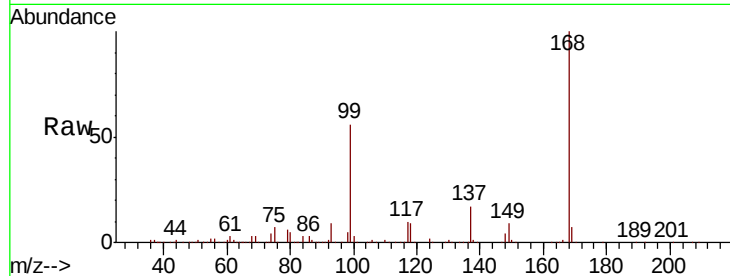
Tot Ion: 75 Resp: 28765

Ion Ratio Lower Upper

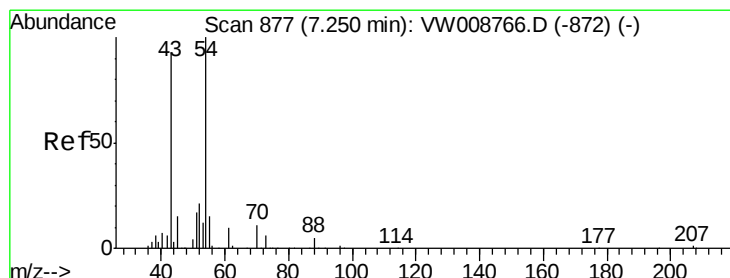
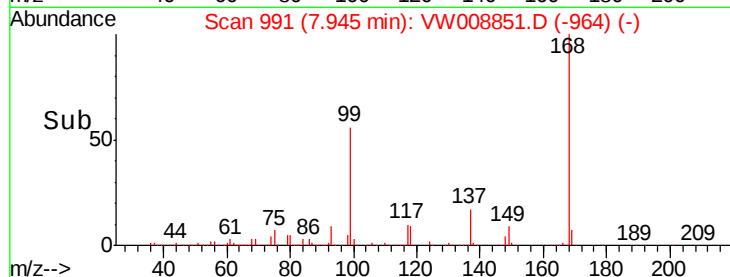
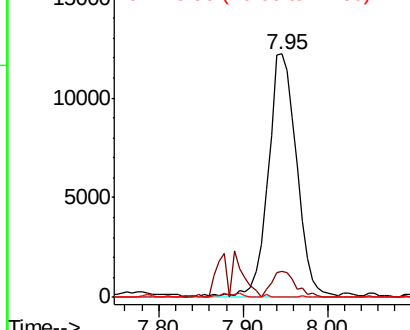
75 100

110 9.0 17.5 52.6#

77 0.0 24.5 36.7#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): VW
Ion 76.90 (76.60 to 77.60): VW



#37

Ethyl Acetate

Concen: 3.118 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.10 min

Lab File: VW008851.D

Acq: 27 Feb 2019 13:41

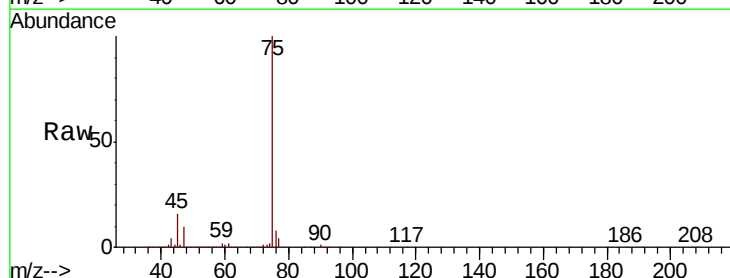
Tgt Ion: 43 Resp: 8362

Ion Ratio Lower Upper

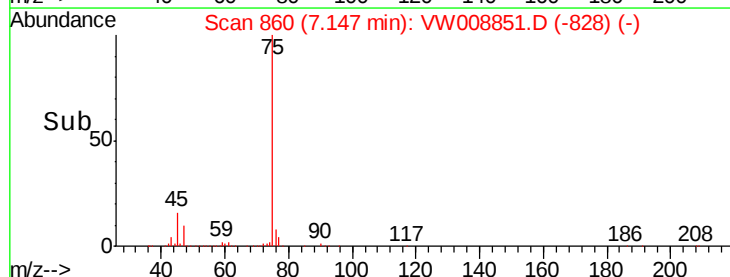
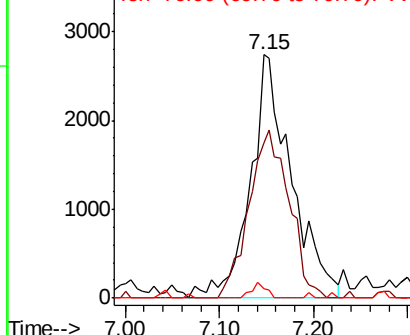
43 100

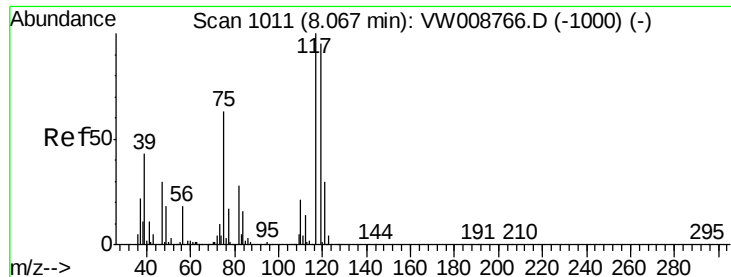
61 67.5 9.8 14.8#

70 2.2 8.4 12.6#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW





#38

Carbon Tetrachloride

Concen: 6.179 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW008851.D

Acq: 27 Feb 2019 13:41

Instrument :

MSVOA_W

ClientSampleId :

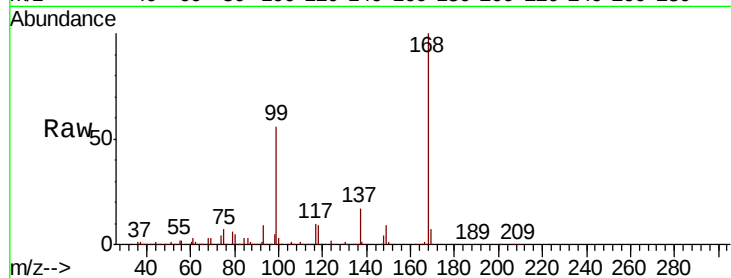
Tot Ion:117 Resp: 37582

Ion Ratio Lower Upper

117 100

119 4.2 76.1 114.1#

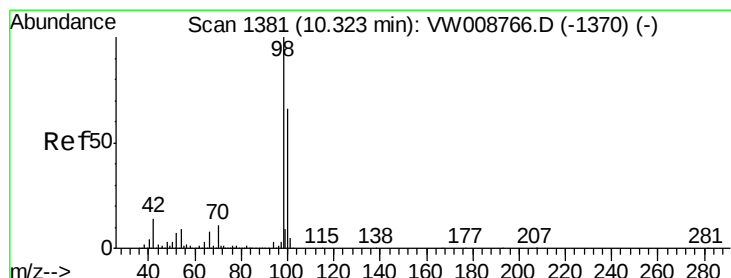
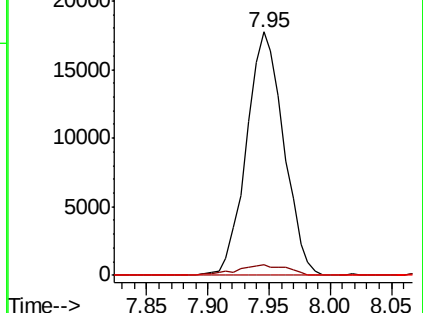
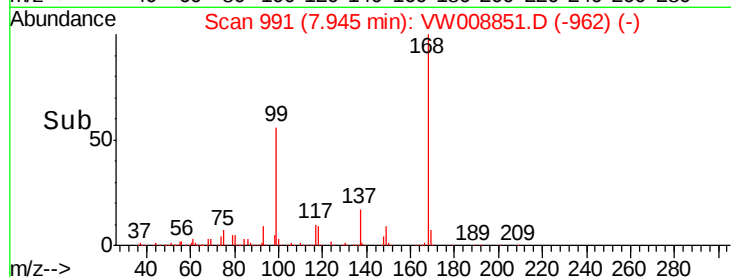
121 0.0 24.0 36.0#



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: 49.988 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008851.D

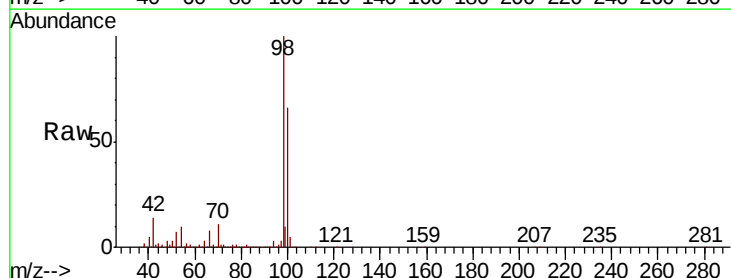
Acq: 27 Feb 2019 13:41

Tgt Ion: 98 Resp: 686461

Ion Ratio Lower Upper

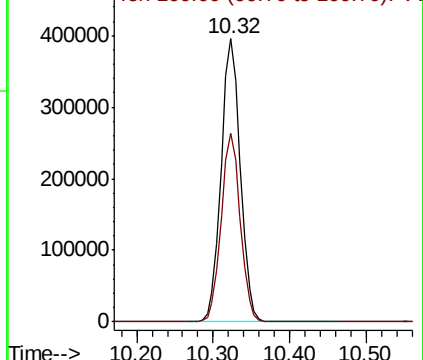
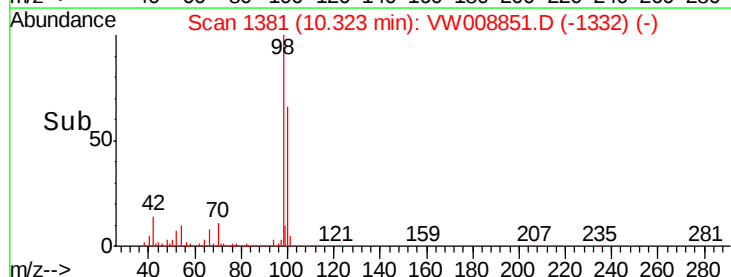
98 100

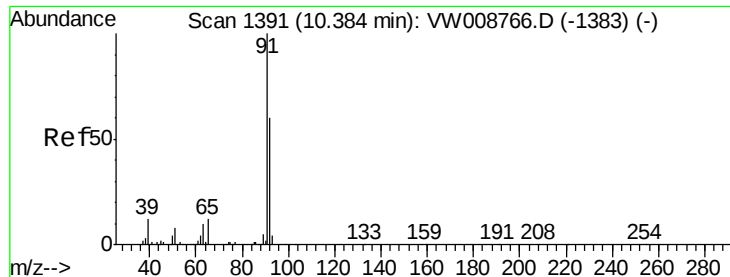
100 65.9 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 1.569 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW008851.D

Acq: 27 Feb 2019 13:41

Instrument :

MSVOA_W

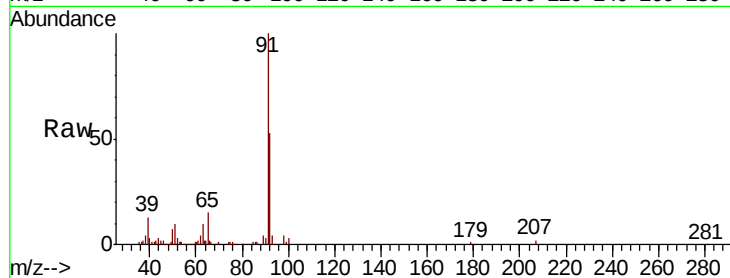
ClientSampled :

Tot Ion: 92 Resp: 16767

Ion Ratio Lower Upper

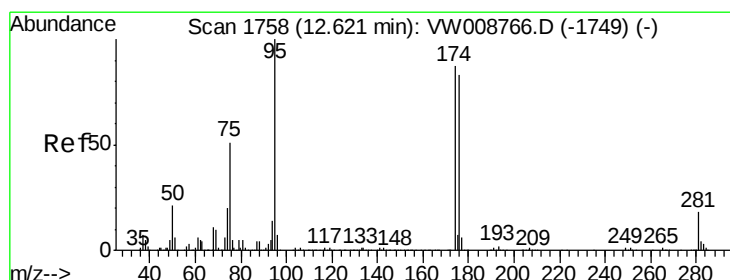
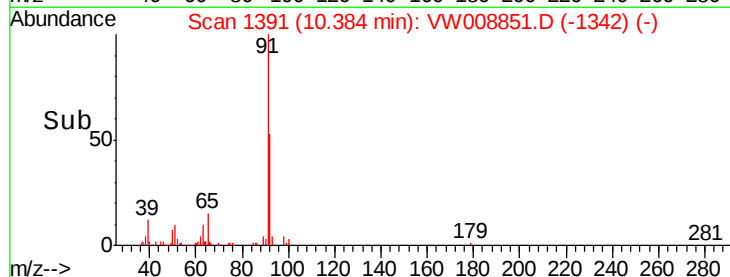
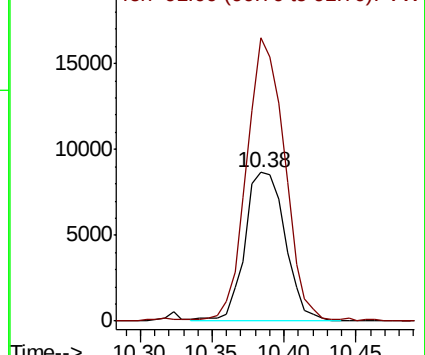
92 100

91 180.8 136.9 205.3



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW



#62

4-Bromofluorobenzene

Concen: 42.088 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008851.D

Acq: 27 Feb 2019 13:41

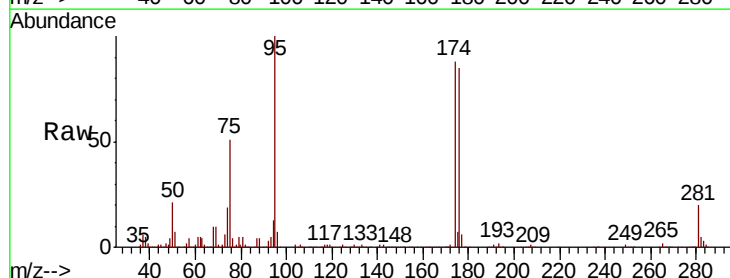
Tgt Ion: 95 Resp: 226302

Ion Ratio Lower Upper

95 100

174 85.0 0.0 169.2

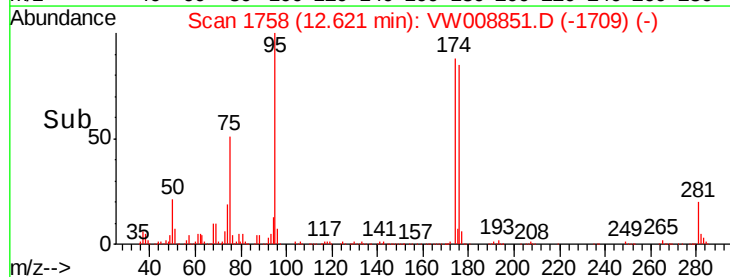
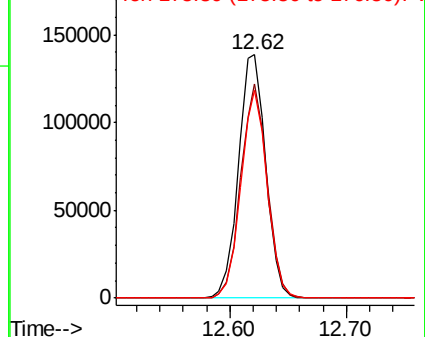
176 82.3 0.0 163.6

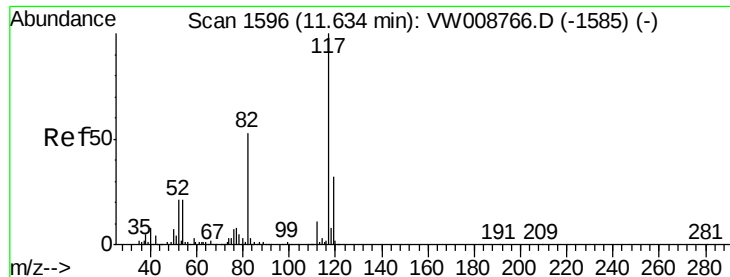


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

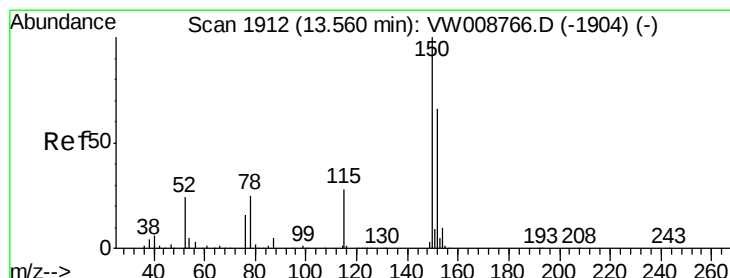
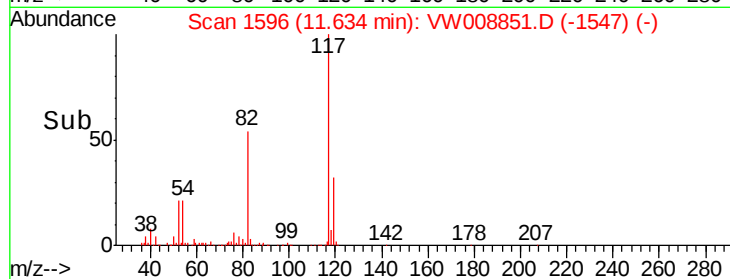
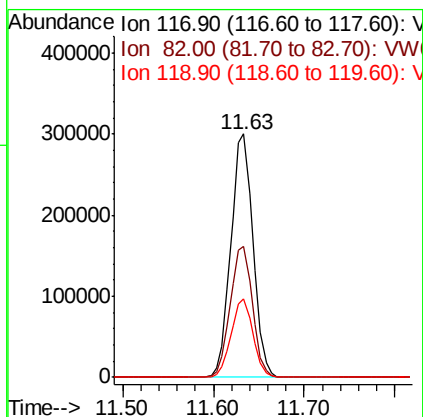
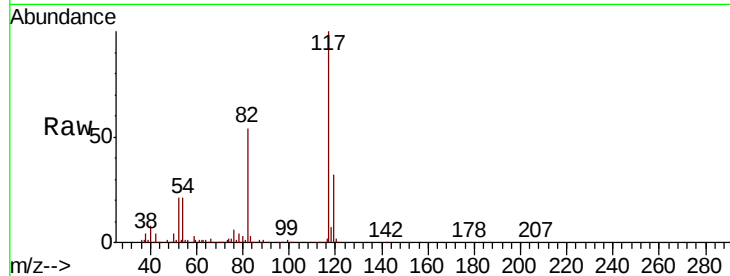




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008851.D
Acq: 27 Feb 2019 13:41

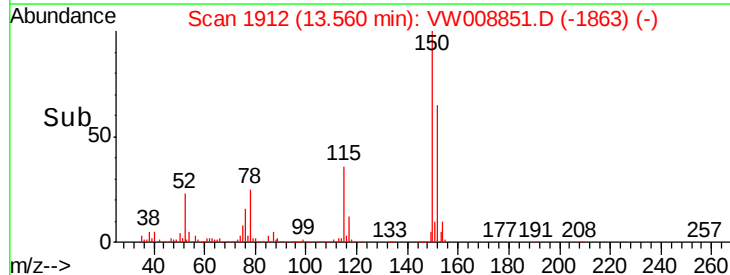
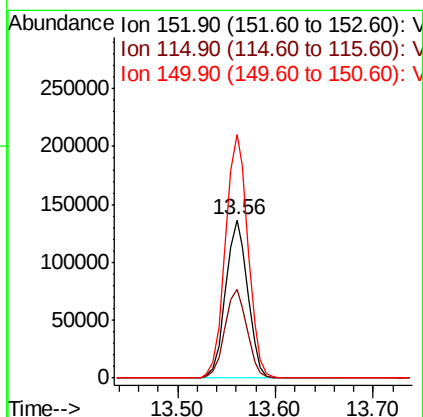
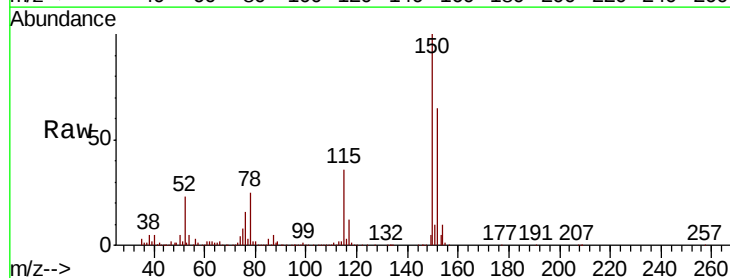
Instrument :
MSVOA_W
ClientSampleId :

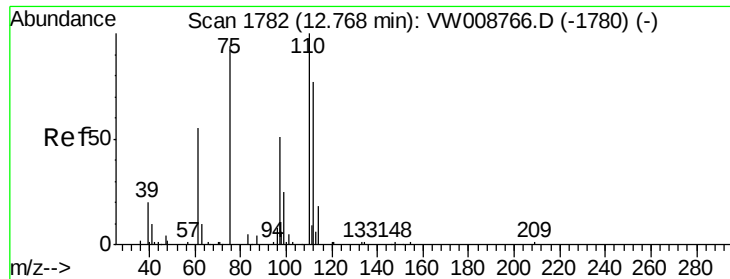
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.7	42.2	63.4
119	32.5	25.9	38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008851.D
Acq: 27 Feb 2019 13:41

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.0	28.6	85.8
150	156.9	0.0	348.0



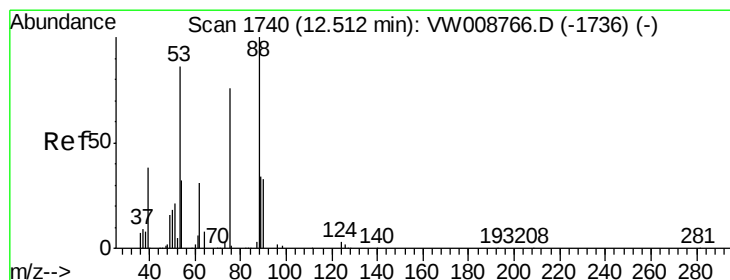
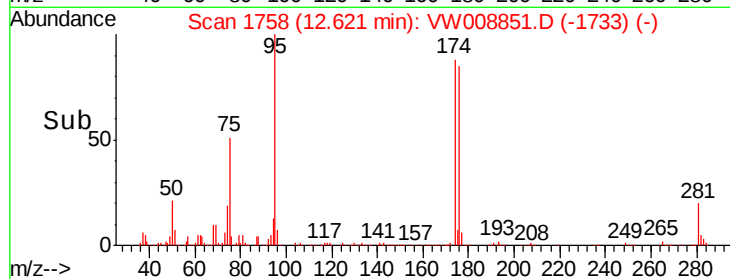
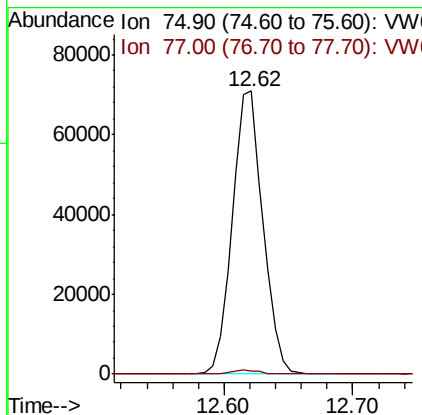
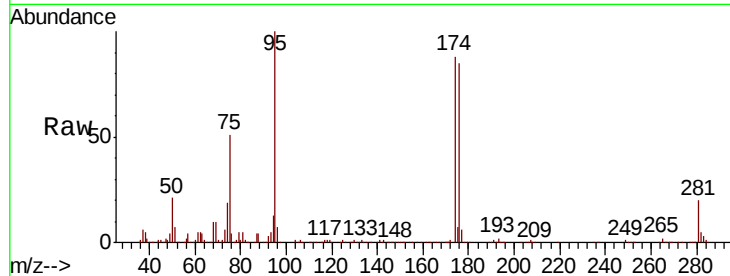


#76

1,2,3-Trichloropropane
Concen: 66.422 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW008851.D
Acq: 27 Feb 2019 13:41

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 75 Resp: 117149
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene
Concen: 161.478 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.11 min
Lab File: VW008851.D
Acq: 27 Feb 2019 13:41

Tgt Ion: 75 Resp: 117149
Ion Ratio Lower Upper
75 100
53 0.3 88.2 132.2#
89 0.1 39.5 59.3#

