

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030519\
 Data File : VW008999.D
 Acq On : 05 Mar 2019 16:23
 Operator : SY/VA
 Sample : K1675-41RE
 Misc : 4.91G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 06 06:51:14 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	314966	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	494185	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	439429	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	203288	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	180999	61.27	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	122.54%	
35) Dibromofluoromethane	7.88	113	148423	50.02	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.04%	
50) Toluene-d8	10.32	98	589147	51.44	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.88%	
62) 4-Bromofluorobenzene	12.62	95	198364	44.23	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	88.46%	

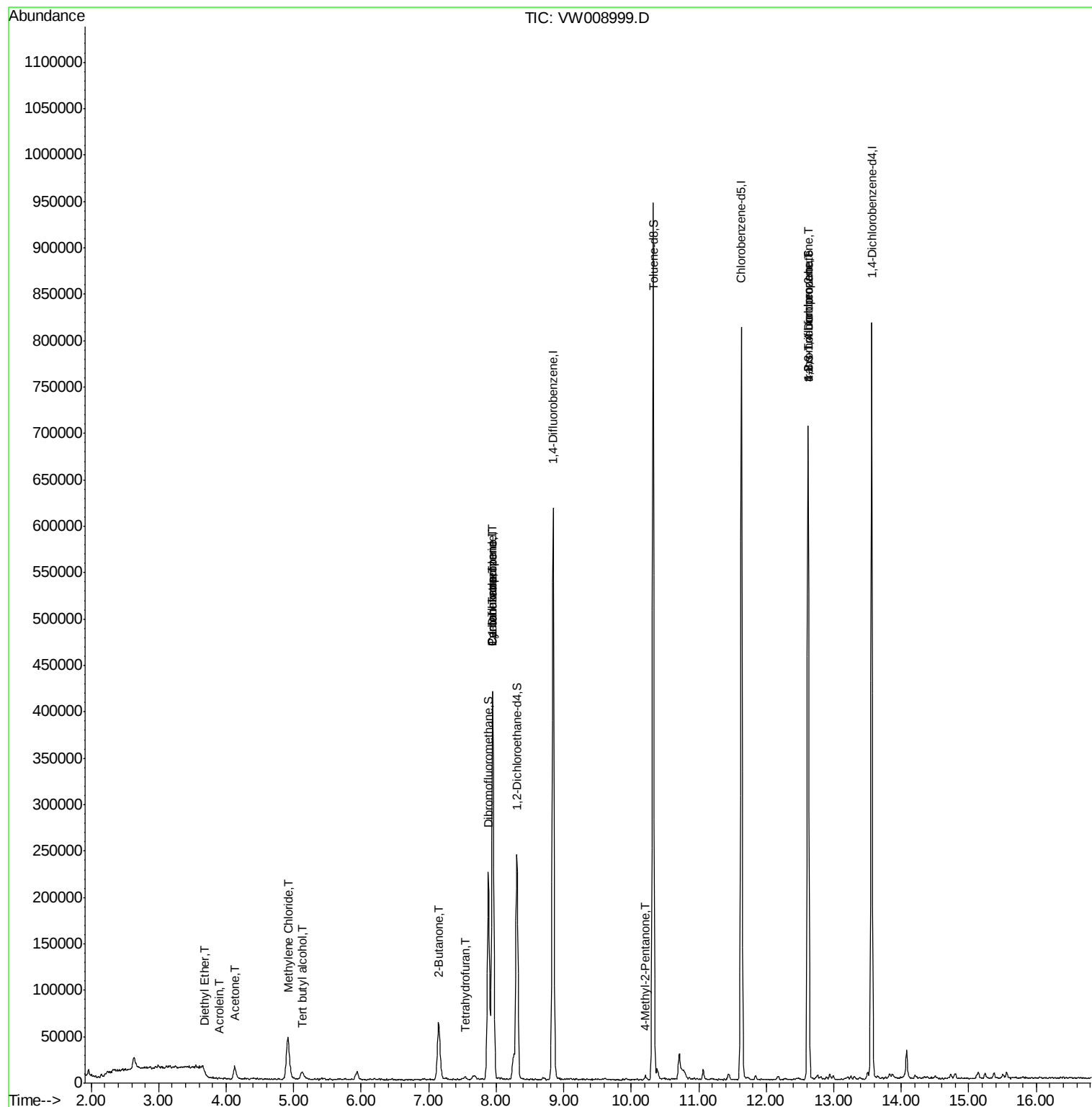
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1723	1.058	ug/l	96
11) Tert butyl alcohol	5.13	59	8191	31.145	ug/l #	74
13) Acrolein	3.90	56	106	20.132	ug/l #	1
16) Acetone	4.12	43	25069	36.611	ug/l	94
20) Methylene Chloride	4.92	84	34037	5.549	ug/l	97
25) 2-Butanone	7.15	43	4522	4.724	ug/l #	79
29) Tetrahydrofuran	7.54	42	2465	4.041	ug/l	94
31) Cyclohexane	7.95	56	7379	1.325	ug/l #	31
36) 1,1-Dichloropropene	7.95	75	23591	4.904	ug/l #	49
38) Carbon Tetrachloride	7.95	117	29679	5.850	ug/l #	17
51) 4-Methyl-2-Pentanone	10.21	43	3029	1.336	ug/l	98
76) 1,2,3-Trichloropropane	12.62	75	106558	63.487	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	106558	154.343	ug/l #	6

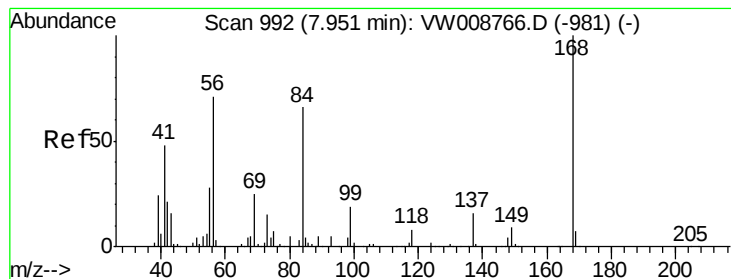
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008999.D

Acq: 05 Mar 2019 16:23

Instrument :

MSVOA_W

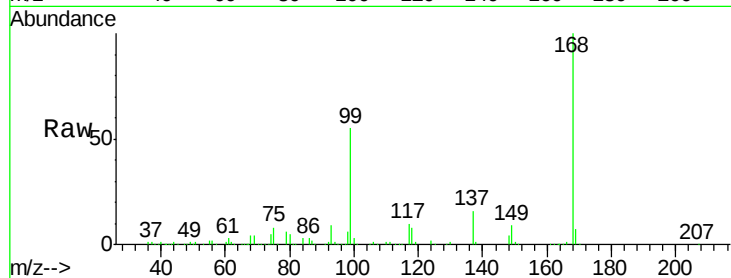
ClientSampleId :

Tot Ion:168 Resp: 314966

Ion Ratio Lower Upper

168 100

99 54.5 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

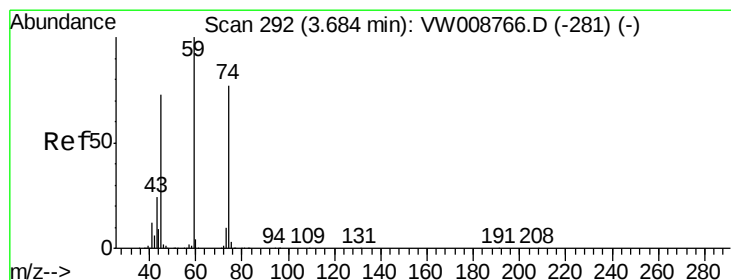
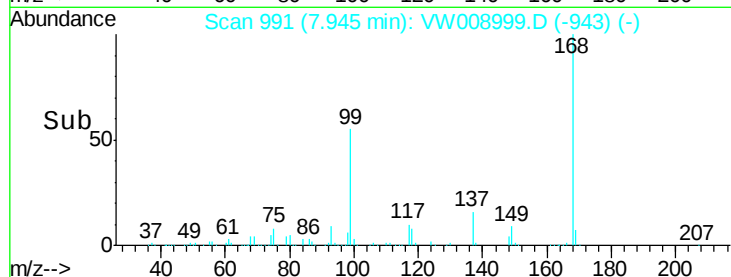
100000

50000

0

7.90 8.00

Time-->



#8

Diethyl Ether

Concen: 1.058 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.01 min

Lab File: VW008999.D

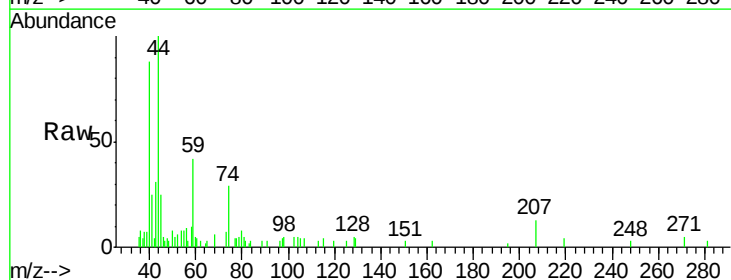
Acq: 05 Mar 2019 16:23

Tgt Ion: 74 Resp: 1723

Ion Ratio Lower Upper

74 100

45 96.3 50.2 150.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

800

600

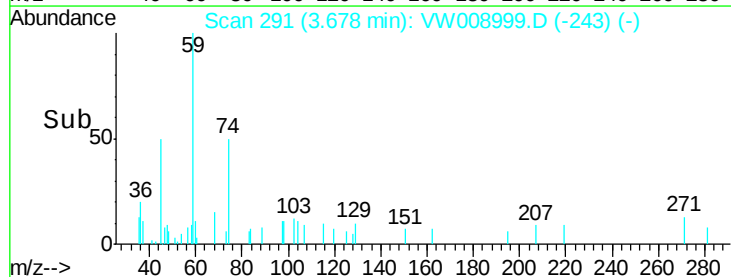
400

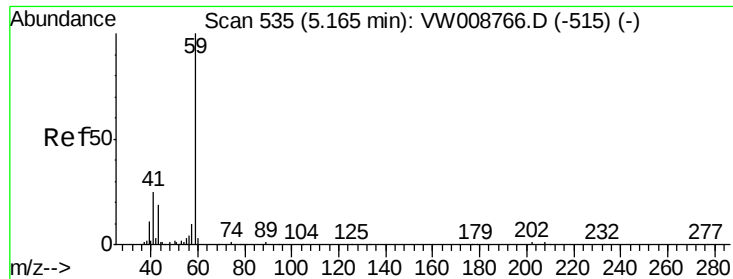
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0

3.65 3.70 3.75

Time-->

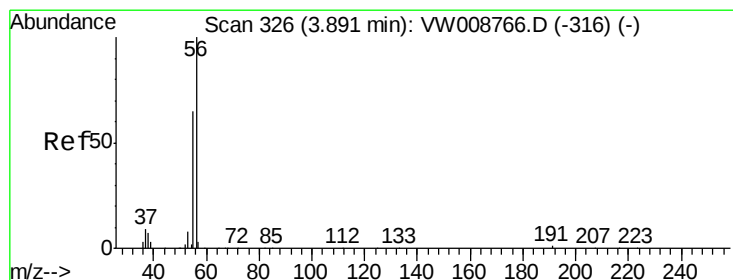
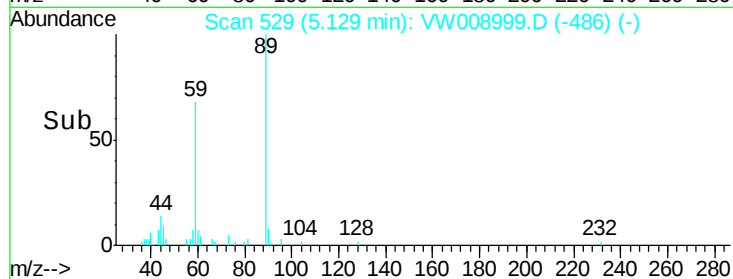
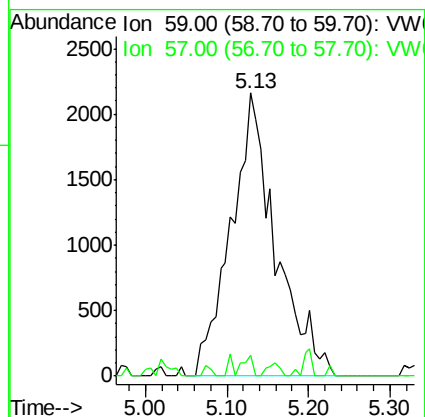
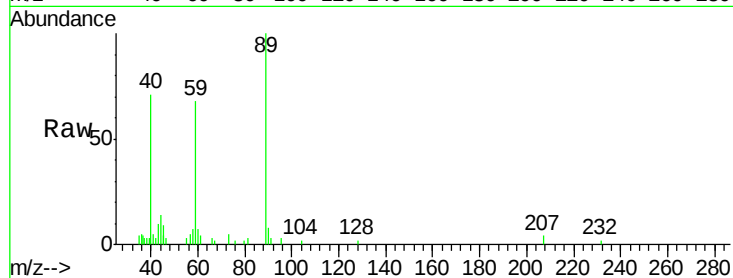




#11
Tert butyl alcohol
Concen: 31.145 ug/l
RT: 5.13 min Scan# 529
Delta R.T. -0.04 min
Lab File: VW008999.D
Acq: 05 Mar 2019 16:23

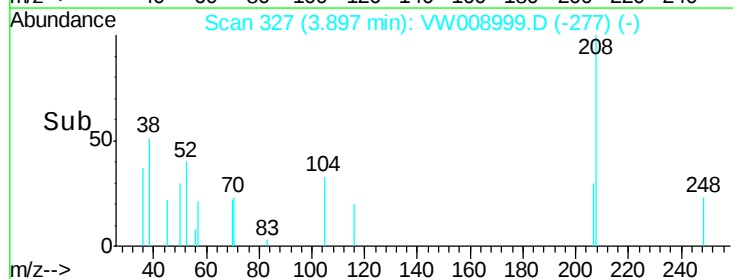
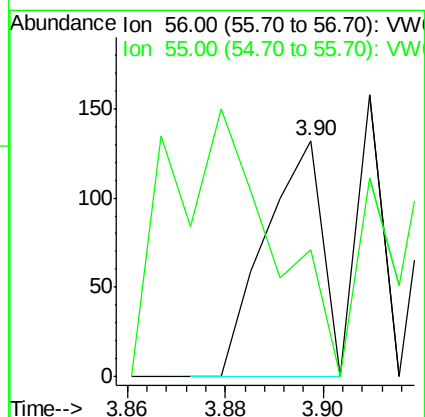
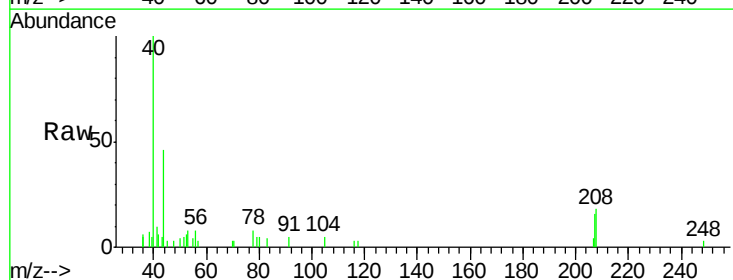
Instrument :
MSVOA_W
ClientSampleId :

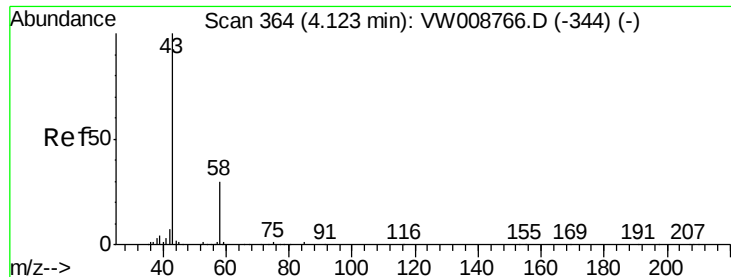
Tot Ion: 59 Resp: 8191
Ion Ratio Lower Upper
59 100
57 1.6 9.3 13.9#



#13
Acrolein
Concen: 20.132 ug/l
RT: 3.90 min Scan# 327
Delta R.T. 0.01 min
Lab File: VW008999.D
Acq: 05 Mar 2019 16:23

Tgt Ion: 56 Resp: 106
Ion Ratio Lower Upper
56 100
55 206.6 56.9 85.3#

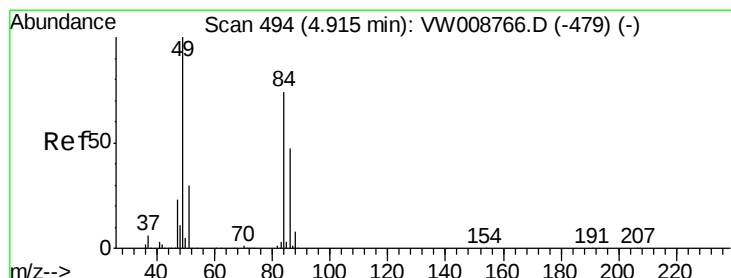
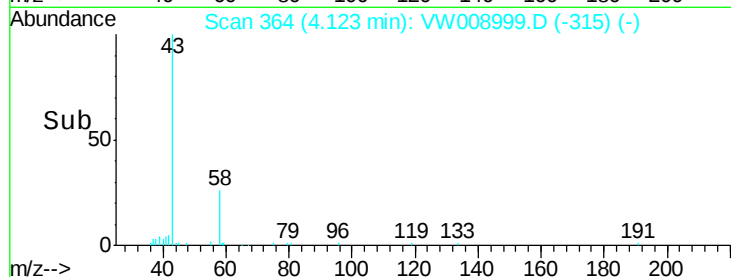
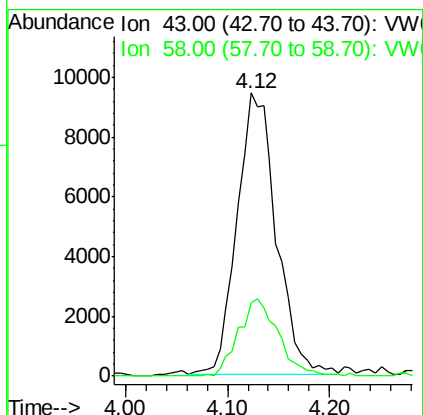
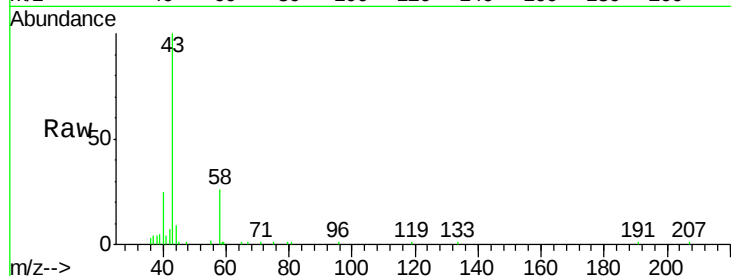




#16
Acetone
Concen: 36.611 ug/l
RT: 4.12 min Scan# 364
Delta R.T. 0.00 min
Lab File: VW008999.D
Acq: 05 Mar 2019 16:23

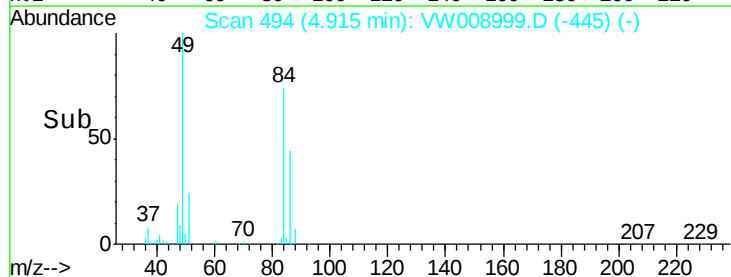
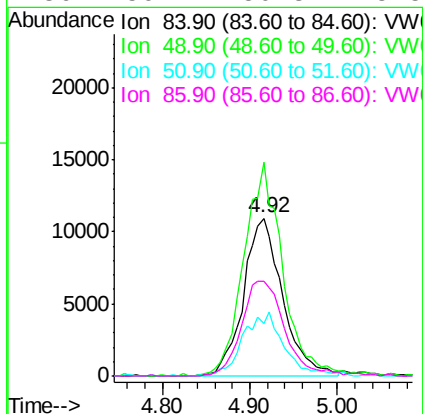
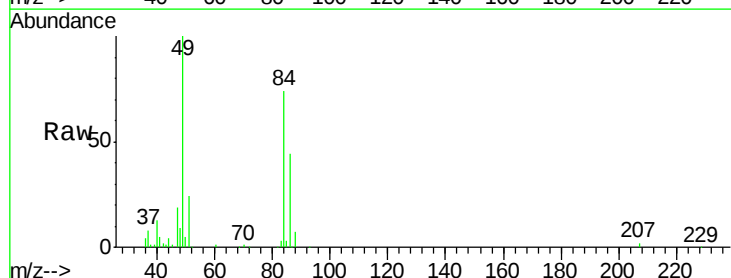
Instrument :
MSVOA_W
ClientSampled :

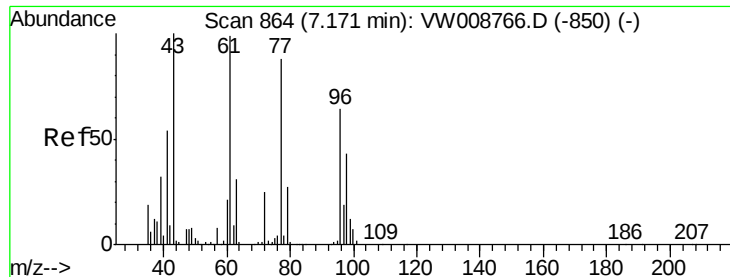
Tot Ion: 43 Resp: 25069
Ion Ratio Lower Upper
43 100
58 26.4 23.8 35.6



#20
Methylene Chloride
Concen: 5.549 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW008999.D
Acq: 05 Mar 2019 16:23

Tgt Ion: 84 Resp: 34037
Ion Ratio Lower Upper
84 100
49 135.2 108.2 162.2
51 33.1 32.7 49.1
86 59.7 50.3 75.5





#25

2-Butanone

Concen: 4.724 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW008999.D

Acq: 05 Mar 2019 16:23

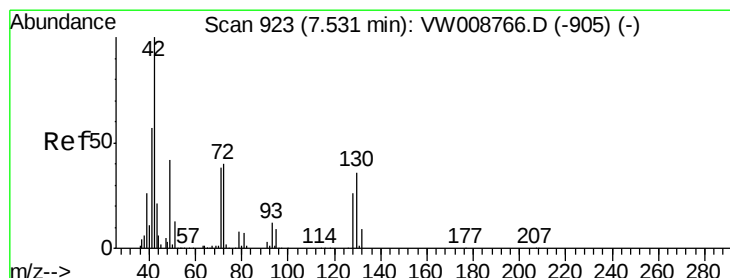
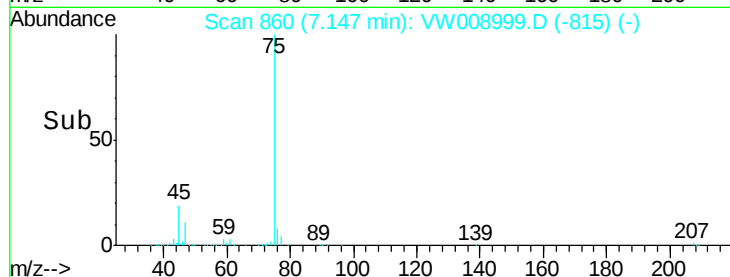
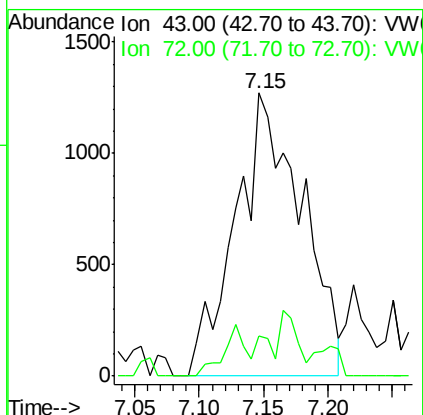
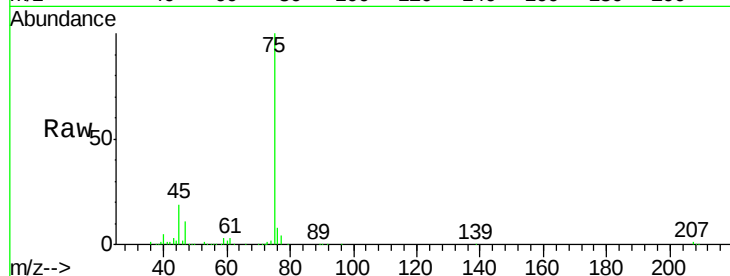
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 4522

Ion Ratio Lower Upper

43 100

72 14.2 19.7 29.5#



#29

Tetrahydrofuran

Concen: 4.041 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW008999.D

Acq: 05 Mar 2019 16:23

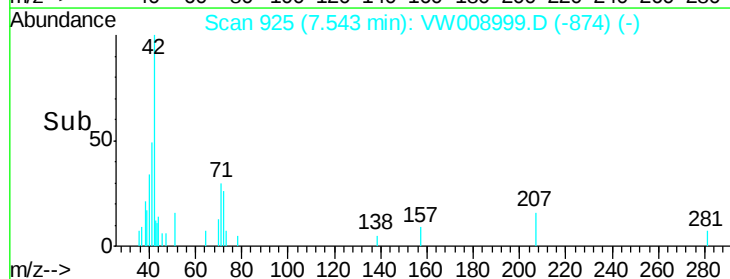
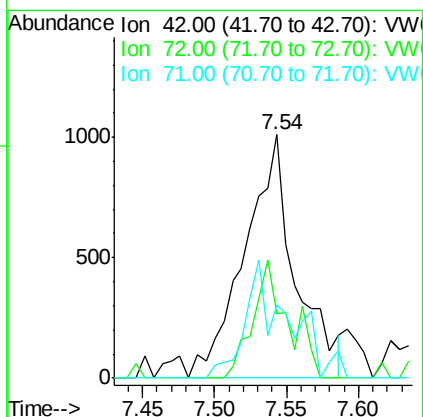
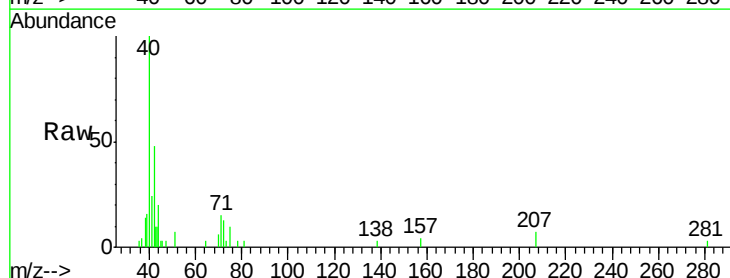
Tgt Ion: 42 Resp: 2465

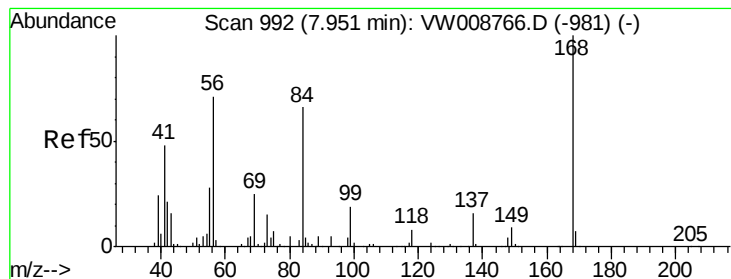
Ion Ratio Lower Upper

42 100

72 33.8 32.7 49.1

71 39.6 31.3 46.9





#31

Cyclohexane

Concen: 1.325 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008999.D

Acq: 05 Mar 2019 16:23

Instrument :

MSVOA_W

ClientSampled :

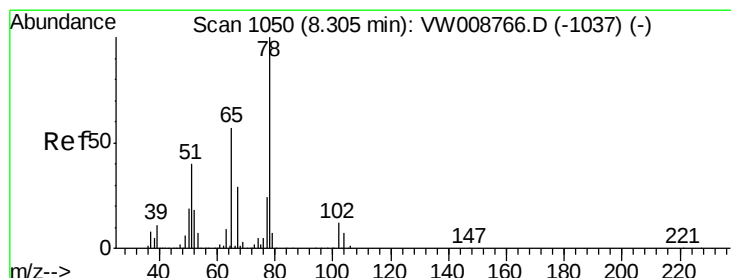
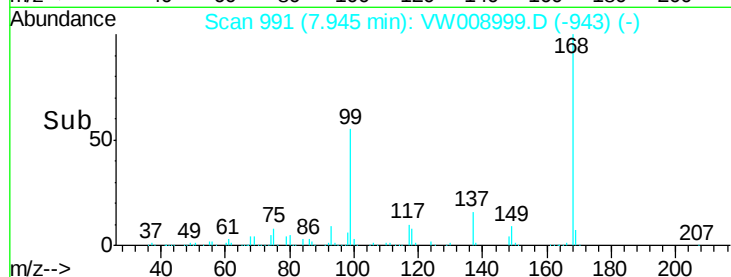
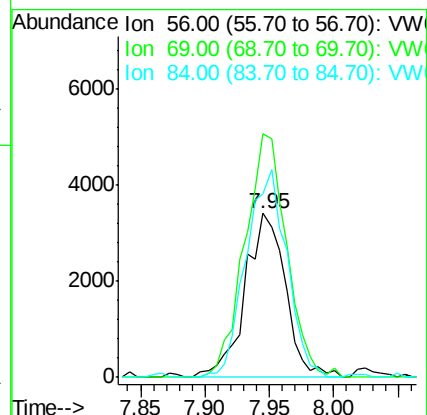
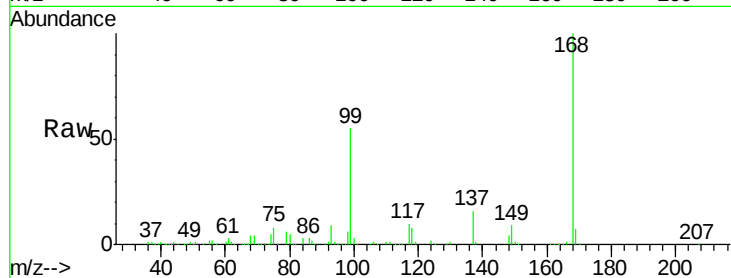
Tot Ion: 56 Resp: 7379

Ion Ratio Lower Upper

56 100

69 148.6 28.2 42.4#

84 112.2 74.1 111.1#



#33

1,2-Dichloroethane-d4

Concen: 61.270 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008999.D

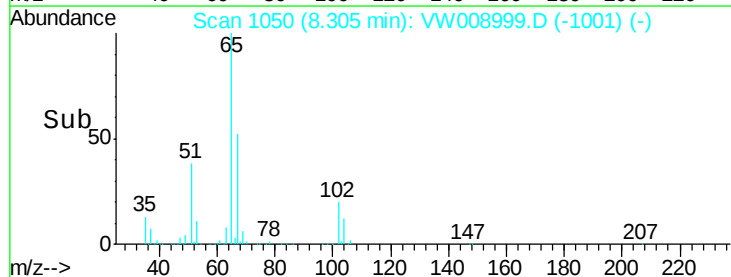
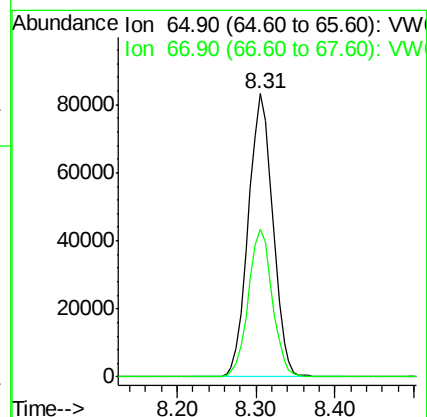
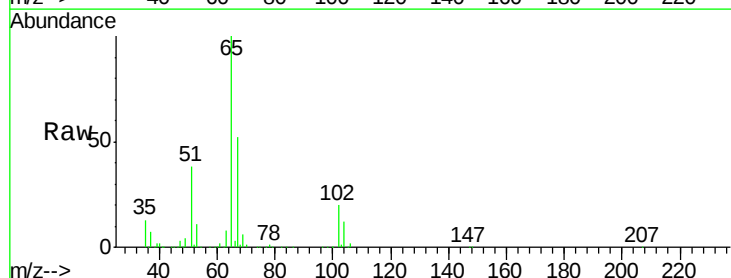
Acq: 05 Mar 2019 16:23

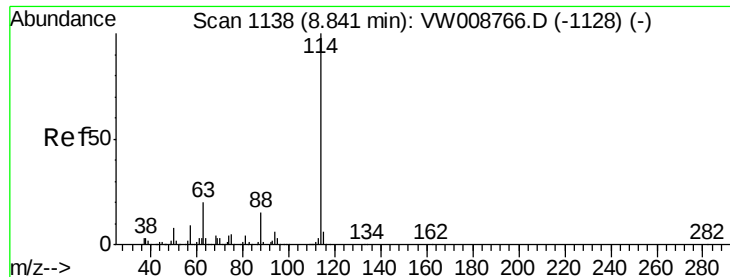
Tgt Ion: 65 Resp: 180999

Ion Ratio Lower Upper

65 100

67 50.7 0.0 101.4

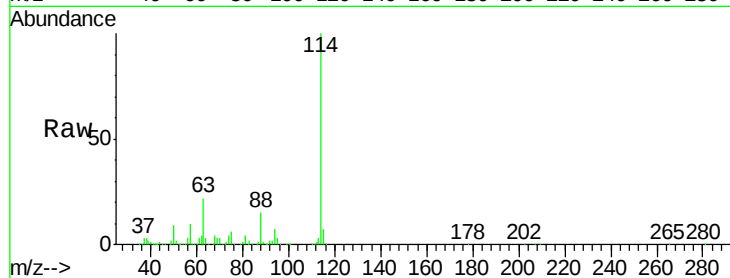




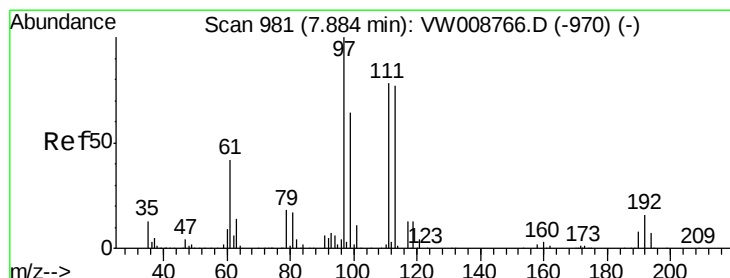
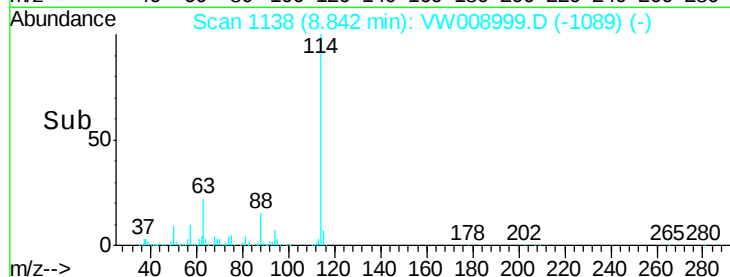
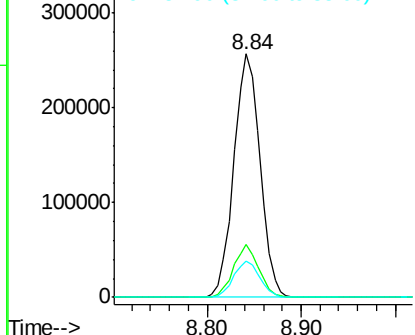
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW008999.D
Acq: 05 Mar 2019 16:23

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:114 Resp: 494185
Ion Ratio Lower Upper
114 100
63 21.6 0.0 40.8
88 15.0 0.0 30.4

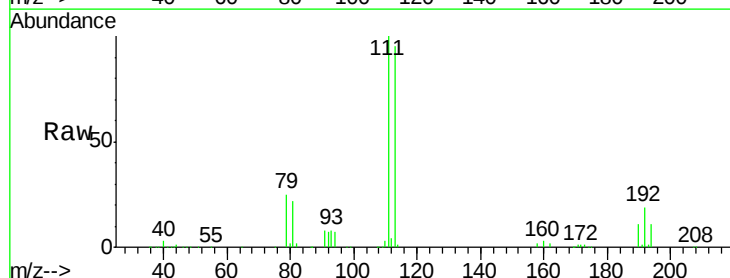


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

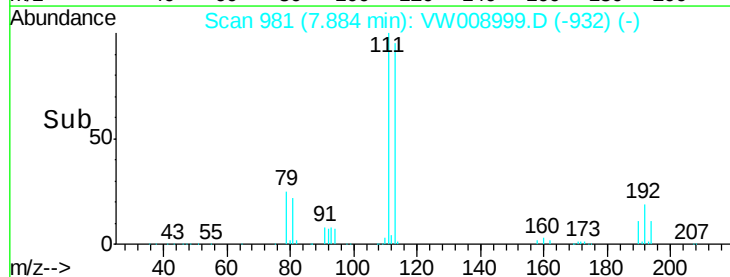
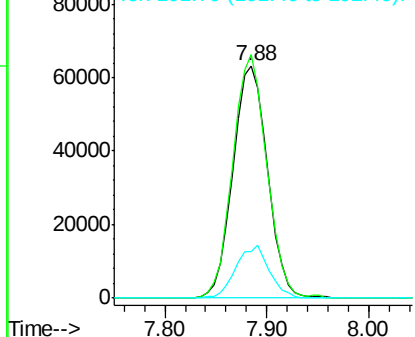


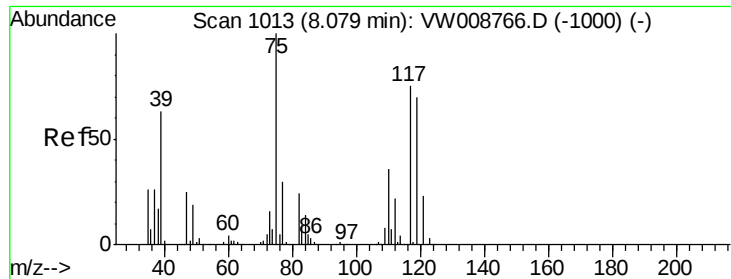
#35
Dibromofluoromethane
Concen: 50.022 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW008999.D
Acq: 05 Mar 2019 16:23

Tgt Ion:113 Resp: 148423
Ion Ratio Lower Upper
113 100
111 102.4 81.9 122.9
192 21.8 17.1 25.7



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

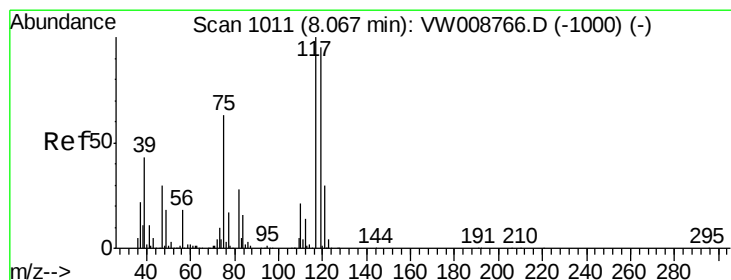
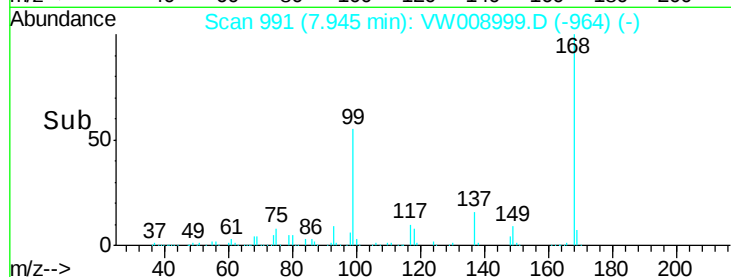
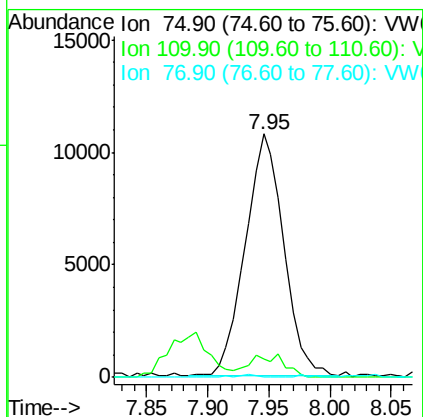
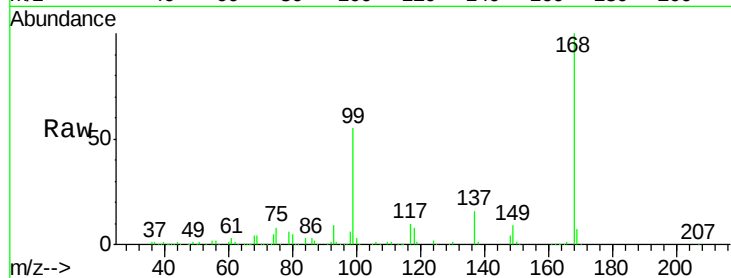




#36
 1,1-Dichloropropene
 Concen: 4.904 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008999.D
 Acq: 05 Mar 2019 16:23

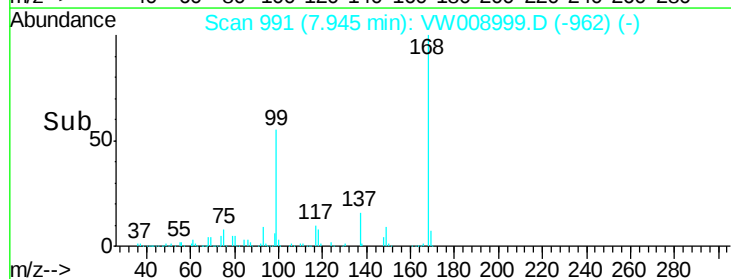
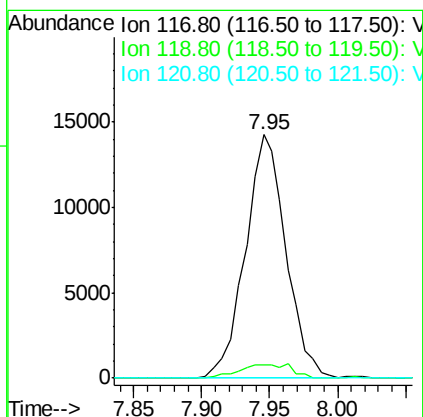
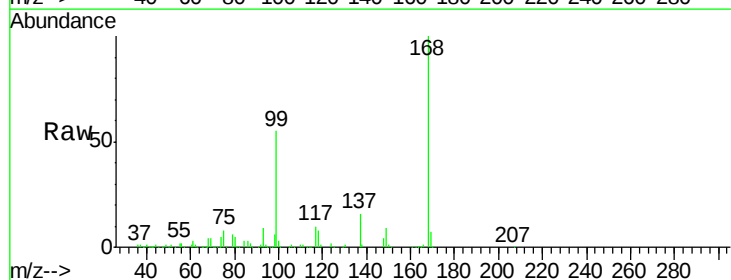
Instrument :
 MSVOA_W
 ClientSampled :

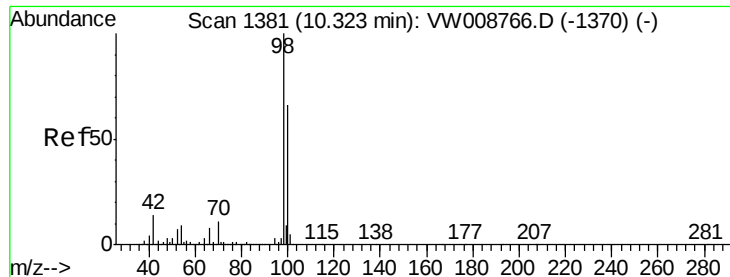
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.5	17.5	52.6#
77	0.0	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 5.850 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW008999.D
 Acq: 05 Mar 2019 16:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	76.1	114.1#
121	0.0	24.0	36.0#





#50

Toluene-d8

Concen: 51.436 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008999.D

Acq: 05 Mar 2019 16:23

Instrument :

MSVOA_W

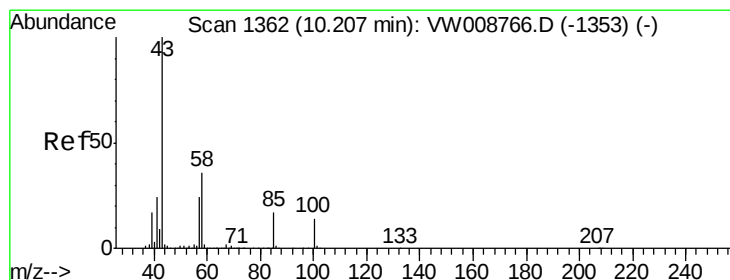
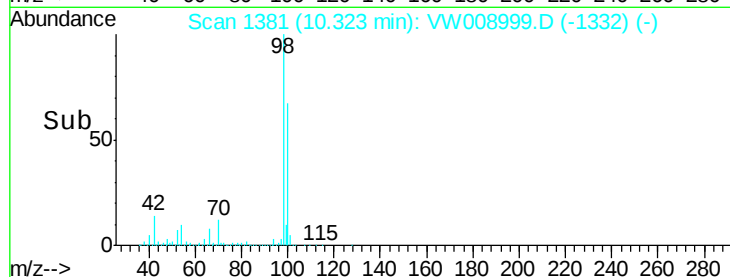
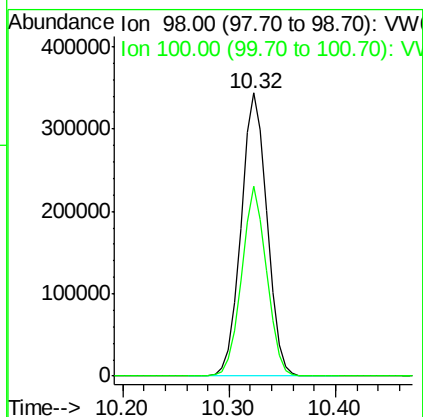
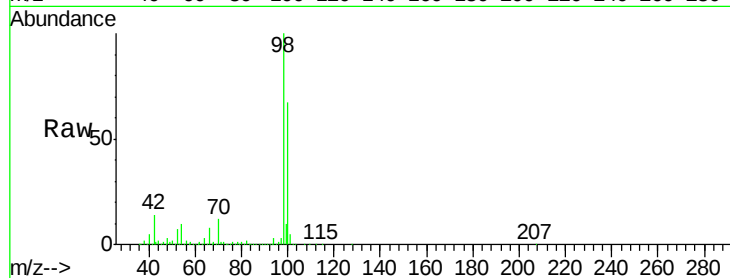
ClientSampleId :

Tot Ion: 98 Resp: 589147

Ion Ratio Lower Upper

98 100

100 64.7 52.4 78.6



#51

4-Methyl-2-Pentanone

Concen: 1.336 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW008999.D

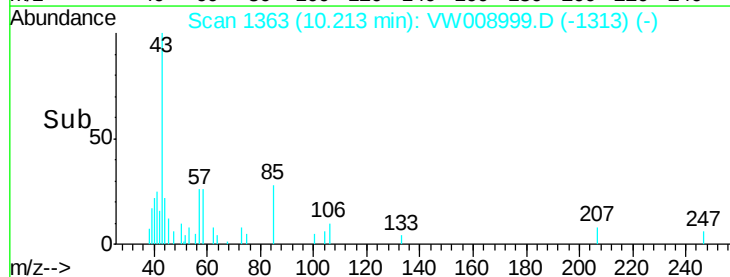
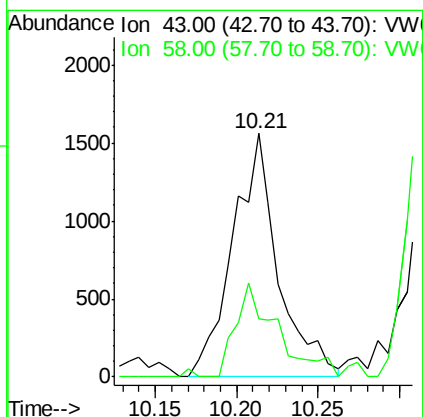
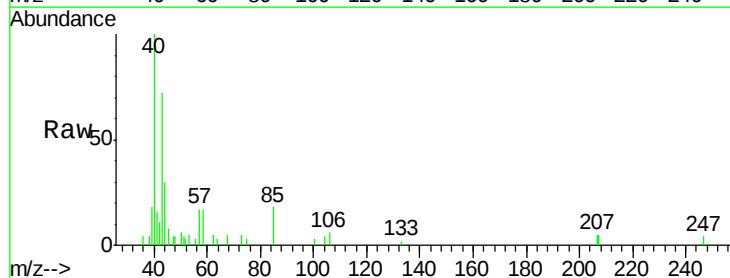
Acq: 05 Mar 2019 16:23

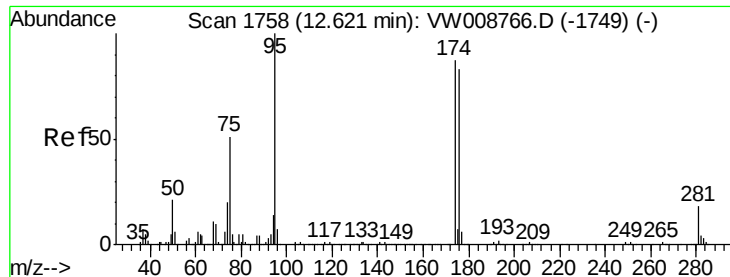
Tgt Ion: 43 Resp: 3029

Ion Ratio Lower Upper

43 100

58 35.2 29.1 43.7

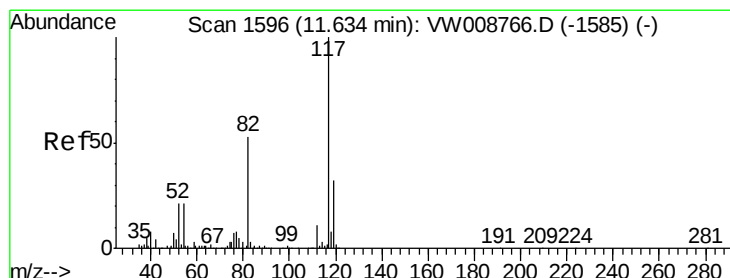
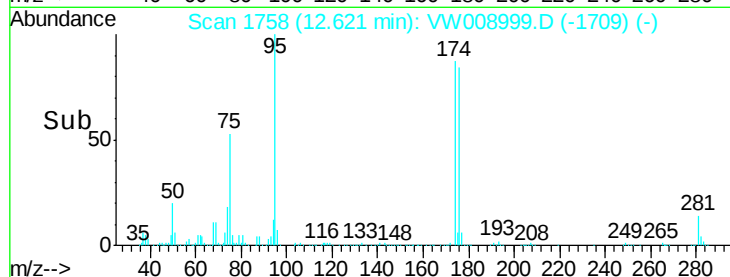
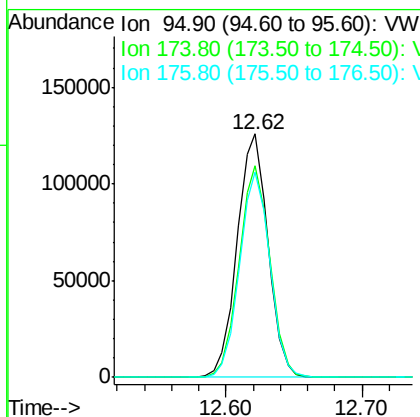
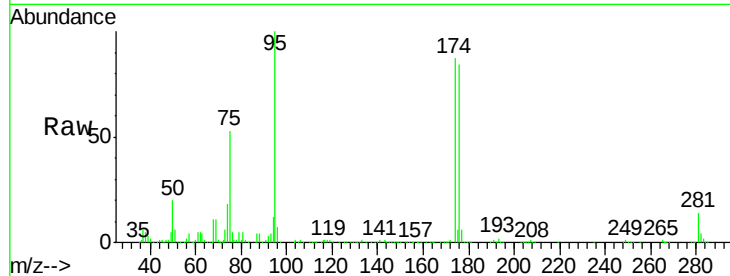




#62
4-Bromofluorobenzene
Concen: 44.231 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW008999.D
Acq: 05 Mar 2019 16:23

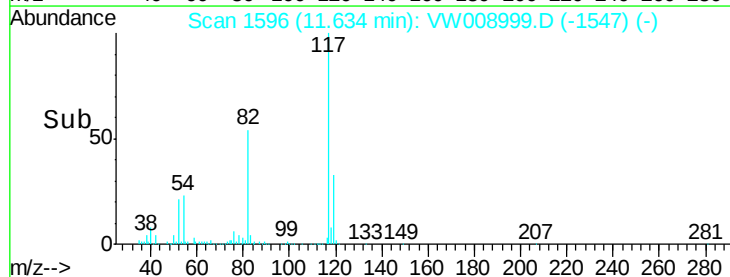
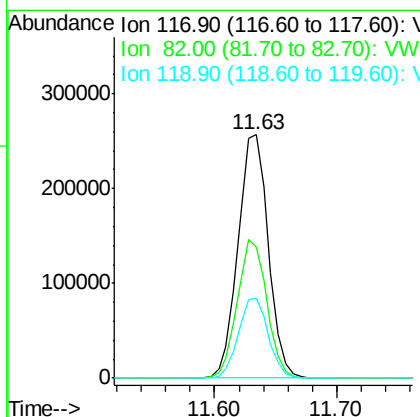
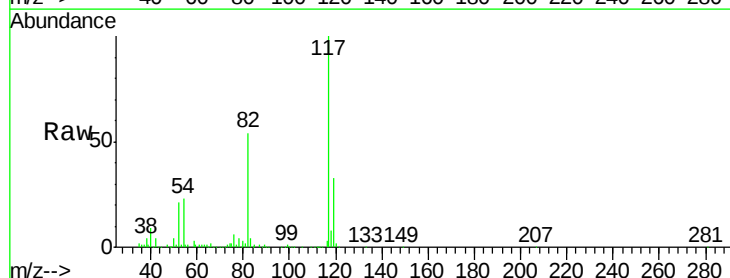
Instrument :
MSVOA_W
ClientSampleId :

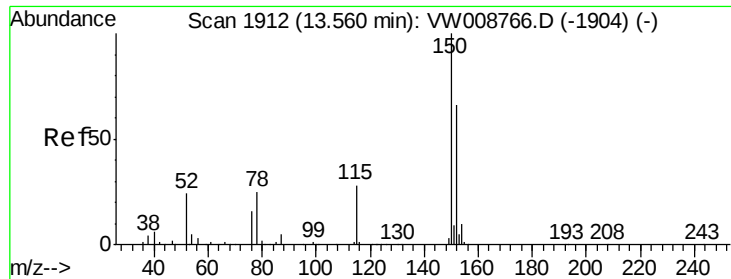
Tot Ion: 95 Resp: 198364
Ion Ratio Lower Upper
95 100
174 86.9 0.0 169.2
176 83.2 0.0 163.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008999.D
Acq: 05 Mar 2019 16:23

Tgt Ion: 117 Resp: 439429
Ion Ratio Lower Upper
117 100
82 53.7 42.2 63.4
119 32.7 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: VW008999.D

Acq: 05 Mar 2019 16:23

Instrument :

MSVOA_W

ClientSampled :

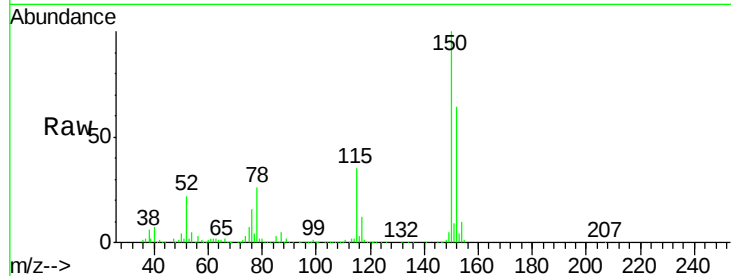
Tot Ion:152 Resp: 203288

Ion Ratio Lower Upper

152 100

115 57.2 28.6 85.8

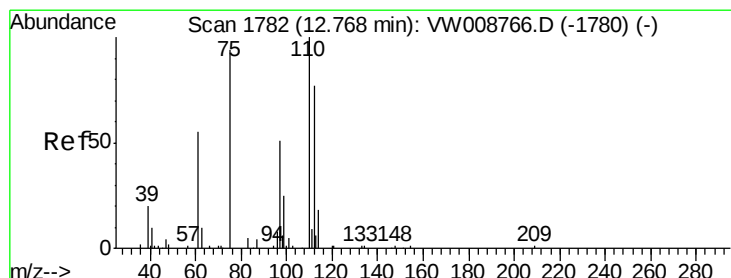
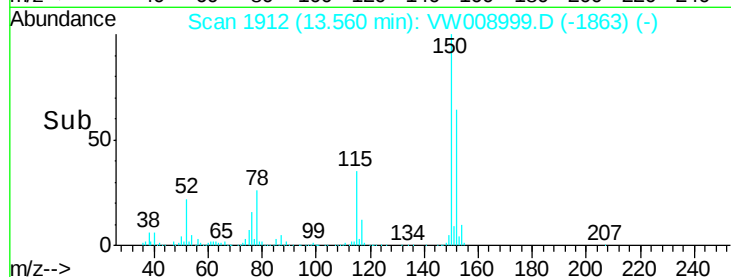
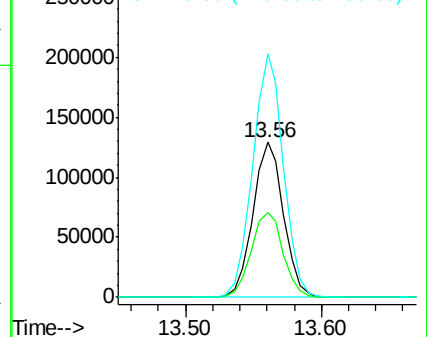
150 157.5 0.0 348.0



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



#76

1,2,3-Trichloropropane

Concen: 63.487 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008999.D

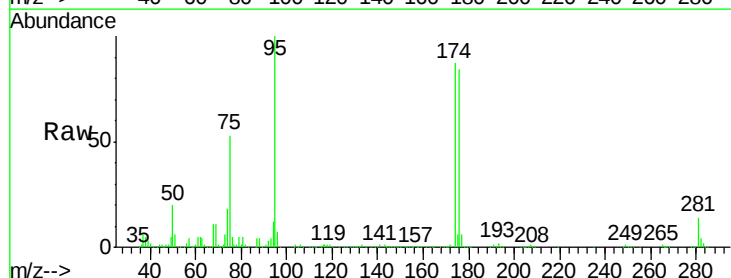
Acq: 05 Mar 2019 16:23

Tgt Ion: 75 Resp: 106558

Ion Ratio Lower Upper

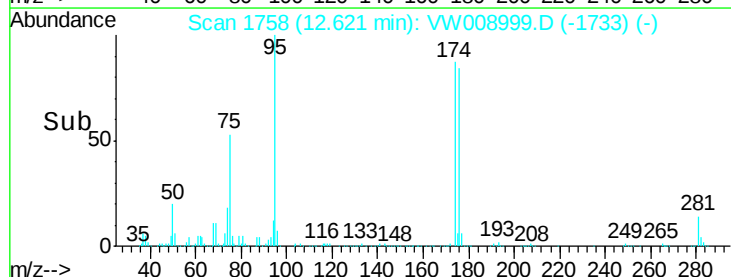
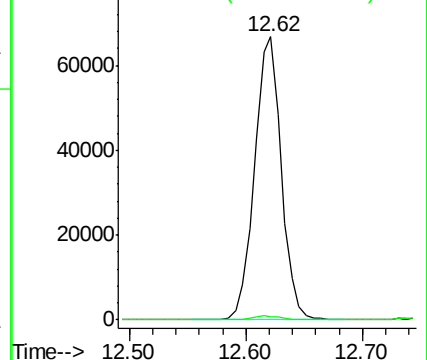
75 100

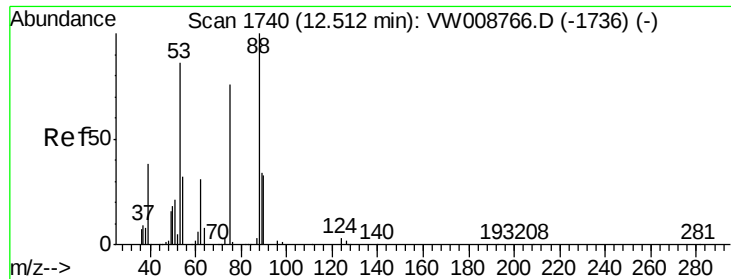
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 154.343 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008999.D

Acq: 05 Mar 2019 16:23

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 75 Resp: 106558

Ion Ratio Lower Upper

75 100

53 0.2 88.2 132.2#

89 0.2 39.5 59.3#

