

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030519\
 Data File : VW008992.D
 Acq On : 05 Mar 2019 13:14
 Operator : SY/VA
 Sample : K21650-08RE
 Misc : 5.37G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 06 06:48:44 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	254702	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	407655	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	206264	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	34814	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	161363	67.55	ug/l	0.00
Spiked Amount			Recovery	=	135.10%	
35) Dibromofluoromethane	7.88	113	129878	53.06	ug/l	0.00
Spiked Amount			Recovery	=	106.12%	
50) Toluene-d8	10.32	98	381216	40.35	ug/l	0.00
Spiked Amount			Recovery	=	80.70%	
62) 4-Bromofluorobenzene	12.62	95	60922	16.47	ug/l	0.00
Spiked Amount			Recovery	=	32.94%	

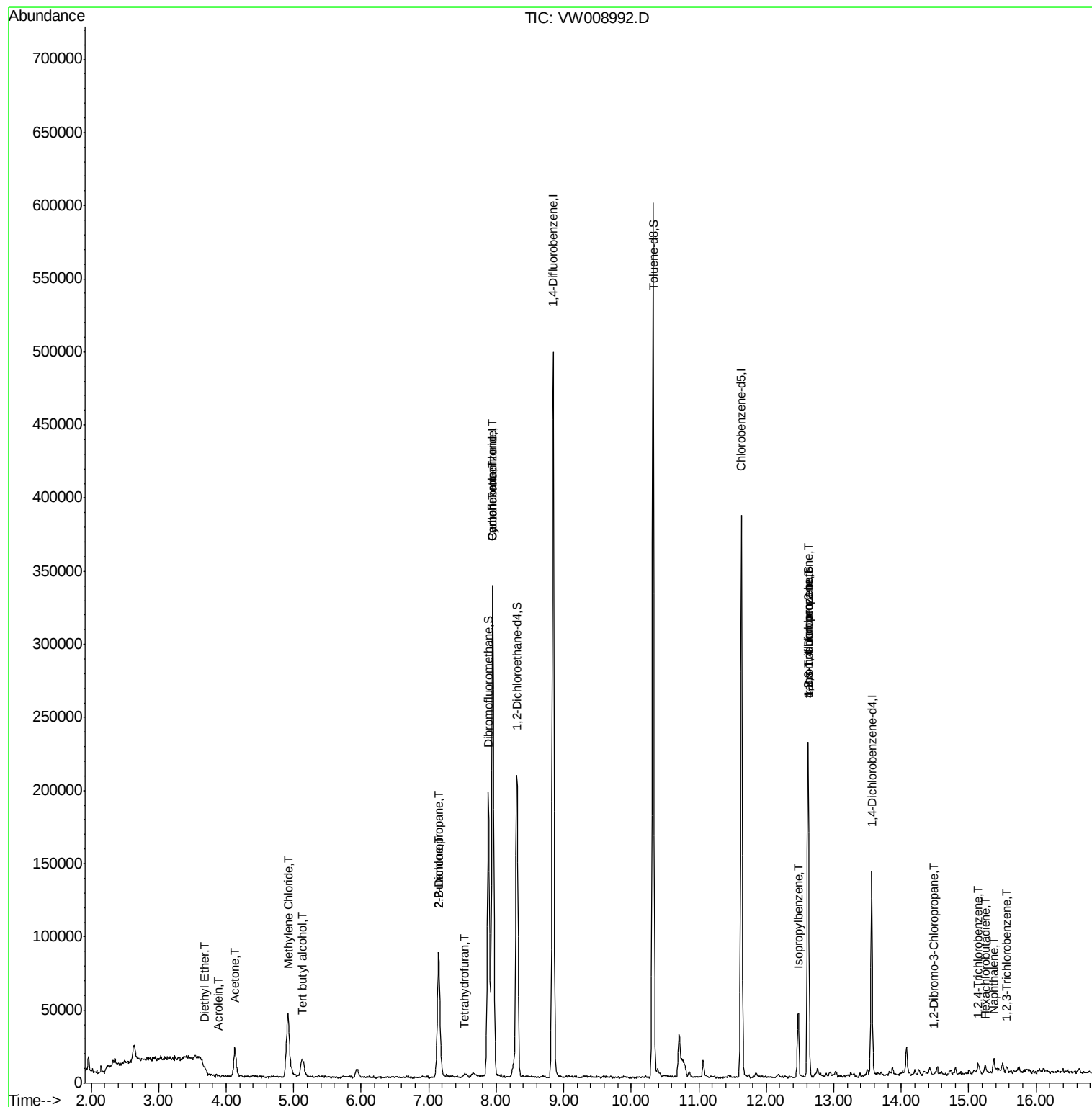
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	2248	1.708	ug/l	84
11) Tert butyl alcohol	5.12	59	12058	56.697	ug/l #	78
13) Acrolein	3.89	56	76	20.092	ug/l #	1
16) Acetone	4.13	43	33607	60.693	ug/l	91
20) Methylene Chloride	4.92	84	31917	7.342	ug/l	90
25) 2-Butanone	7.15	43	5739	7.413	ug/l #	75
26) 2,2-Dichloropropane	7.14	77	5728	1.418	ug/l #	54
29) Tetrahydrofuran	7.53	42	1947	3.947	ug/l	91
31) Cyclohexane	7.94	56	5769	1.281	ug/l #	51
38) Carbon Tetrachloride	7.95	117	24170	5.775	ug/l #	16
73) Isopropylbenzene	12.47	105	2630	1.102	ug/l	83
76) 1,2,3-Trichloropropane	12.62	75	32723	113.845	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	32723	276.765	ug/l #	6
92) 1,2-Dibromo-3-Chloropropan	14.49	75	77	1.092	ug/l #	16
93) 1,2,4-Trichlorobenzene	15.13	180	1484	1.975	ug/l	94
94) Hexachlorobutadiene	15.25	225	581	1.313	ug/l	76
95) Naphthalene	15.37	128	6928	5.417	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.57	180	1536	2.365	ug/l	97

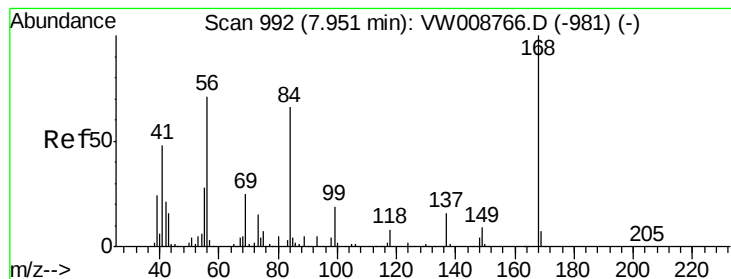
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Feb 22 00:38:32 2019
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: VW008992.D

Acq: 05 Mar 2019 13:14

Instrument :

MSVOA_W

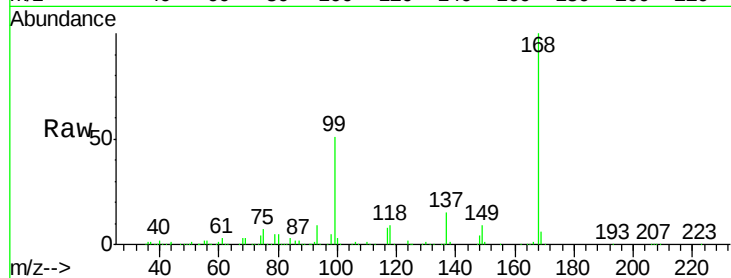
ClientSampled :

Tot Ion:168 Resp: 254702

Ion Ratio Lower Upper

168 100

99 51.1 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

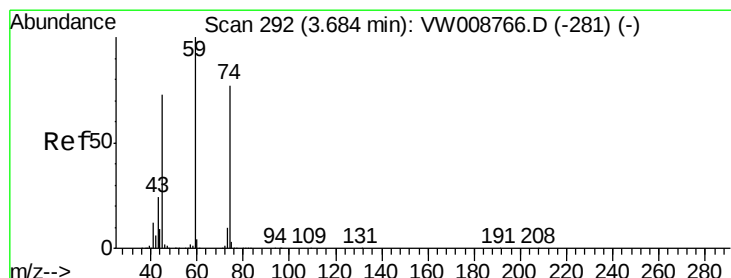
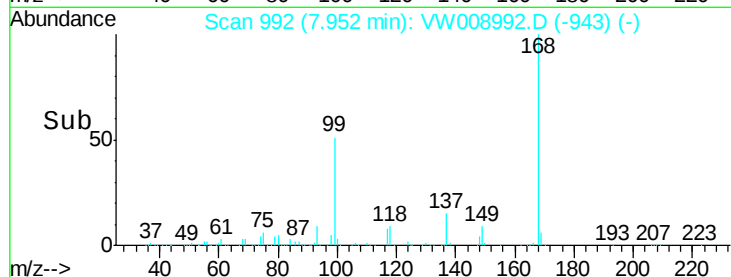
7.95

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.708 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.00 min

Lab File: VW008992.D

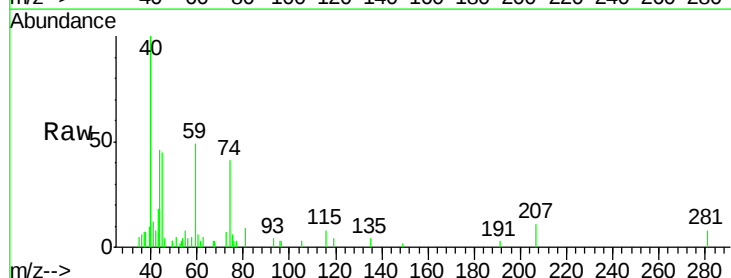
Acq: 05 Mar 2019 13:14

Tgt Ion: 74 Resp: 2248

Ion Ratio Lower Upper

74 100

45 116.1 50.2 150.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

1200

1000

800

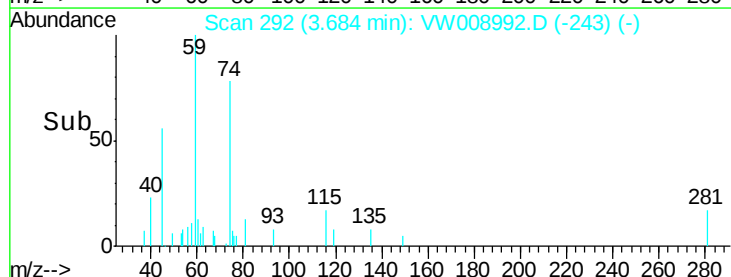
600

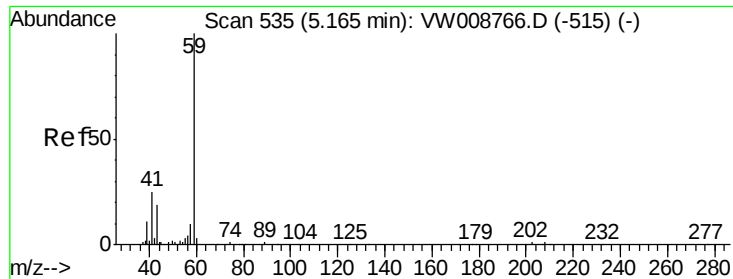
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200

0

Time-->



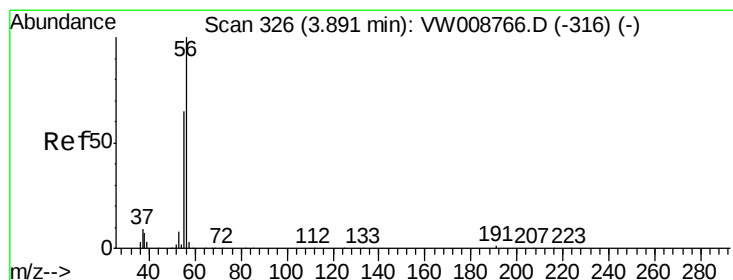
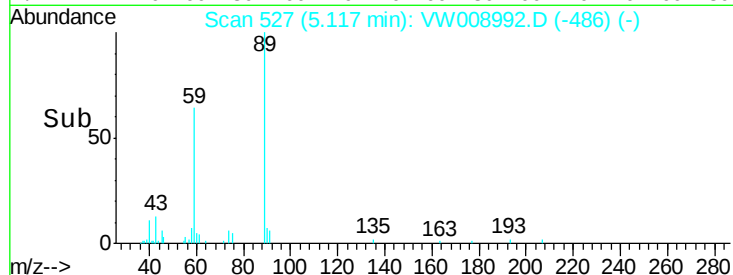
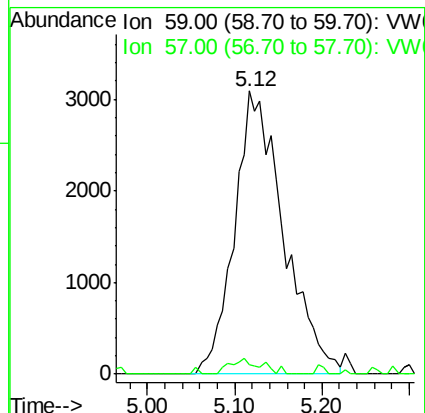
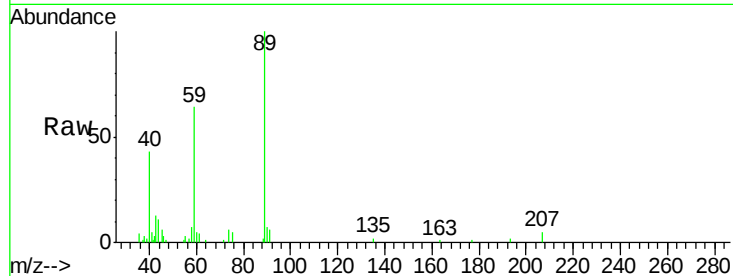


#11

Tert butyl alcohol
 Concen: 56.697 ug/l
 RT: 5.12 min Scan# 527
 Delta R.T. -0.05 min
 Lab File: VW008992.D
 Acq: 05 Mar 2019 13:14

Instrument :
 MSVOA_W
 ClientSampleId :

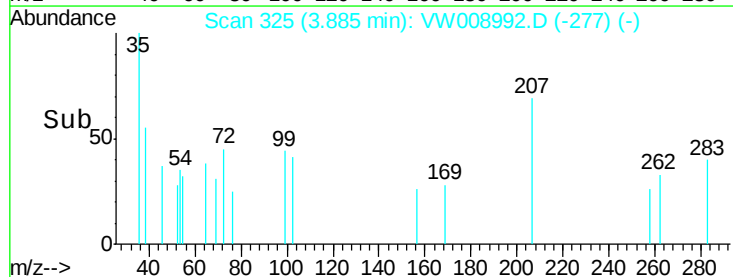
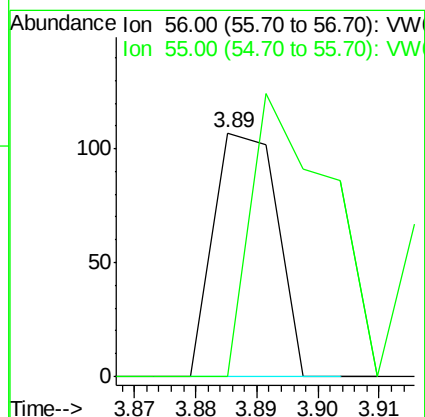
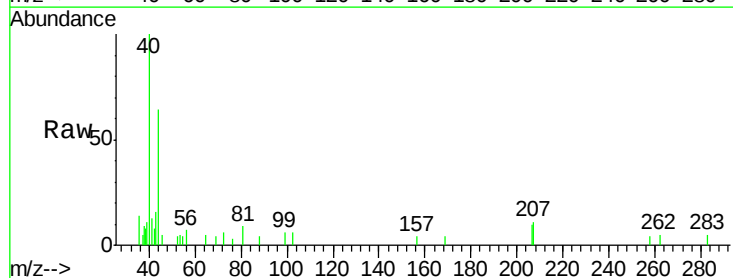
Tot Ion: 59 Resp: 12058
 Ion Ratio Lower Upper
 59 100
 57 3.2 9.3 13.9#

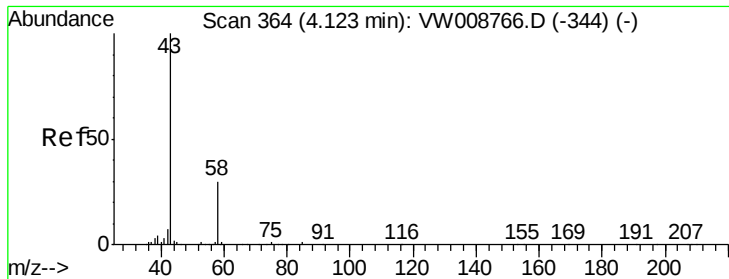


#13

Acrolein
 Concen: 20.092 ug/l
 RT: 3.89 min Scan# 325
 Delta R.T. -0.01 min
 Lab File: VW008992.D
 Acq: 05 Mar 2019 13:14

Tgt Ion: 56 Resp: 76
 Ion Ratio Lower Upper
 56 100
 55 177.6 56.9 85.3#

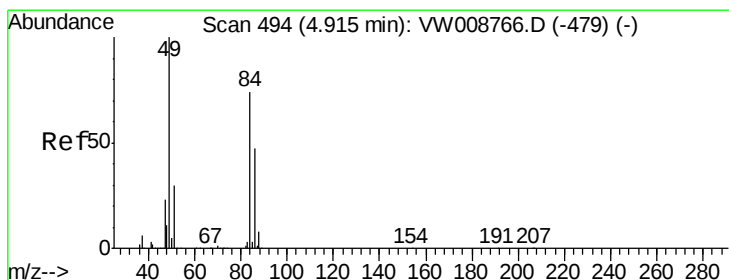
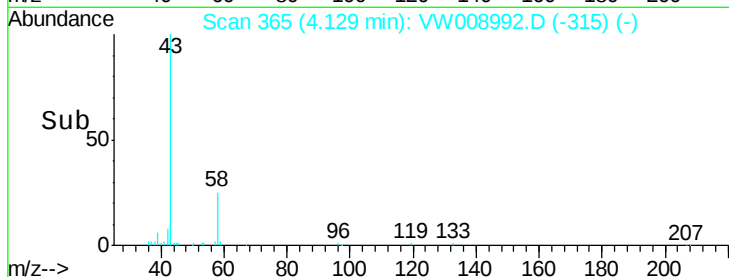
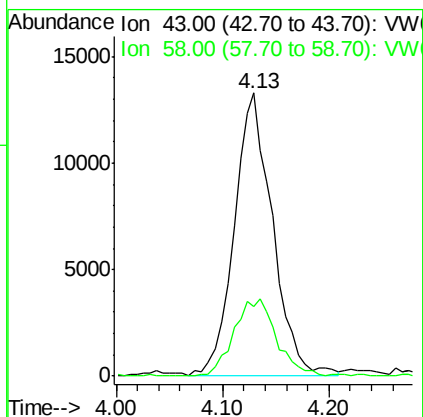
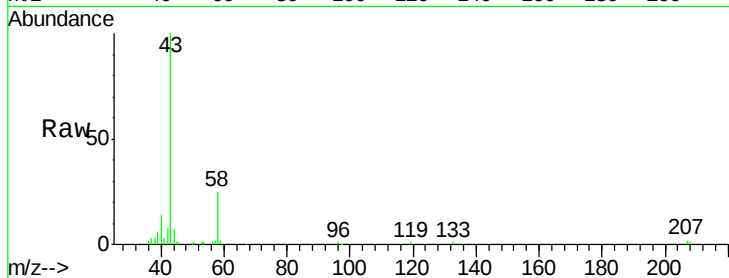




#16
Acetone
Concen: 60.693 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW008992.D
Acq: 05 Mar 2019 13:14

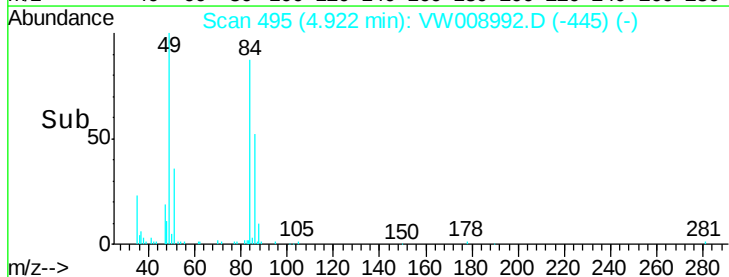
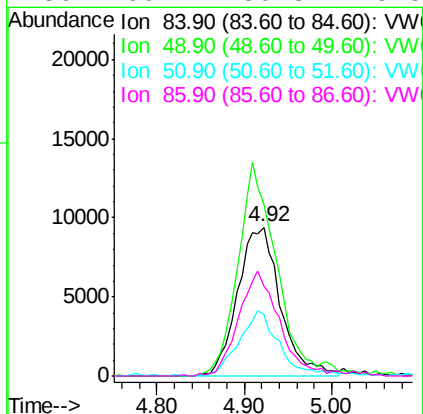
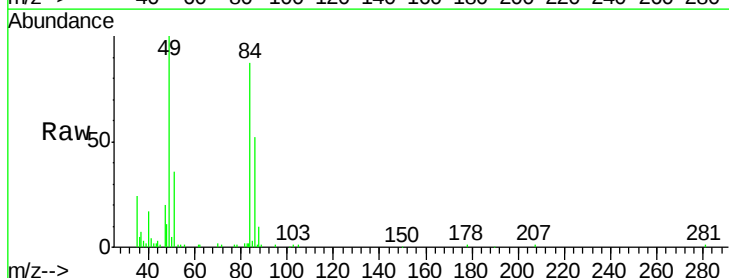
Instrument :
MSVOA_W
ClientSampled :

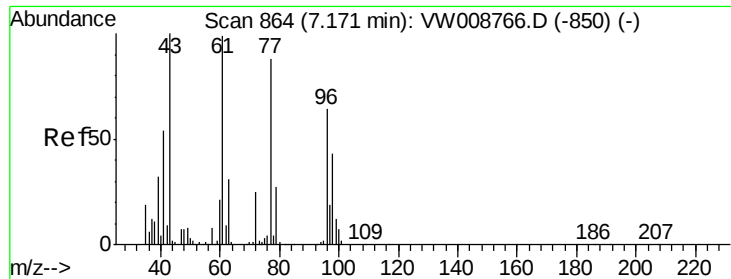
Tot Ion: 43 Resp: 33607
Ion Ratio Lower Upper
43 100
58 24.6 23.8 35.6



#20
Methylene Chloride
Concen: 7.342 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW008992.D
Acq: 05 Mar 2019 13:14

Tgt Ion: 84 Resp: 31917
Ion Ratio Lower Upper
84 100
49 115.2 108.2 162.2
51 41.5 32.7 49.1
86 60.4 50.3 75.5





#25

2-Butanone

Concen: 7.413 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW008992.D

Acq: 05 Mar 2019 13:14

Instrument :

MSVOA_W

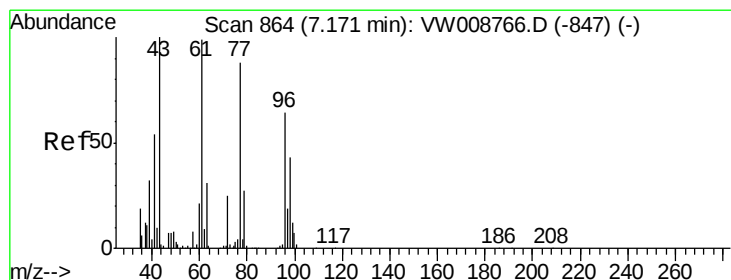
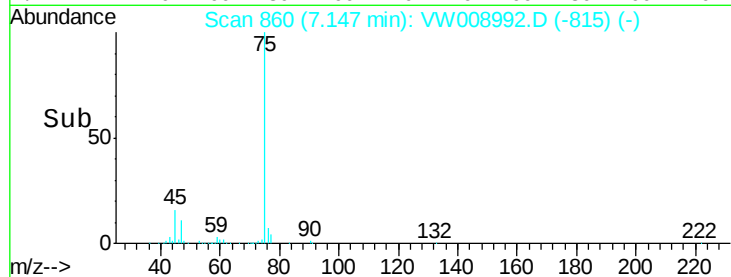
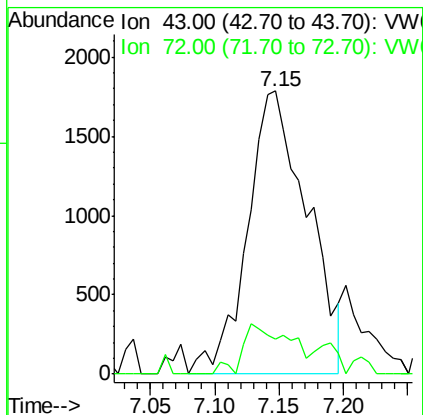
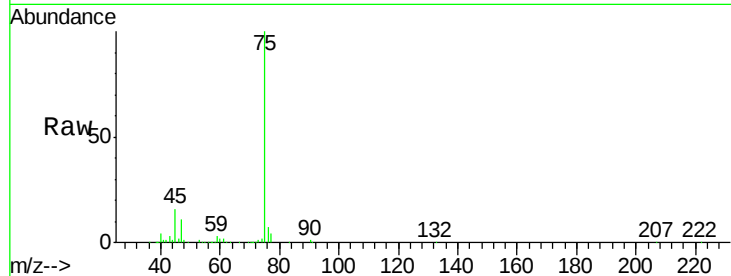
ClientSampleId :

Tot Ion: 43 Resp: 5739

Ion Ratio Lower Upper

43 100

72 12.4 19.7 29.5#



#26

2,2-Dichloropropane

Concen: 1.418 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW008992.D

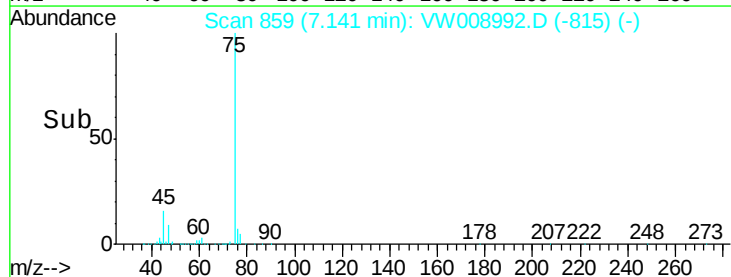
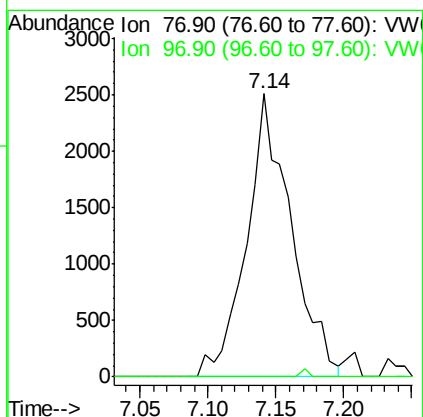
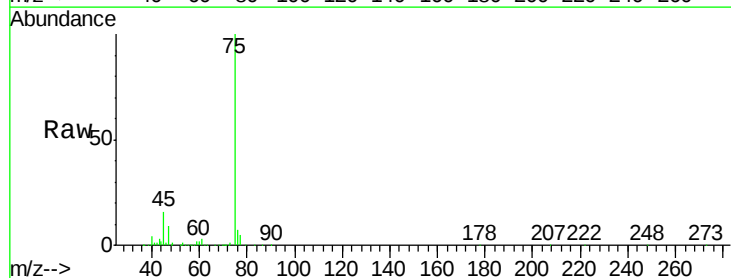
Acq: 05 Mar 2019 13:14

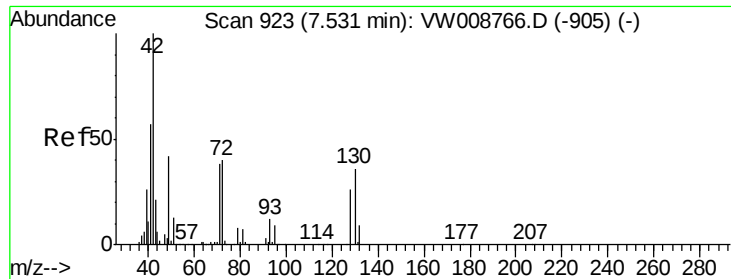
Tgt Ion: 77 Resp: 5728

Ion Ratio Lower Upper

77 100

97 0.0 11.0 33.0#

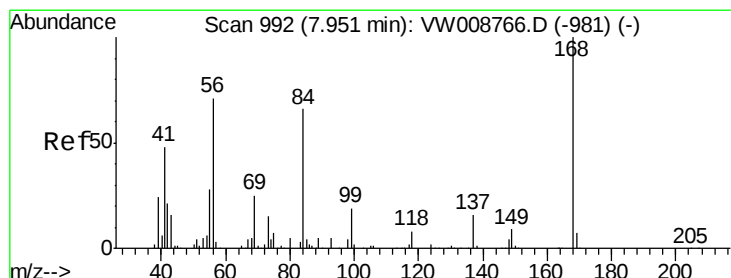
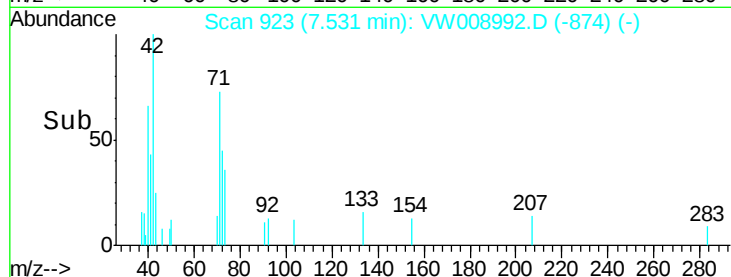
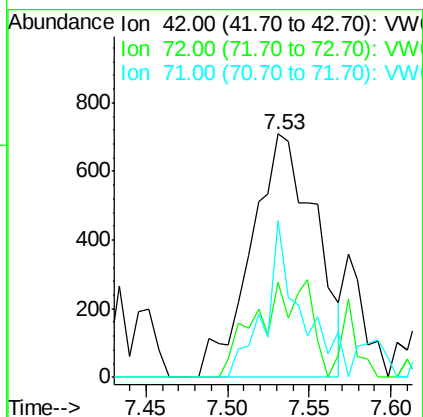
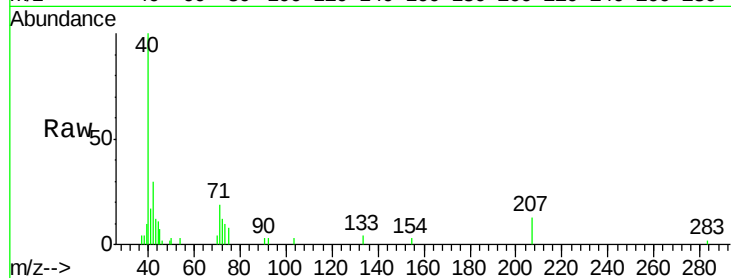




#29
Tetrahydrofuran
Concen: 3.947 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW008992.D
Acq: 05 Mar 2019 13:14

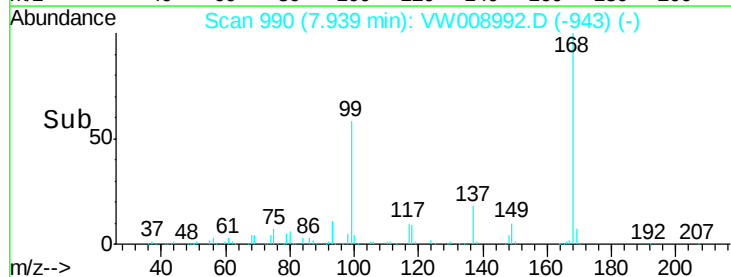
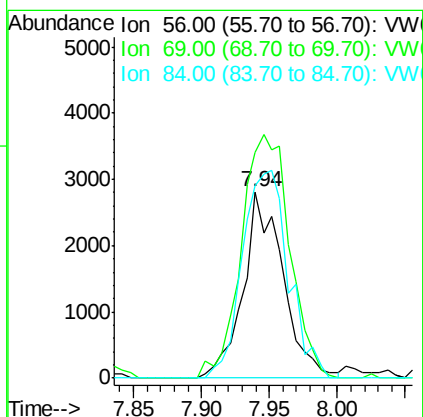
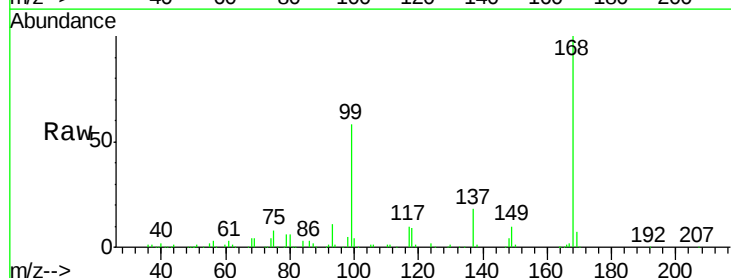
Instrument :
MSVOA_W
ClientSampled :

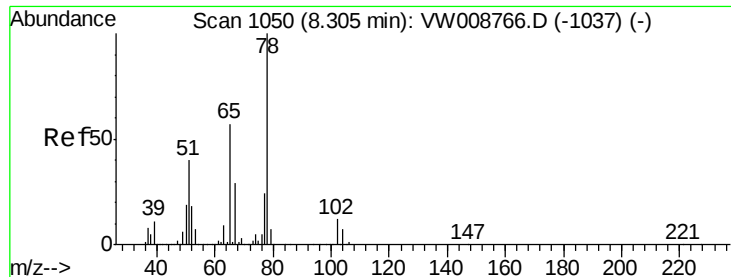
Tot Ion: 42 Resp: 1947
Ion Ratio Lower Upper
42 100
72 33.2 32.7 49.1
71 35.2 31.3 46.9



#31
Cyclohexane
Concen: 1.281 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW008992.D
Acq: 05 Mar 2019 13:14

Tgt Ion: 56 Resp: 5769
Ion Ratio Lower Upper
56 100
69 121.3 28.2 42.4#
84 103.2 74.1 111.1





#33

1,2-Dichloroethane-d4

Concen: 67.548 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008992.D

Acq: 05 Mar 2019 13:14

Instrument :

MSVOA_W

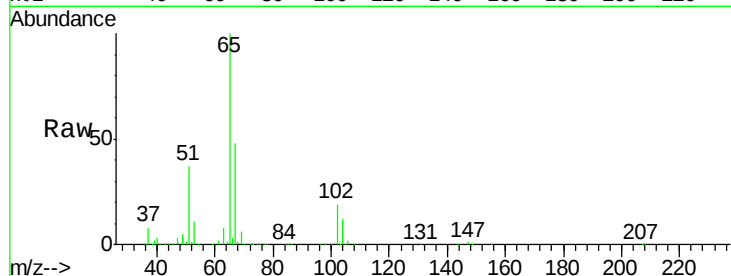
ClientSampled :

Tot Ion: 65 Resp: 161363

Ion Ratio Lower Upper

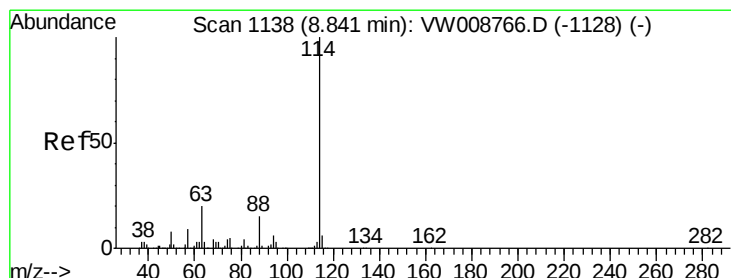
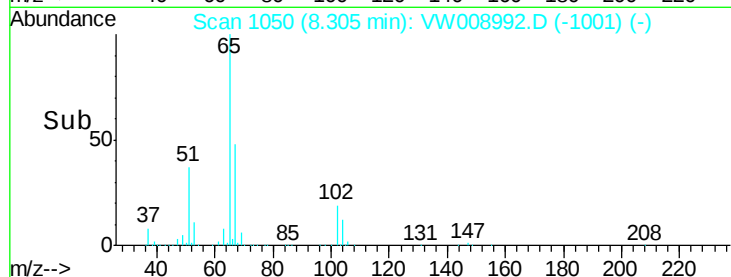
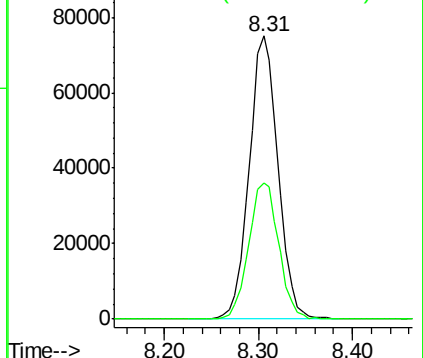
65 100

67 50.1 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: VW008992.D

Acq: 05 Mar 2019 13:14

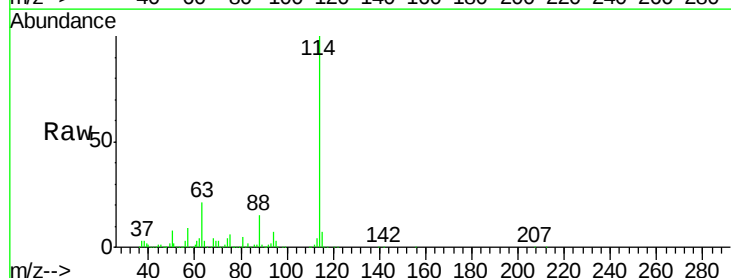
Tgt Ion: 114 Resp: 407655

Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.8

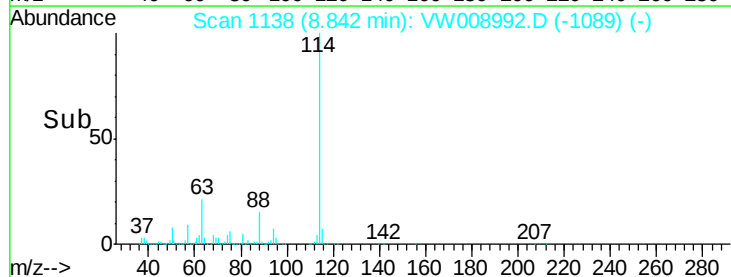
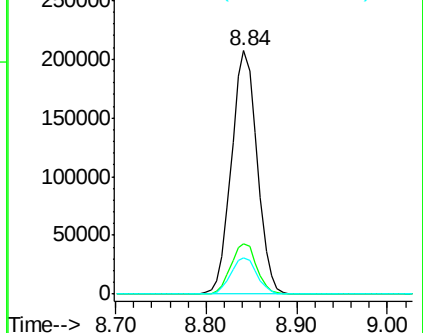
88 15.0 0.0 30.4

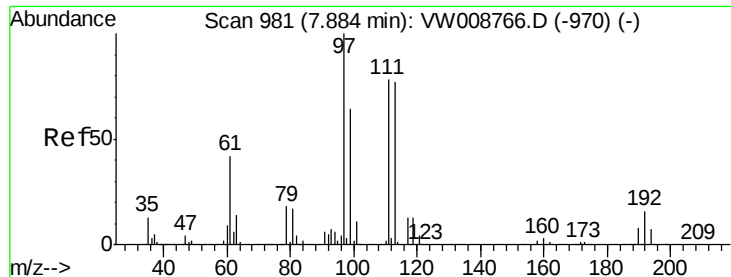


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

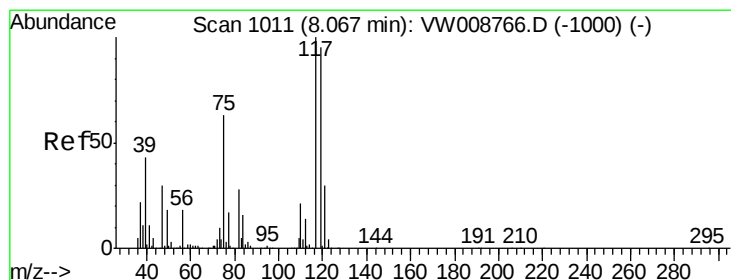
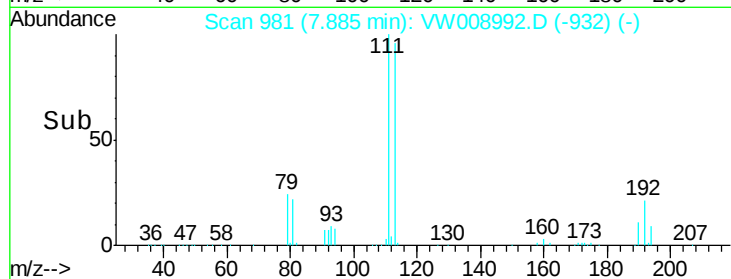
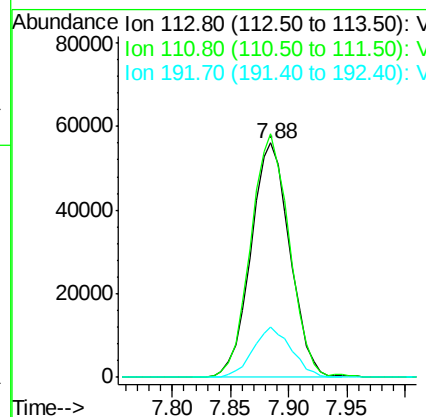
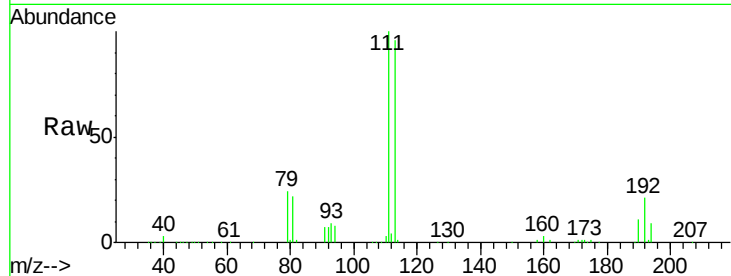




#35
 Dibromofluoromethane
 Concen: 53.063 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008992.D
 Acq: 05 Mar 2019 13:14

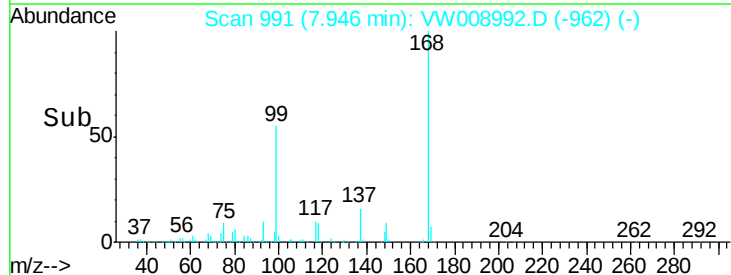
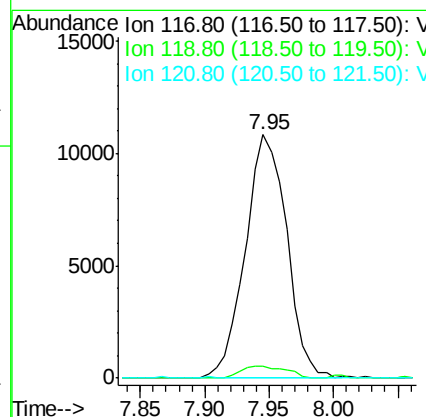
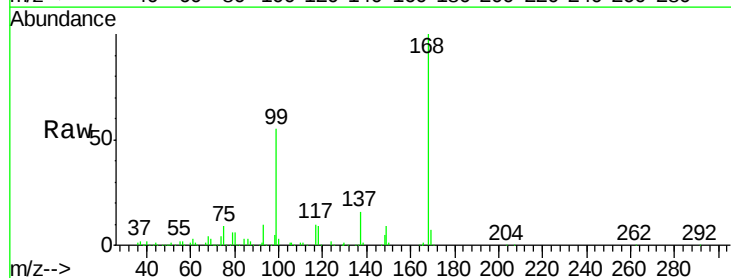
Instrument :
 MSVOA_W
 ClientSampleId :

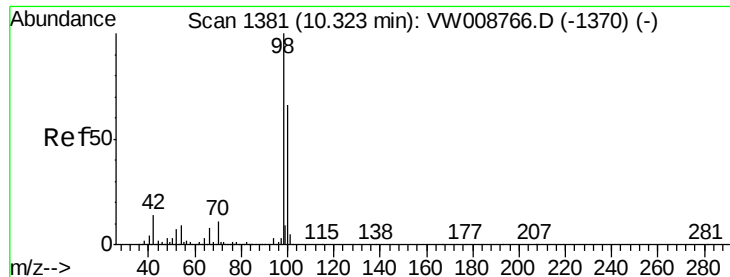
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.0	81.9	122.9
192	21.1	17.1	25.7



#38
 Carbon Tetrachloride
 Concen: 5.775 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW008992.D
 Acq: 05 Mar 2019 13:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.7	76.1	114.1#
121	0.0	24.0	36.0#





#50

Toluene-d8

Concen: 40.347 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008992.D

Acq: 05 Mar 2019 13:14

Instrument :

MSVOA_W

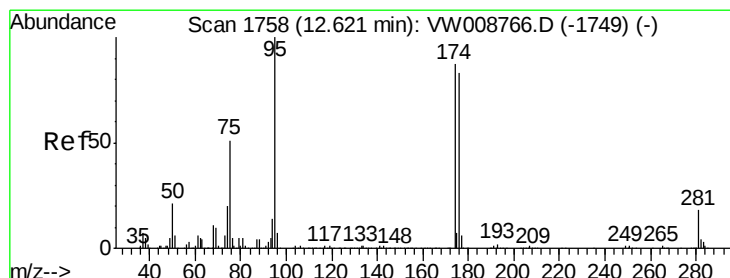
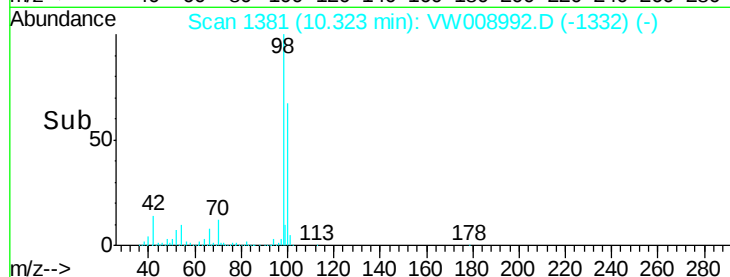
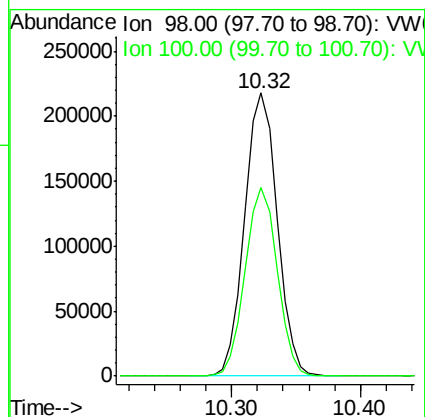
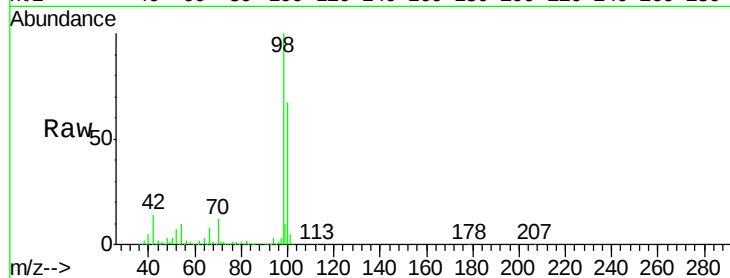
ClientSampleId :

Tot Ion: 98 Resp: 381216

Ion Ratio Lower Upper

98 100

100 65.7 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 16.468 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008992.D

Acq: 05 Mar 2019 13:14

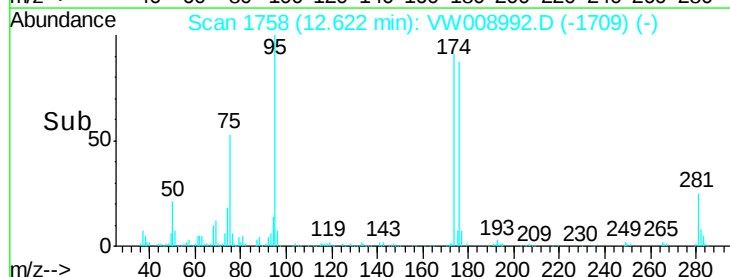
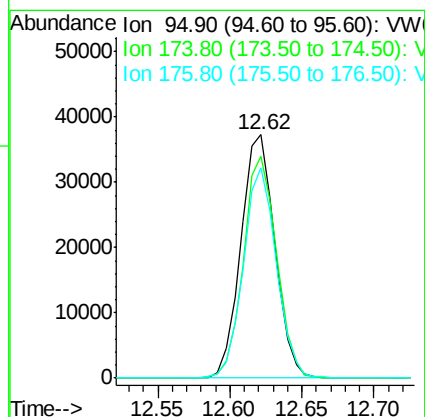
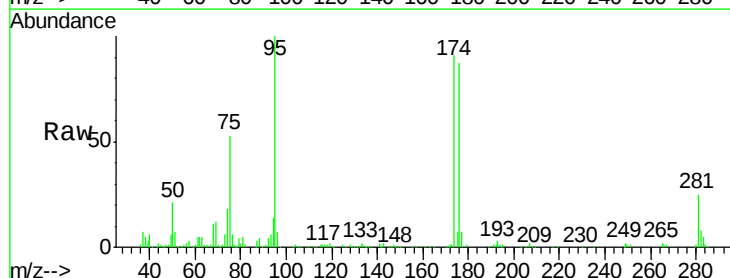
Tgt Ion: 95 Resp: 60922

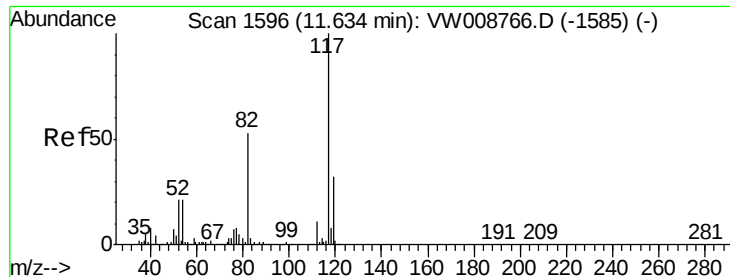
Ion Ratio Lower Upper

95 100

174 89.0 0.0 169.2

176 83.7 0.0 163.6

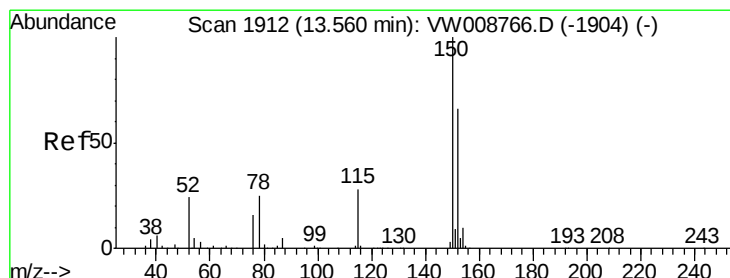
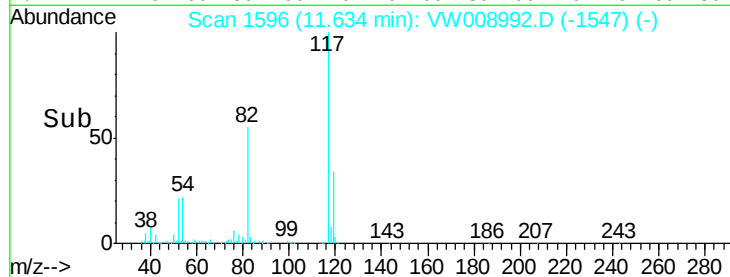
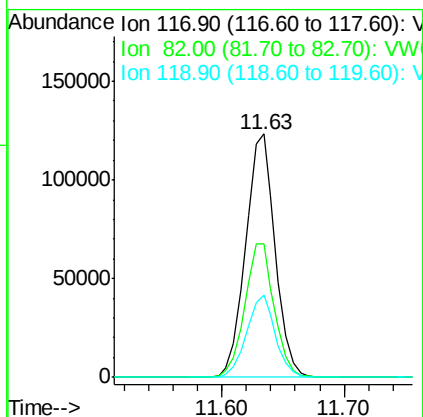
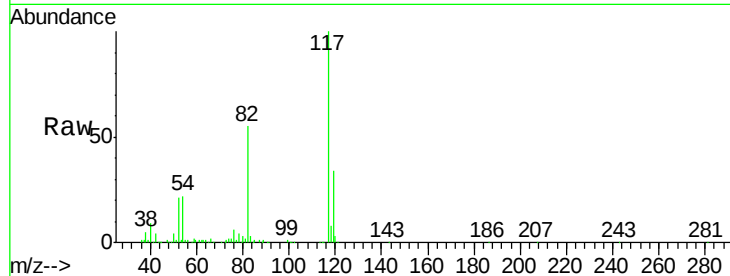




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008992.D
Acq: 05 Mar 2019 13:14

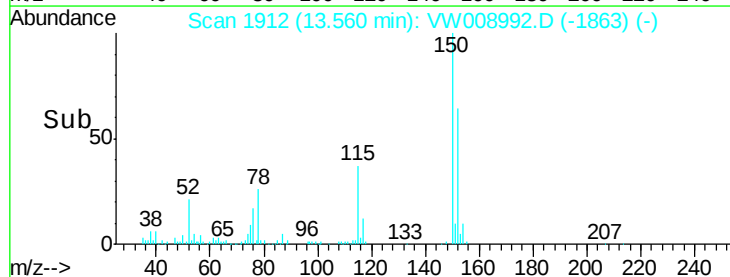
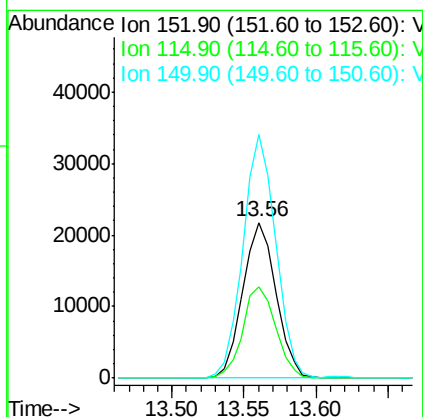
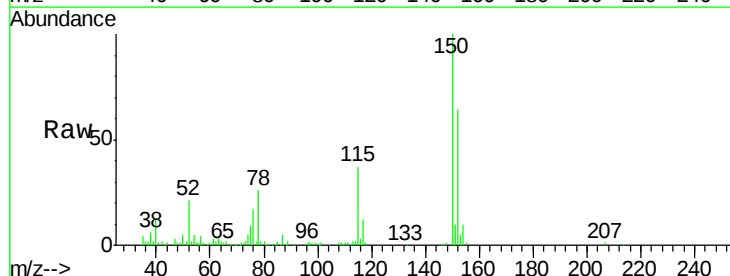
Instrument :
MSVOA_W
ClientSampleId :

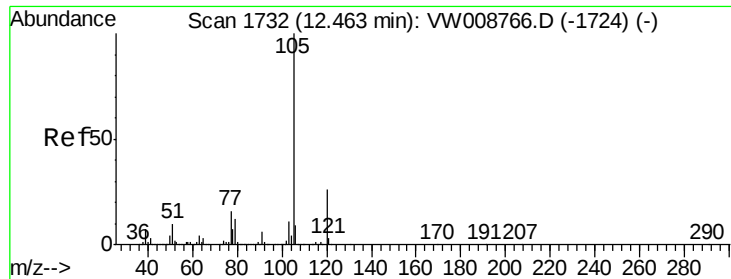
Tot Ion:117 Resp: 206264
Ion Ratio Lower Upper
117 100
82 54.9 42.2 63.4
119 33.9 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008992.D
Acq: 05 Mar 2019 13:14

Tgt Ion:152 Resp: 34814
Ion Ratio Lower Upper
152 100
115 58.4 28.6 85.8
150 153.7 0.0 348.0





#73

Isopropylbenzene

Concen: 1.102 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW008992.D

Acq: 05 Mar 2019 13:14

Instrument :

MSVOA_W

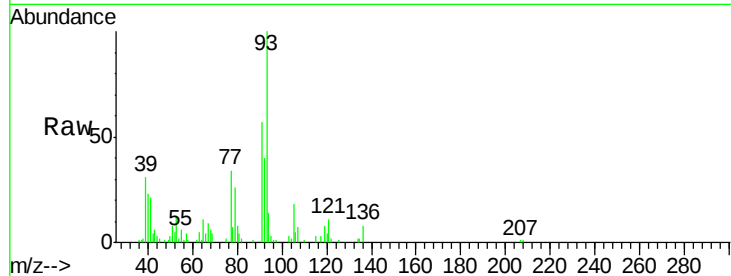
ClientSampleId :

Tot Ion:105 Resp: 2630

Ion Ratio Lower Upper

105 100

120 17.6 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

1500

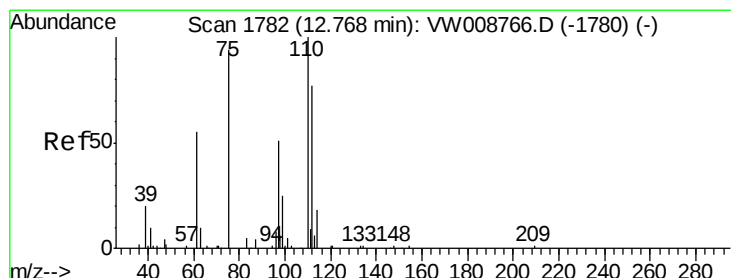
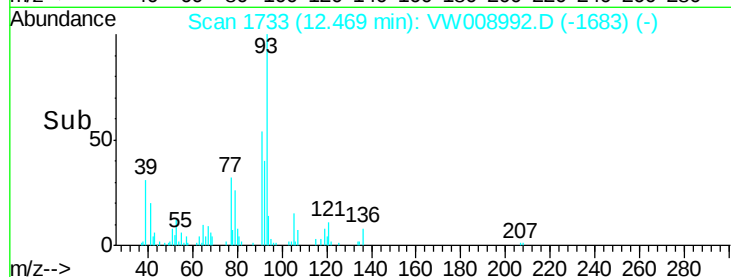
1000

500

0

12.40 12.45 12.50

Time-->



#76

1,2,3-Trichloropropane

Concen: 113.845 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008992.D

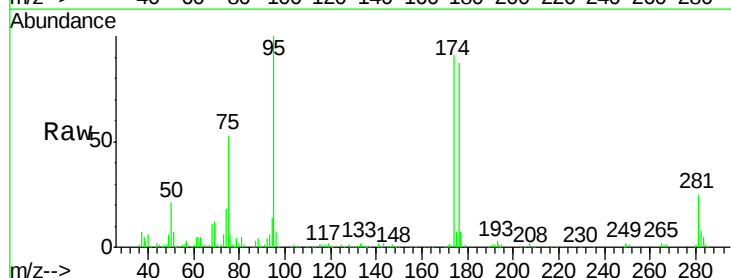
Acq: 05 Mar 2019 13:14

Tgt Ion: 75 Resp: 32723

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

20000

15000

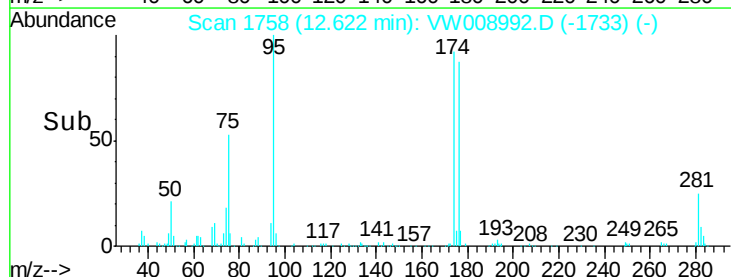
10000

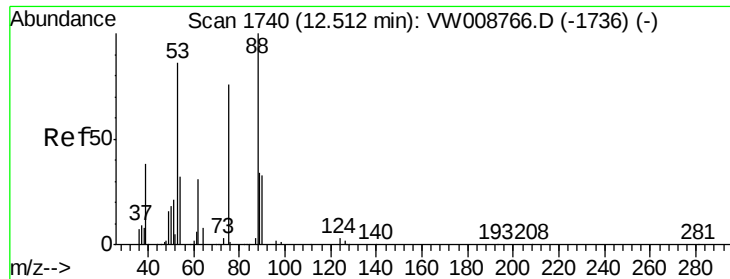
5000

0

12.55 12.60 12.65 12.70

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 276.765 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008992.D

Acq: 05 Mar 2019 13:14

Instrument :

MSVOA_W

ClientSampled :

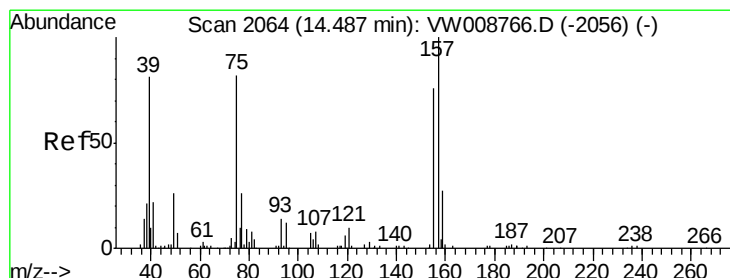
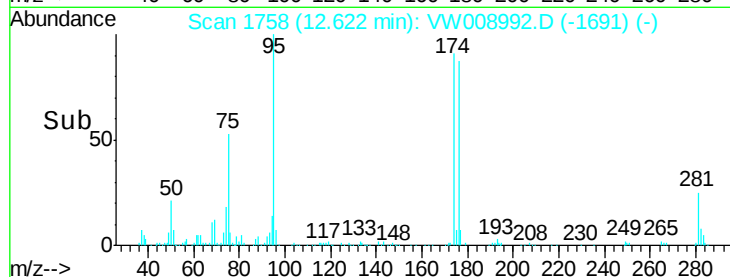
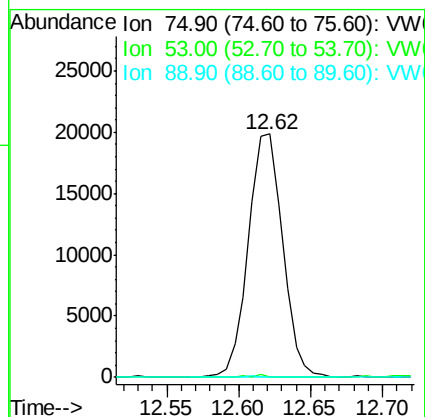
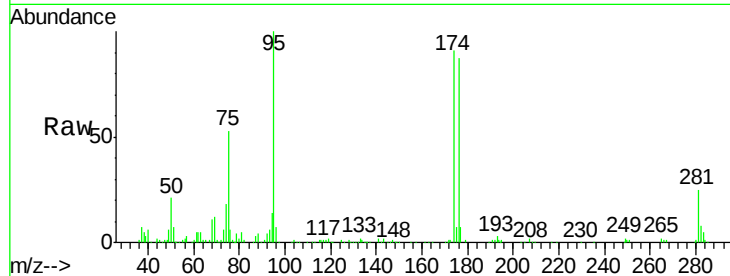
Tot Ion: 75 Resp: 32723

Ion Ratio Lower Upper

75 100

53 0.5 88.2 132.2#

89 0.3 39.5 59.3#



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.092 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW008992.D

Acq: 05 Mar 2019 13:14

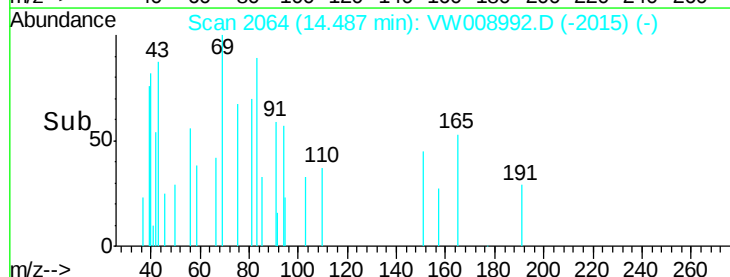
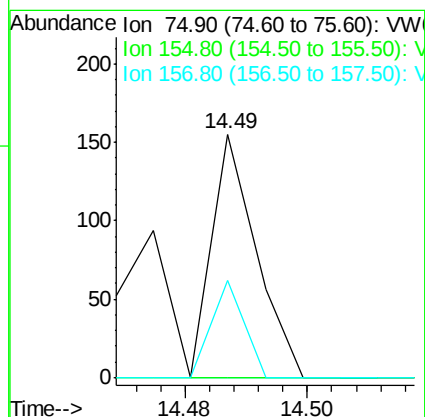
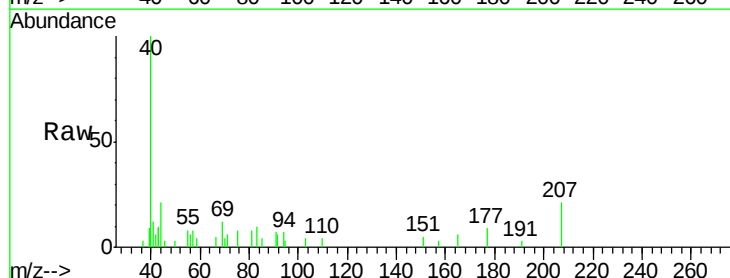
Tgt Ion: 75 Resp: 77

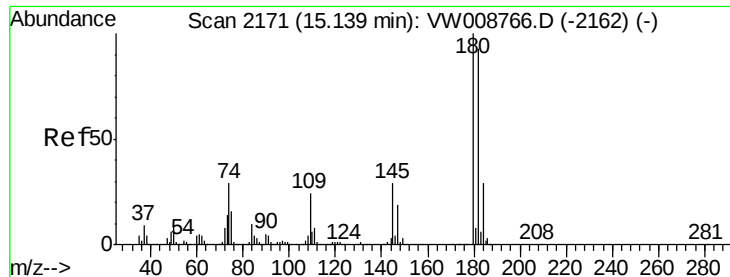
Ion Ratio Lower Upper

75 100

155 0.0 41.8 125.4#

157 29.9 56.6 169.9#

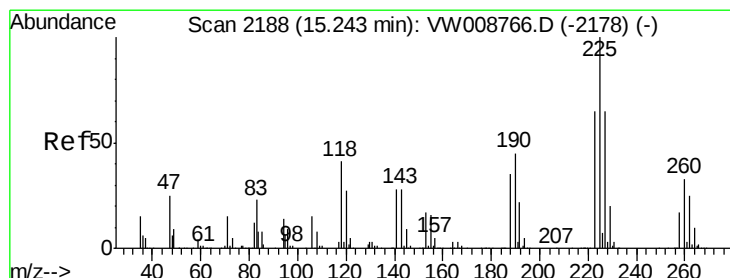
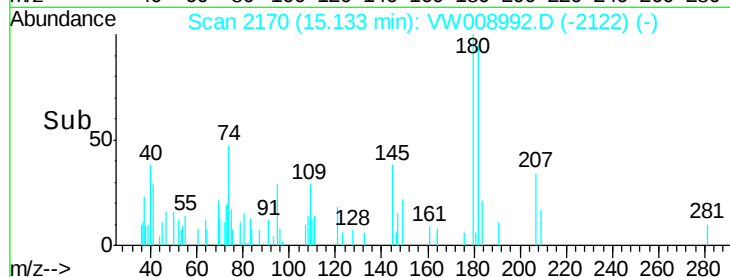
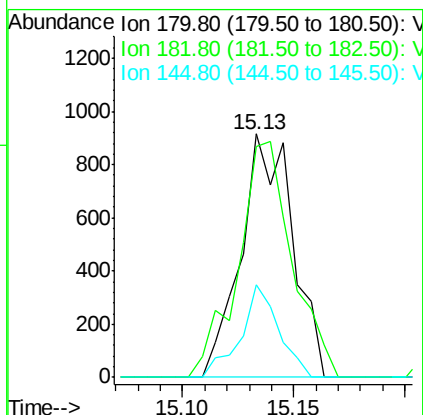
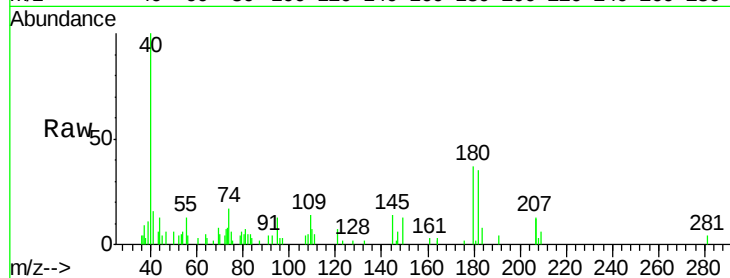




#93
 1,2,4-Trichlorobenzene
 Concen: 1.975 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW008992.D
 Acq: 05 Mar 2019 13:14

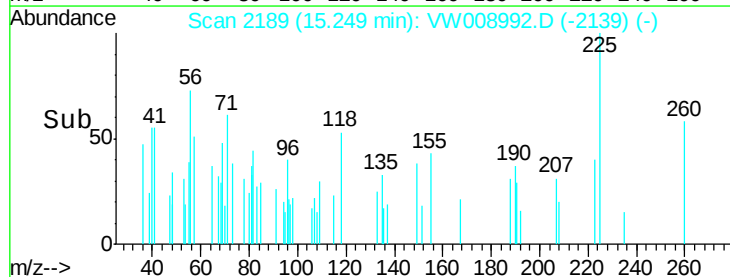
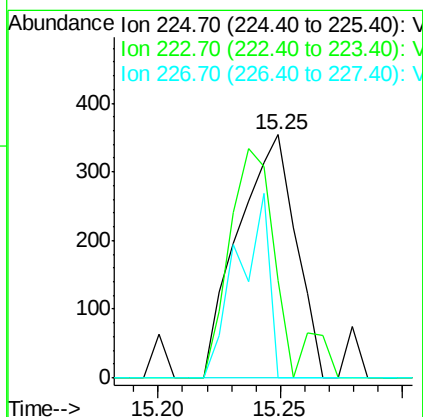
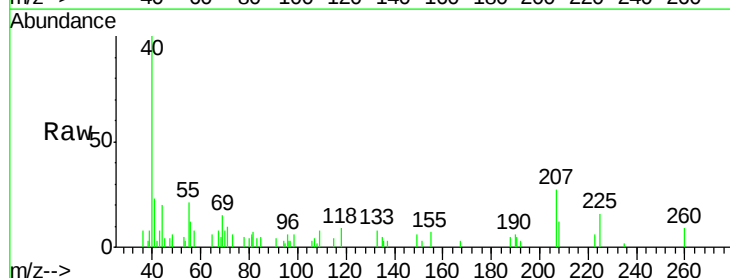
Instrument :
 MSVOA_W
 ClientSampleId :

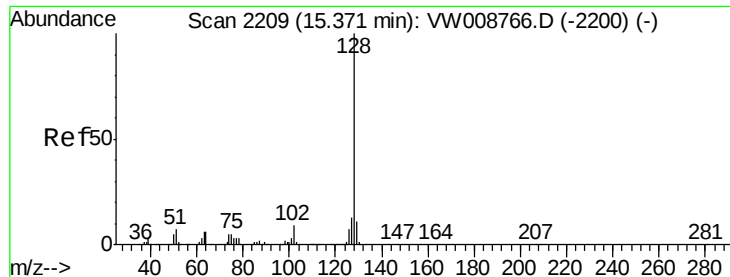
Tot Ion:180 Resp: 1484
 Ion Ratio Lower Upper
 180 100
 182 101.2 47.2 141.6
 145 28.0 14.4 43.0



#94
 Hexachlorobutadiene
 Concen: 1.313 ug/l
 RT: 15.25 min Scan# 2189
 Delta R.T. 0.01 min
 Lab File: VW008992.D
 Acq: 05 Mar 2019 13:14

Tgt Ion:225 Resp: 581
 Ion Ratio Lower Upper
 225 100
 223 78.5 31.5 94.5
 227 41.8 31.6 94.8

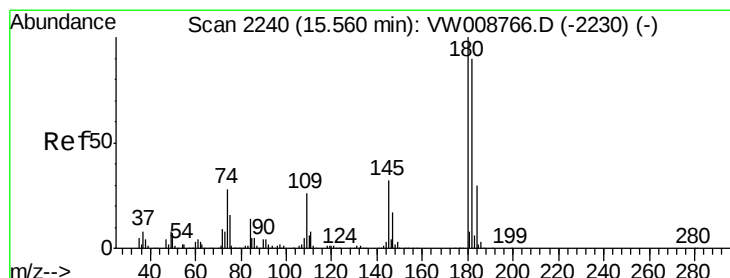
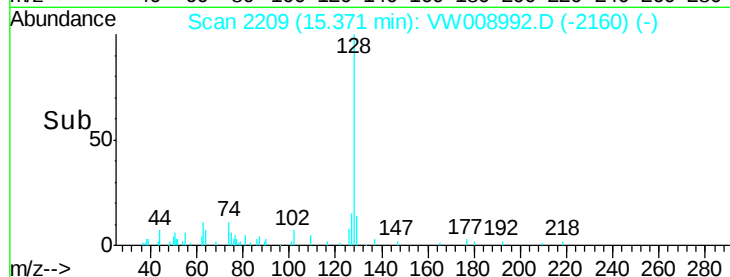
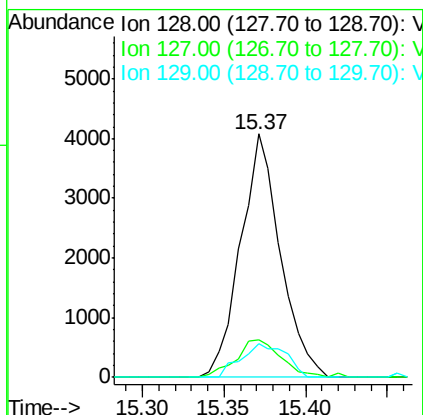
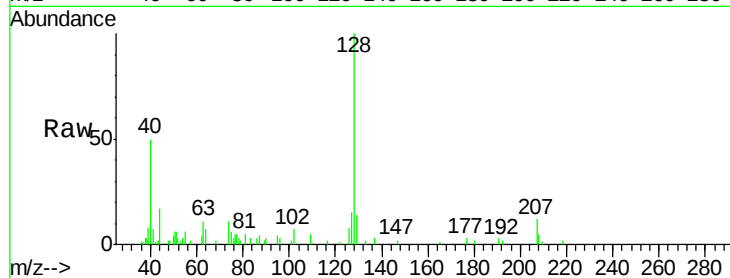




#95
Naphthalene
Concen: 5.417 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008992.D
Acq: 05 Mar 2019 13:14

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:128 Resp: 6928
Ion Ratio Lower Upper
128 100
127 17.6 10.8 16.2#
129 15.6 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 2.365 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.01 min
Lab File: VW008992.D
Acq: 05 Mar 2019 13:14

Tgt Ion:180 Resp: 1536
Ion Ratio Lower Upper
180 100
182 91.5 46.9 140.8
145 33.8 15.9 47.6

