

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW012219\
 Data File : VW008390.D
 Acq On : 22 Jan 2019 15:56
 Operator : SY/VA
 Sample : K1220-02
 Misc : 5.05G/5ML/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 S-1A

Quant Time: Jan 23 00:42:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W011719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 18 00:57:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	110618	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	205840	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	190378	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	88362	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	51242	44.53	ug/l	0.00
Spiked Amount			Recovery	=	89.06%	
35) Dibromofluoromethane	7.88	113	48517	36.92	ug/l	0.00
Spiked Amount			Recovery	=	73.84%	
50) Toluene-d8	10.32	98	182403	35.34	ug/l	0.00
Spiked Amount			Recovery	=	70.68%	
62) 4-Bromofluorobenzene	12.62	95	60112	32.47	ug/l	0.00
Spiked Amount			Recovery	=	64.94%	

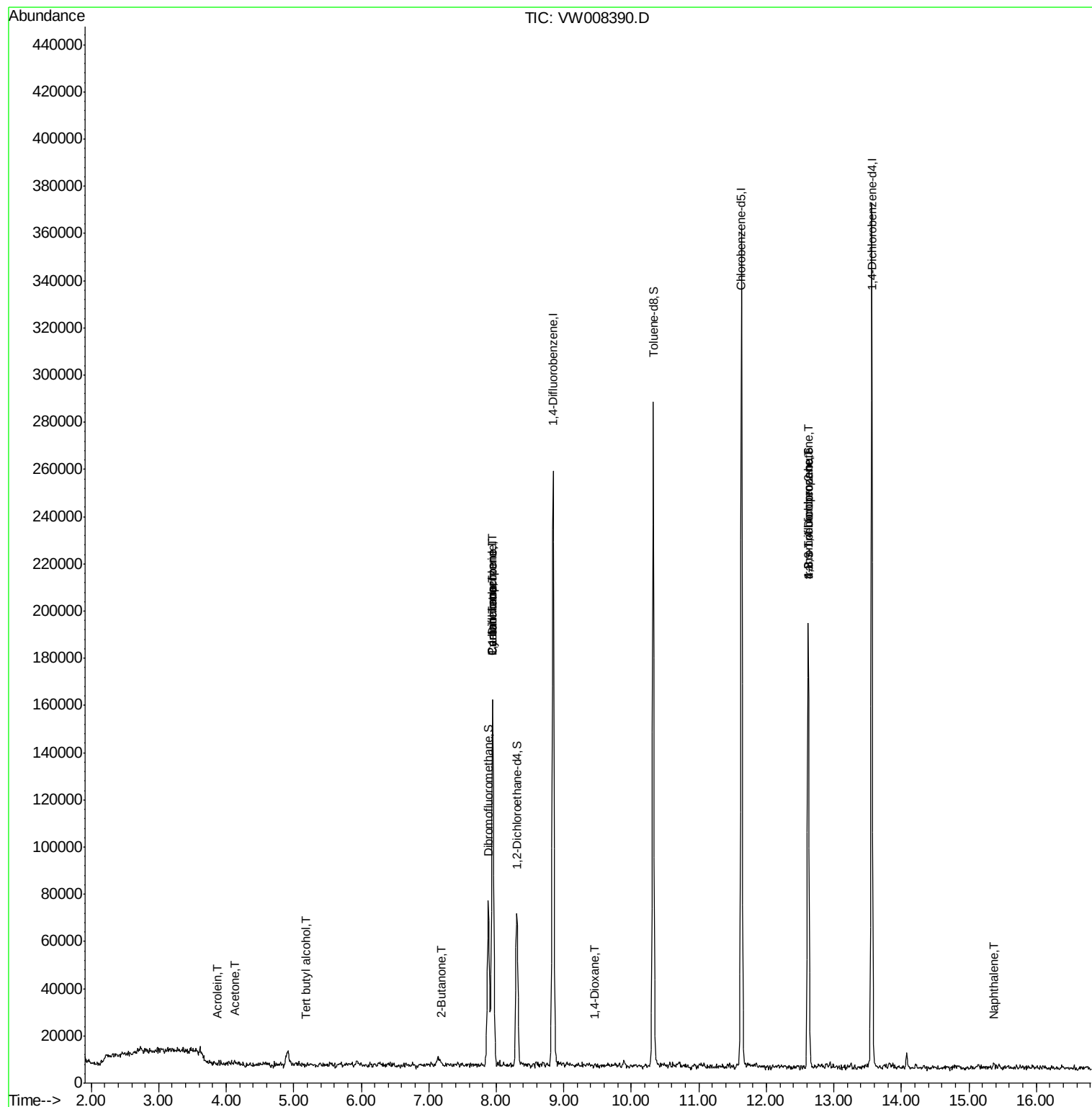
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	238	3.072	ug/l #	75
13) Acrolein	3.87	56	272	11.055	ug/l #	19
16) Acetone	4.13	43	975	3.649	ug/l	92
25) 2-Butanone	7.19	43	354	1.034	ug/l #	74
31) Cyclohexane	7.95	56	3315	1.542	ug/l #	38
36) 1,1-Dichloropropene	7.95	75	10057	4.856	ug/l #	52
38) Carbon Tetrachloride	7.95	117	12059	5.897	ug/l #	19
49) 1,4-Dioxane	9.46	88	199	16.277	ug/l #	35
76) 1,2,3-Trichloropropane	12.62	75	30844	38.331	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	30844	91.474	ug/l #	12
95) Naphthalene	15.38	128	741	2.538	ug/l #	86

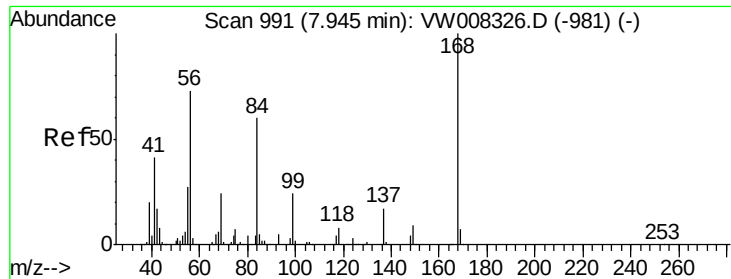
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW012219\
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MSVOA_W
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S-1A

Quant Time: Jan 23 00:42:58 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W011719S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 18 00:57:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW008390.D

Acq: 22 Jan 2019 15:56

Instrument :

MSVOA_W

ClientSampled :

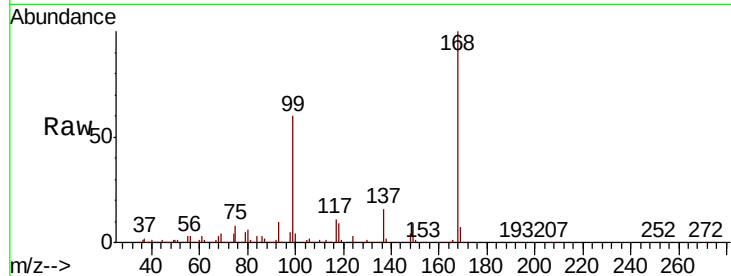
S-1A

Tgt Ion:168 Resp: 110618

Ion Ratio Lower Upper

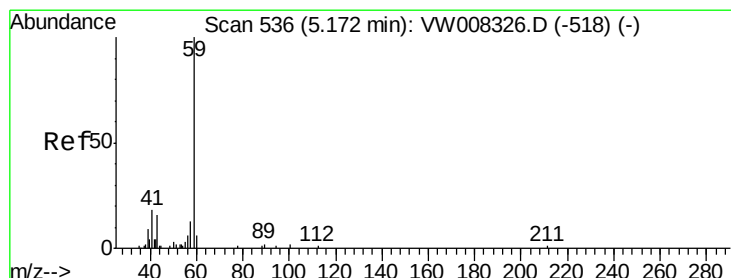
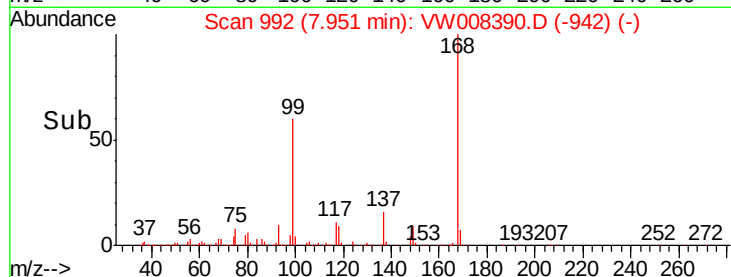
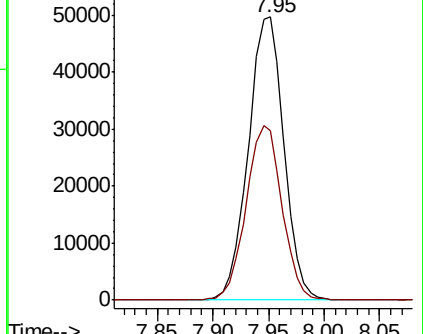
168 100

99 60.0 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 3.072 ug/l

RT: 5.18 min Scan# 537

Delta R.T. 0.01 min

Lab File: VW008390.D

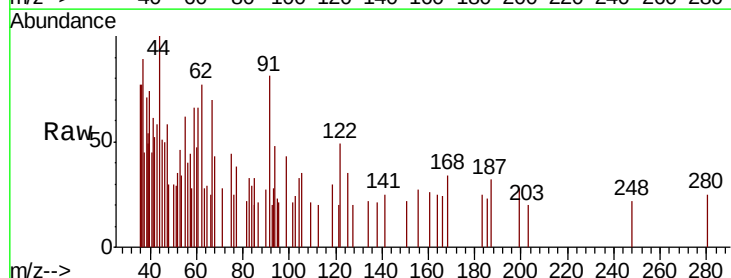
Acq: 22 Jan 2019 15:56

Tgt Ion: 59 Resp: 238

Ion Ratio Lower Upper

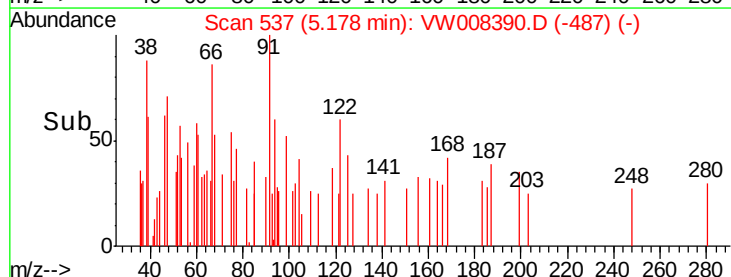
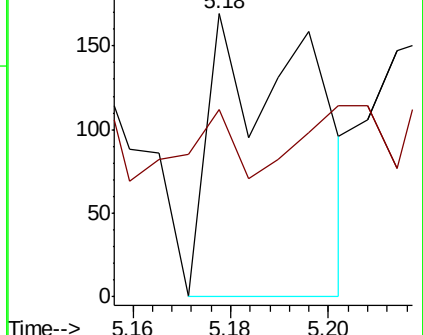
59 100

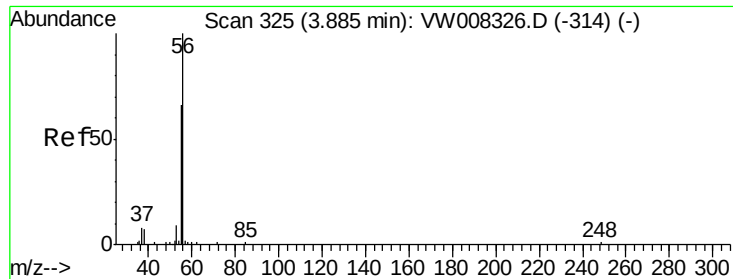
57 21.4 9.4 14.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

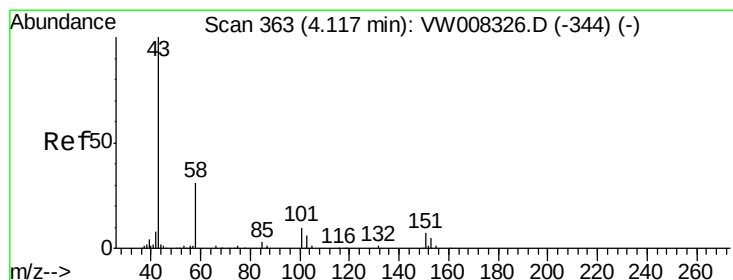
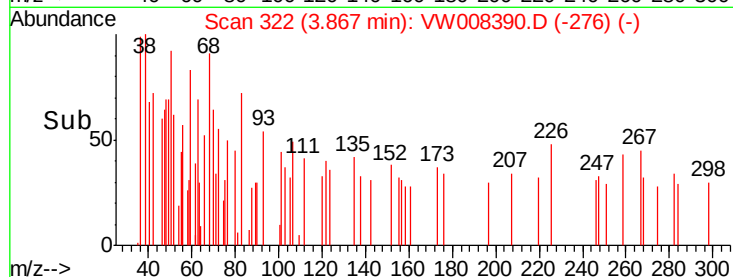
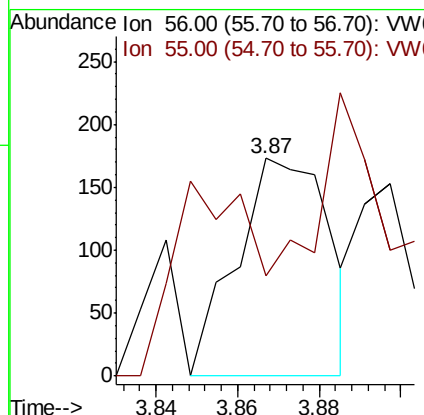
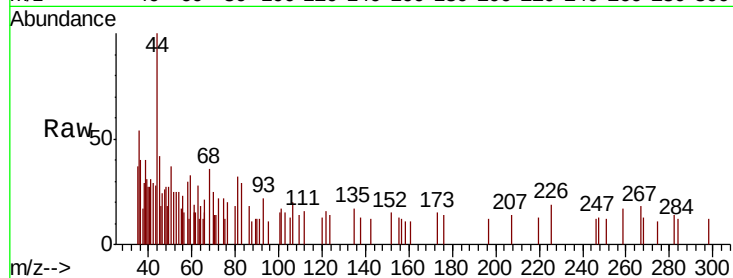




#13
Acrolein
Concen: 11.055 ug/l
RT: 3.87 min Scan# 322
Delta R.T. -0.02 min
Lab File: VW008390.D
Acq: 22 Jan 2019 15:56

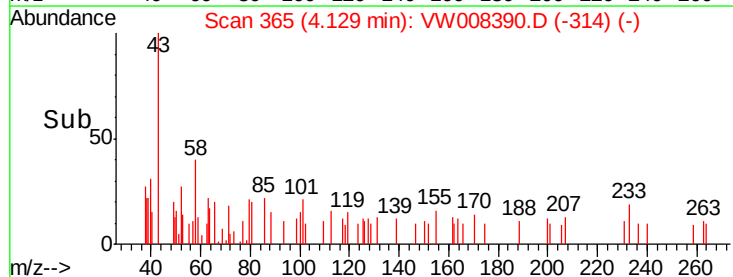
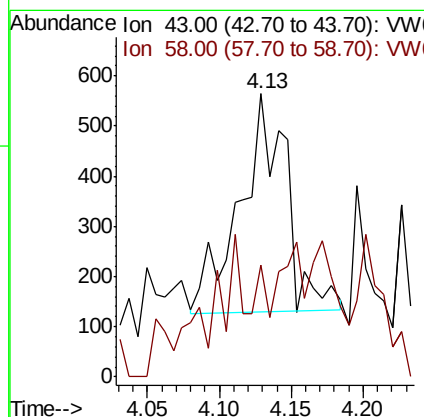
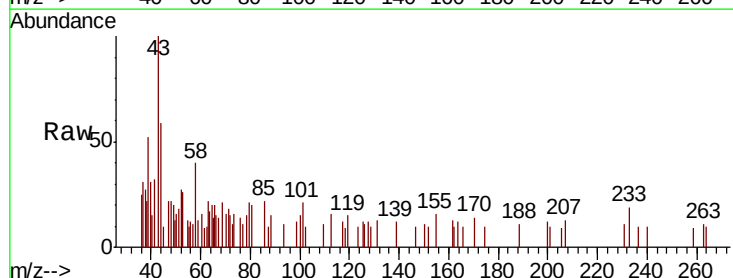
Instrument :
MSVOA_W
ClientSampleId :
S-1A

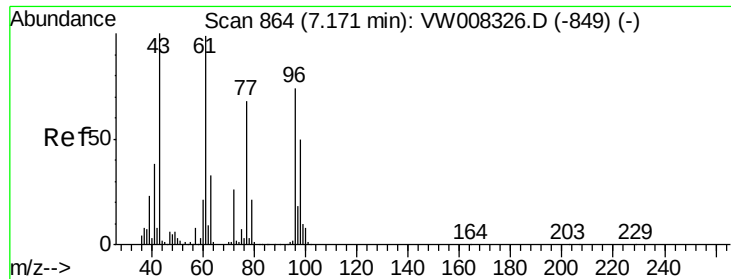
Tgt Ion: 56 Resp: 272
Ion Ratio Lower Upper
56 100
55 130.5 52.9 79.3#



#16
Acetone
Concen: 3.649 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW008390.D
Acq: 22 Jan 2019 15:56

Tgt Ion: 43 Resp: 975
Ion Ratio Lower Upper
43 100
58 26.7 24.7 37.1





#25

2-Butanone

Concen: 1.034 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.02 min

Lab File: VW008390.D

Acq: 22 Jan 2019 15:56

Instrument :

MSVOA_W

ClientSampled :

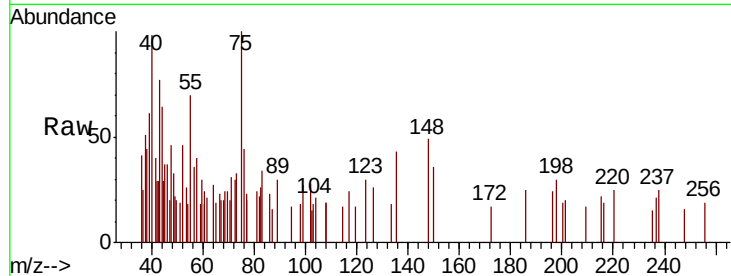
S-1A

Tgt Ion: 43 Resp: 354

Ion Ratio Lower Upper

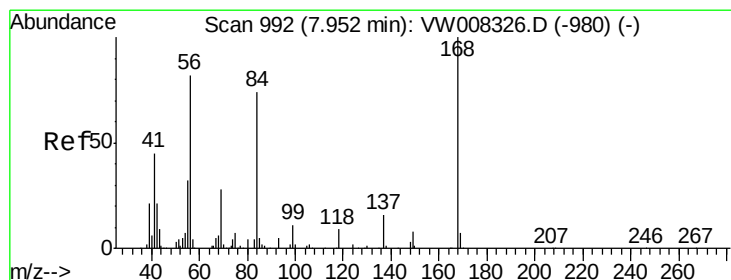
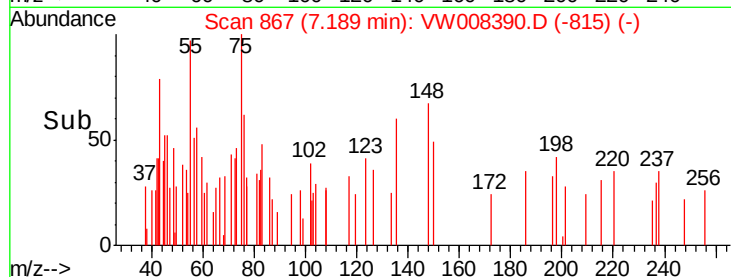
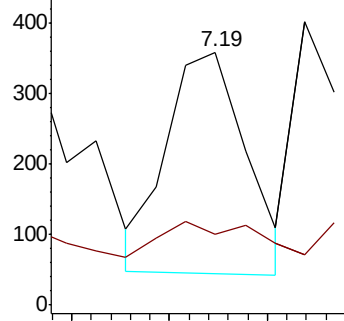
43 100

72 13.1 21.2 31.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#31

Cyclohexane

Concen: 1.542 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW008390.D

Acq: 22 Jan 2019 15:56

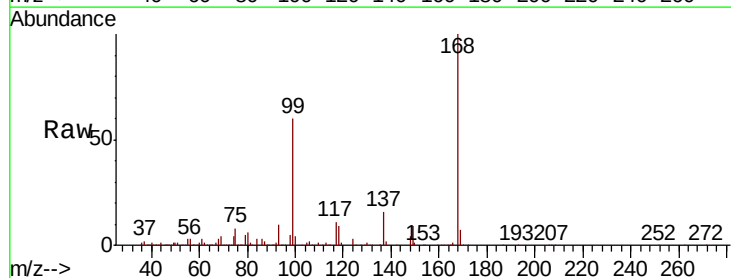
Tgt Ion: 56 Resp: 3315

Ion Ratio Lower Upper

56 100

69 122.0 27.0 40.6#

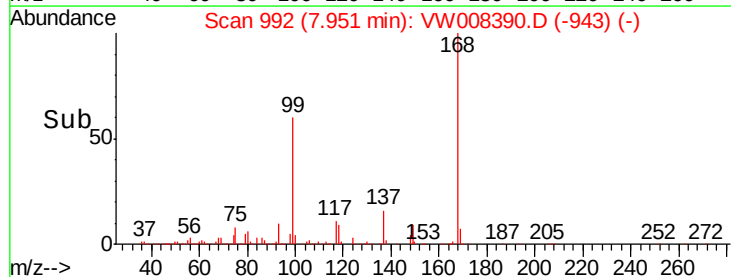
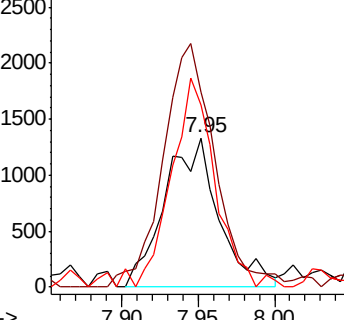
84 117.0 72.5 108.7#

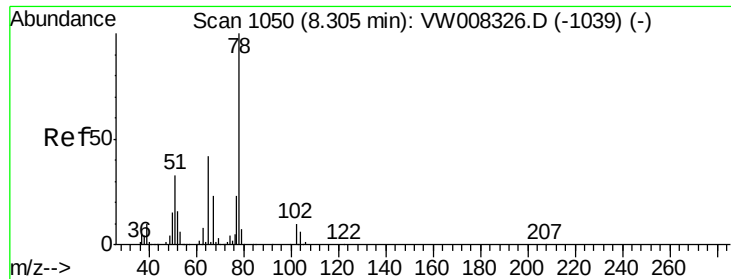


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

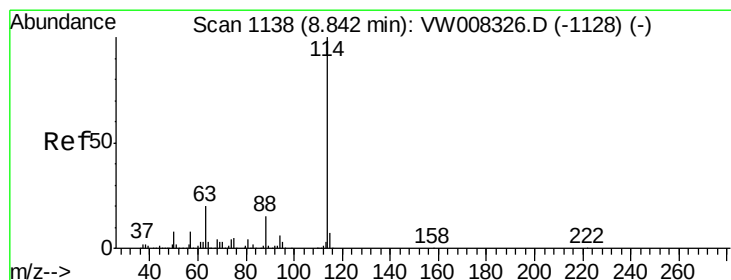
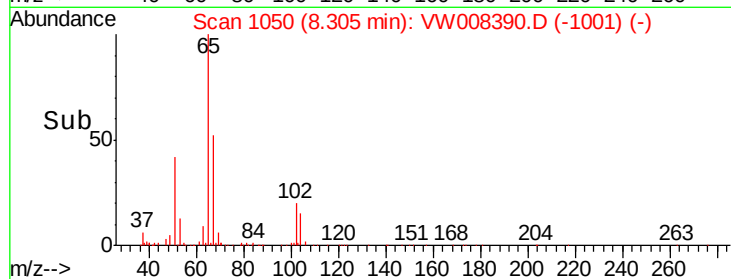
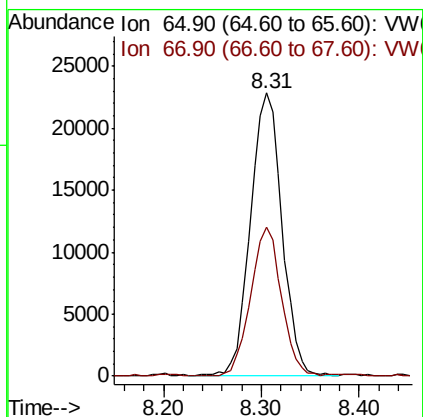
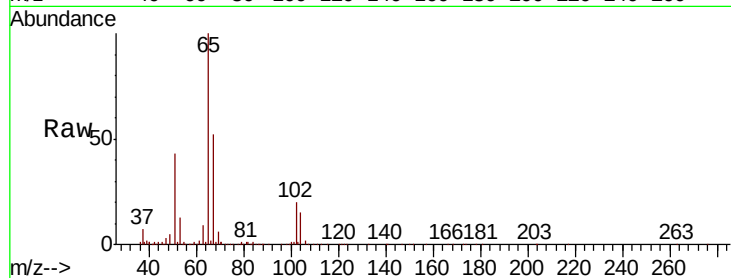




#33
 1,2-Dichloroethane-d4
 Concen: 44.532 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008390.D
 Acq: 22 Jan 2019 15:56

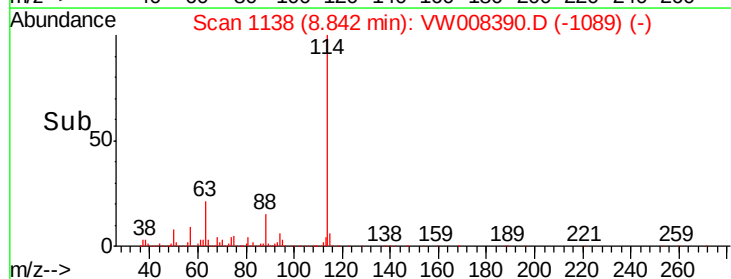
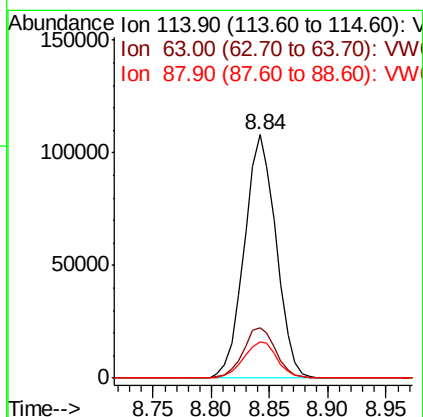
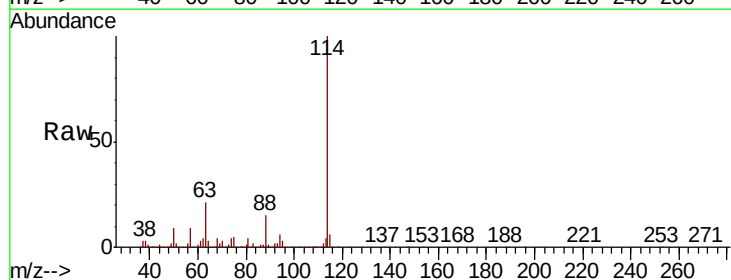
Instrument :
 MSVOA_W
 ClientSampled :
 S-1A

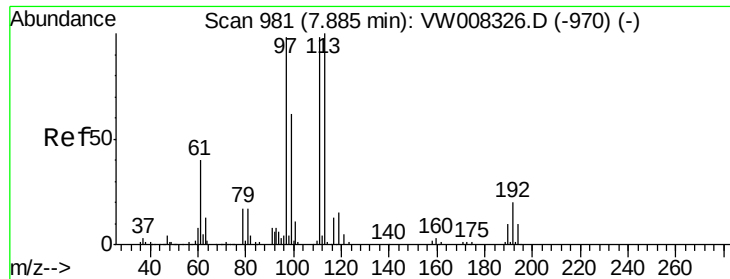
Tgt Ion: 65 Resp: 51242
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008390.D
 Acq: 22 Jan 2019 15:56

Tgt Ion: 114 Resp: 205840
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 40.8
 88 15.0 0.0 30.4





#35

Dibromofluoromethane

Concen: 36.925 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008390.D

Acq: 22 Jan 2019 15:56

Instrument :

MSVOA_W

ClientSampleId :

S-1A

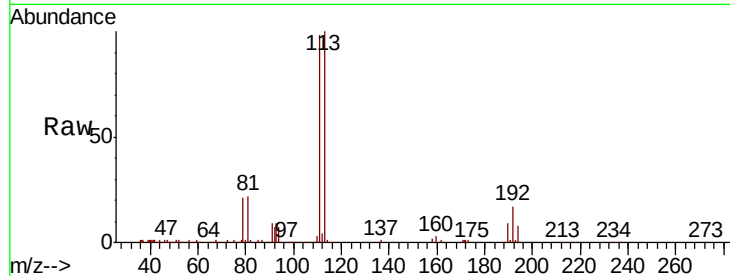
Tgt Ion:113 Resp: 48517

Ion Ratio Lower Upper

113 100

111 101.7 81.8 122.8

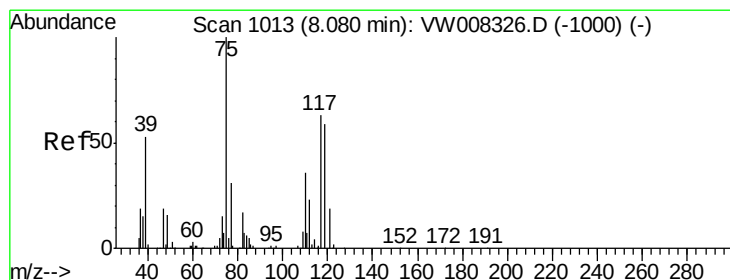
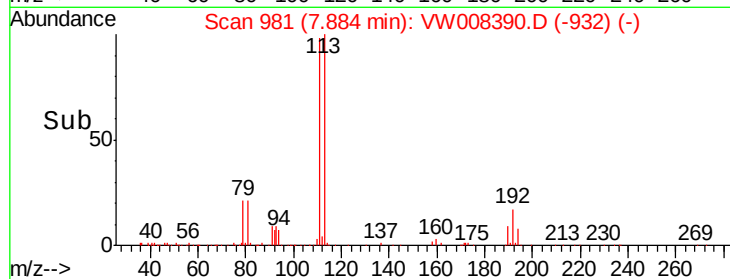
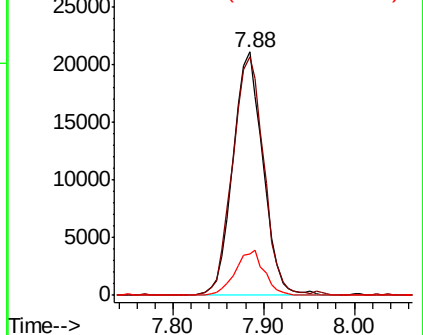
192 17.7 16.3 24.5



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.856 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW008390.D

Acq: 22 Jan 2019 15:56

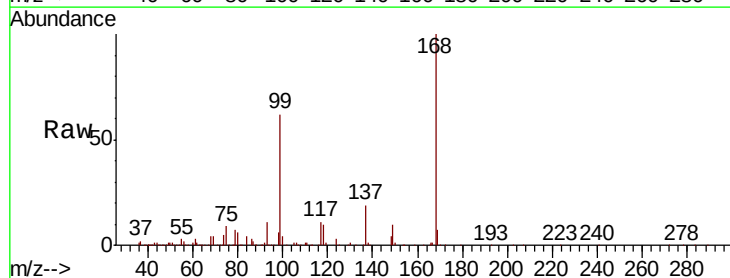
Tgt Ion: 75 Resp: 10057

Ion Ratio Lower Upper

75 100

110 10.3 17.5 52.6#

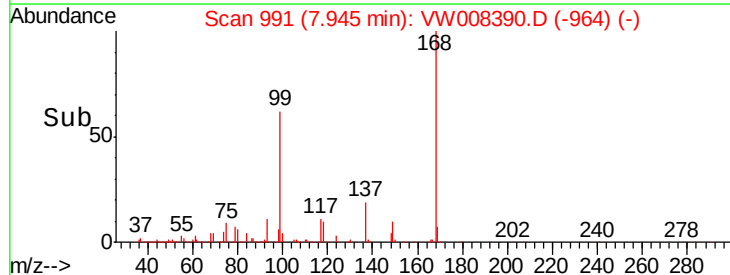
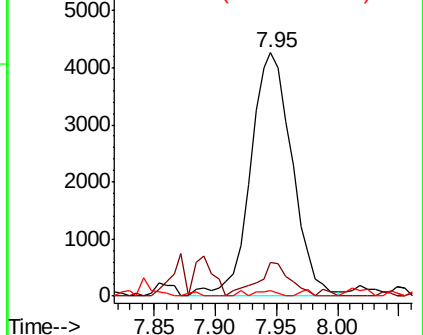
77 1.1 25.0 37.6#

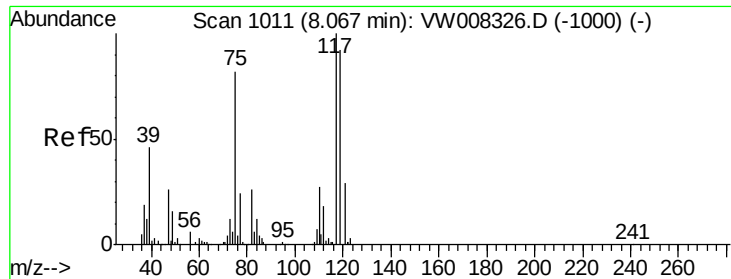


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

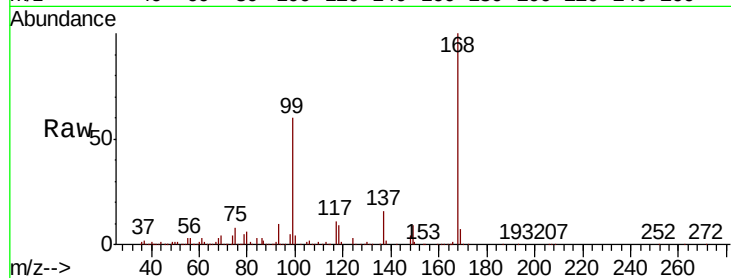




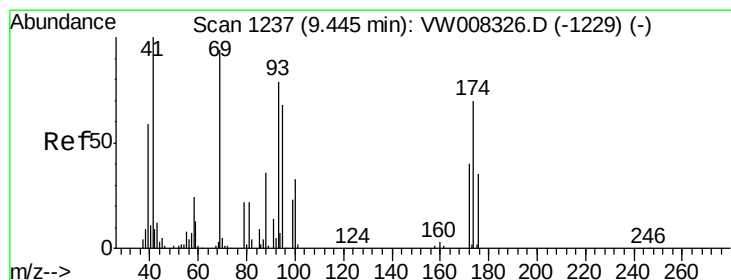
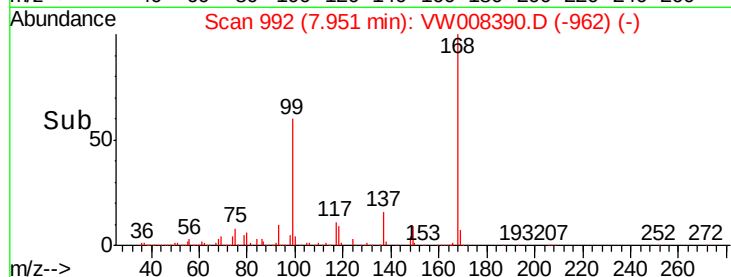
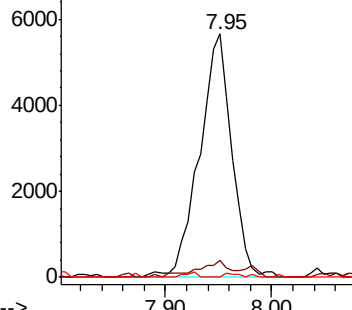
#38
Carbon Tetrachloride
Concen: 5.897 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW008390.D
Acq: 22 Jan 2019 15:56

Instrument :
MSVOA_W
ClientSampled :
S-1A

Tgt Ion: 117 Resp: 12059
Ion Ratio Lower Upper
117 100
119 6.9 73.8 110.6#
121 0.0 23.4 35.0#

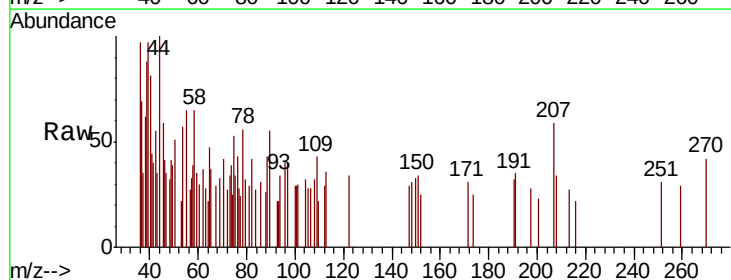


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

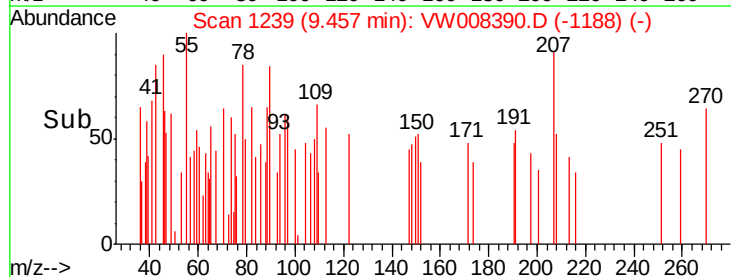
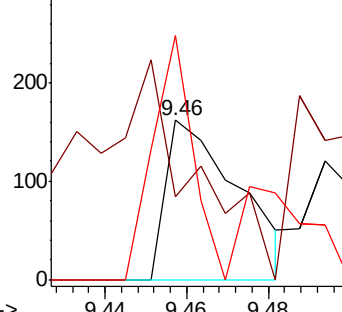


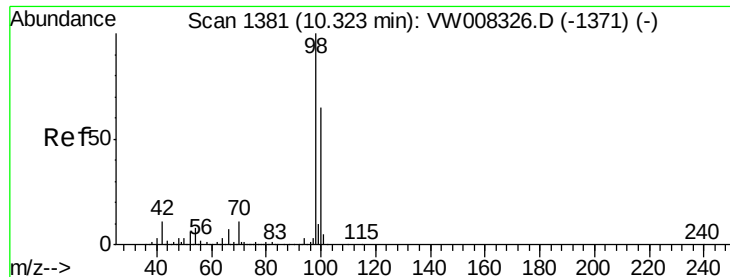
#49
1,4-Dioxane
Concen: 16.277 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW008390.D
Acq: 22 Jan 2019 15:56

Tgt Ion: 88 Resp: 199
Ion Ratio Lower Upper
88 100
43 132.7 27.1 40.7#
58 84.4 57.9 86.9



Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 35.336 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008390.D

Acq: 22 Jan 2019 15:56

Instrument :

MSVOA_W

ClientSampleId :

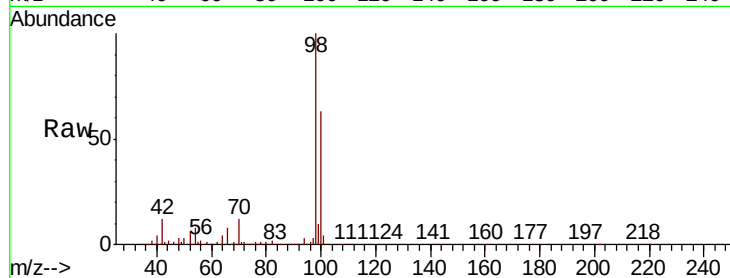
S-1A

Tgt Ion: 98 Resp: 182403

Ion Ratio Lower Upper

98 100

100 63.2 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.32

120000

100000

80000

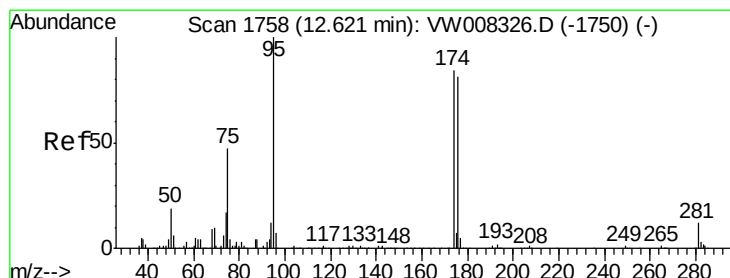
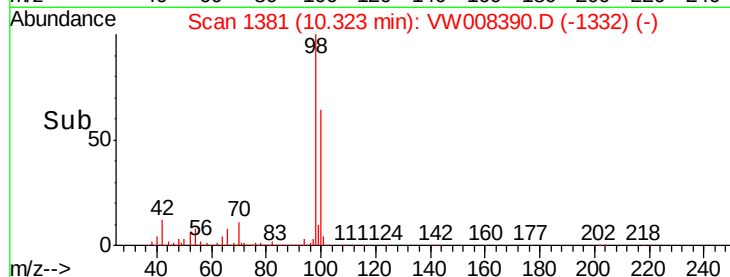
60000

40000

20000

0

Time--> 10.20 10.30 10.40



#62

4-Bromofluorobenzene

Concen: 32.470 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008390.D

Acq: 22 Jan 2019 15:56

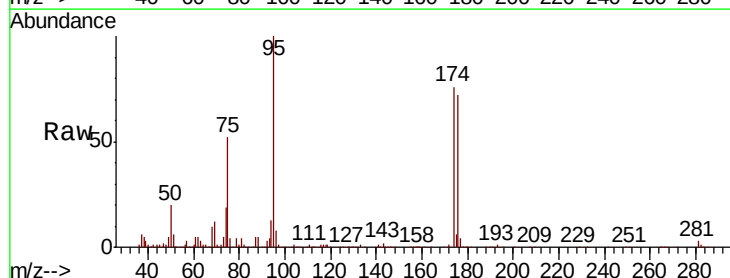
Tgt Ion: 95 Resp: 60112

Ion Ratio Lower Upper

95 100

174 74.9 0.0 166.0

176 73.2 0.0 160.0



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

50000

40000

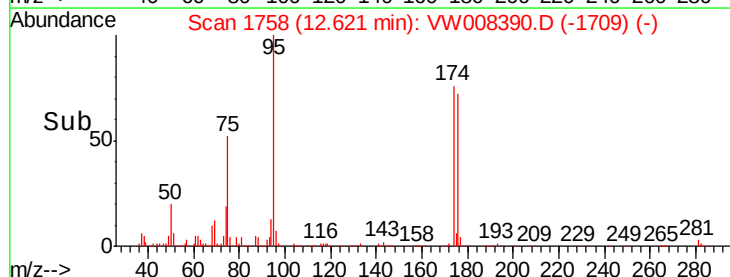
30000

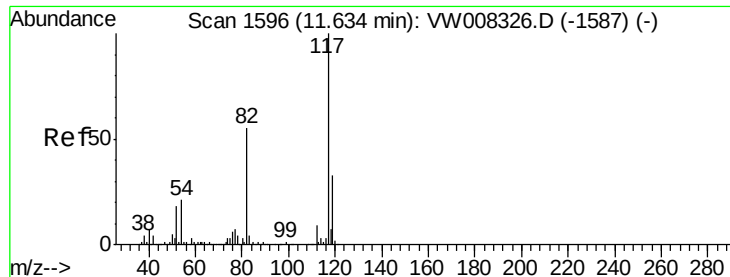
20000

10000

0

Time--> 12.50 12.60 12.70

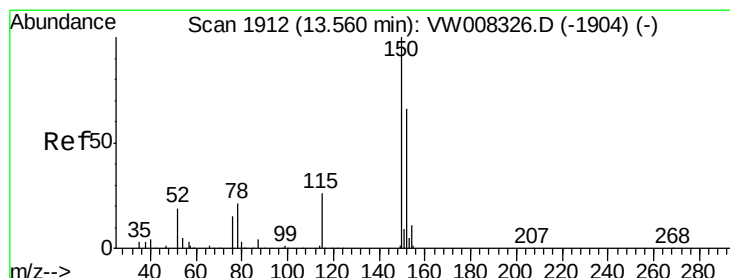
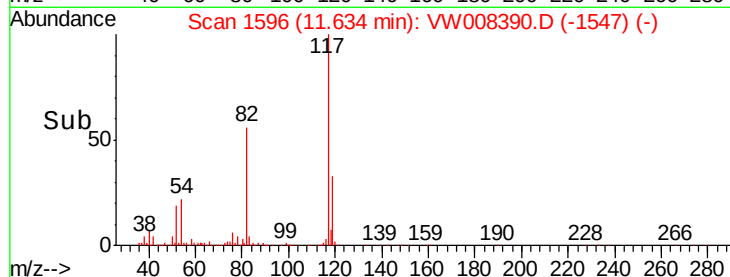
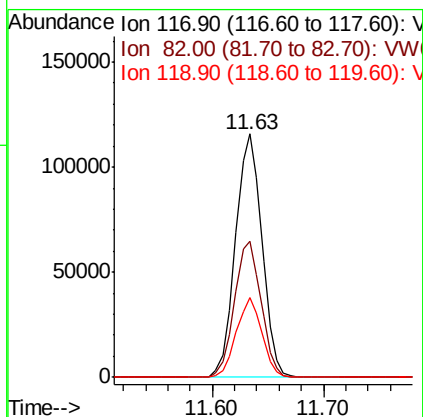
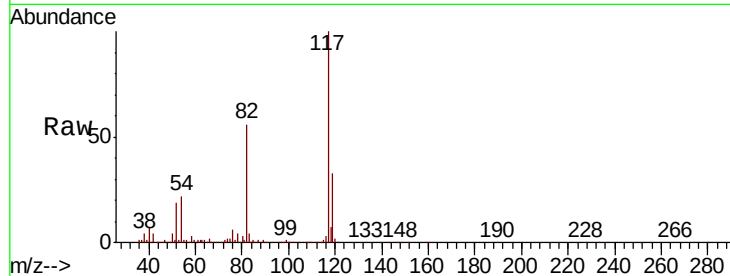




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008390.D
Acq: 22 Jan 2019 15:56

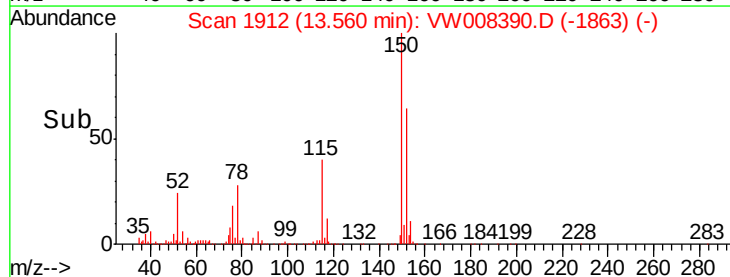
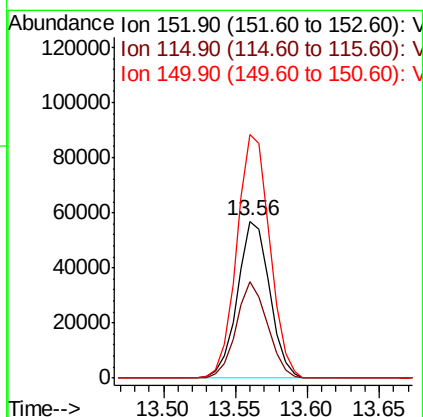
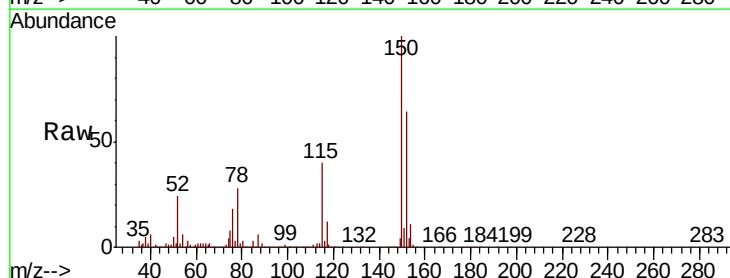
Instrument :
MSVOA_W
ClientSampleId :
S-1A

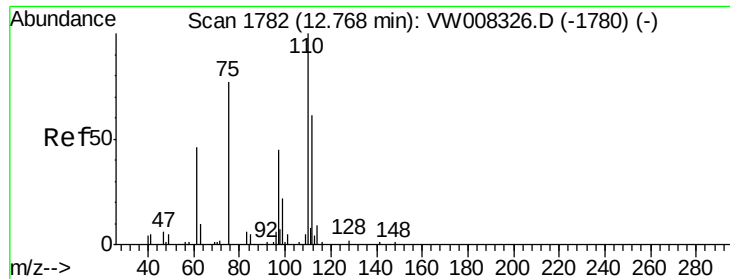
Tgt Ion:117 Resp: 190378
Ion Ratio Lower Upper
117 100
82 55.8 44.3 66.5
119 32.5 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008390.D
Acq: 22 Jan 2019 15:56

Tgt Ion:152 Resp: 88362
Ion Ratio Lower Upper
152 100
115 60.0 28.8 86.4
150 158.5 0.0 351.4





#76

1,2,3-Trichloropropane

Concen: 38.331 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008390.D

Acq: 22 Jan 2019 15:56

Instrument :

MSVOA_W

ClientSampleId :

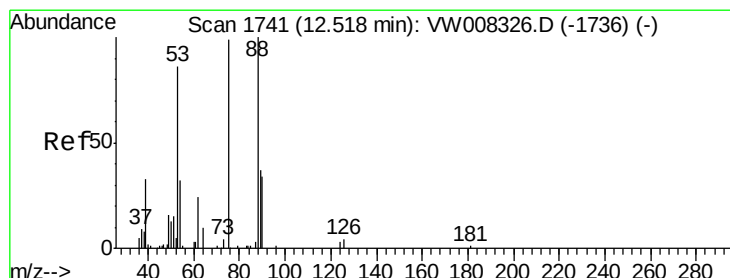
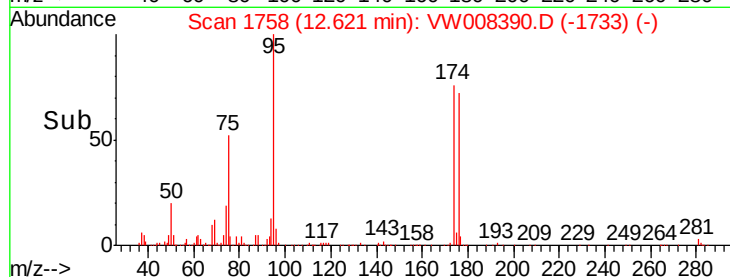
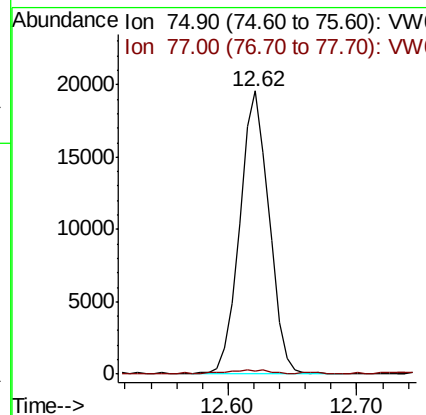
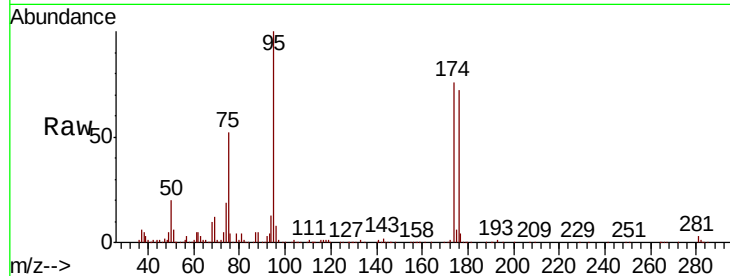
S-1A

Tgt Ion: 75 Resp: 30844

Ion Ratio Lower Upper

75 100

77 2.4 175.3 526.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 91.474 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008390.D

Acq: 22 Jan 2019 15:56

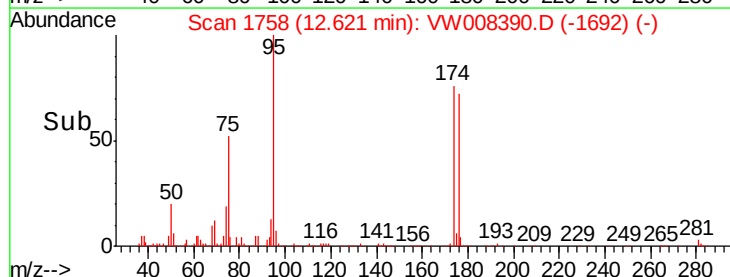
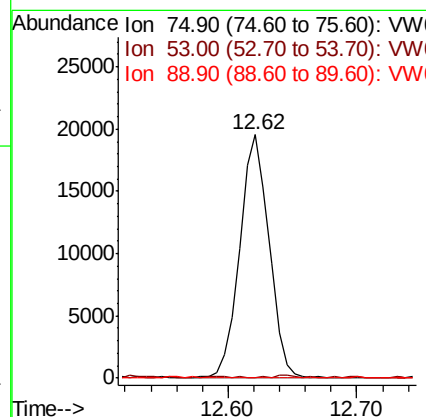
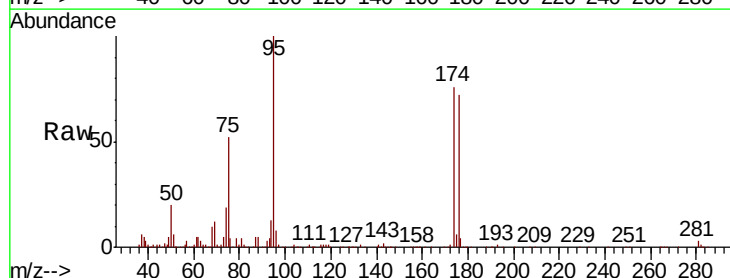
Tgt Ion: 75 Resp: 30844

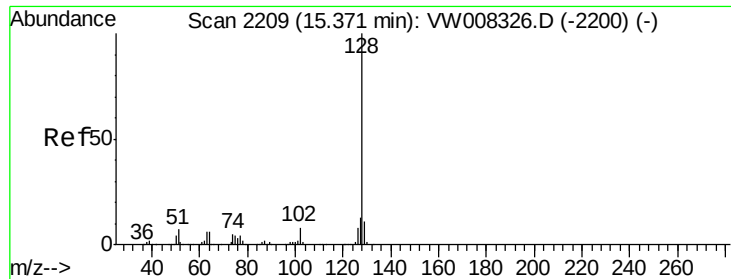
Ion Ratio Lower Upper

75 100

53 1.2 76.2 114.4#

89 0.1 36.7 55.1#





#95

Naphthalene

Concen: 2.538 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW008390.D

Acq: 22 Jan 2019 15:56

Instrument :

MSVOA_W

ClientSampleId :

S-1A

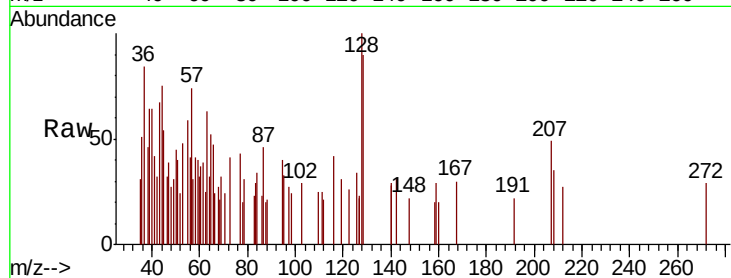
Tgt Ion:128 Resp: 741

Ion Ratio Lower Upper

128 100

127 5.7 10.5 15.7#

129 7.4 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

