

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011619\
 Data File : VW008319.D
 Acq On : 16 Jan 2019 20:03
 Operator : SY/VA
 Sample : K1167-07
 Misc : 6.37G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 D-10

Quant Time: Jan 17 05:05:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 04:40:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	58079	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	107295	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	96420	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	40068	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	37626	57.64	ug/l	0.00
Spiked Amount			Recovery	=	115.28%	
35) Dibromofluoromethane	7.88	113	34441	55.04	ug/l	0.00
Spiked Amount			Recovery	=	110.08%	
50) Toluene-d8	10.32	98	137349	52.30	ug/l	0.00
Spiked Amount			Recovery	=	104.60%	
62) 4-Bromofluorobenzene	12.62	95	43186	45.87	ug/l	0.00
Spiked Amount			Recovery	=	91.74%	

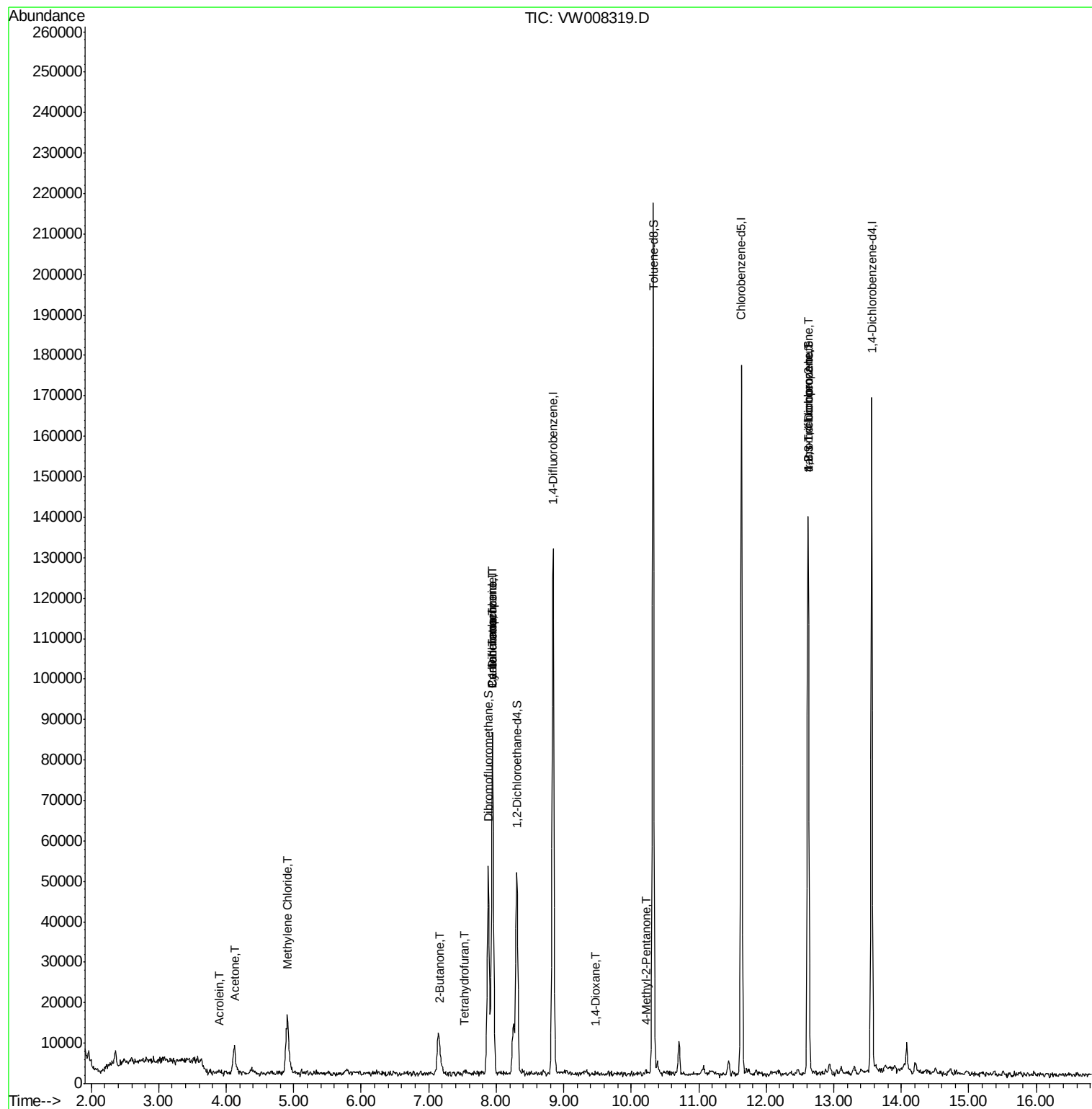
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.25	59	136	Below Cal	#	100
13) Acrolein	3.89	56	243	4.120	ug/l #	58
16) Acetone	4.12	43	10755	77.029	ug/l	94
20) Methylene Chloride	4.91	84	10671	13.051	ug/l	90
25) 2-Butanone	7.17	43	3567	19.640	ug/l	98
29) Tetrahydrofuran	7.53	42	586	4.830	ug/l #	85
31) Cyclohexane	7.95	56	1810	1.318	ug/l #	31
36) 1,1-Dichloropropene	7.95	75	5431	4.914	ug/l #	54
38) Carbon Tetrachloride	7.95	117	6433	6.359	ug/l #	17
49) 1,4-Dioxane	9.46	88	42	7.154	ug/l #	11
51) 4-Methyl-2-Pentanone	10.21	43	800	1.867	ug/l	96
76) 1,2,3-Trichloropropane	12.62	75	21284	58.270	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	21284	135.694	ug/l #	11

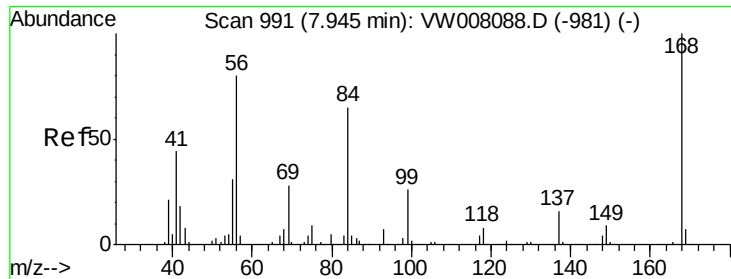
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008319.D

Acq: 16 Jan 2019 20:03

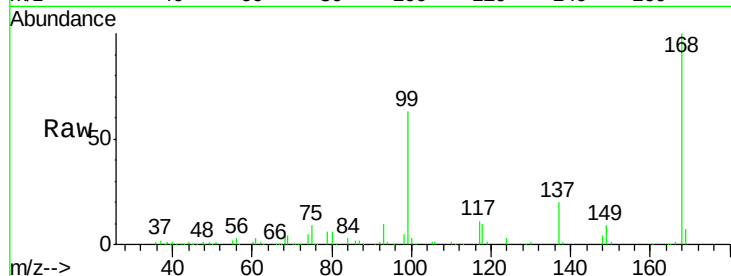
Instrument :
MSVOA_W
ClientSampled :
D-10

Tot Ion:168 Resp: 58079

Ion Ratio Lower Upper

168 100

99 62.5 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

30000

25000

20000

15000

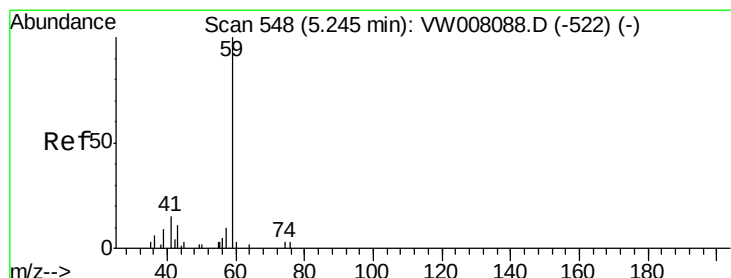
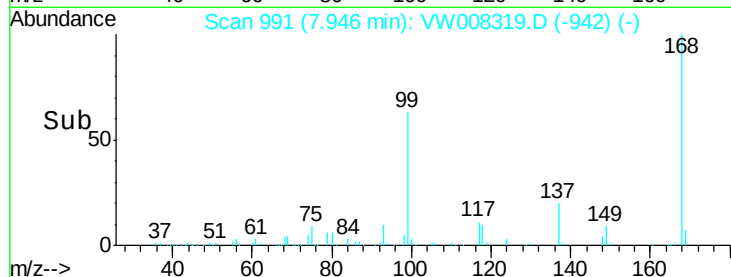
10000

5000

0

Time-->

7.85 7.90 7.95 8.00 8.05



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.25 min Scan# 549

Delta R.T. 0.01 min

Lab File: VW008319.D

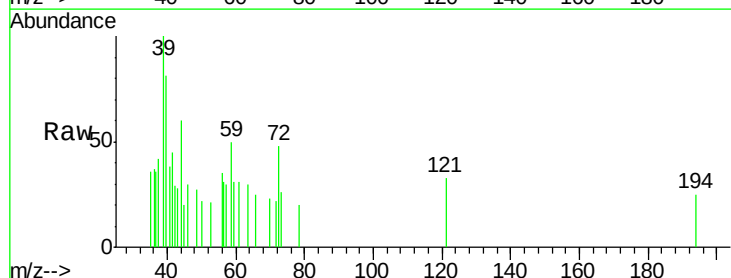
Acq: 16 Jan 2019 20:03

Tgt Ion: 59 Resp: 136

Ion Ratio Lower Upper

59 100

57 19.9 0.0 0.0#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.25

200

150

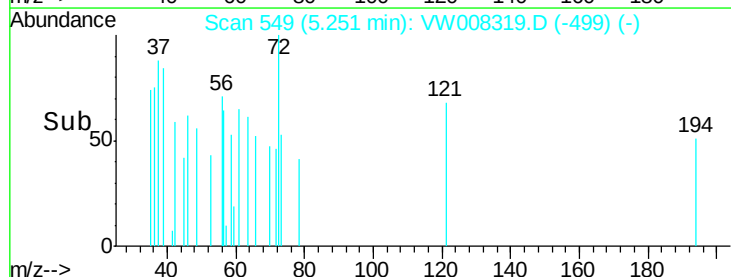
100

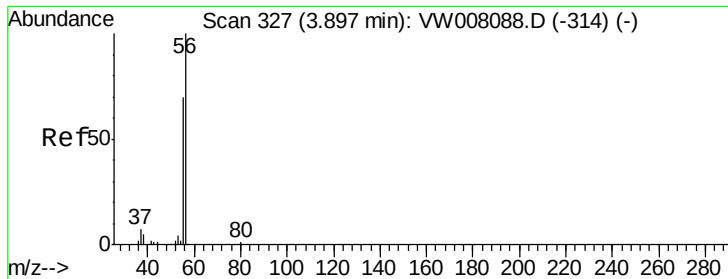
50

0

Time-->

5.22 5.24 5.26





#13

Acrolein

Concen: 4.120 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW008319.D

Acq: 16 Jan 2019 20:03

Instrument :

MSVOA_W

ClientSampled :

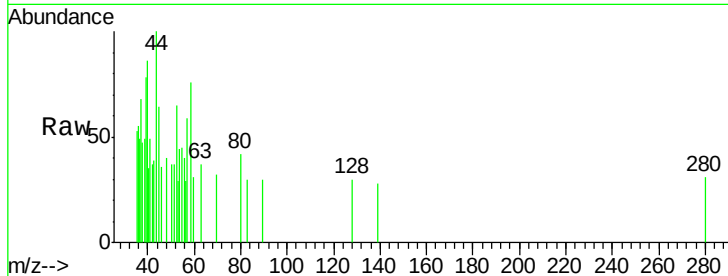
D-10

Tot Ion: 56 Resp: 243

Ion Ratio Lower Upper

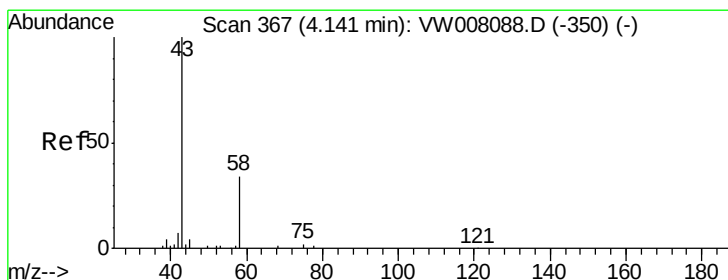
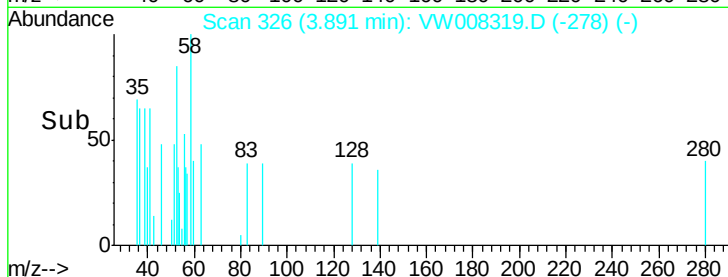
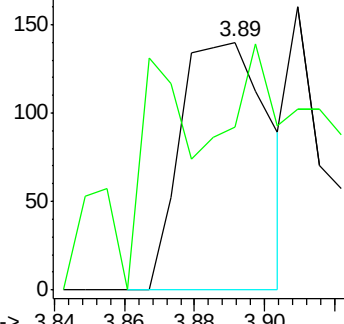
56 100

55 104.9 56.6 84.8#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: 77.029 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.02 min

Lab File: VW008319.D

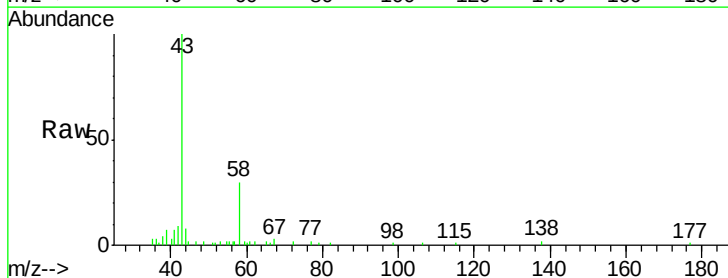
Acq: 16 Jan 2019 20:03

Tgt Ion: 43 Resp: 10755

Ion Ratio Lower Upper

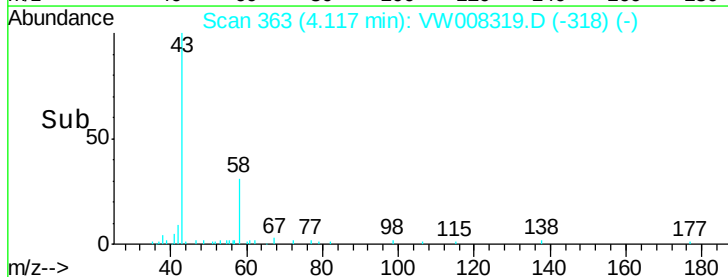
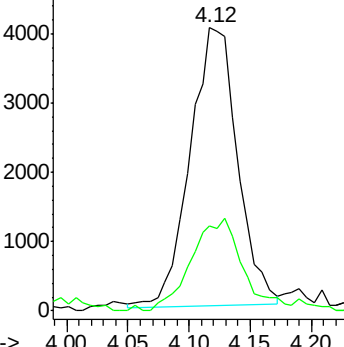
43 100

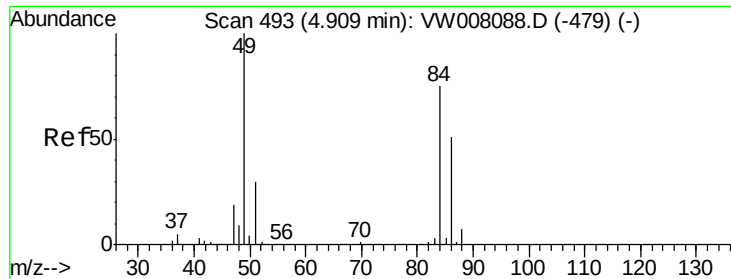
58 30.9 27.5 41.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

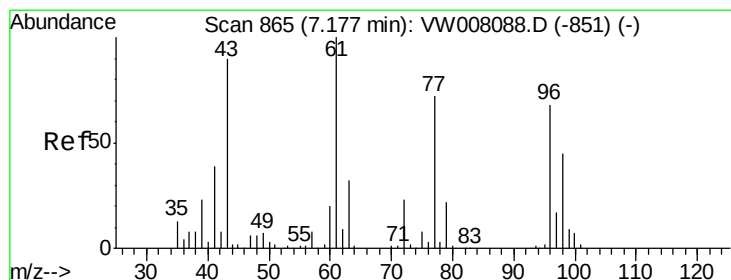
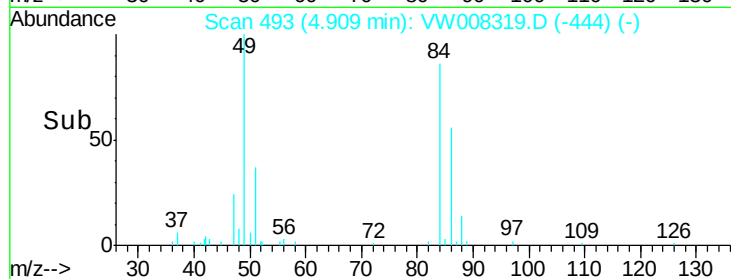
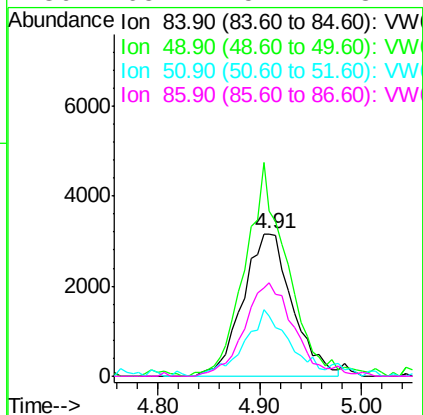
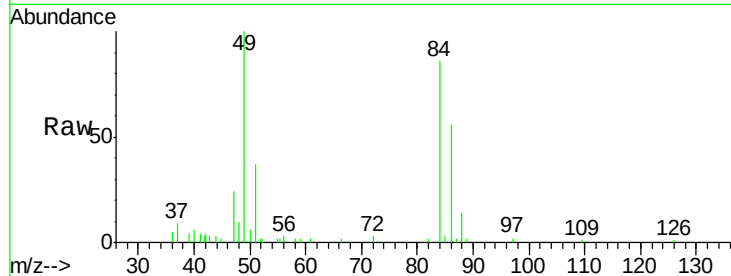




#20
Methvlene Chloride
Concen: 13.051 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008319.D
Acq: 16 Jan 2019 20:03

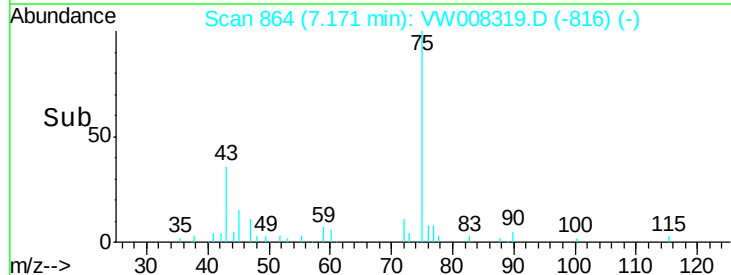
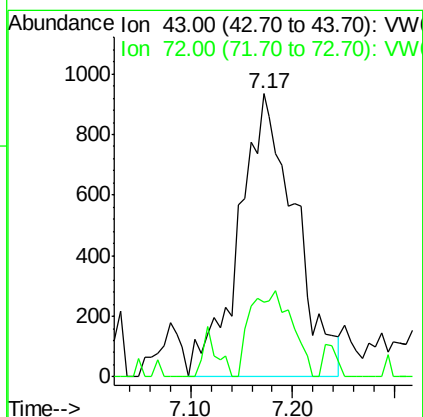
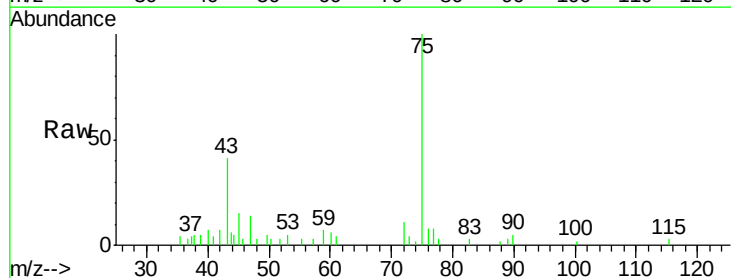
Instrument :
MSVOA_W
ClientSampled :
D-10

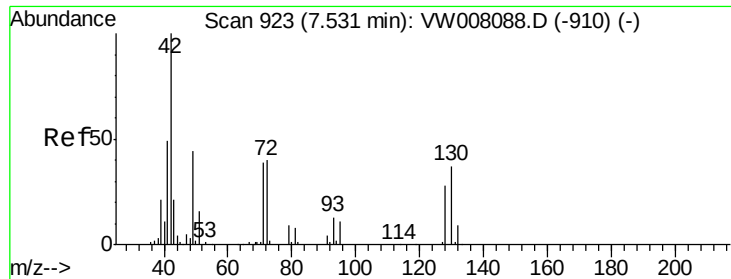
Tot Ion: 84 Resp: 10671
Ion Ratio Lower Upper
84 100
49 115.7 107.1 160.7
51 42.7 32.4 48.6
86 65.2 54.2 81.4



#25
2-Butanone
Concen: 19.640 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.01 min
Lab File: VW008319.D
Acq: 16 Jan 2019 20:03

Tgt Ion: 43 Resp: 3567
Ion Ratio Lower Upper
43 100
72 26.4 20.5 30.7

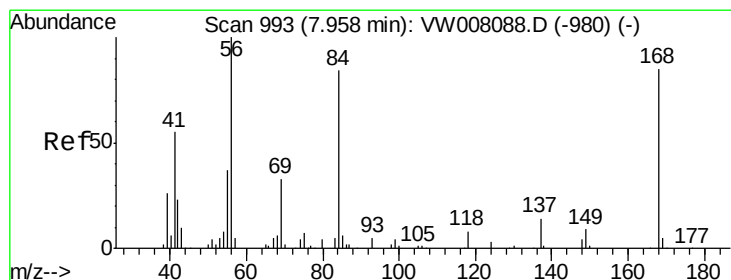
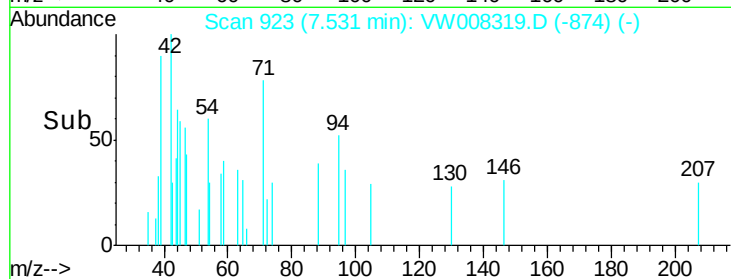
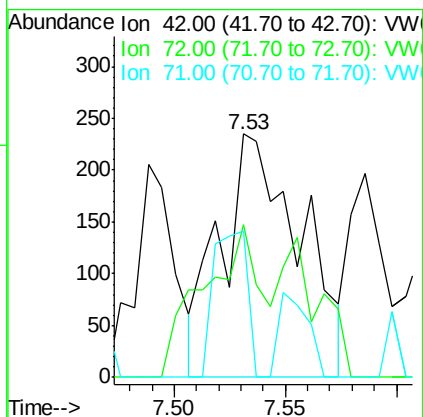
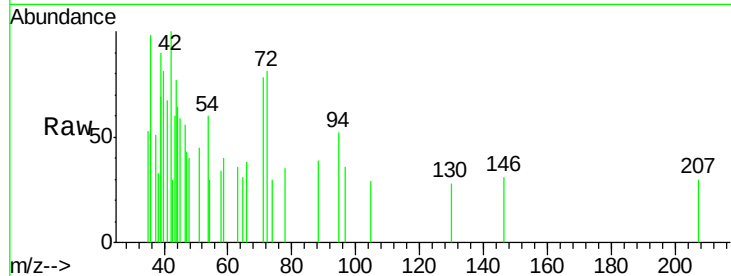




#29
Tetrahydrofuran
Concen: 4.830 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW008319.D
Acq: 16 Jan 2019 20:03

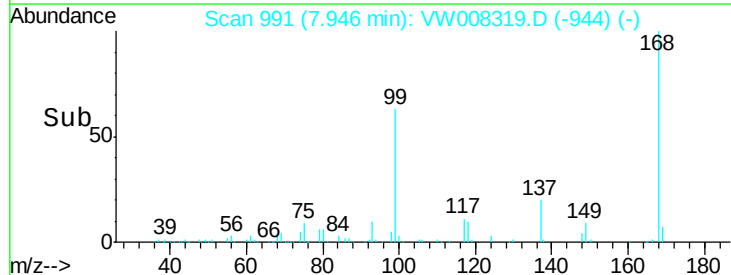
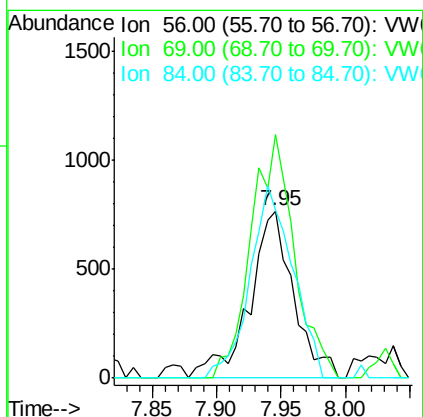
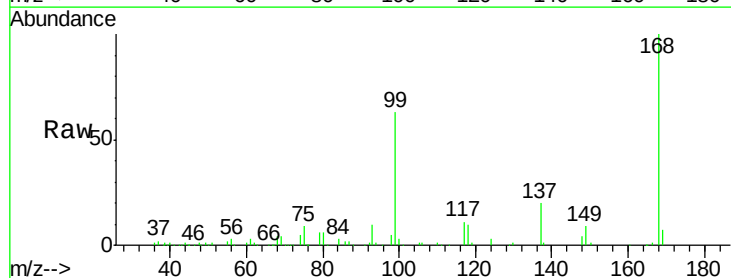
Instrument :
MSVOA_W
ClientSampleId :
D-10

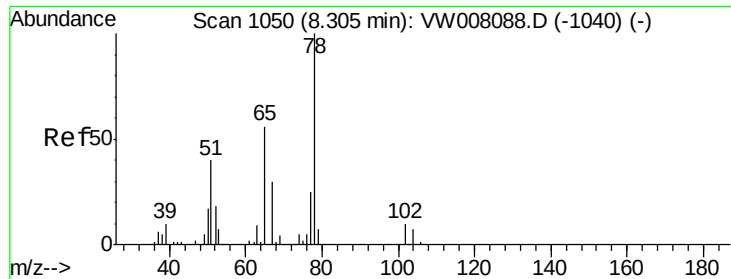
Tot Ion: 42 Resp: 586
Ion Ratio Lower Upper
42 100
72 45.4 32.4 48.6
71 25.4 31.3 46.9#



#31
Cyclohexane
Concen: 1.318 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008319.D
Acq: 16 Jan 2019 20:03

Tgt Ion: 56 Resp: 1810
Ion Ratio Lower Upper
56 100
69 145.6 26.2 39.4#
84 100.8 67.4 101.2

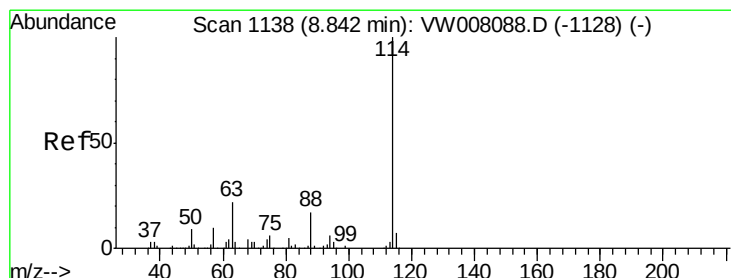
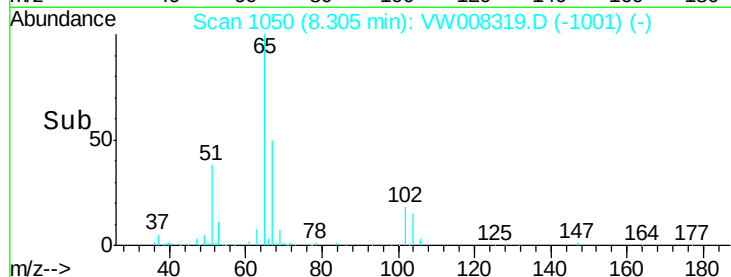
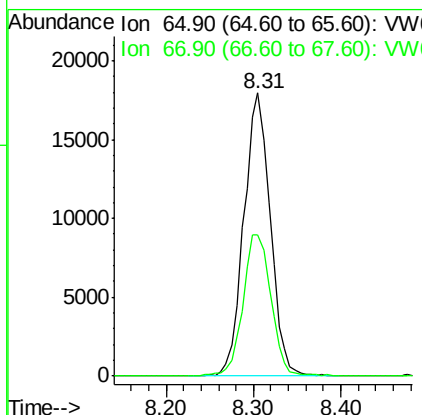
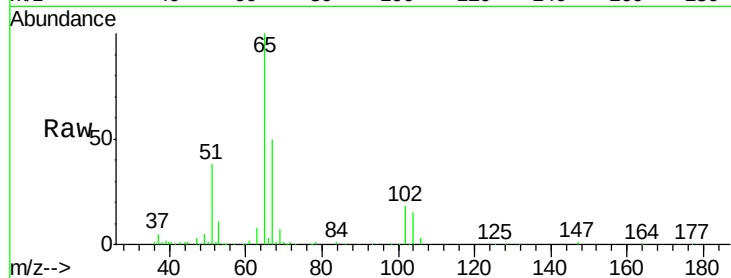




#33
 1,2-Dichloroethane-d4
 Concen: 57.642 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008319.D
 Acq: 16 Jan 2019 20:03

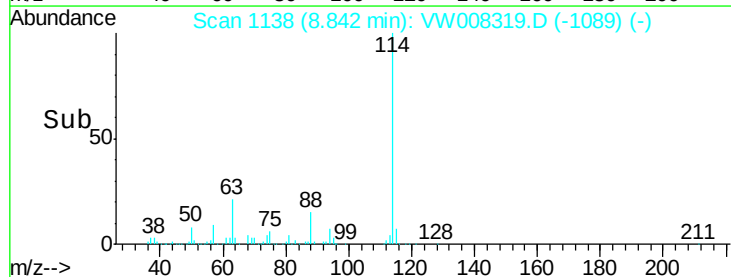
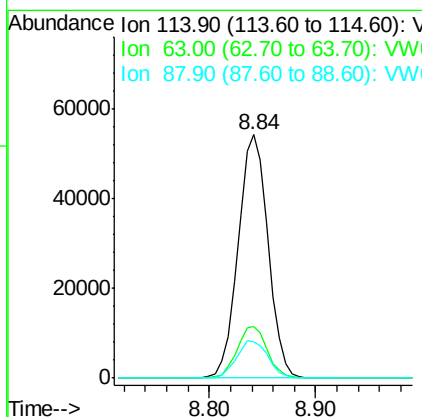
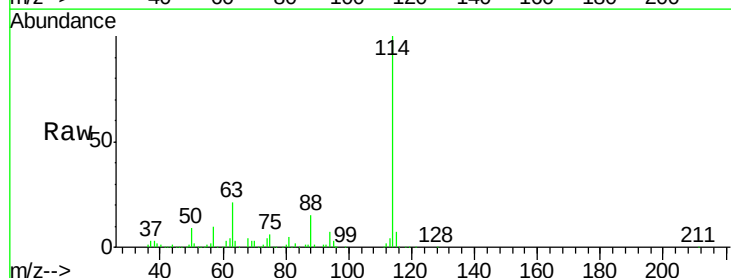
Instrument :
 MSVOA_W
 ClientSampleId :
 D-10

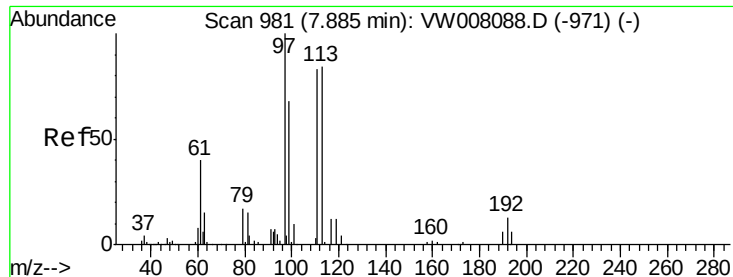
Tot Ion: 65 Resp: 37626
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008319.D
 Acq: 16 Jan 2019 20:03

Tgt Ion: 114 Resp: 107295
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 43.4
 88 14.8 0.0 33.4

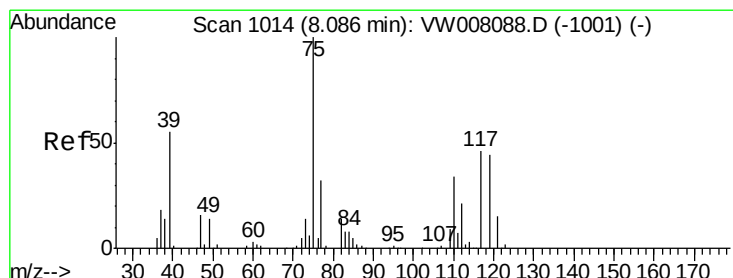
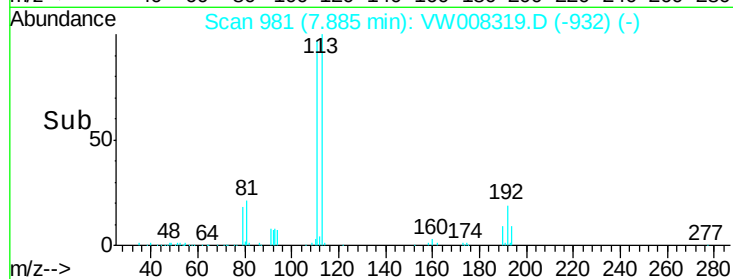
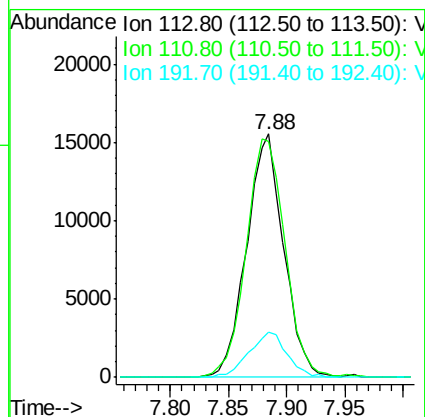
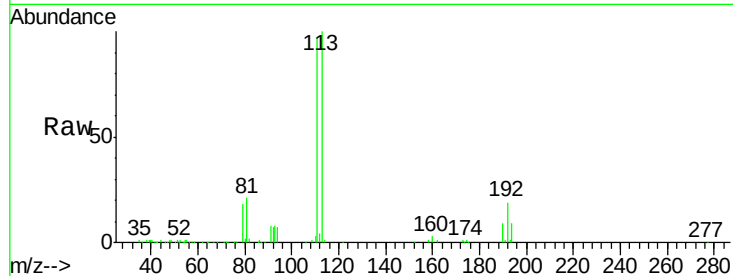




#35
 Dibromofluoromethane
 Concen: 55.036 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008319.D
 Acq: 16 Jan 2019 20:03

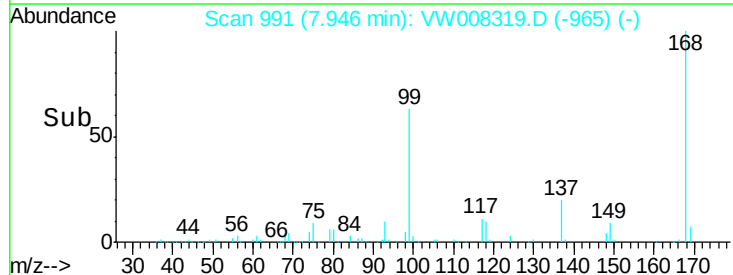
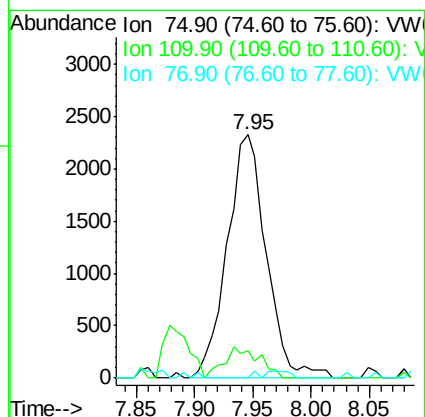
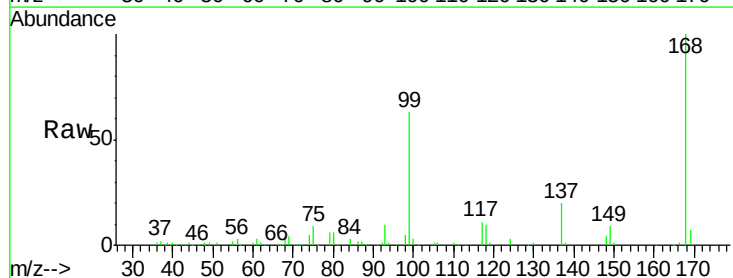
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 MSVOA_W
 ClientSampleId :
 D-10

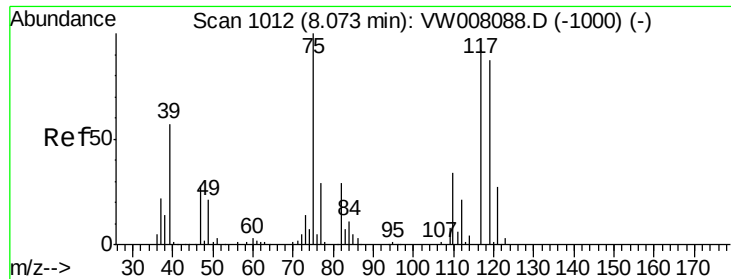
Tot Ion:113 Resp: 34441
 Ion Ratio Lower Upper
 113 100
 111 103.3 81.8 122.8
 192 19.1 12.8 19.2



#36
 1,1-Dichloropropene
 Concen: 4.914 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW008319.D
 Acq: 16 Jan 2019 20:03

Tgt Ion: 75 Resp: 5431
 Ion Ratio Lower Upper
 75 100
 110 11.3 17.1 51.3#
 77 2.2 25.5 38.3#

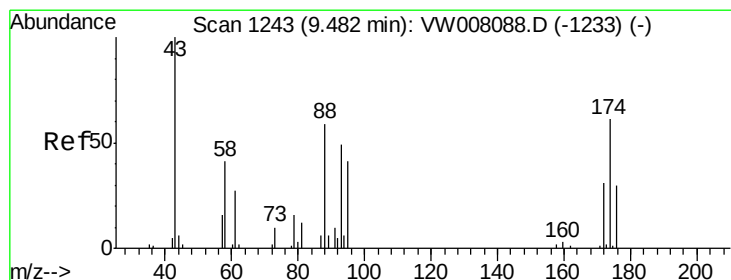
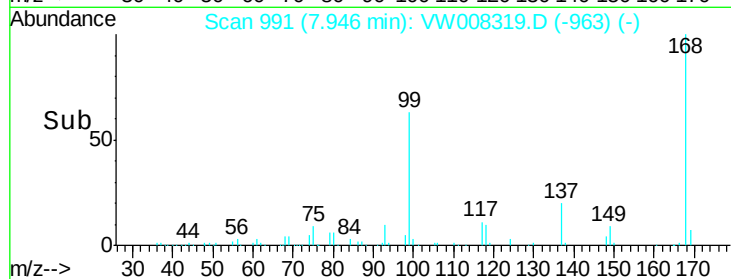
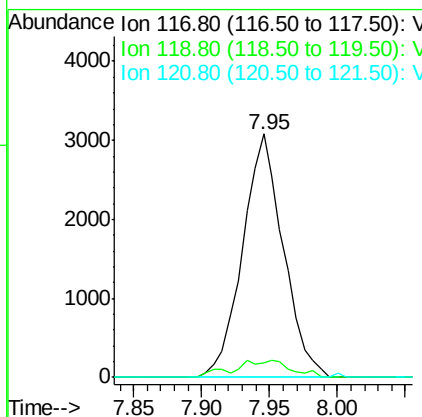
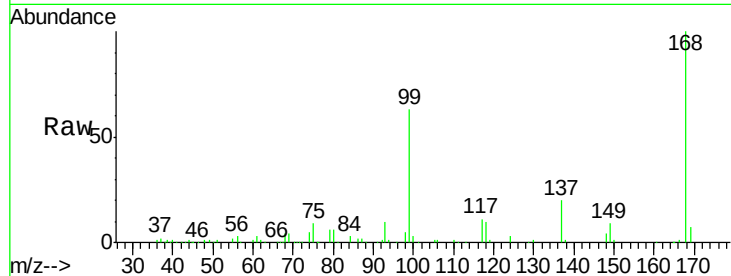




#38
Carbon Tetrachloride
Concen: 6.359 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.13 min
Lab File: VW008319.D
Acq: 16 Jan 2019 20:03

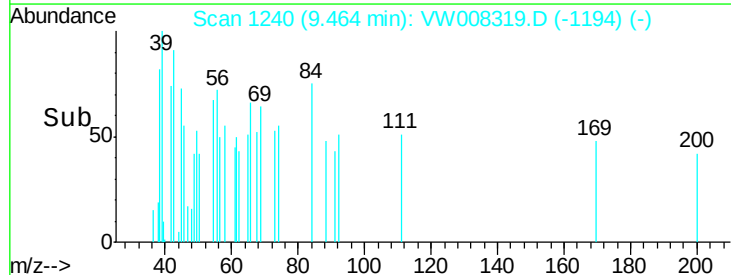
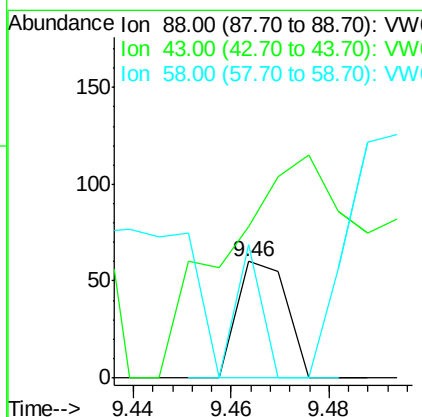
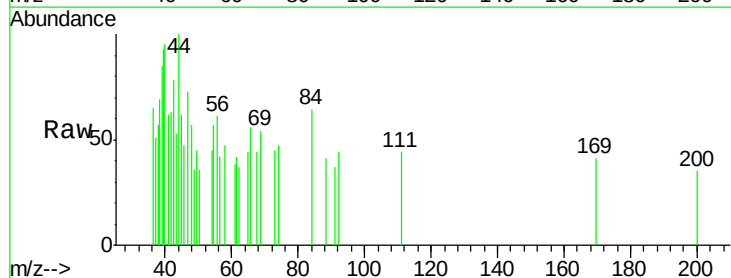
Instrument :
MSVOA_W
ClientSampled :
D-10

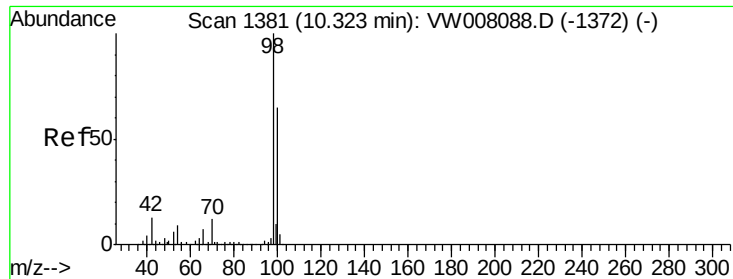
Tot Ion:117 Resp: 6433
Ion Ratio Lower Upper
117 100
119 5.7 75.8 113.8#
121 0.0 23.7 35.5#



#49
1,4-Dioxane
Concen: 7.154 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. -0.02 min
Lab File: VW008319.D
Acq: 16 Jan 2019 20:03

Tgt Ion: 88 Resp: 42
Ion Ratio Lower Upper
88 100
43 500.0 0.0 0.0#
58 0.0 61.7 92.5#





#50

Toluene-d8

Concen: 52.303 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008319.D

Acq: 16 Jan 2019 20:03

Instrument :

MSVOA_W

ClientSampled :

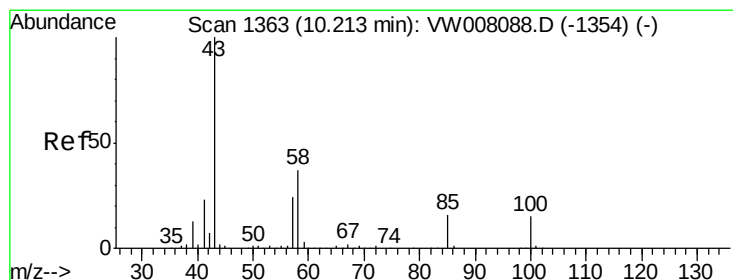
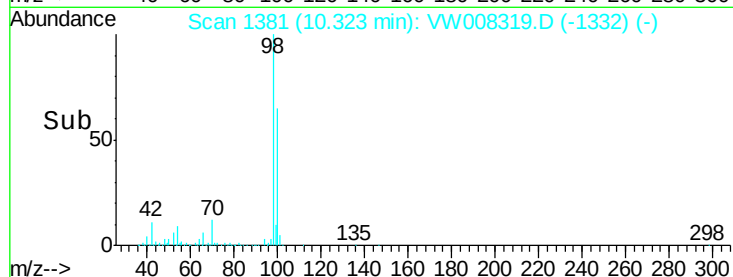
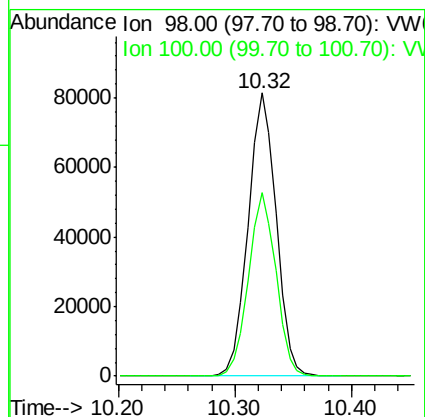
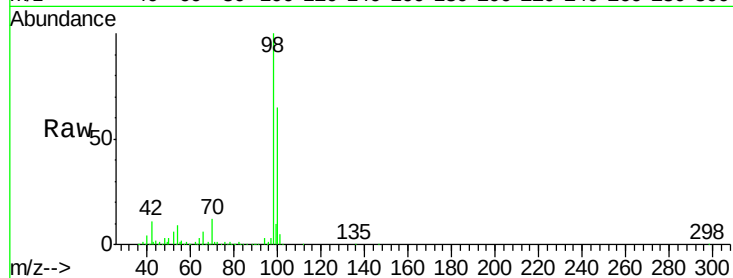
D-10

Tot Ion: 98 Resp: 137349

Ion Ratio Lower Upper

98 100

100 63.5 51.7 77.5



#51

4-Methyl-2-Pentanone

Concen: 1.867 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW008319.D

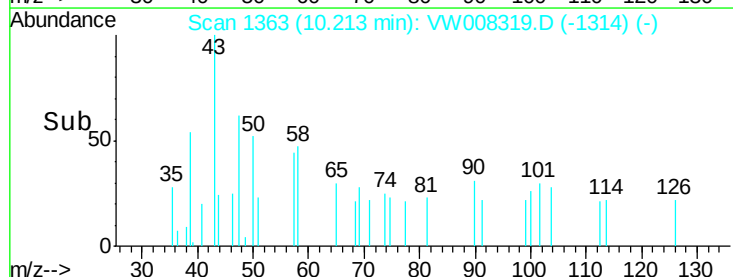
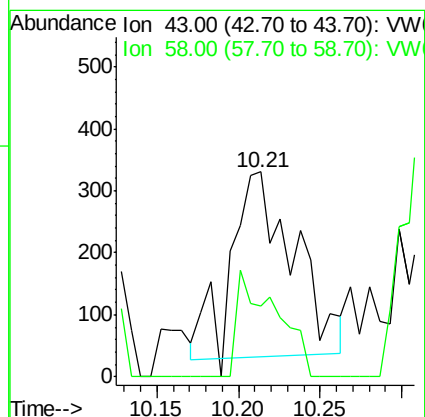
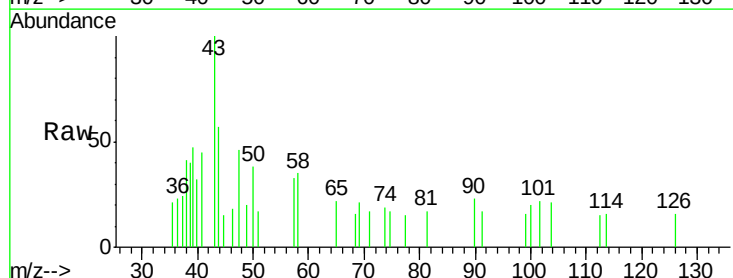
Acq: 16 Jan 2019 20:03

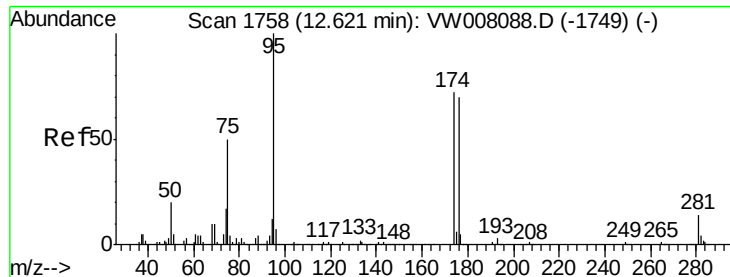
Tgt Ion: 43 Resp: 800

Ion Ratio Lower Upper

43 100

58 35.8 30.6 46.0





#62

4-Bromofluorobenzene

Concen: 45.873 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008319.D

Acq: 16 Jan 2019 20:03

Instrument :

MSVOA_W

ClientSampleId :

D-10

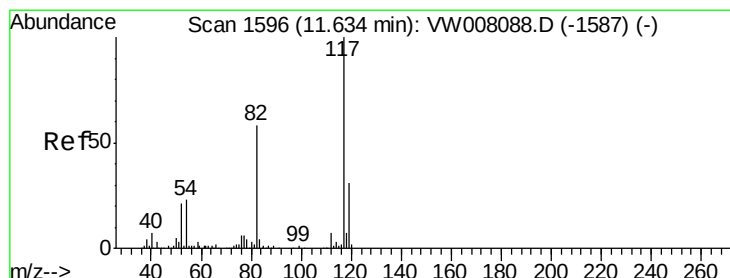
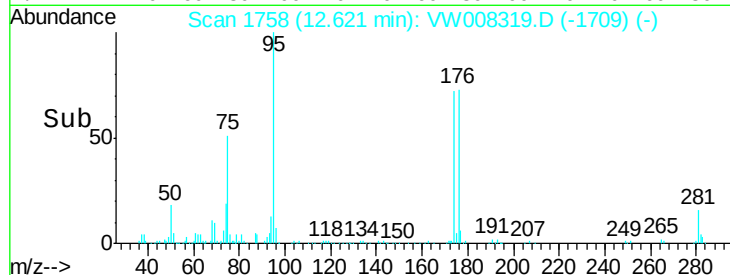
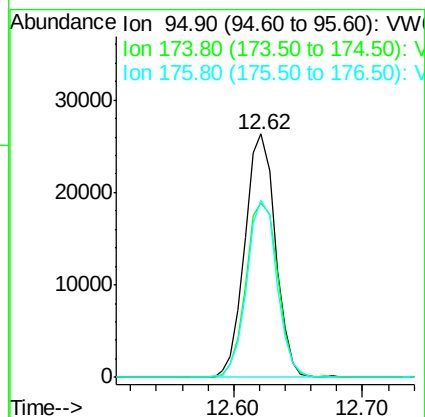
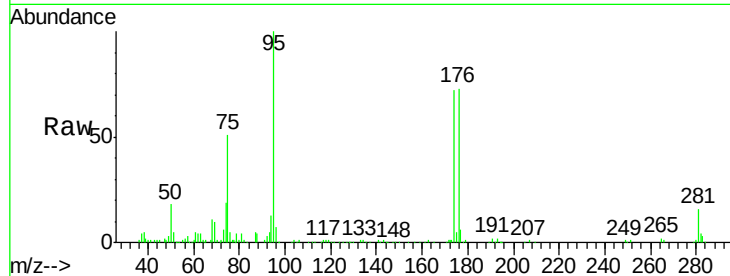
Tot Ion: 95 Resp: 43186

Ion Ratio Lower Upper

95 100

174 74.9 0.0 143.0

176 71.5 0.0 140.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW008319.D

Acq: 16 Jan 2019 20:03

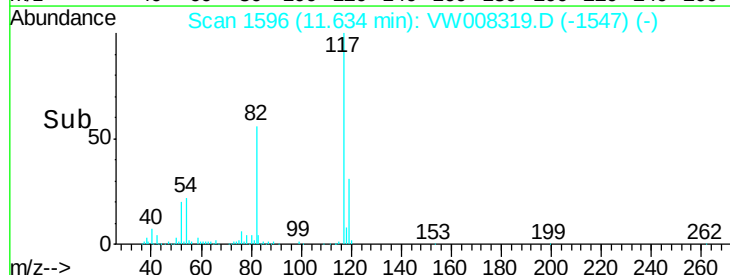
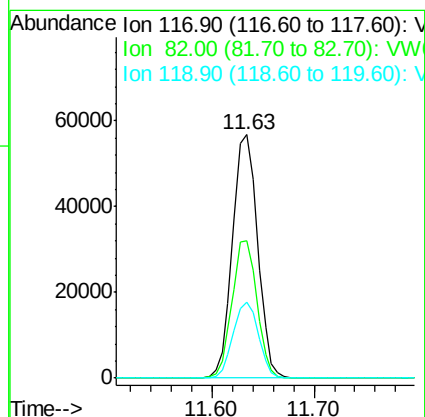
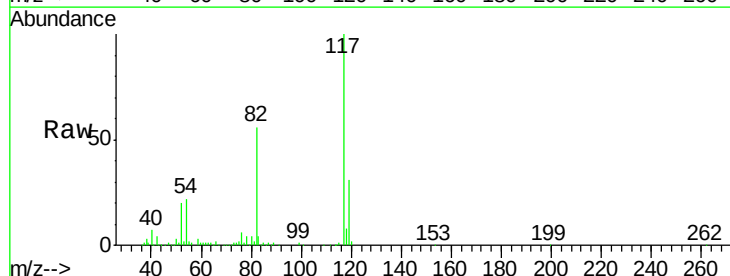
Tgt Ion: 117 Resp: 96420

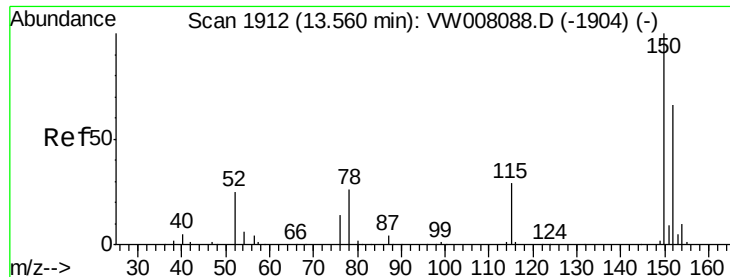
Ion Ratio Lower Upper

117 100

82 56.4 46.4 69.6

119 31.2 24.7 37.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008319.D

Acq: 16 Jan 2019 20:03

Instrument :

MSVOA_W

ClientSampled :

D-10

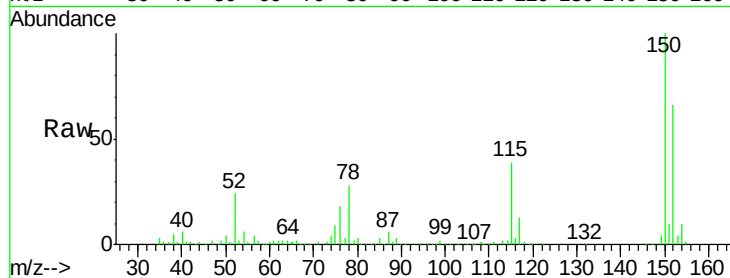
Tot Ion:152 Resp: 40068

Ion Ratio Lower Upper

152 100

115 62.0 30.8 92.4

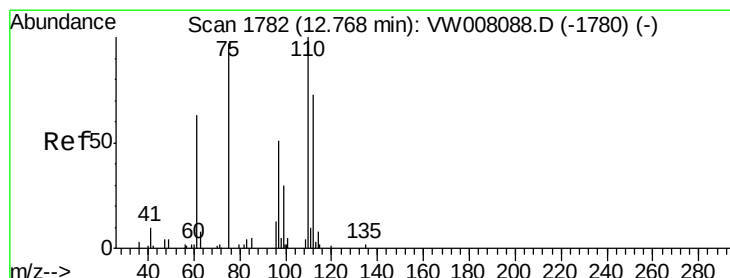
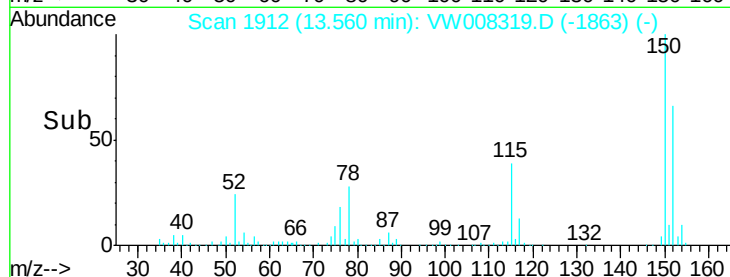
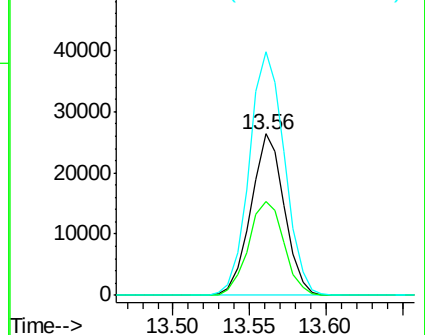
150 158.6 0.0 350.2



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: 58.270 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008319.D

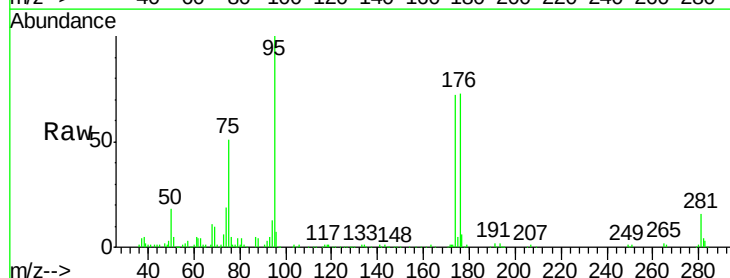
Acq: 16 Jan 2019 20:03

Tgt Ion: 75 Resp: 21284

Ion Ratio Lower Upper

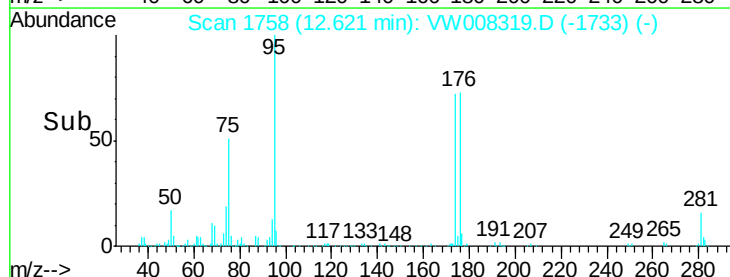
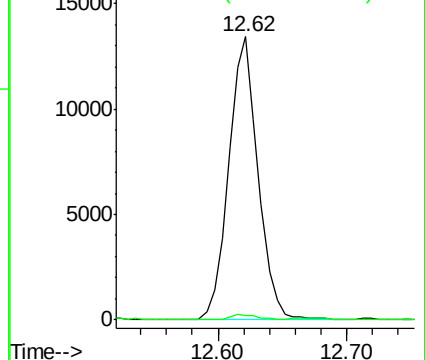
75 100

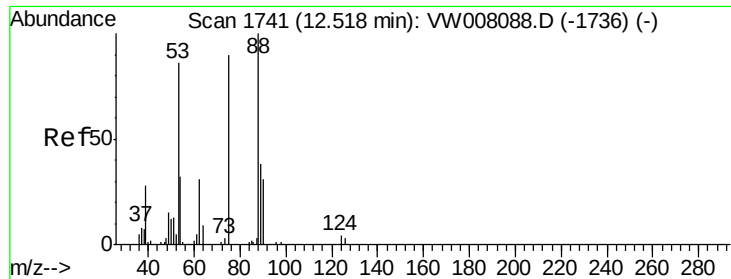
77 1.7 179.4 538.2#



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: 135.694 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008319.D

Acq: 16 Jan 2019 20:03

Instrument :

MSVOA_W

ClientSampleId :

D-10

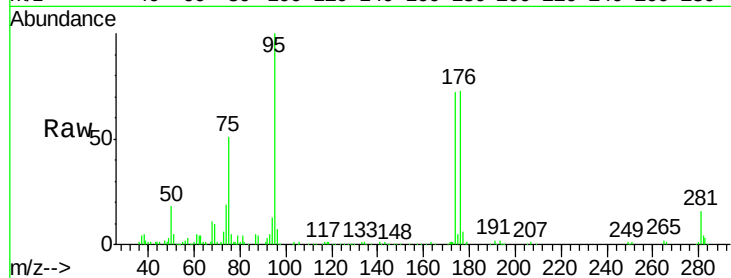
Tot Ion: 75 Resp: 21284

Ion Ratio Lower Upper

75 100

53 0.5 78.8 118.2#

89 0.2 35.4 53.2#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

