

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW021519\
 Data File : VW008717.D
 Acq On : 16 Feb 2019 07:31
 Operator : SY/VA
 Sample : K1513-01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 FLOORS

Quant Time: Feb 18 08:01:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 04:06:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	277366	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	426589	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	381398	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	187217	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	153714	53.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.62%	
35) Dibromofluoromethane	7.88	113	43271	16.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	32.68%	
50) Toluene-d8	10.32	98	503838	49.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.68%	
62) 4-Bromofluorobenzene	12.62	95	178073	46.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.60%	

Target Compounds

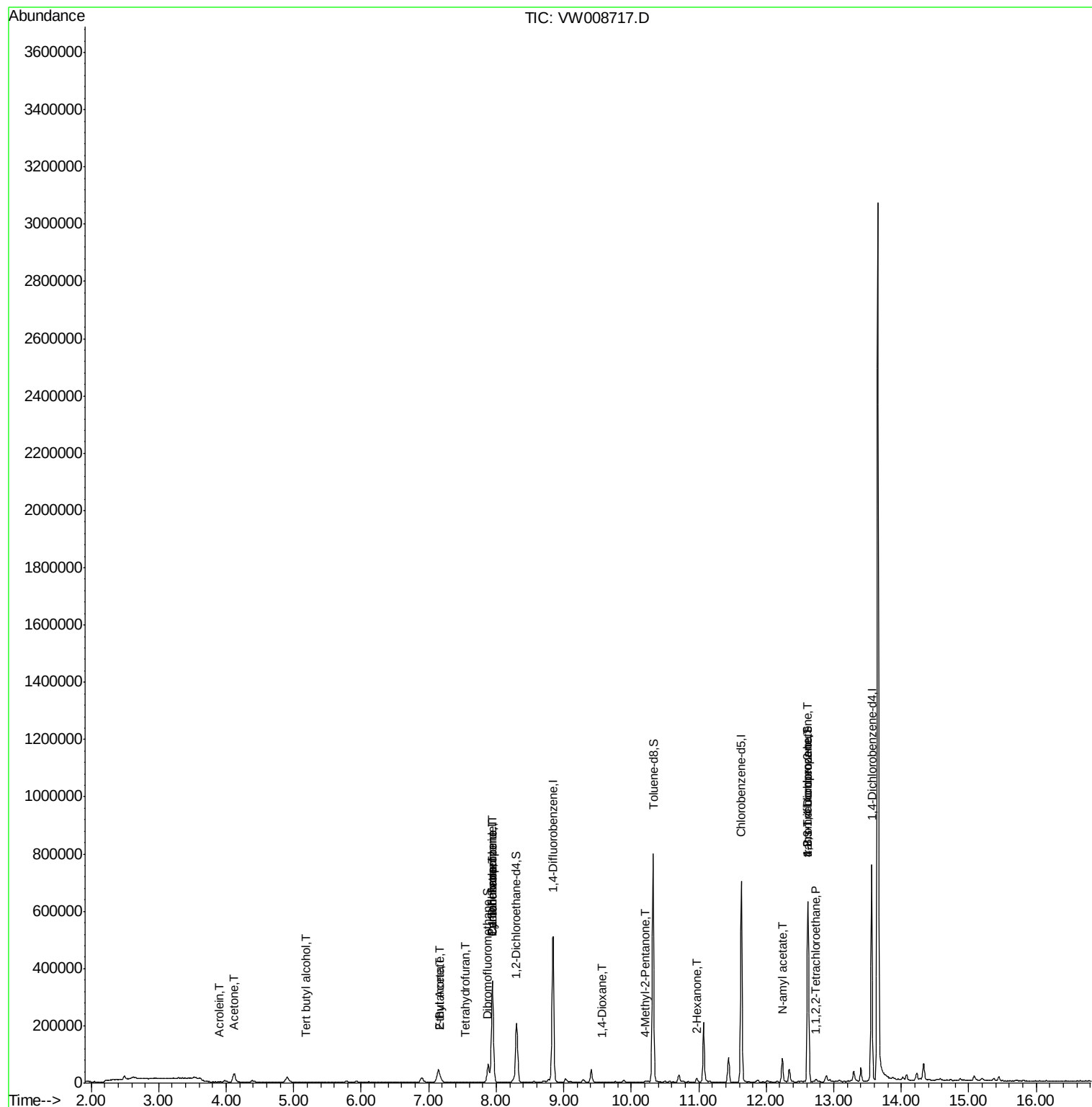
						Qvalue
11) Tert butyl alcohol	5.18	59	1794	7.776	ug/l #	86
13) Acrolein	3.89	56	851	3.580	ug/l #	38
16) Acetone	4.12	43	52387	79.836	ug/l	89
20) Methylene Chloride	4.90	84	12835	Below Cal	#	91
25) 2-Butanone	7.17	43	15840	17.095	ug/l	90
29) Tetrahydrofuran	7.54	42	681	1.115	ug/l #	36
31) Cyclohexane	7.94	56	6910	1.310	ug/l #	5
36) 1,1-Dichloropropene	7.94	75	21402	4.994	ug/l #	51
37) Ethyl Acetate	7.17	43	15840	7.662	ug/l #	70
38) Carbon Tetrachloride	7.94	117	26523	6.223	ug/l #	17
49) 1,4-Dioxane	9.56	88	30	1.178	ug/l #	1
51) 4-Methyl-2-Pentanone	10.21	43	3475	1.641	ug/l	93
59) 2-Hexanone	10.97	43	9153	6.153	ug/l	99
74) N-amyl acetate	12.24	43	49238	13.057	ug/l #	50
75) 1,1,2,2-Tetrachloroethane	12.74	83	3216	1.325	ug/l #	29
76) 1,2,3-Trichloropropane	12.62	75	93648	50.657	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	93648	108.579	ug/l #	7

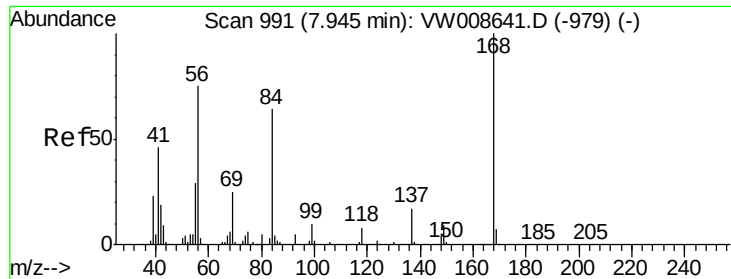
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW021519\
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Quant Title : SW846 8260
QLast Update : Thu Feb 14 04:06:50 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008717.D

Acq: 16 Feb 2019 07:31

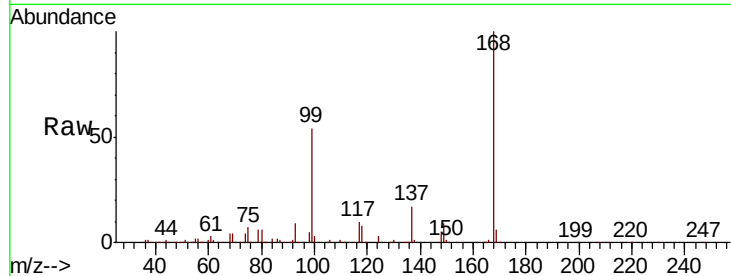
Instrument :
MSVOA_W
ClientSampleId :
FLOORS

Tgt Ion:168 Resp: 277366

Ion Ratio Lower Upper

168 100

99 54.0 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

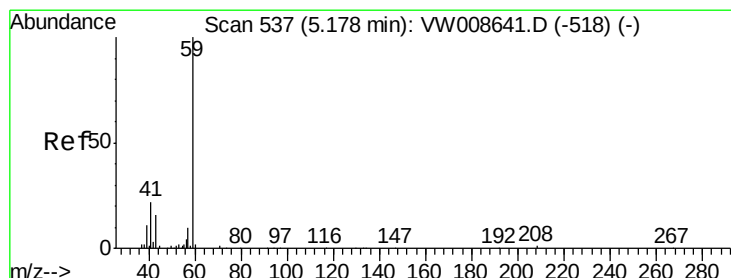
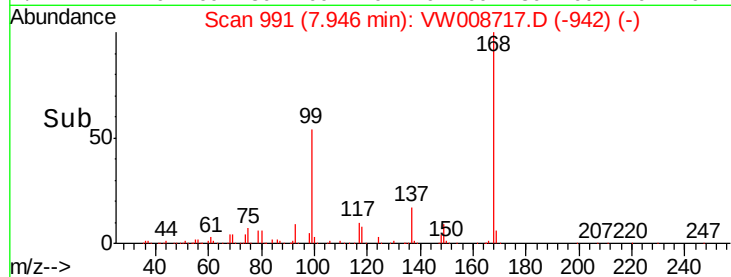
7.95

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 7.776 ug/l

RT: 5.18 min Scan# 537

Delta R.T. 0.00 min

Lab File: VW008717.D

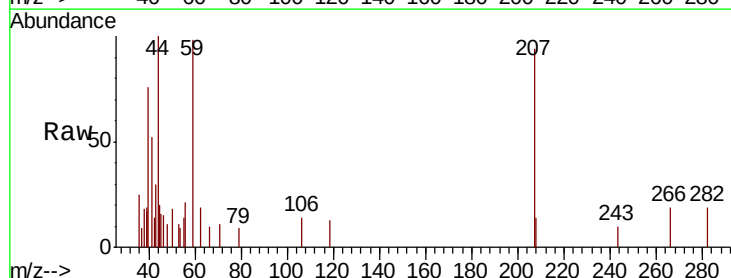
Acq: 16 Feb 2019 07:31

Tgt Ion: 59 Resp: 1794

Ion Ratio Lower Upper

59 100

57 5.1 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.18

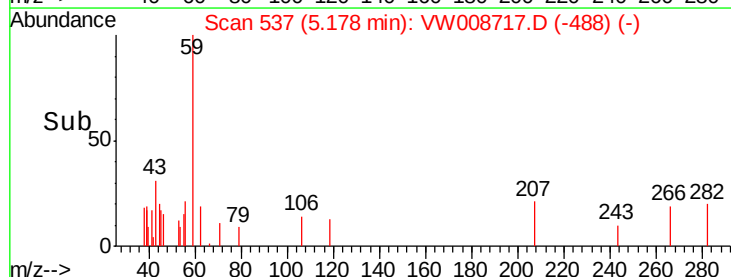
600

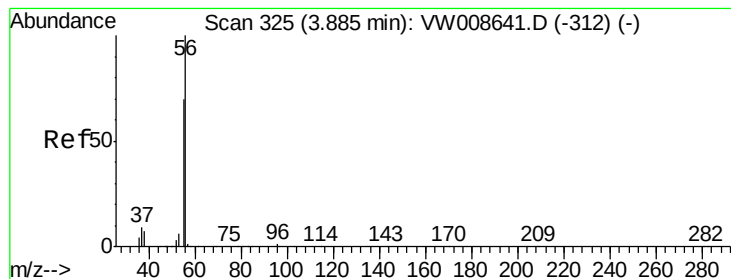
400

200

0

Time-->





#13

Acrolein

Concen: 3.580 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW008717.D

Acq: 16 Feb 2019 07:31

Instrument :

MSVOA_W

ClientSampled :

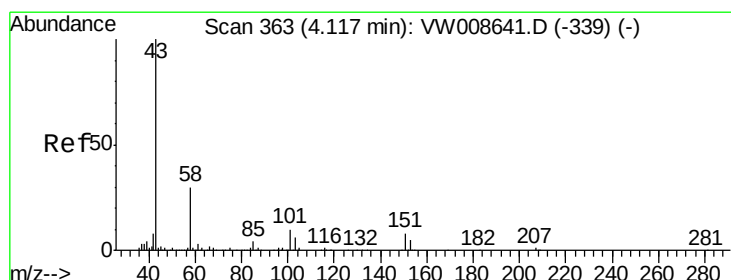
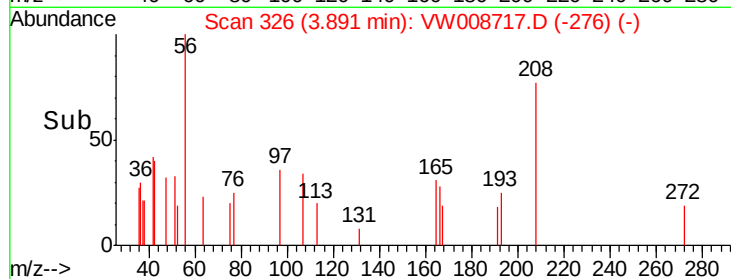
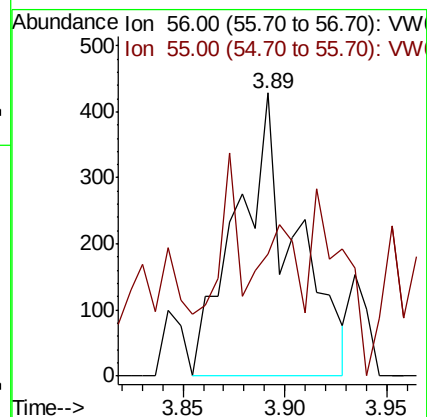
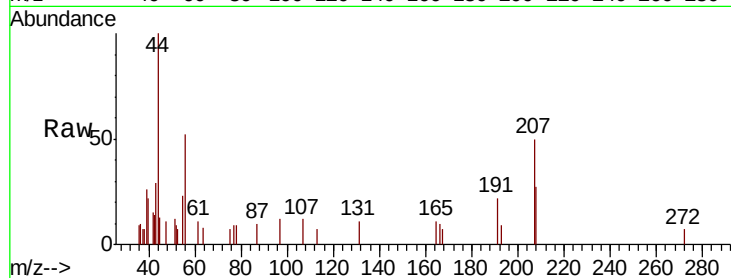
FLOORS

Tgt Ion: 56 Resp: 851

Ion Ratio Lower Upper

56 100

55 20.6 57.4 86.2#



#16

Acetone

Concen: 79.836 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW008717.D

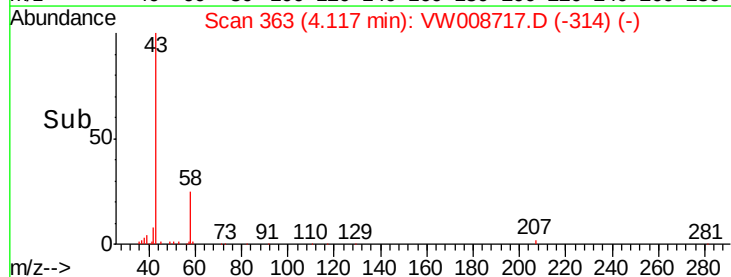
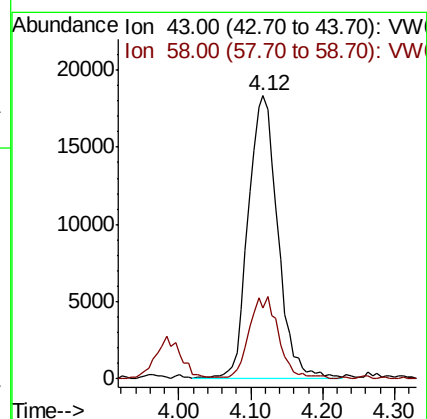
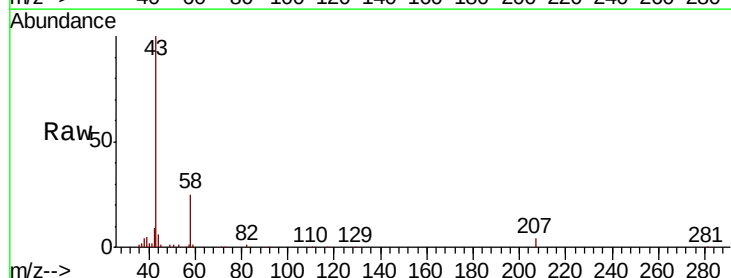
Acq: 16 Feb 2019 07:31

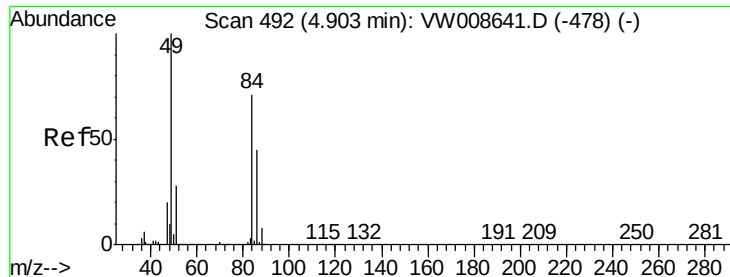
Tgt Ion: 43 Resp: 52387

Ion Ratio Lower Upper

43 100

58 24.1 24.1 36.1

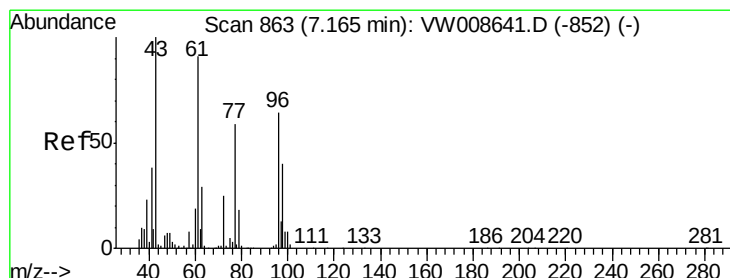
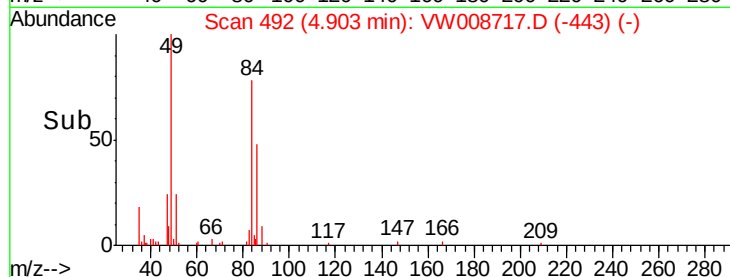
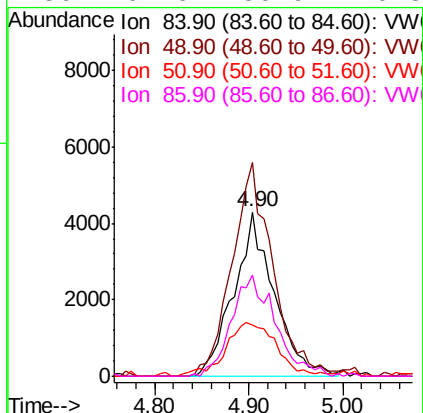
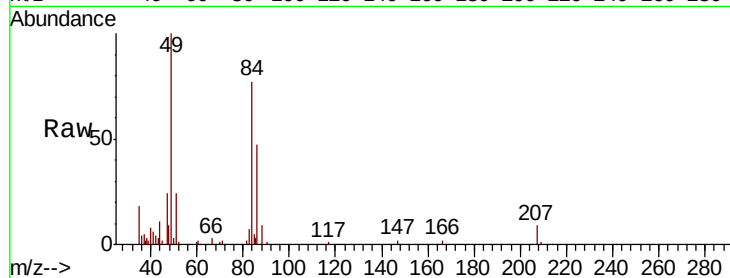




#20
Methylene Chloride
Concen: Below Cal
RT: 4.90 min Scan# 492
Delta R.T. 0.00 min
Lab File: VW008717.D
Acq: 16 Feb 2019 07:31

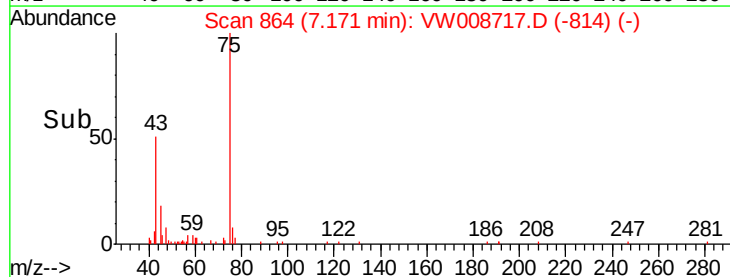
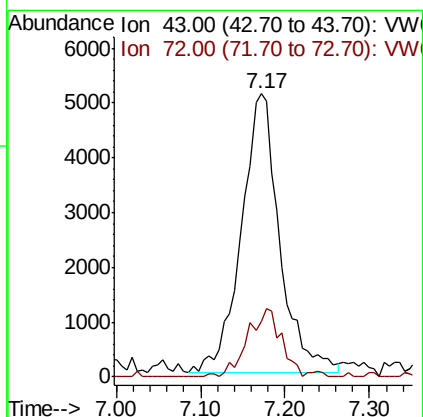
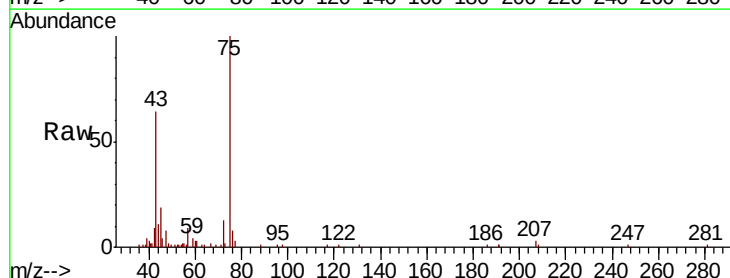
Instrument :
MSVOA_W
ClientSampleId :
FLOORS

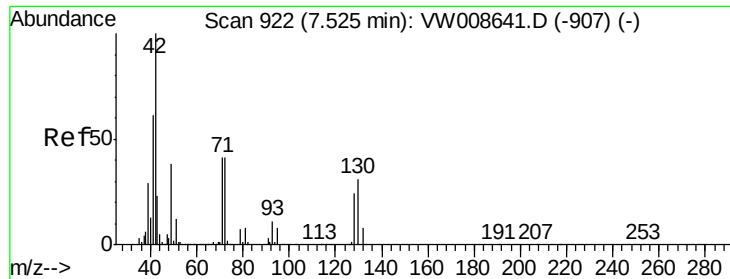
Tgt Ion: 84 Resp: 12835
Ion Ratio Lower Upper
84 100
49 130.1 113.3 169.9
51 29.7 32.1 48.1#
86 61.6 50.9 76.3



#25
2-Butanone
Concen: 17.095 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW008717.D
Acq: 16 Feb 2019 07:31

Tgt Ion: 43 Resp: 15840
Ion Ratio Lower Upper
43 100
72 19.8 19.7 29.5

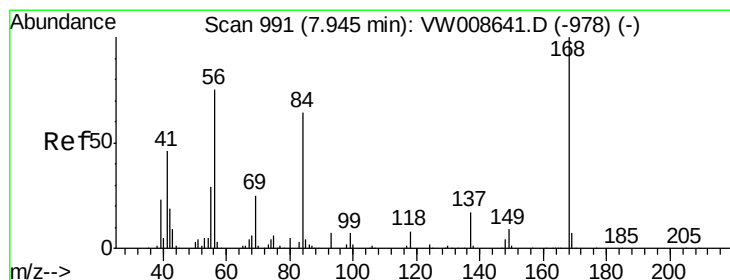
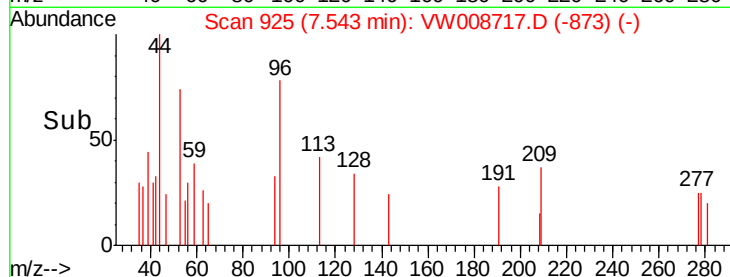
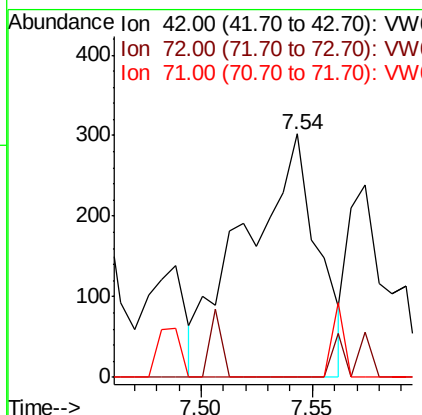
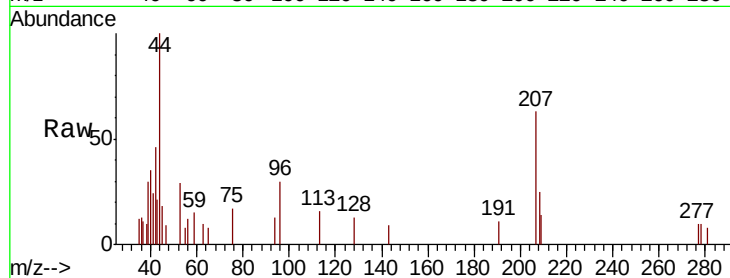




#29
Tetrahydrofuran
Concen: 1.115 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.02 min
Lab File: VW008717.D
Acq: 16 Feb 2019 07:31

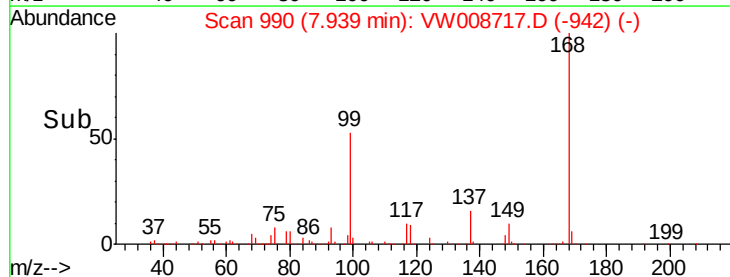
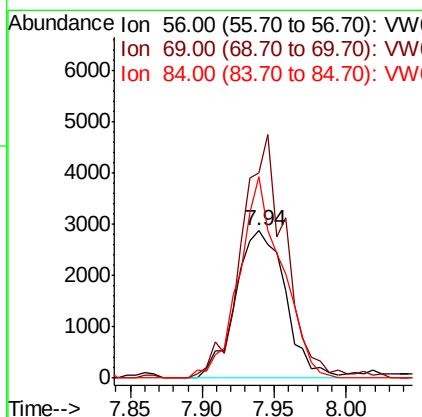
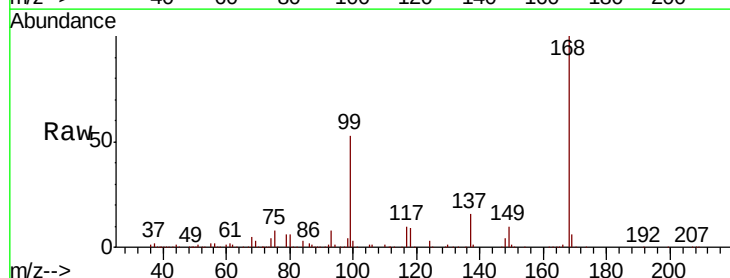
Instrument :
MSVOA_W
ClientSampleId :
FLOORS

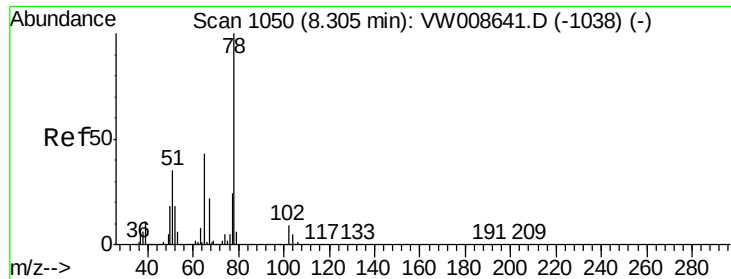
Tgt Ion: 42 Resp: 681
Ion Ratio Lower Upper
42 100
72 0.0 32.2 48.2#
71 0.0 31.0 46.6#



#31
Cyclohexane
Concen: 1.310 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW008717.D
Acq: 16 Feb 2019 07:31

Tgt Ion: 56 Resp: 6910
Ion Ratio Lower Upper
56 100
69 139.3 26.4 39.6#
84 137.4 67.4 101.2#

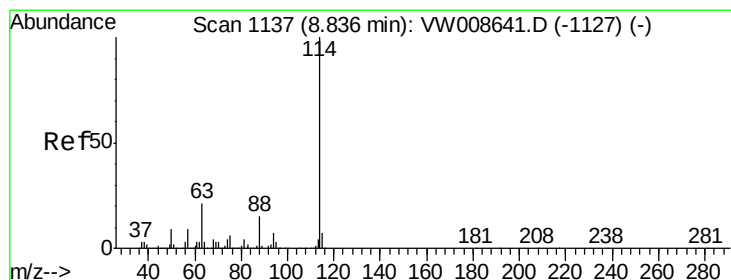
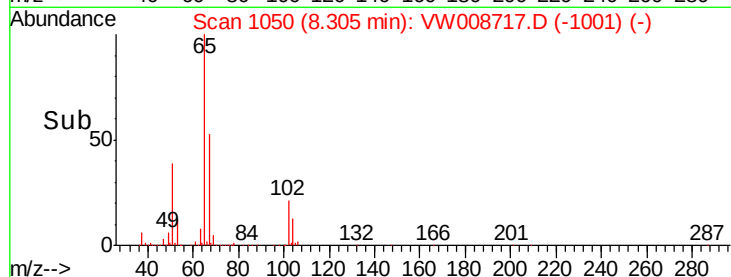
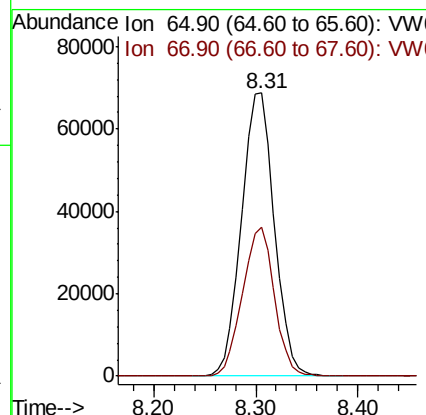
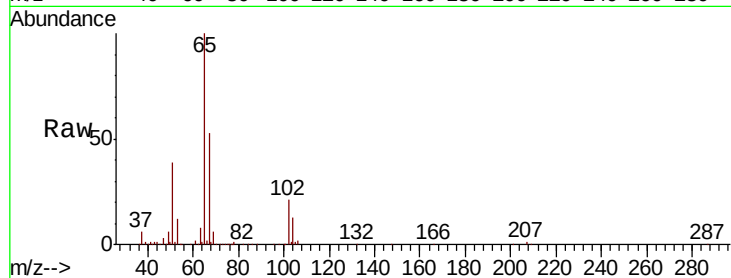




#33
 1,2-Dichloroethane-d4
 Concen: 53.306 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008717.D
 Acq: 16 Feb 2019 07:31

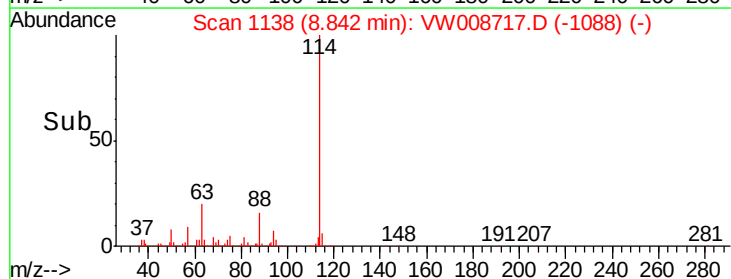
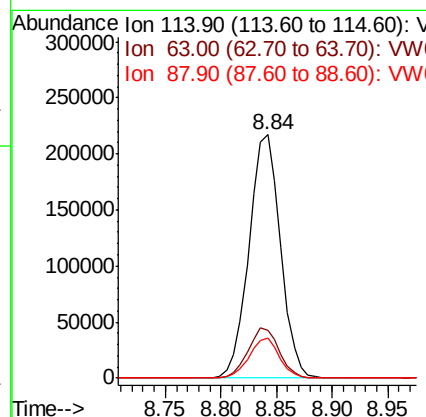
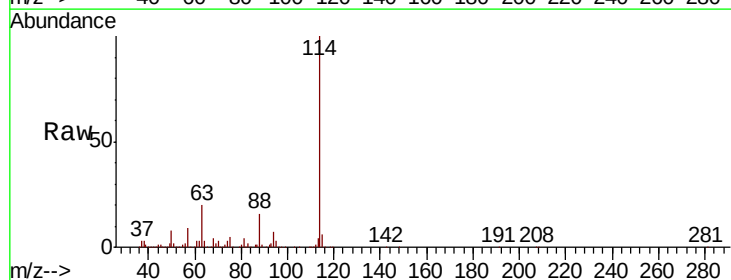
Instrument :
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 ClientSampleId :
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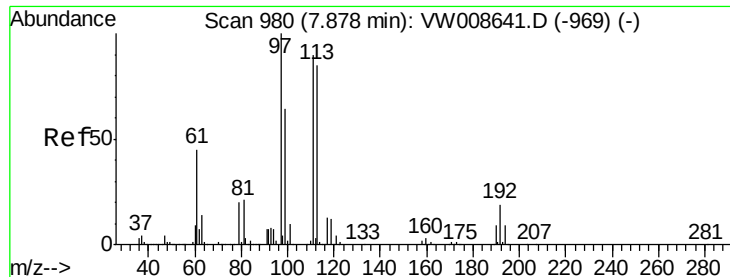
Tgt Ion: 65 Resp: 153714
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.01 min
 Lab File: VW008717.D
 Acq: 16 Feb 2019 07:31

Tgt Ion: 114 Resp: 426589
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 41.2
 88 16.2 0.0 29.6

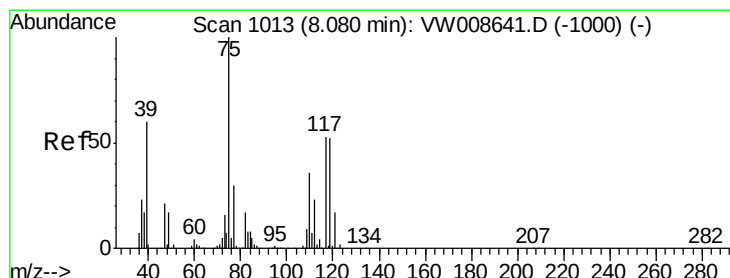
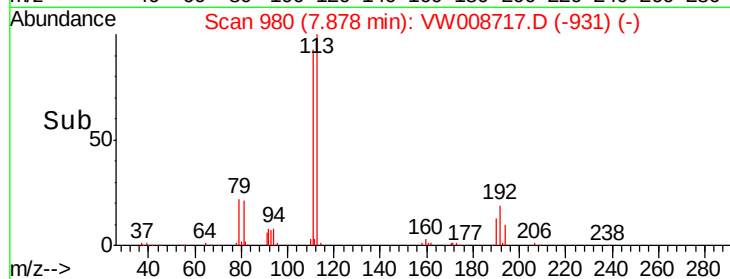
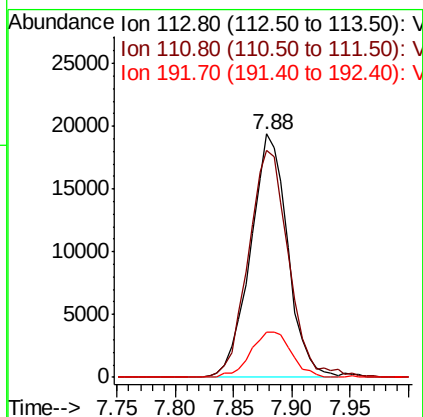
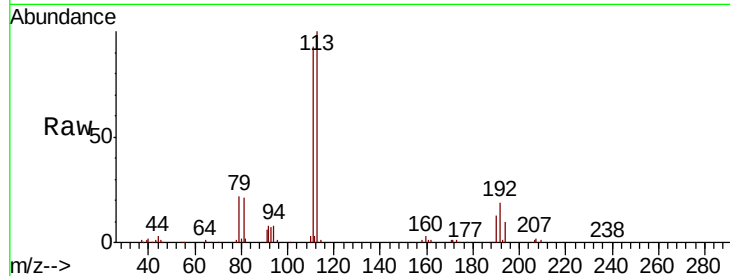




#35
 Dibromofluoromethane
 Concen: 16.336 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW008717.D
 Acq: 16 Feb 2019 07:31

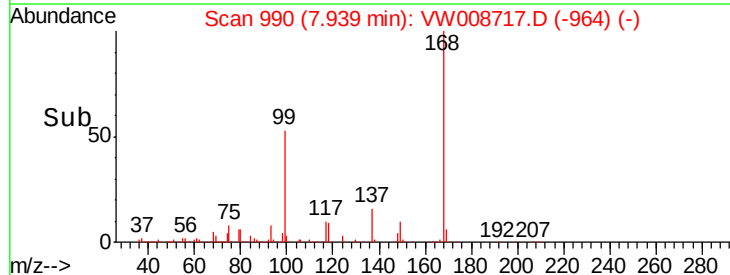
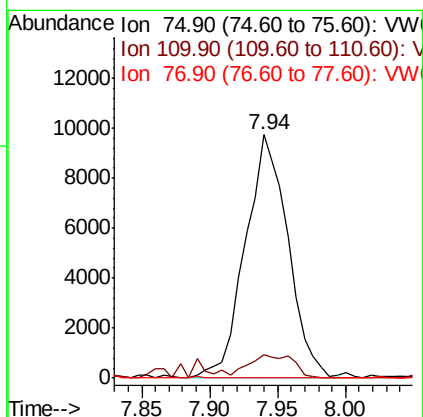
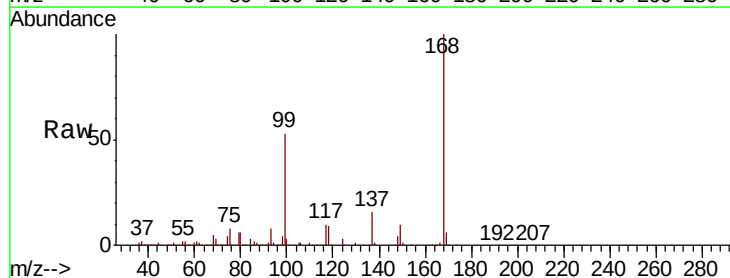
Instrument :
 MSVOA_W
 ClientSampled :
 FLOORS

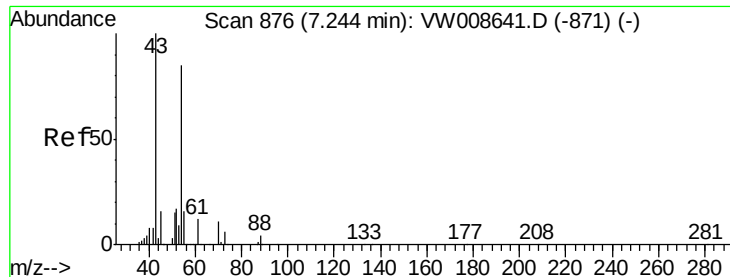
Tgt Ion:113 Resp: 43271
 Ion Ratio Lower Upper
 113 100
 111 100.7 84.0 126.0
 192 20.6 17.4 26.2



#36
 1,1-Dichloropropene
 Concen: 4.994 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW008717.D
 Acq: 16 Feb 2019 07:31

Tgt Ion: 75 Resp: 21402
 Ion Ratio Lower Upper
 75 100
 110 10.1 17.8 53.3#
 77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 7.662 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.07 min

Lab File: VW008717.D

Acq: 16 Feb 2019 07:31

Instrument :

MSVOA_W

ClientSampleId :

FLOORS

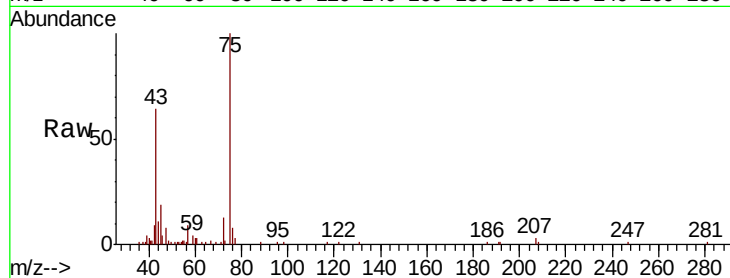
Tgt Ion: 43 Resp: 15840

Ion Ratio Lower Upper

43 100

61 0.0 10.5 15.7#

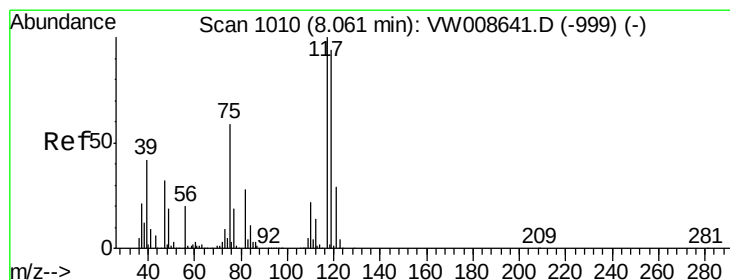
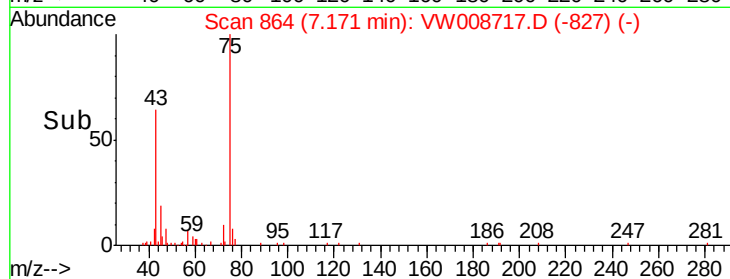
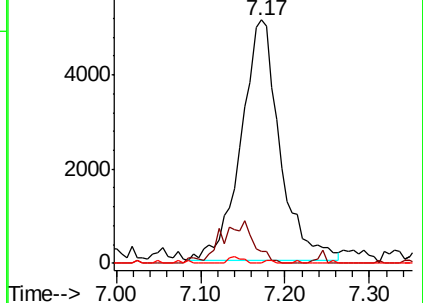
70 0.3 8.1 12.1#



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: 6.223 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.12 min

Lab File: VW008717.D

Acq: 16 Feb 2019 07:31

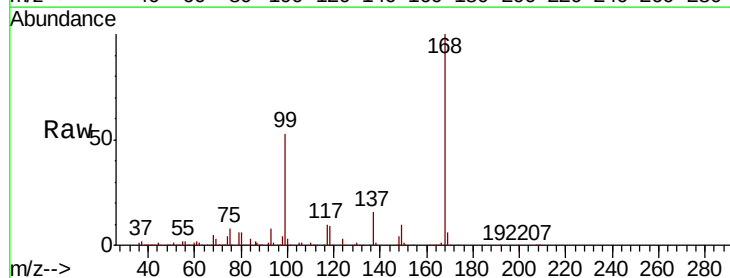
Tgt Ion: 117 Resp: 26523

Ion Ratio Lower Upper

117 100

119 4.7 75.1 112.7#

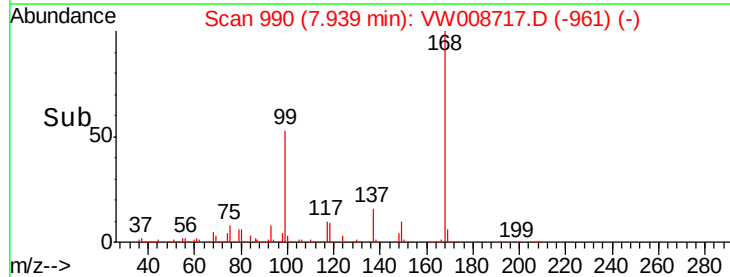
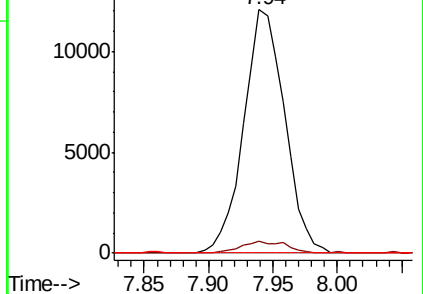
121 0.0 23.5 35.3#

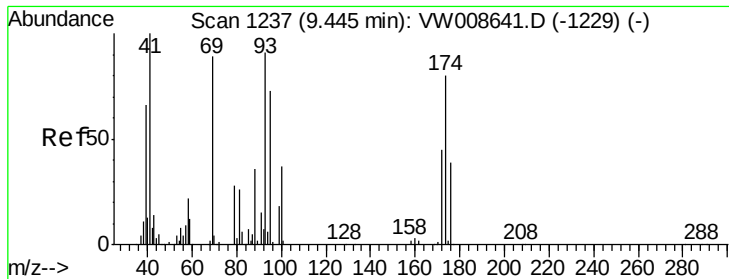


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

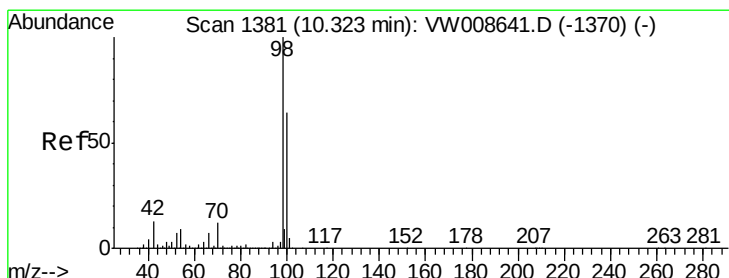
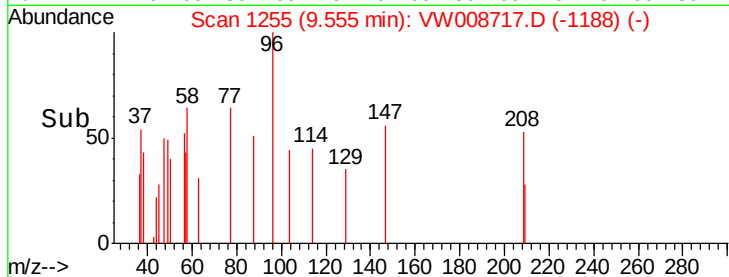
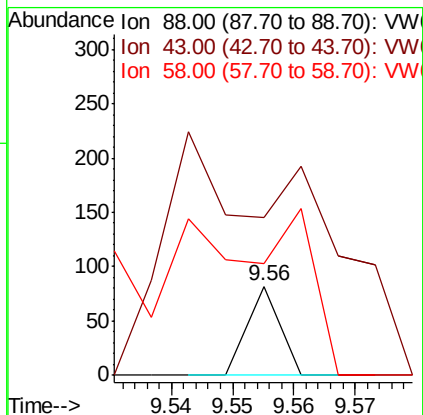
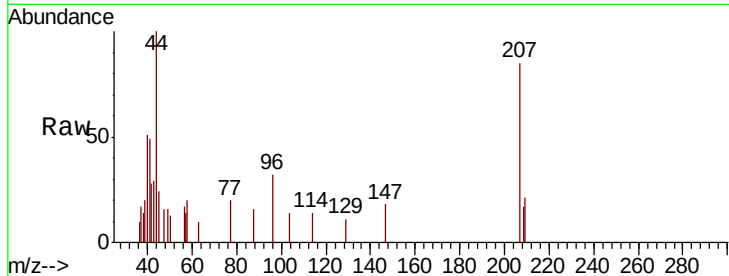




#49
1,4-Dioxane
Concen: 1.178 ug/l
RT: 9.56 min Scan# 1255
Delta R.T. 0.11 min
Lab File: VW008717.D
Acq: 16 Feb 2019 07:31

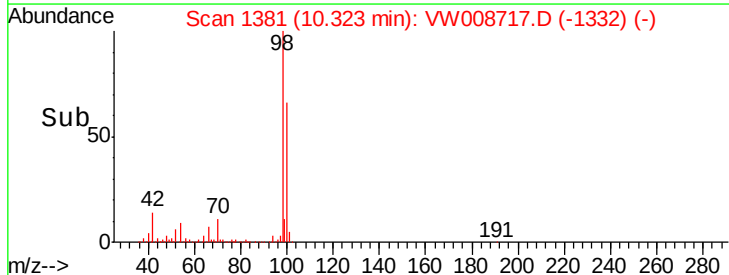
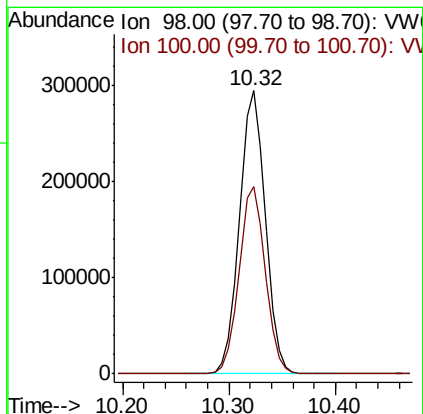
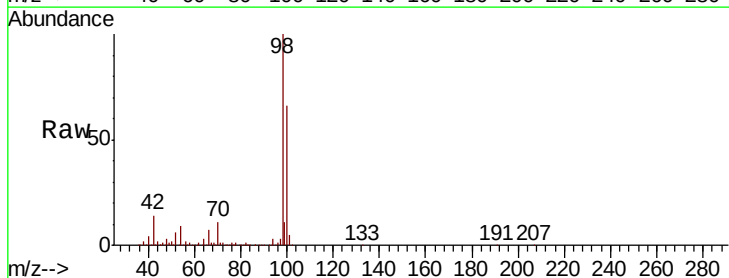
Instrument :
MSVOA_W
ClientSampled :
FLOORS

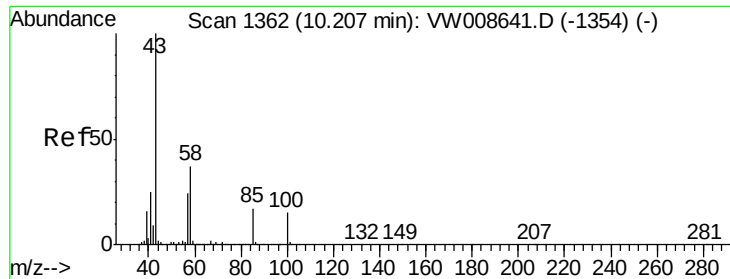
Tgt Ion: 88 Resp: 30
Ion Ratio Lower Upper
88 100
43 1230.0 31.0 46.6#
58 0.0 57.0 85.6#



#50
Toluene-d8
Concen: 49.343 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008717.D
Acq: 16 Feb 2019 07:31

Tgt Ion: 98 Resp: 503838
Ion Ratio Lower Upper
98 100
100 66.9 52.2 78.4





#51

4-Methyl-2-Pentanone

Concen: 1.641 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW008717.D

Acq: 16 Feb 2019 07:31

Instrument :

MSVOA_W

ClientSampled :

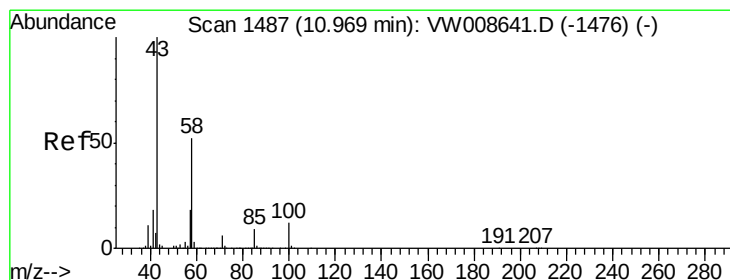
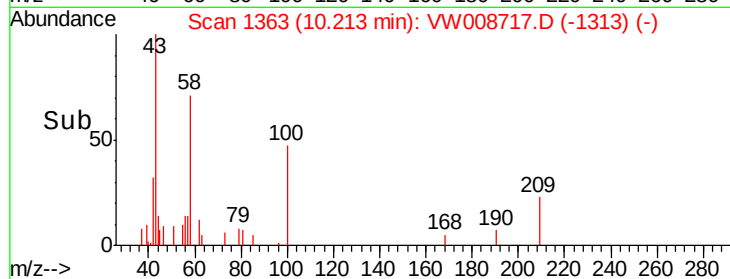
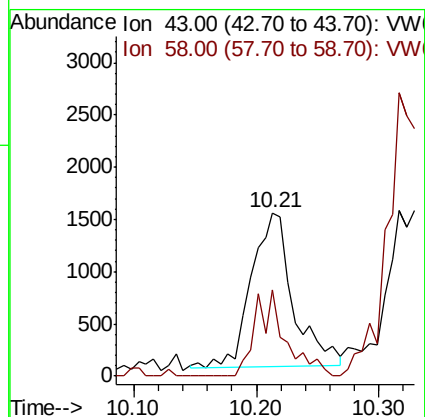
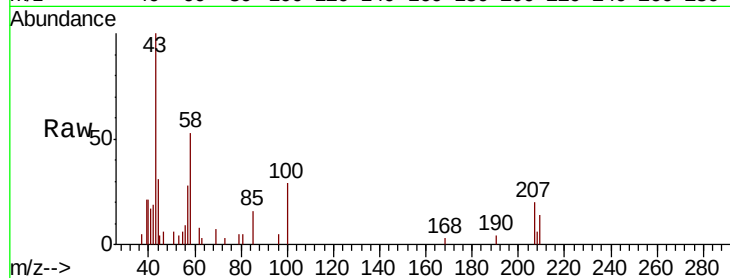
FLOORS

Tgt Ion: 43 Resp: 3475

Ion Ratio Lower Upper

43 100

58 40.6 29.0 43.6



#59

2-Hexanone

Concen: 6.153 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW008717.D

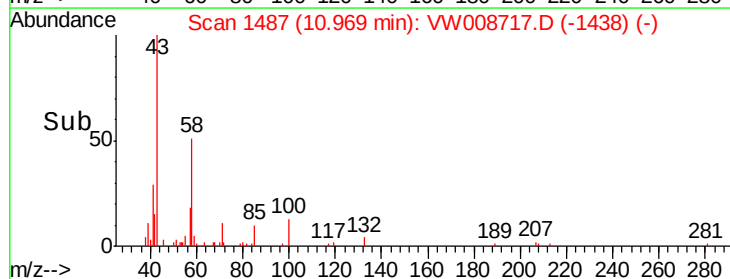
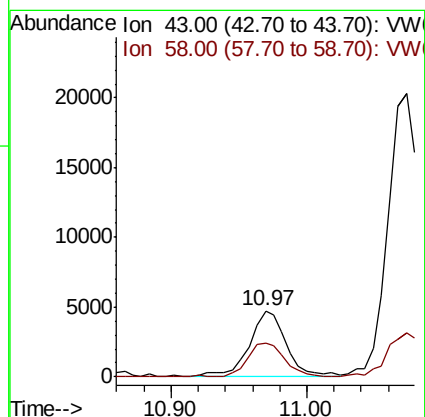
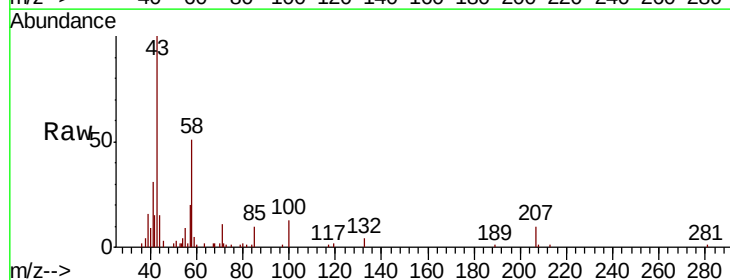
Acq: 16 Feb 2019 07:31

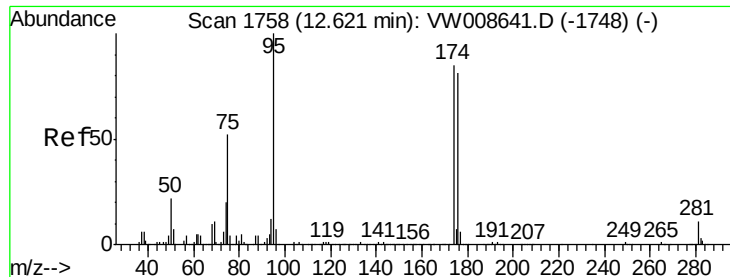
Tgt Ion: 43 Resp: 9153

Ion Ratio Lower Upper

43 100

58 51.5 25.6 76.6





#62

4-Bromofluorobenzene

Concen: 46.299 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008717.D

Acq: 16 Feb 2019 07:31

Instrument :

MSVOA_W

ClientSampled :

FLOORS

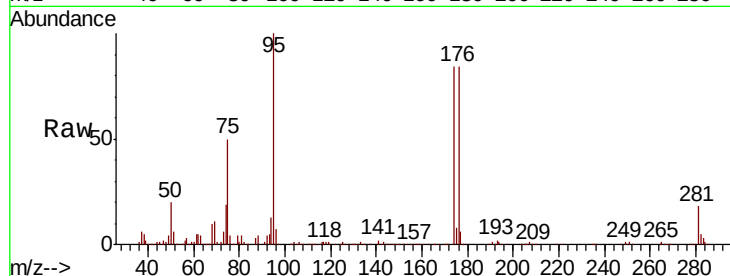
Tgt Ion: 95 Resp: 178073

Ion Ratio Lower Upper

95 100

174 85.4 0.0 163.2

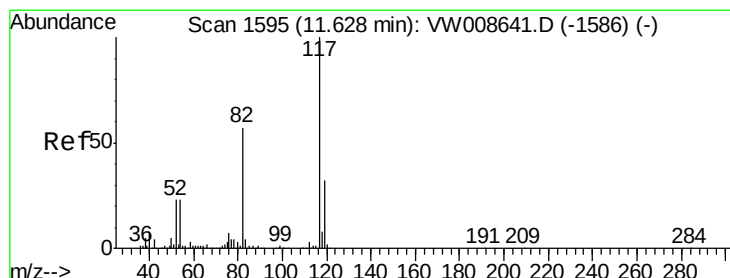
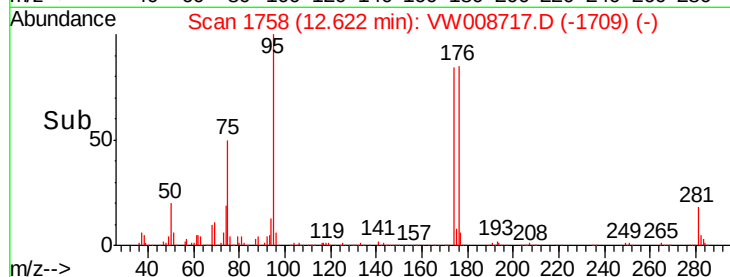
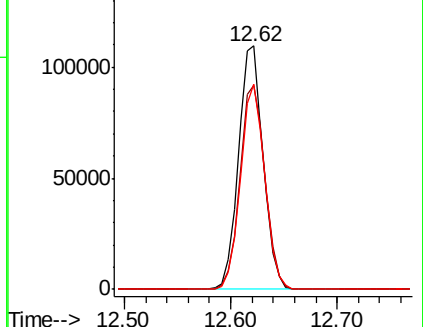
176 82.6 0.0 158.0



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VW008717.D

Acq: 16 Feb 2019 07:31

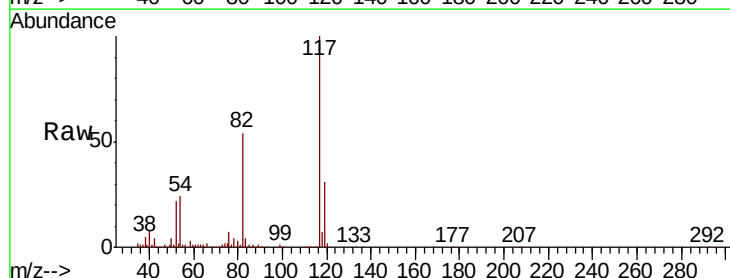
Tgt Ion: 117 Resp: 381398

Ion Ratio Lower Upper

117 100

82 54.4 45.6 68.4

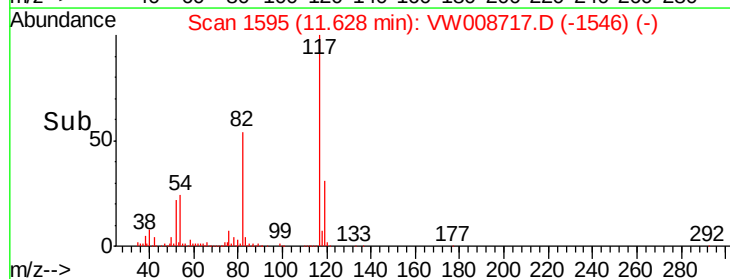
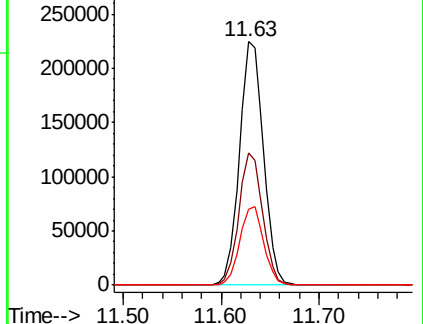
119 31.0 25.7 38.5

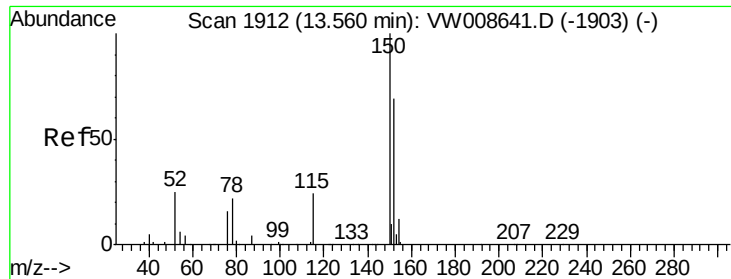


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

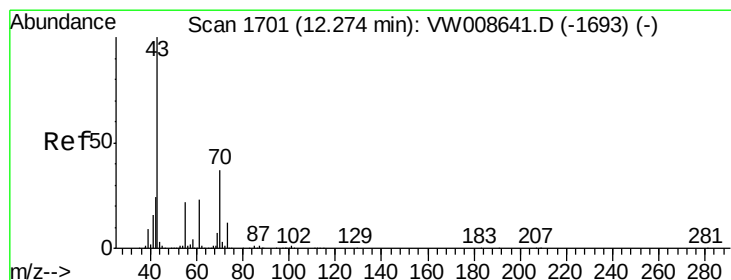
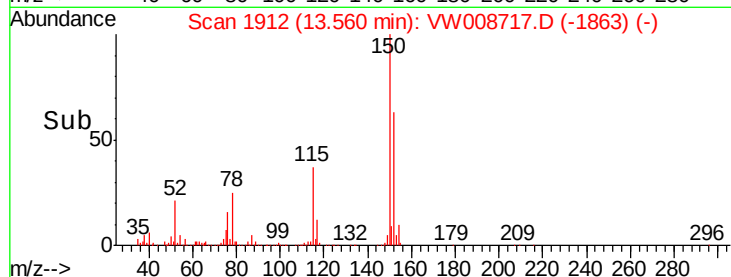
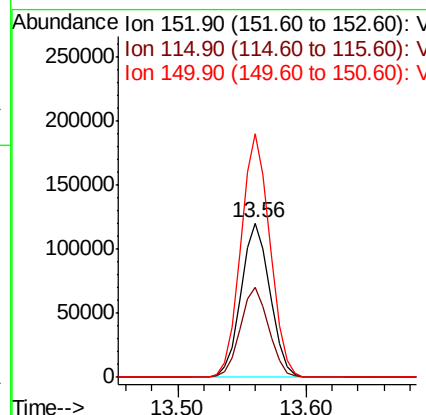
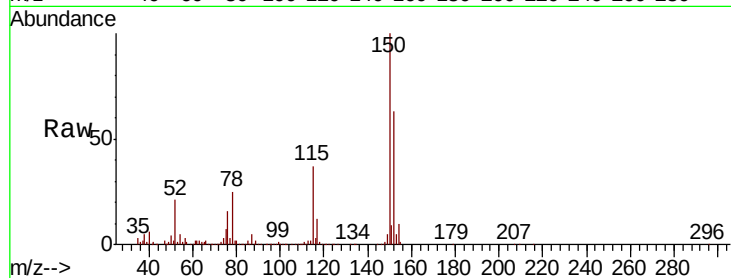




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. 0.00 min
 Lab File: VW008717.D
 Acq: 16 Feb 2019 07:31

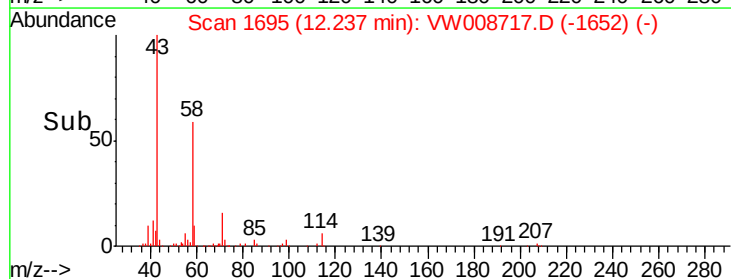
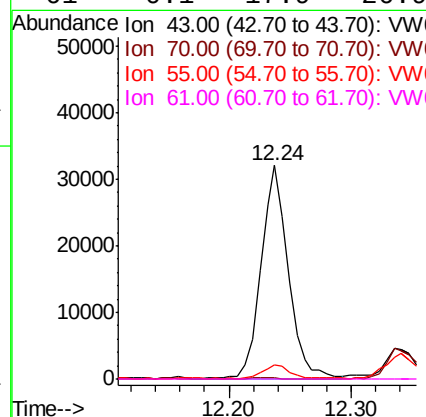
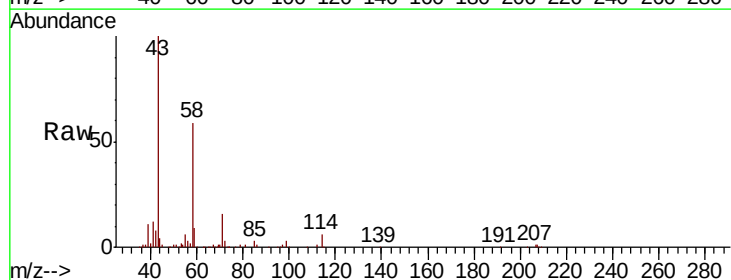
Instrument :
 MSVOA_W
 ClientSampleId :
 FLOORS

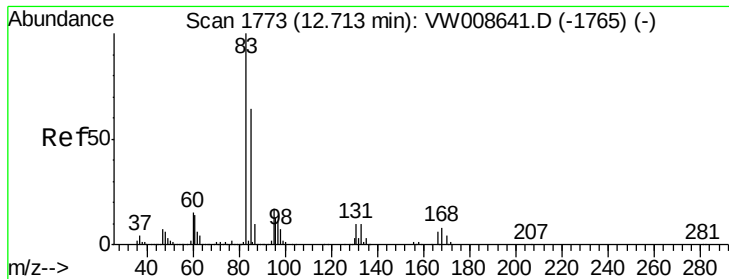
Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.5	29.3	87.8
150	157.9	0.0	352.8



#74
 N-ethyl acetate
 Concen: 13.057 ug/l
 RT: 12.24 min Scan# 1695
 Delta R.T. -0.04 min
 Lab File: VW008717.D
 Acq: 16 Feb 2019 07:31

Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.7	30.5	45.7#
55	6.6	17.6	26.4#
61	0.1	17.9	26.9#





#75

1,1,2,2-Tetrachloroethane

Concen: 1.325 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.03 min

Lab File: VW008717.D

Acq: 16 Feb 2019 07:31

Instrument :

MSVOA_W

ClientSampleId :

FLOORS

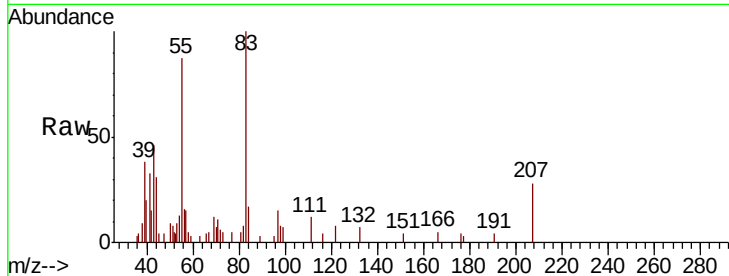
Tgt Ion: 83 Resp: 3216

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.7#

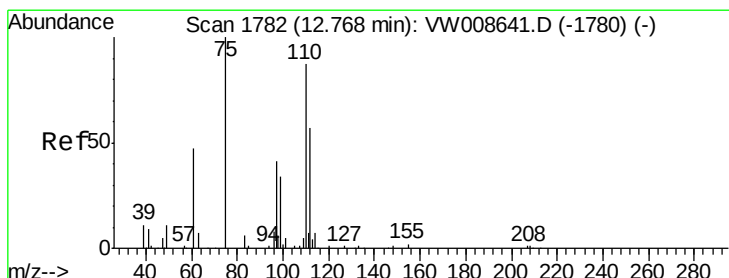
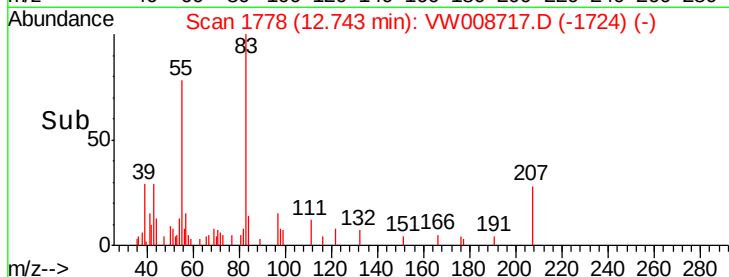
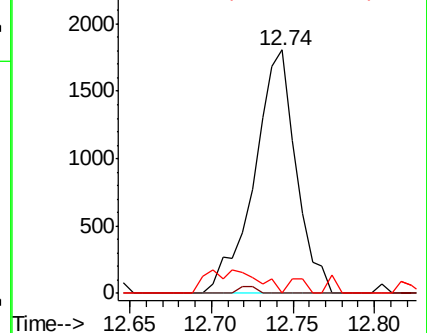
85 2.4 31.8 95.3#



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 50.657 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW008717.D

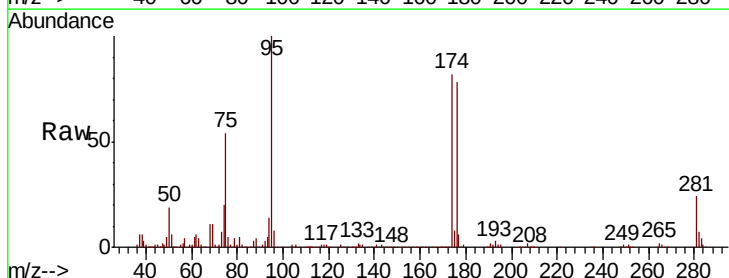
Acq: 16 Feb 2019 07:31

Tgt Ion: 75 Resp: 93648

Ion Ratio Lower Upper

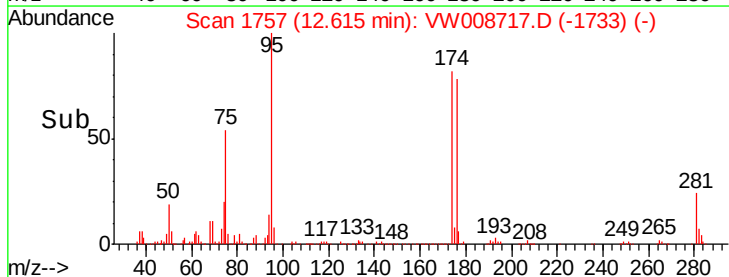
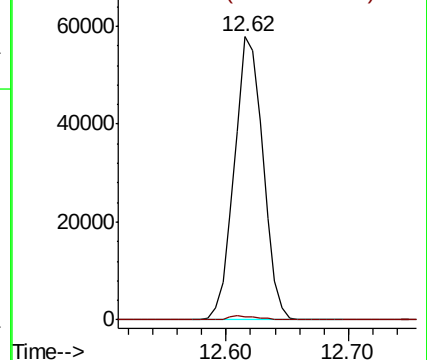
75 100

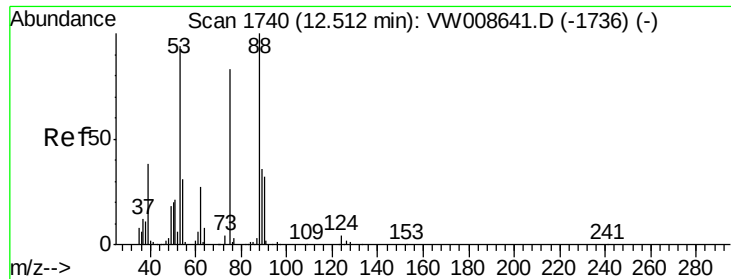
77 1.4 0.0 0.0#



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: 108.579 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW008717.D

Acq: 16 Feb 2019 07:31

Instrument :

MSVOA_W

ClientSampleId :

FLOORS

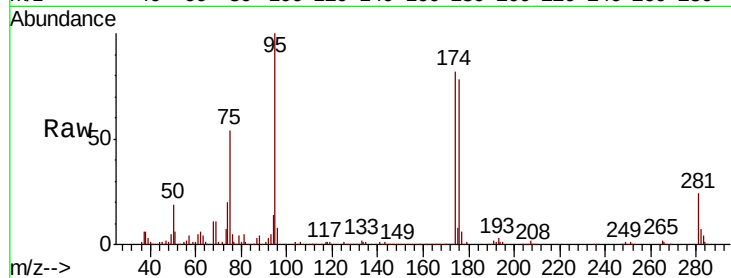
Tgt Ion: 75 Resp: 93648

Ion Ratio Lower Upper

75 100

53 0.2 87.4 131.0#

89 0.2 37.0 55.4#



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

