

Data File : VW015313.D
Acq On : 22 Apr 2020 17:20
Operator : SY/VA
Sample : L2360-02
Misc : 5.04G/5ML/MSVOA_W/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CONCRETE FLOOR

Quant Time: Apr 23 07:04:39 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 21 06:39:58 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	194954	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	275081	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	246205	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	109038	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	72835	45.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.38%	
35) Dibromofluoromethane	7.88	113	76695	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	
50) Toluene-d8	10.32	98	330088	51.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.00%	
62) 4-Bromofluorobenzene	12.62	95	106962	43.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.48%	

Target Compounds

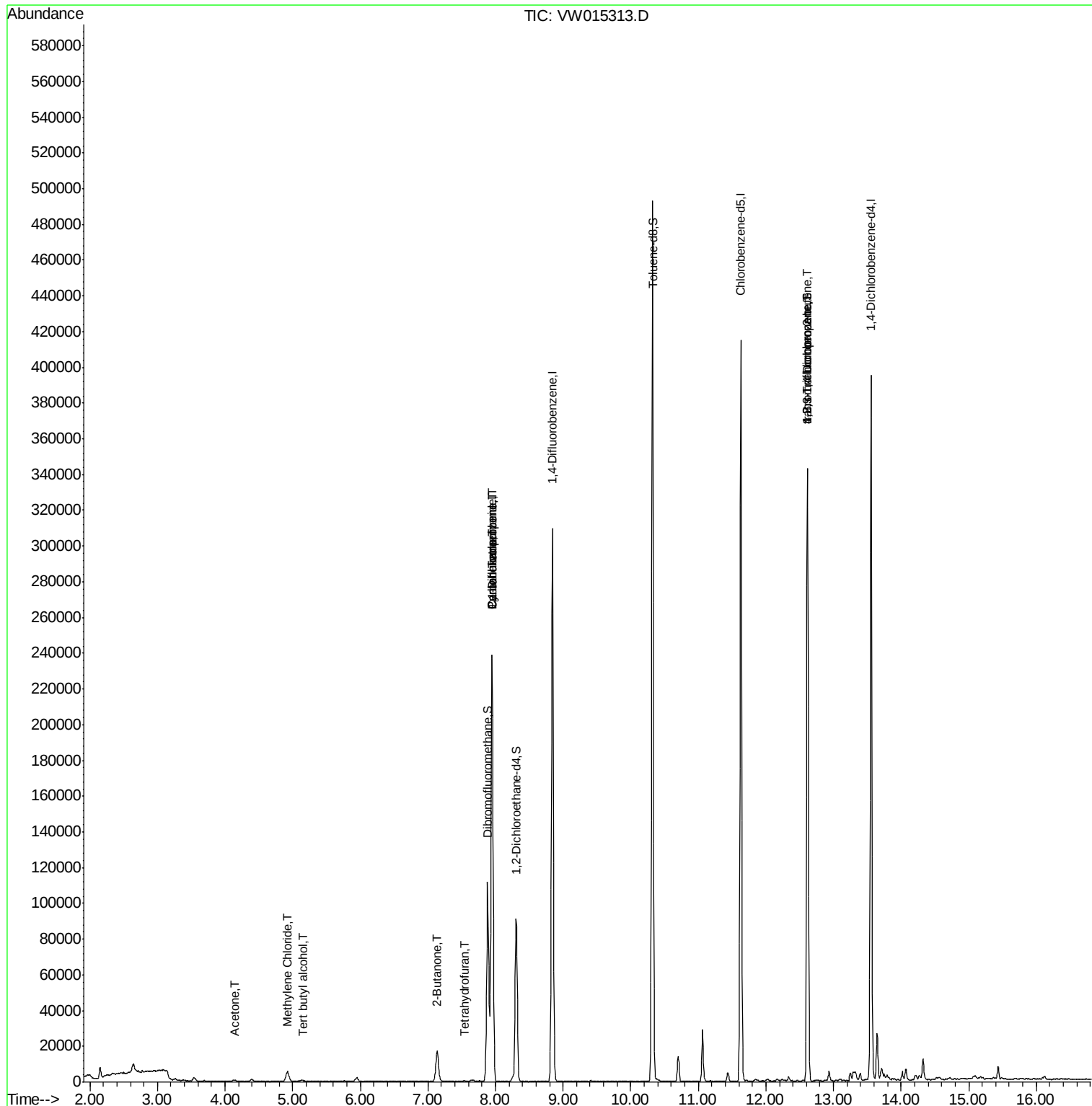
						Qvalue
11) Tert butyl alcohol	5.15	59	670	5.156	ug/l #	85
16) Acetone	4.14	43	1601	5.750	ug/l	93
20) Methylene Chloride	4.92	84	4726	2.590	ug/l	96
25) 2-Butanone	7.14	43	1078	2.918	ug/l #	48
29) Tetrahydrofuran	7.56	42	339	1.473	ug/l #	48
31) Cyclohexane	7.95	56	3675	1.247	ug/l #	14
36) 1,1-Dichloropropene	7.95	75	12882	5.189	ug/l #	49
38) Carbon Tetrachloride	7.95	117	17417	6.419	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	54315	64.390	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	54315	140.758	ug/l #	15

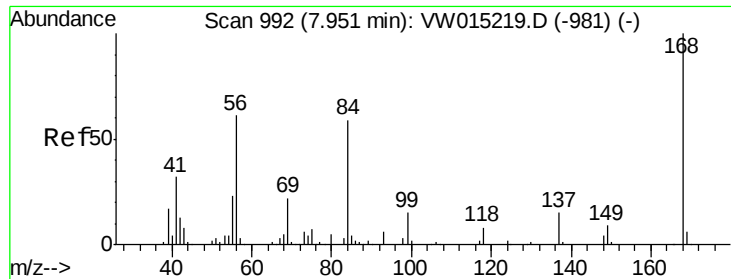
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW015313.D

Acq: 22 Apr 2020 17:20

Instrument :

MSVOA_W

ClientSampleId :

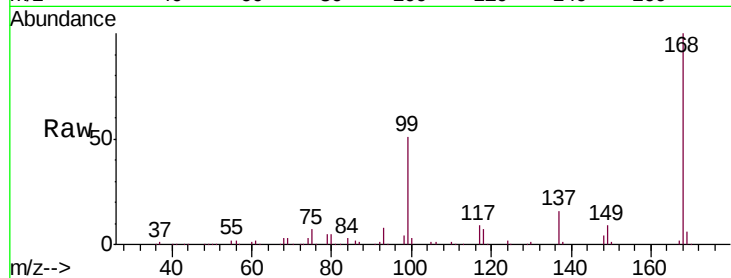
CONCRETE FLOOR

Tgt Ion:168 Resp: 194954

Ion Ratio Lower Upper

168 100

99 50.6 48.5 72.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

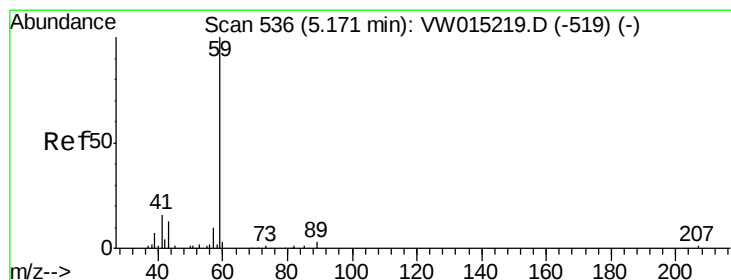
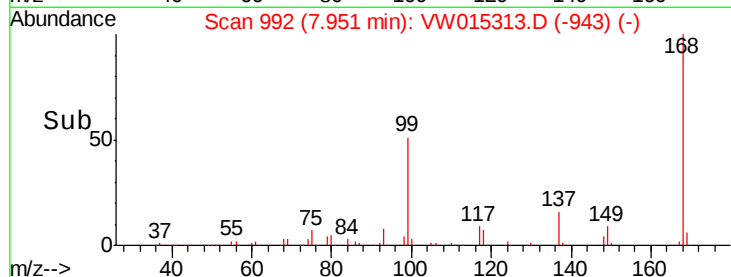
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 5.156 ug/l

RT: 5.15 min Scan# 532

Delta R.T. -0.02 min

Lab File: VW015313.D

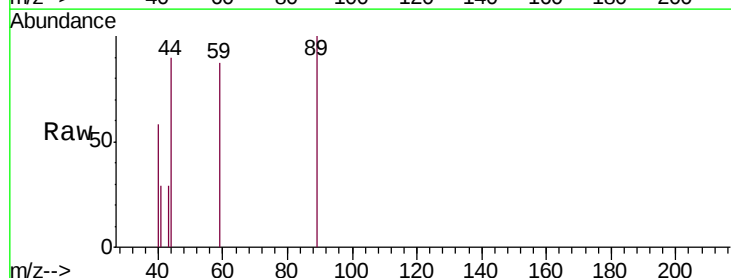
Acq: 22 Apr 2020 17:20

Tgt Ion: 59 Resp: 670

Ion Ratio Lower Upper

59 100

57 4.8 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.15

200

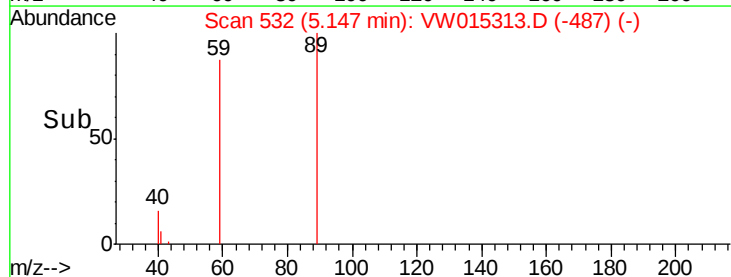
150

100

50

0

Time-->





#16

Acetone

Concen: 5.750 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW015313.D

Acq: 22 Apr 2020 17:20

Instrument :

MSVOA_W

ClientSampleId :

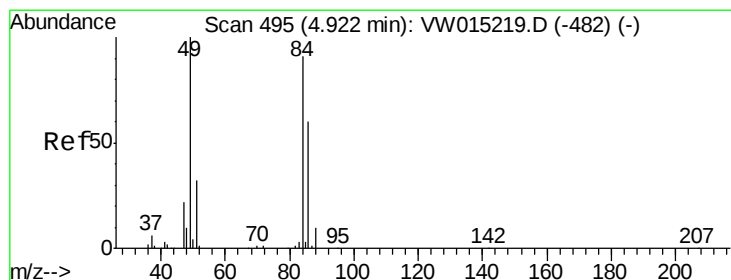
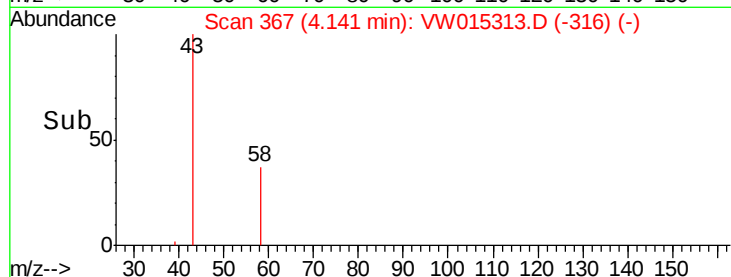
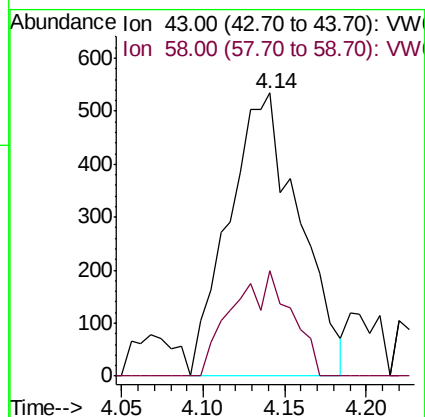
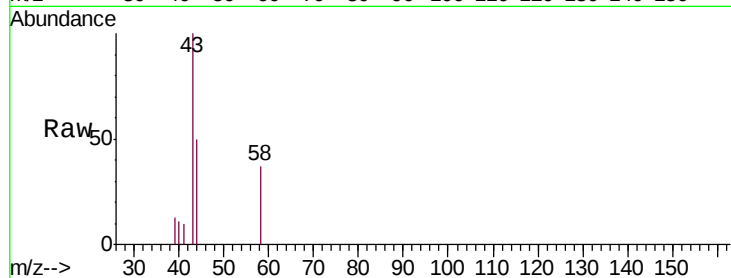
CONCRETE FLOOR

Tgt Ion: 43 Resp: 1601

Ion Ratio Lower Upper

43 100

58 37.5 27.0 40.4



#20

Methylene Chloride

Concen: 2.590 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW015313.D

Acq: 22 Apr 2020 17:20

Tgt Ion: 84 Resp: 4726

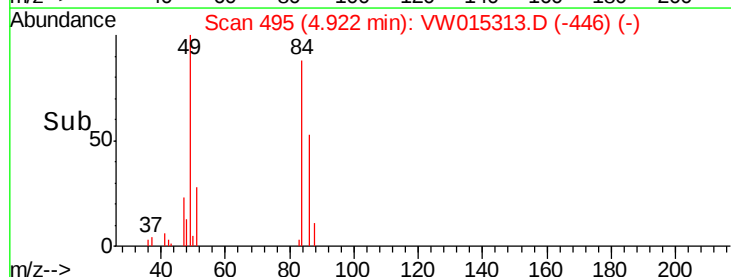
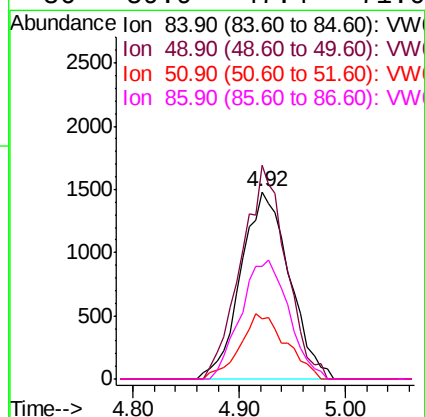
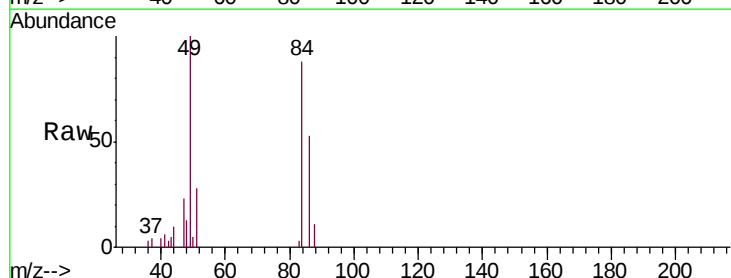
Ion Ratio Lower Upper

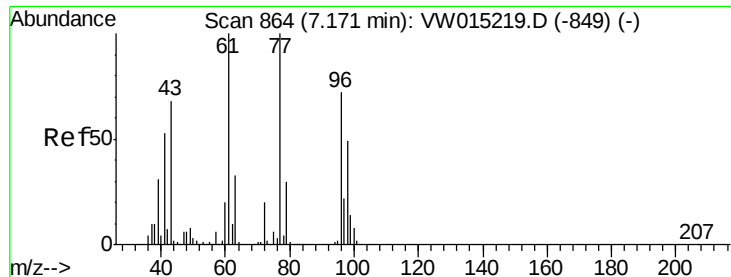
84 100

49 114.0 95.4 143.0

51 32.4 29.8 44.8

86 59.9 47.4 71.0





#25

2-Butanone

Concen: 2.918 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW015313.D

Acq: 22 Apr 2020 17:20

Instrument :

MSVOA_W

ClientSampleId :

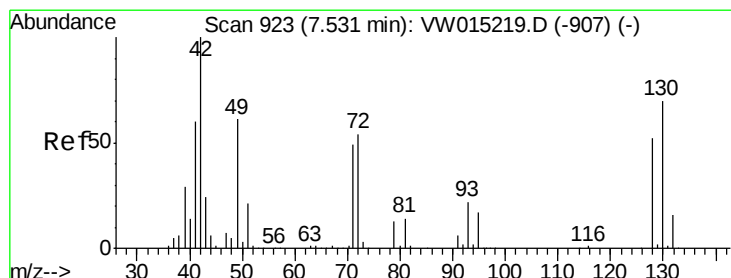
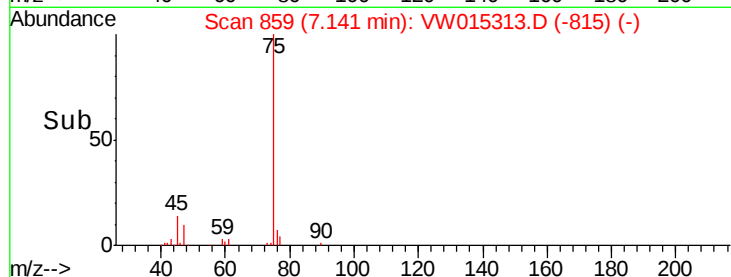
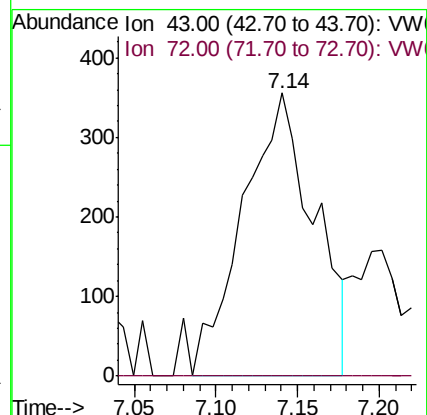
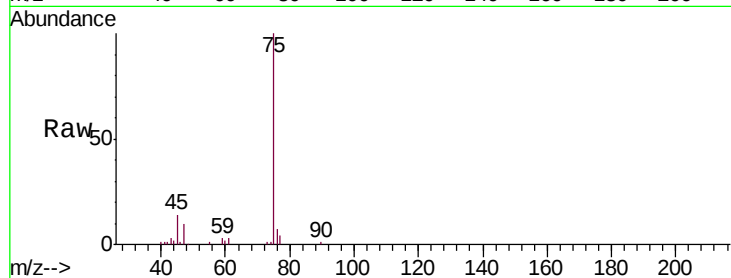
CONCRETE FLOOR

Tgt Ion: 43 Resp: 1078

Ion Ratio Lower Upper

43 100

72 0.0 21.6 32.4#



#29

Tetrahydrofuran

Concen: 1.473 ug/l

RT: 7.56 min Scan# 927

Delta R.T. 0.02 min

Lab File: VW015313.D

Acq: 22 Apr 2020 17:20

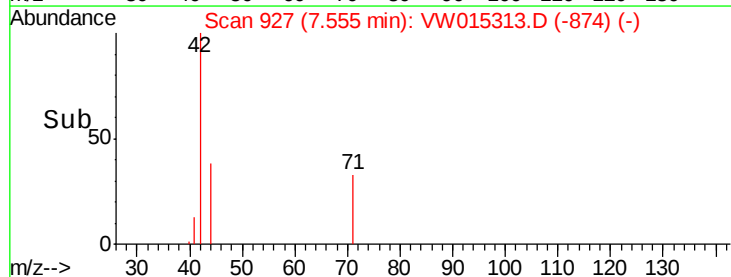
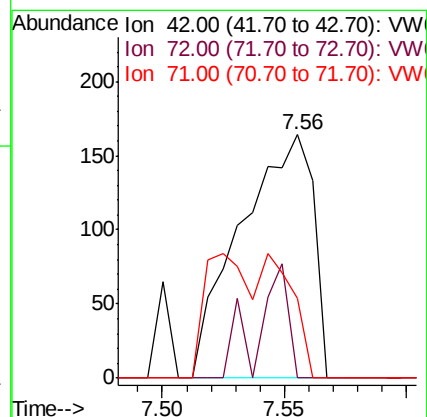
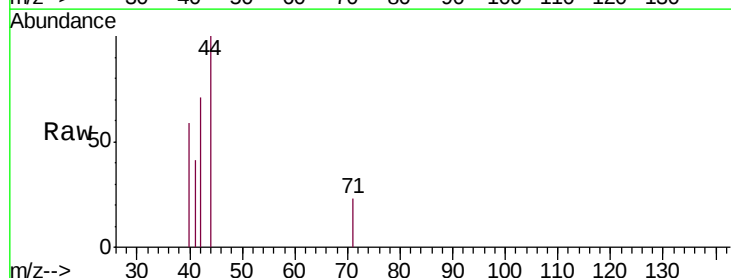
Tgt Ion: 42 Resp: 339

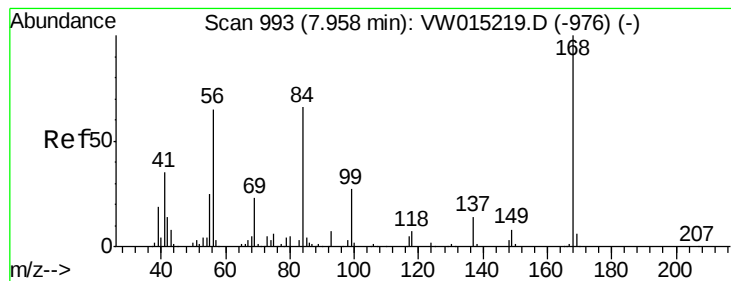
Ion Ratio Lower Upper

42 100

72 20.1 36.2 54.2#

71 0.0 34.2 51.4#





#31

Cyclohexane

Concen: 1.247 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW015313.D

Acq: 22 Apr 2020 17:20

Instrument :

MSVOA_W

ClientSampleId :

CONCRETE FLOOR

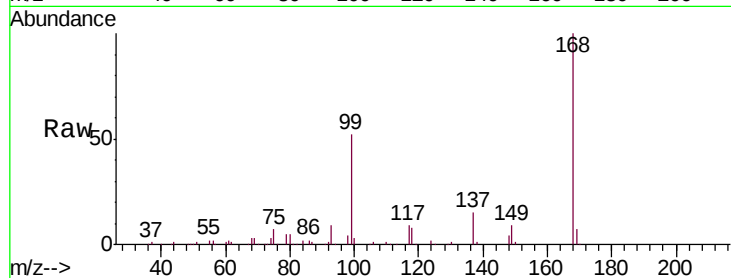
Tgt Ion: 56 Resp: 3675

Ion Ratio Lower Upper

56 100

69 153.0 27.1 40.7#

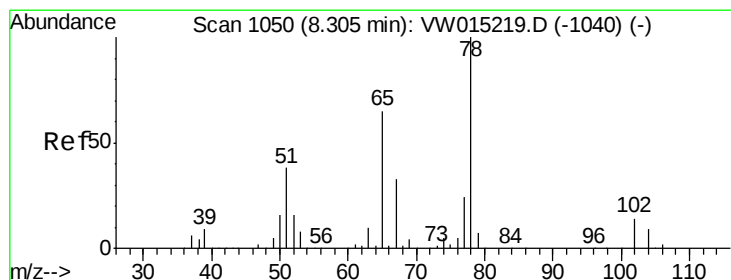
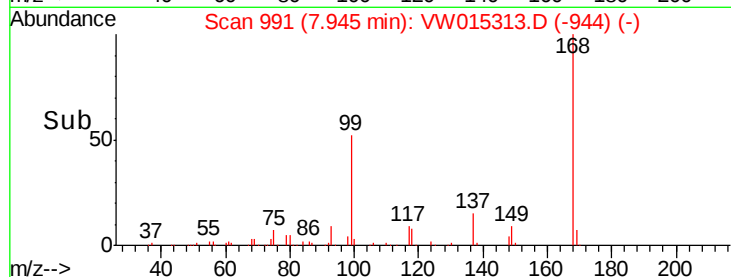
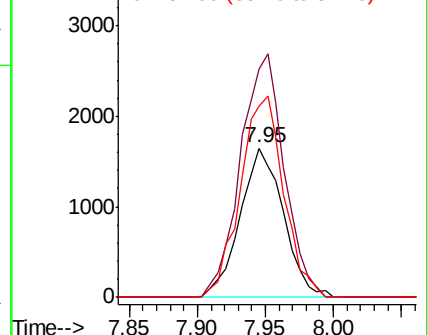
84 127.9 71.9 107.9#



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: 45.687 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW015313.D

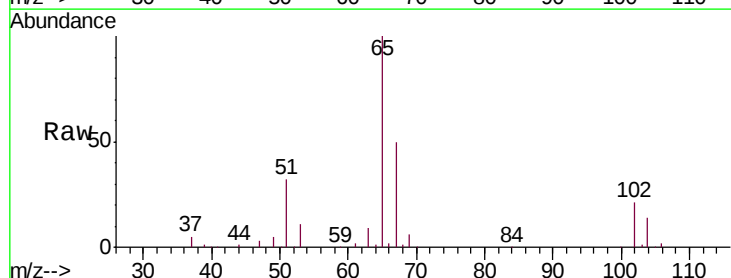
Acq: 22 Apr 2020 17:20

Tgt Ion: 65 Resp: 72835

Ion Ratio Lower Upper

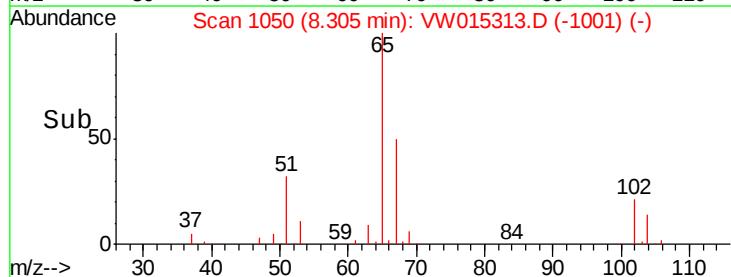
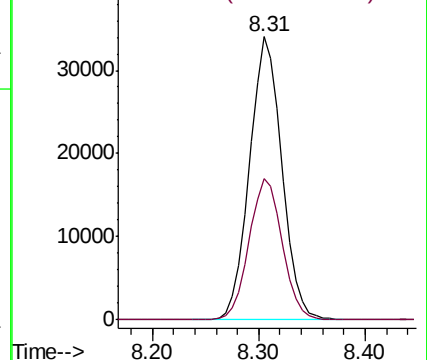
65 100

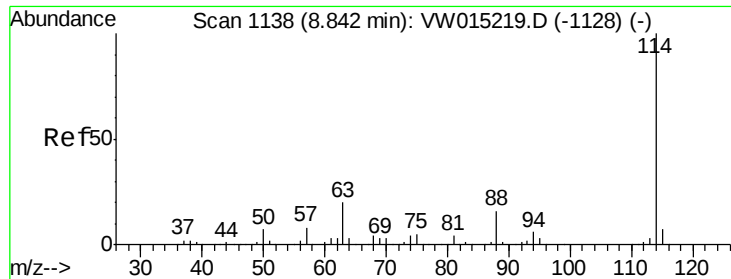
67 51.5 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

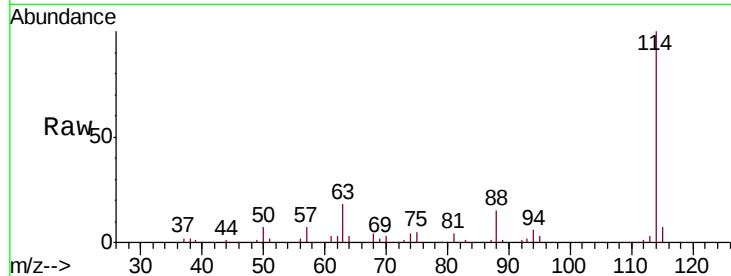




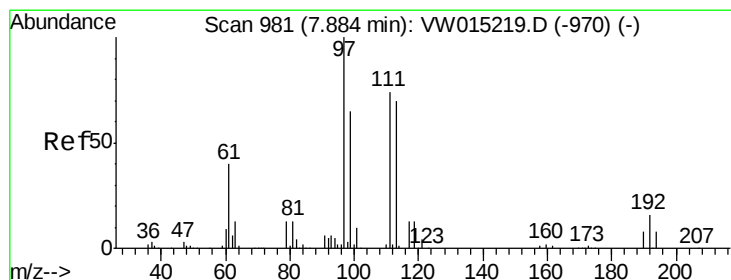
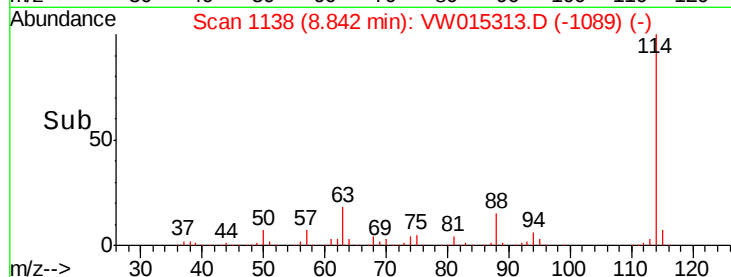
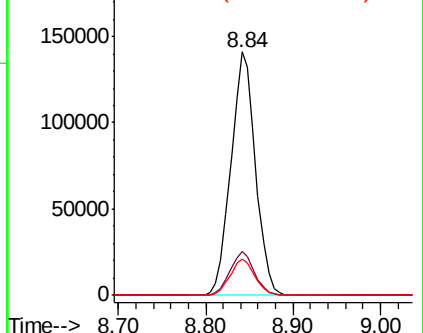
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW015313.D
 Acq: 22 Apr 2020 17:20

Instrument :
 MSVOA_W
 ClientSampleId :
 CONCRETE FLOOR

Tgt Ion:114 Resp: 275081
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 39.8
 88 15.1 0.0 30.2

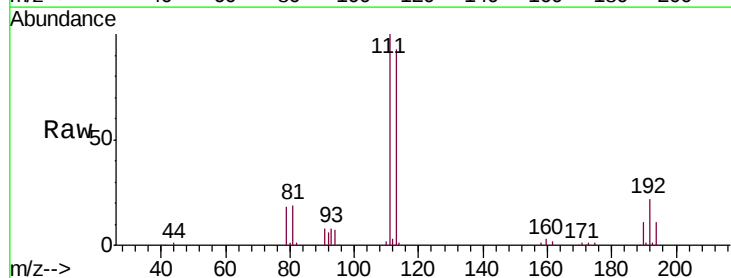


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

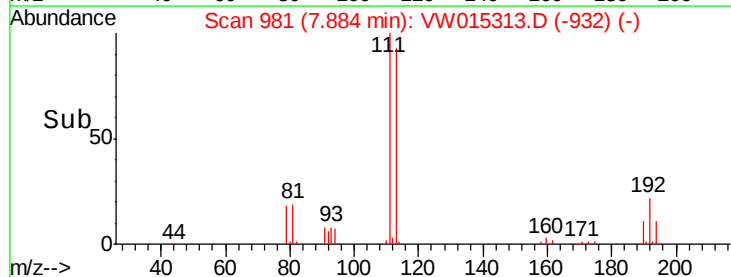
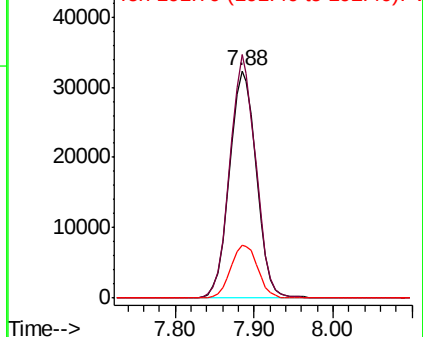


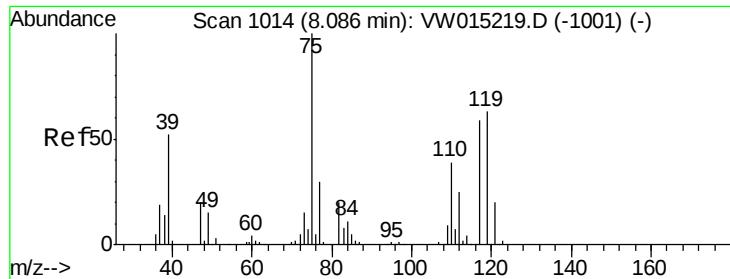
#35
 Dibromofluoromethane
 Concen: 50.334 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW015313.D
 Acq: 22 Apr 2020 17:20

Tgt Ion:113 Resp: 76695
 Ion Ratio Lower Upper
 113 100
 111 103.2 83.0 124.4
 192 23.4 15.1 22.7#



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

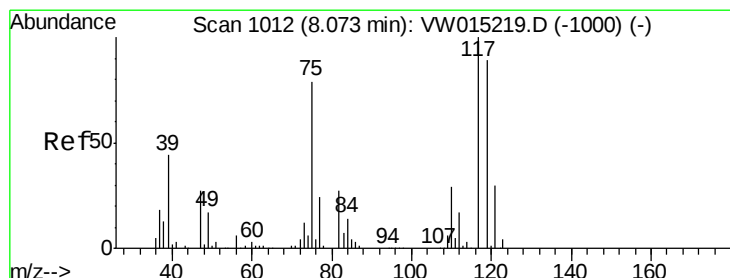
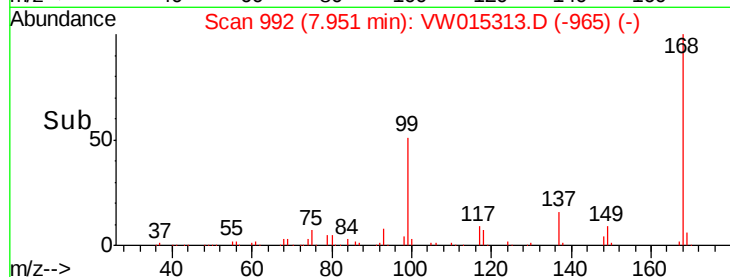
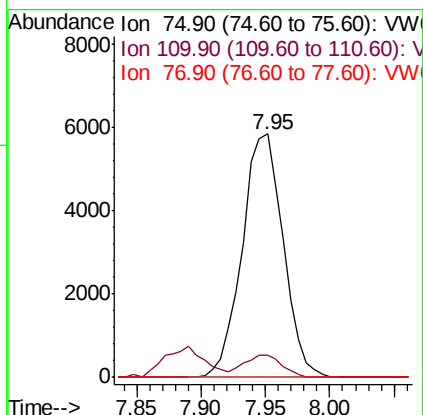
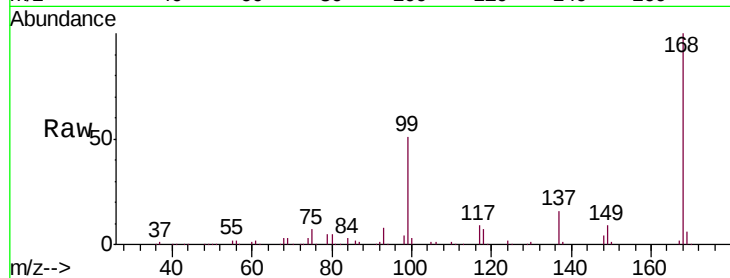




#36
 1,1-Dichloropropene
 Concen: 5.189 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW015313.D
 Acq: 22 Apr 2020 17:20

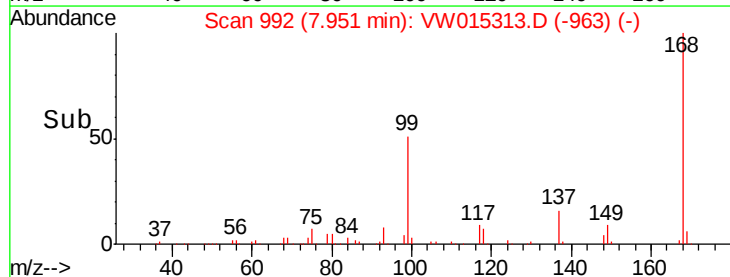
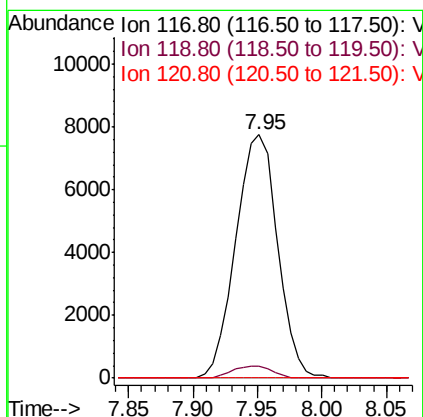
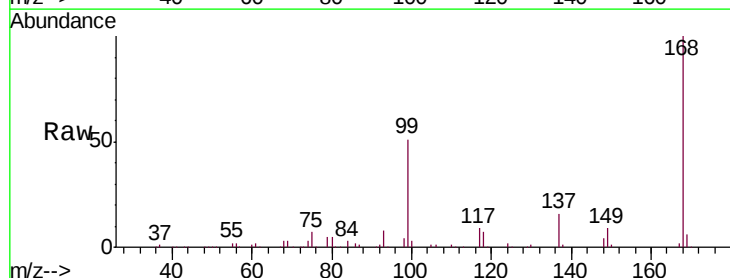
Instrument :
 MSVOA_W
 ClientSampleId :
 CONCRETE FLOOR

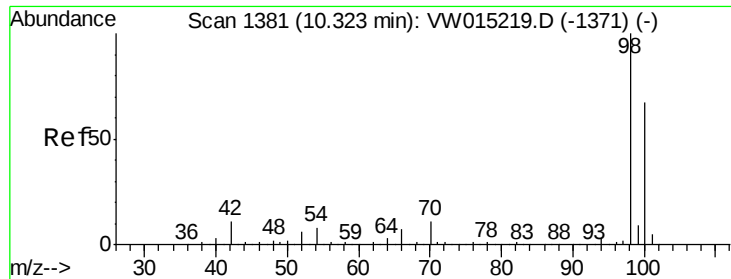
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	18.2	54.6#
77	0.0	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.419 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW015313.D
 Acq: 22 Apr 2020 17:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.7	72.3	108.5#
121	0.0	23.7	35.5#





#50

Toluene-d8

Concen: 51.497 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW015313.D

Acq: 22 Apr 2020 17:20

Instrument :

MSVOA_W

ClientSampleId :

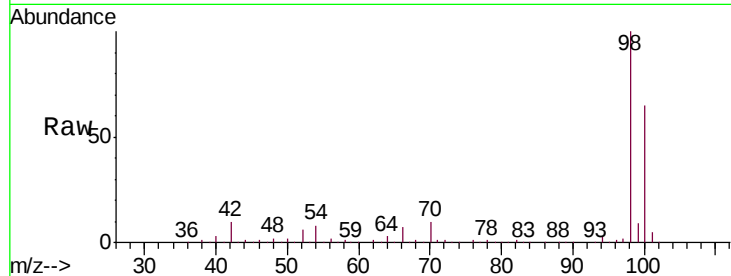
CONCRETE FLOOR

Tgt Ion: 98 Resp: 330088

Ion Ratio Lower Upper

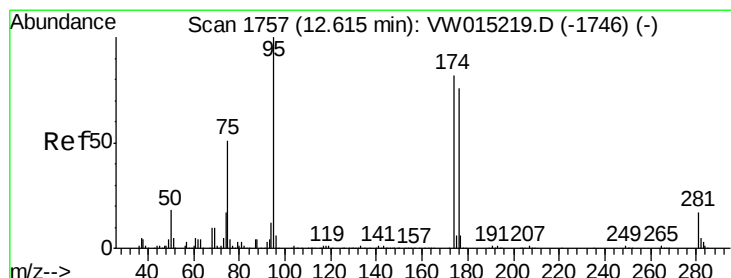
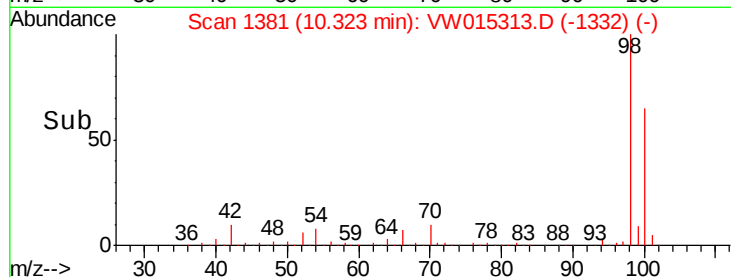
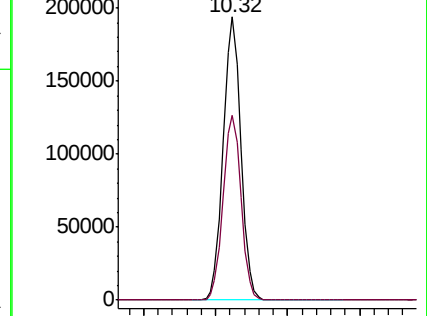
98 100

100 66.2 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 43.735 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW015313.D

Acq: 22 Apr 2020 17:20

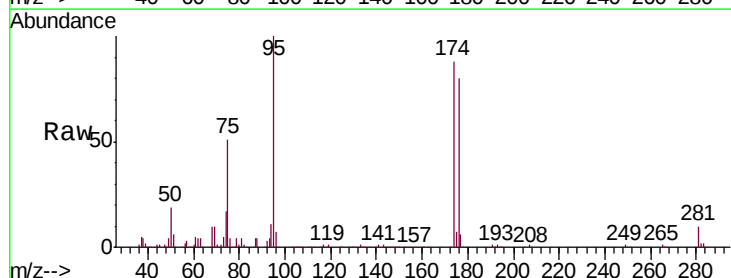
Tgt Ion: 95 Resp: 106962

Ion Ratio Lower Upper

95 100

174 90.3 0.0 144.4

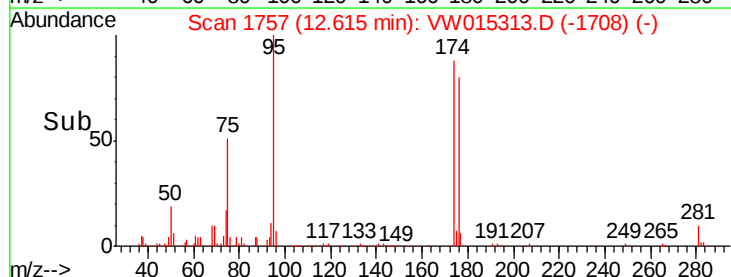
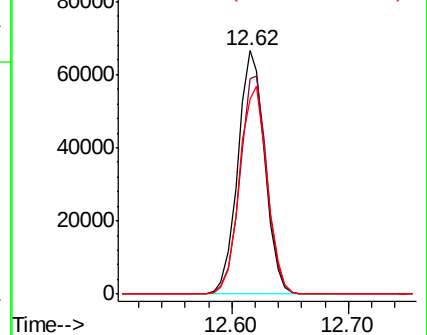
176 87.9 0.0 140.6

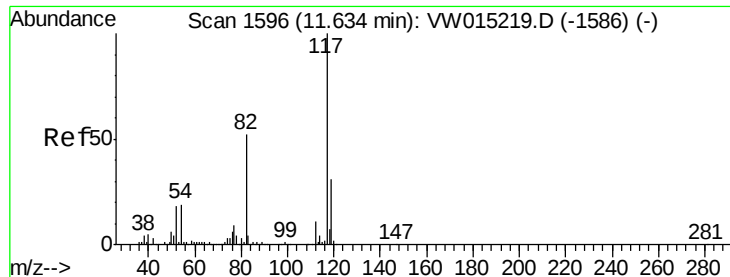


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

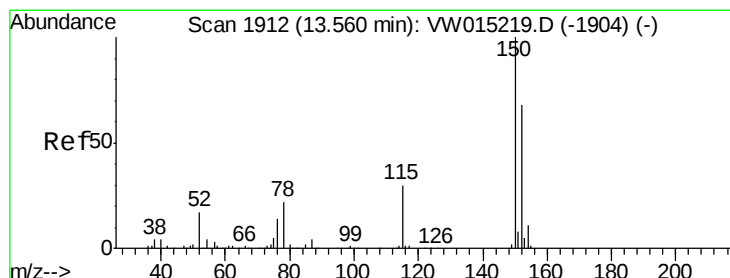
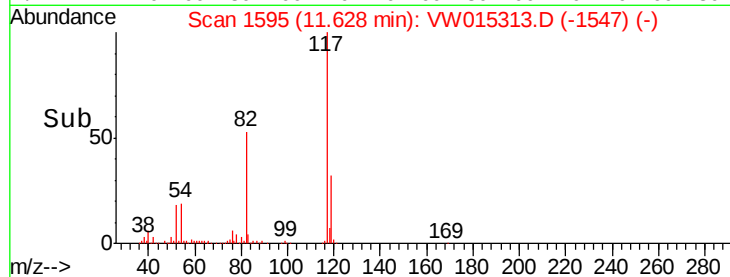
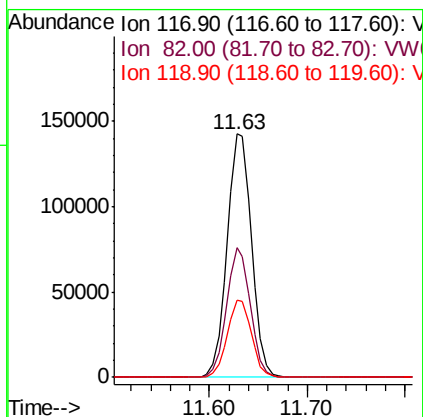
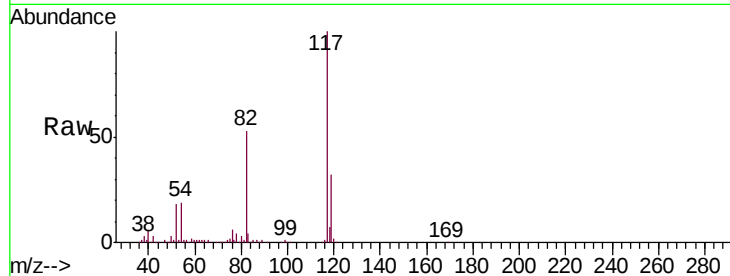




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW015313.D
Acq: 22 Apr 2020 17:20

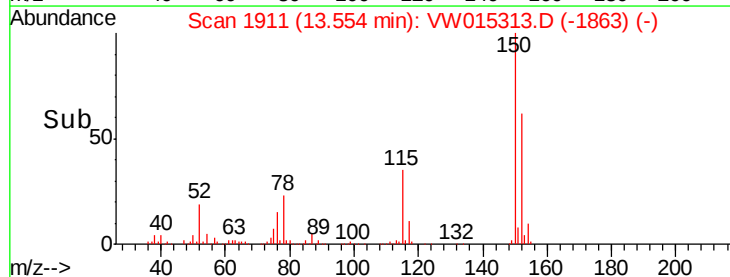
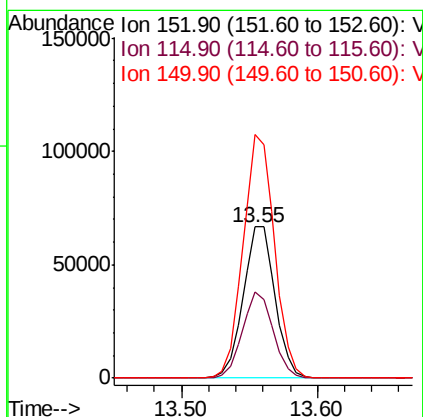
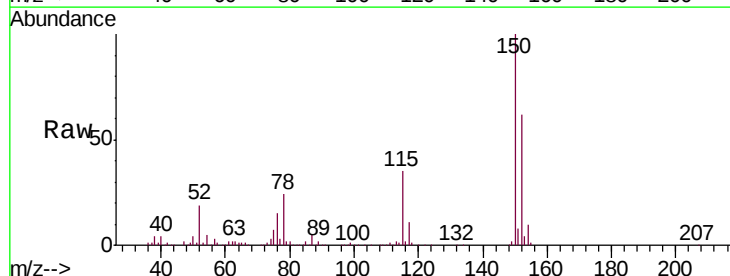
Instrument :
MSVOA_W
ClientSampleId :
CONCRETE FLOOR

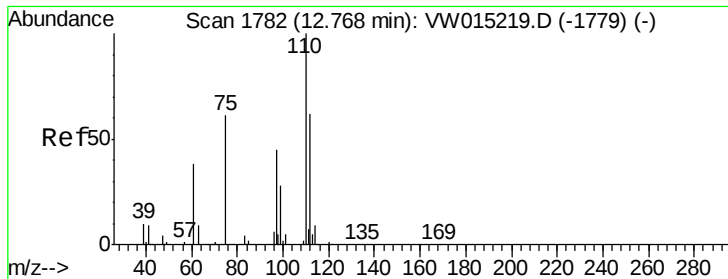
Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.1	44.1	66.1
119	31.9	24.9	37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW015313.D
Acq: 22 Apr 2020 17:20

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.0	31.3	93.9
150	159.0	0.0	343.4





#76

1,2,3-Trichloropropane

Concen: 64.390 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW015313.D

Acq: 22 Apr 2020 17:20

Instrument :

MSVOA_W

ClientSampleId :

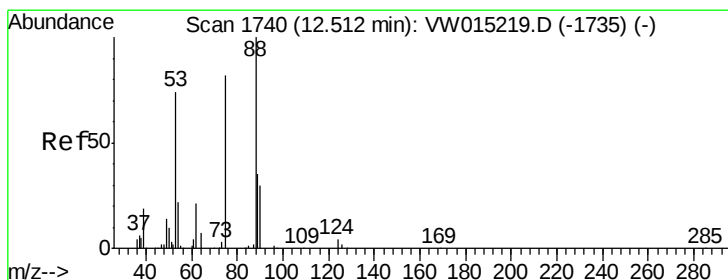
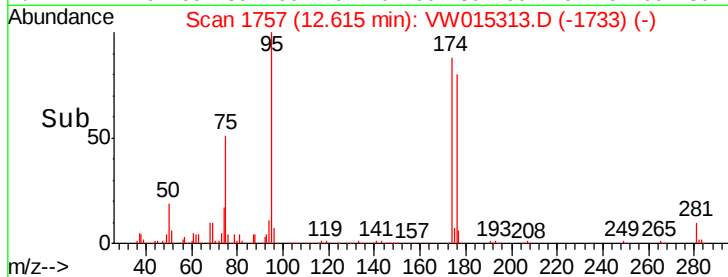
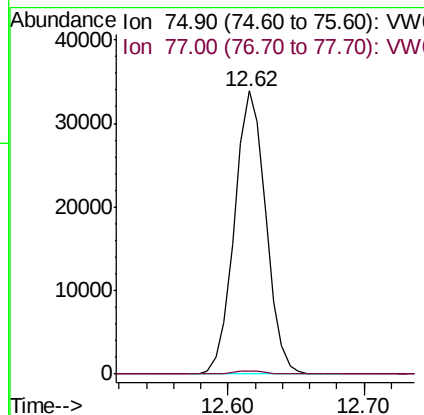
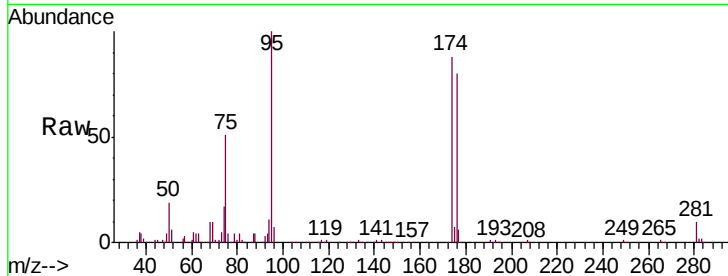
CONCRETE FLOOR

Tgt Ion: 75 Resp: 54315

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 140.758 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW015313.D

Acq: 22 Apr 2020 17:20

Tgt Ion: 75 Resp: 54315

Ion Ratio Lower Upper

75 100

53 0.0 69.4 104.2#

89 0.0 34.8 52.2#

