

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061125\
 Data File : VX046653.D
 Acq On : 11 Jun 2025 21:10
 Operator : JC/MD
 Sample : Q2285-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 HAM-CONCRETE

Quant Time: Jun 12 02:42:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 06 16:56:12 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

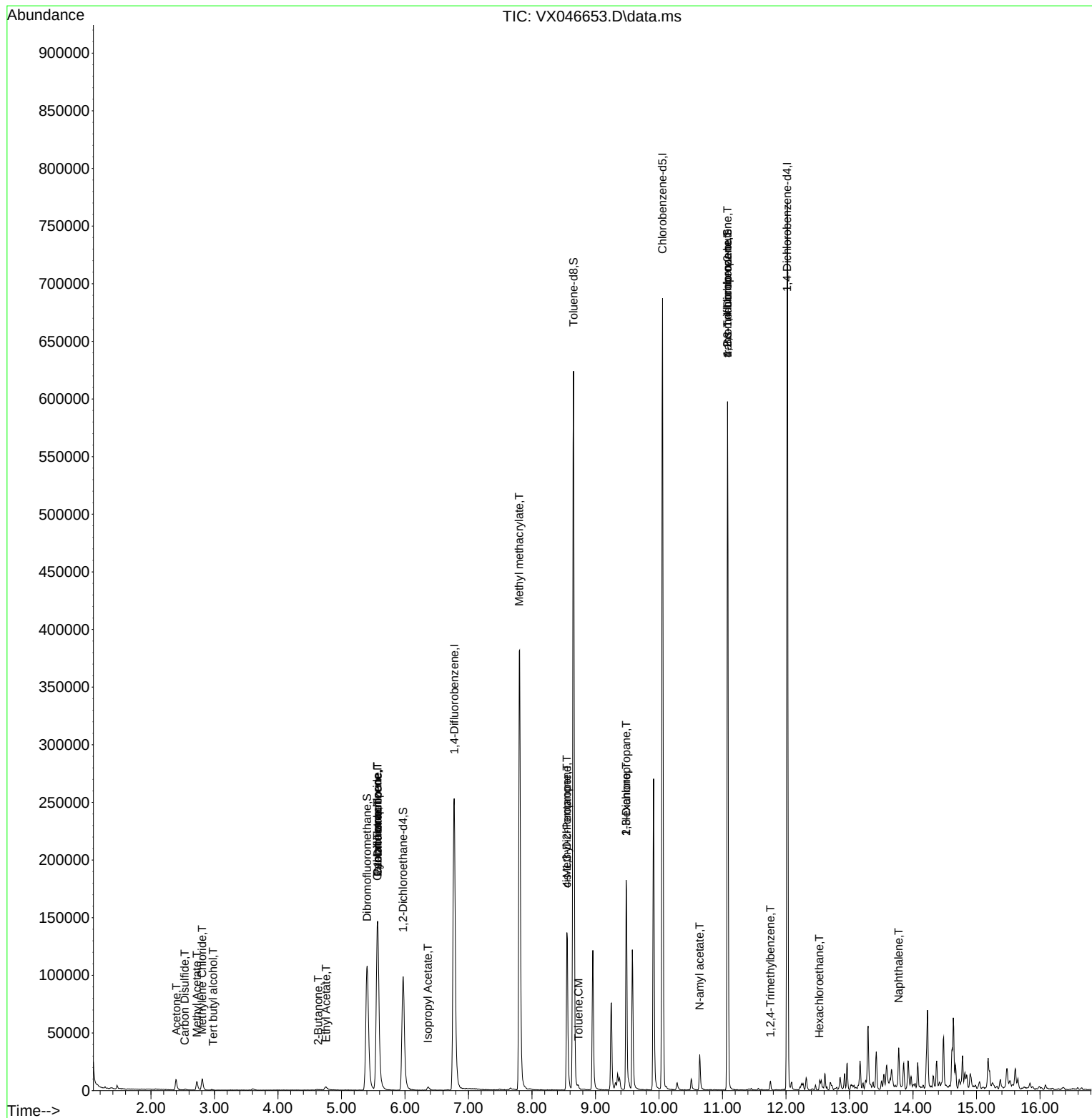
Internal Standards						
1) Pentafluorobenzene	5.568	168	147536	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	277539	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	294353	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	157601	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.971	65	105725	40.279	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	80.560%		
35) Dibromofluoromethane	5.404	113	102831	50.382	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.760%		
50) Toluene-d8	8.653	98	370213	55.018	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	110.040%		
62) 4-Bromofluorobenzene	11.079	95	155244	55.761	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	111.520%		
Target Compounds						Qvalue
11) Tert butyl alcohol	2.977	59	78	0.268	ug/l #	72
16) Acetone	2.398	43	11697	15.734	ug/l	92
17) Carbon Disulfide	2.532	76	415	0.314	ug/l #	76
18) Methyl Acetate	2.721	43	10392	3.324	ug/l	98
20) Methylene Chloride	2.807	84	4602	2.185	ug/l	88
25) 2-Butanone	4.635	43	1268	0.868	ug/l #	53
31) Cyclohexane	5.568	56	3269	1.071	ug/l #	1
36) 1,1-Dichloropropene	5.568	75	12360	4.240	ug/l #	52
37) Ethyl Acetate	4.757	43	4954	1.741	ug/l	98
38) Carbon Tetrachloride	5.562	117	16190	4.958	ug/l #	17
43) Isopropyl Acetate	6.361	43	4271	0.861	ug/l	93
48) Methyl methacrylate	7.800	41	36573	14.330	ug/l #	48
51) 4-Methyl-2-Pentanone	8.549	43	49993	15.859	ug/l #	51
52) Toluene	8.732	92	1080	0.214	ug/l	94
54) cis-1,3-Dichloropropene	8.549	75	23512	7.197	ug/l #	54
57) 1,3-Dichloropropane	9.482	76	1679	0.469	ug/l #	42
59) 2-Hexanone	9.482	43	23908	10.575	ug/l #	58
74) N-amyl acetate	10.640	43	8313	1.524	ug/l #	55
76) 1,2,3-Trichloropropane	11.079	75	80554	24.131	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	80554	69.609	ug/l #	1
84) 1,2,4-Trimethylbenzene	11.756	105	3598	0.345	ug/l	93
90) Hexachloroethane	12.524	117	433	0.216	ug/l #	19
95) Naphthalene	13.774	128	22461	1.926	ug/l	98

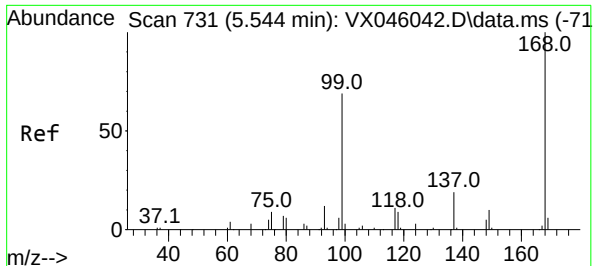
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
HAM-CONCRETE

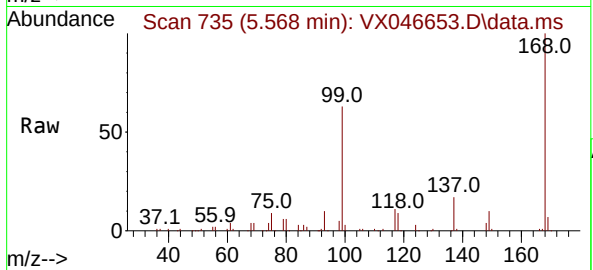
Quant Time: Jun 12 02:42:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
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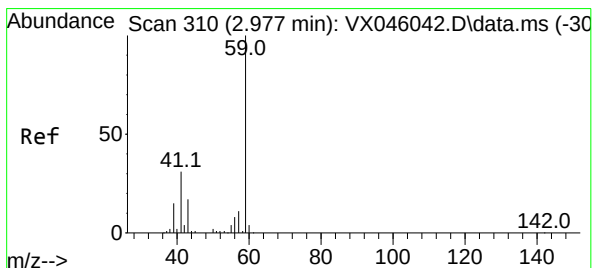
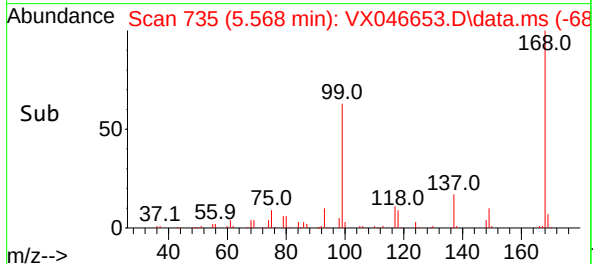
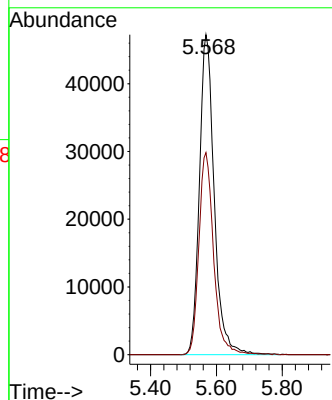


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.000 min
Lab File: VX046653.D
Acq: 11 Jun 2025 21:10

Instrument :
MSVOA_X
ClientSampleId :
HAM-CONCRETE

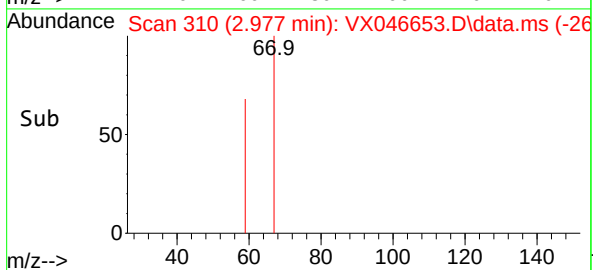
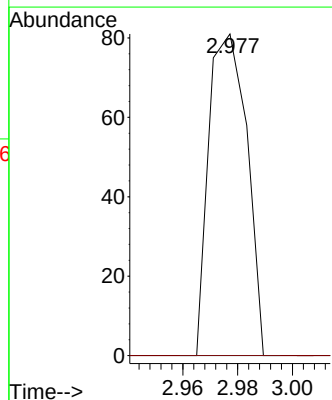
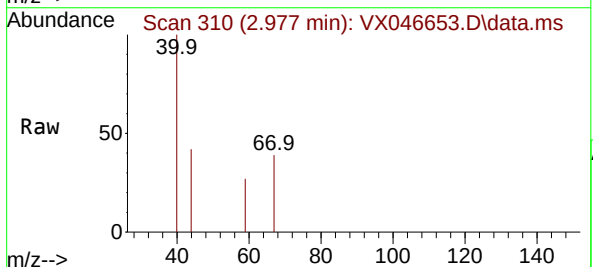


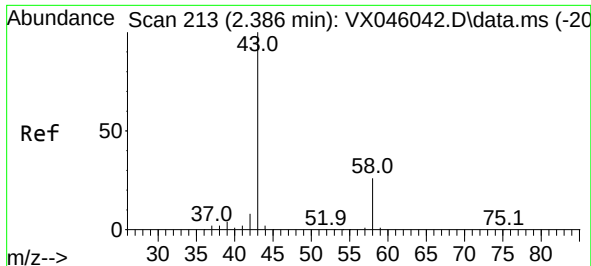
Tgt Ion:168 Resp: 147536
Ion Ratio Lower Upper
168 100
99 63.1 54.9 82.3



#11
Tert butyl alcohol
Concen: 0.268 ug/l
RT: 2.977 min Scan# 310
Delta R.T. 0.006 min
Lab File: VX046653.D
Acq: 11 Jun 2025 21:10

Tgt Ion: 59 Resp: 78
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

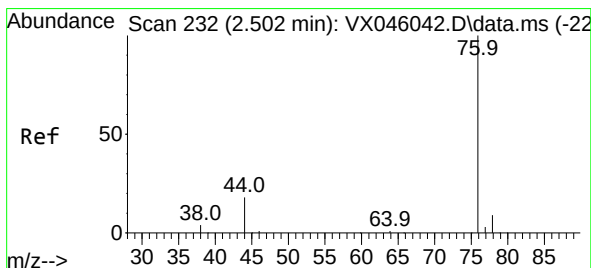
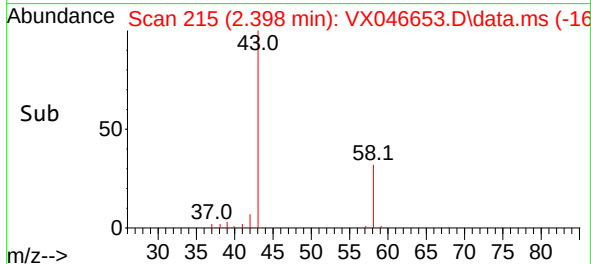
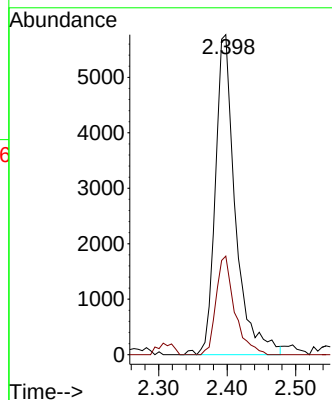
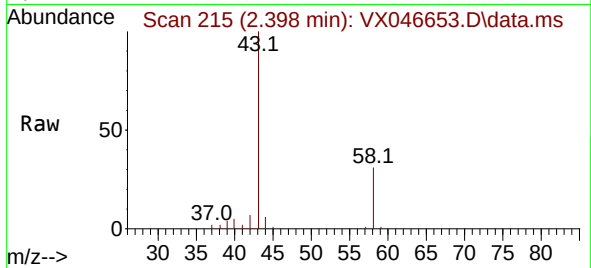




#16
Acetone
Concen: 15.734 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.006 min
Lab File: VX046653.D
Acq: 11 Jun 2025 21:10

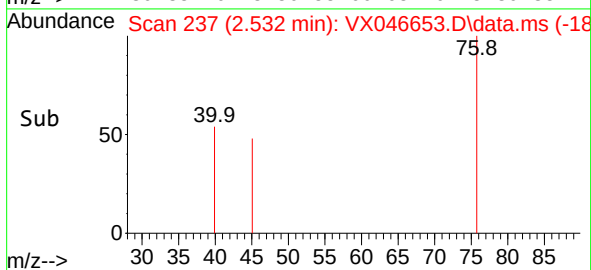
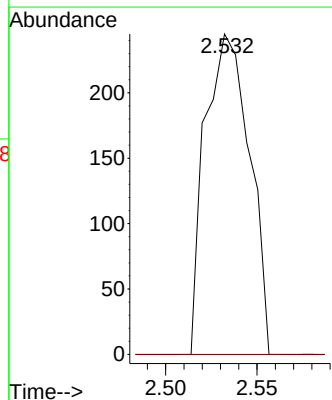
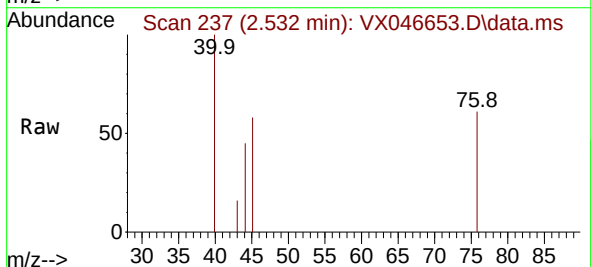
Instrument :
MSVOA_X
ClientSampleId :
HAM-CONCRETE

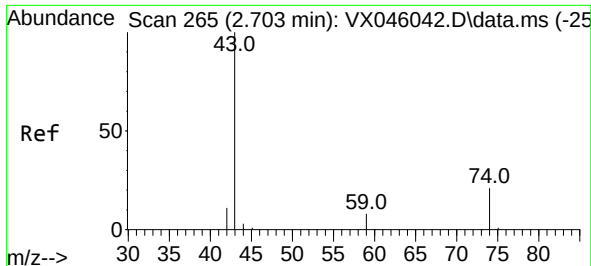
Tgt Ion: 43 Resp: 11697
Ion Ratio Lower Upper
43 100
58 30.8 21.2 31.8



#17
Carbon Disulfide
Concen: 0.314 ug/l
RT: 2.532 min Scan# 237
Delta R.T. 0.000 min
Lab File: VX046653.D
Acq: 11 Jun 2025 21:10

Tgt Ion: 76 Resp: 415
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#

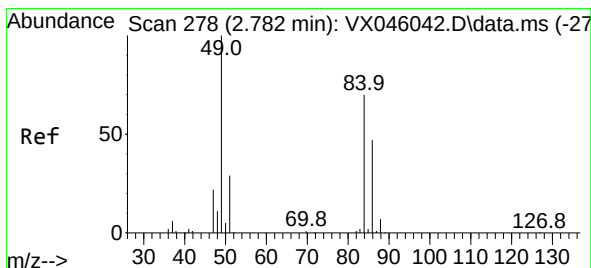
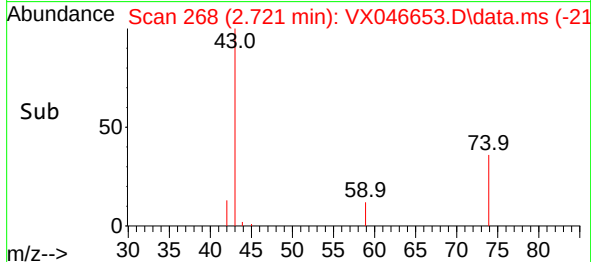
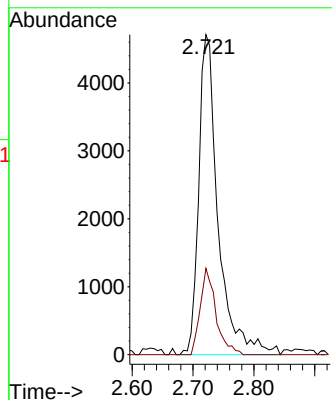
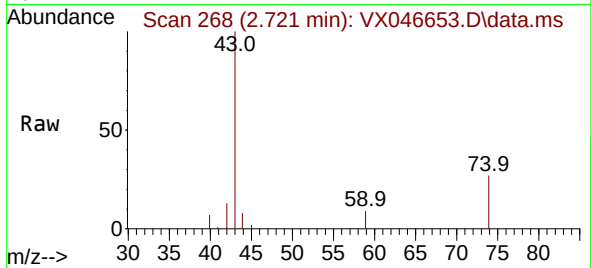




#18
Methyl Acetate
Concen: 3.324 ug/l
RT: 2.721 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX046653.D
Acq: 11 Jun 2025 21:10

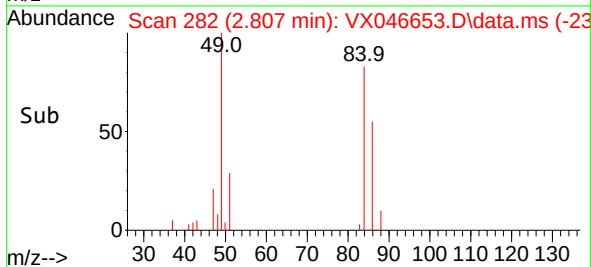
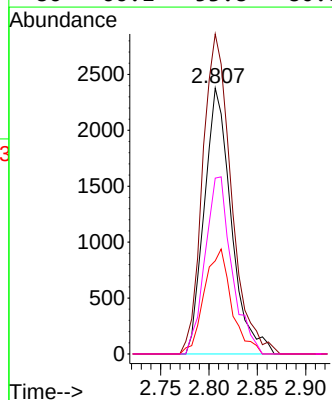
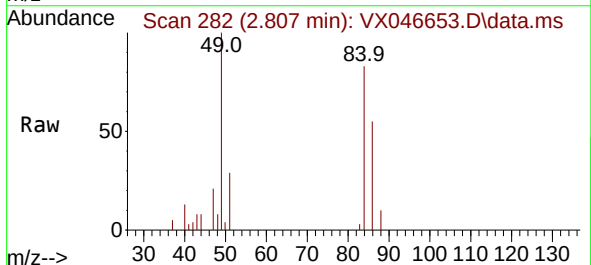
Instrument :
MSVOA_X
ClientSampleId :
HAM-CONCRETE

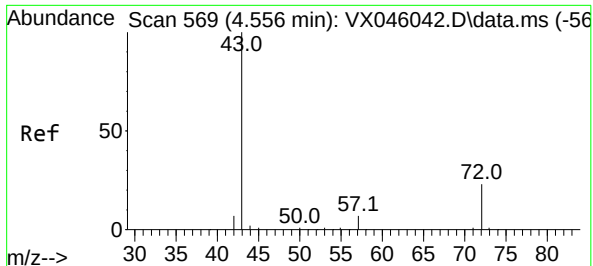
Tgt Ion: 43 Resp: 10392
Ion Ratio Lower Upper
43 100
74 22.0 16.7 25.1



#20
Methylene Chloride
Concen: 2.185 ug/l
RT: 2.807 min Scan# 282
Delta R.T. 0.001 min
Lab File: VX046653.D
Acq: 11 Jun 2025 21:10

Tgt Ion: 84 Resp: 4602
Ion Ratio Lower Upper
84 100
49 120.3 113.9 170.9
51 35.0 33.5 50.3
86 66.1 53.8 80.8





#25

2-Butanone

Concen: 0.868 ug/l

RT: 4.635 min Scan# 51

Delta R.T. 0.061 min

Lab File: VX046653.D

Acq: 11 Jun 2025 21:10

Instrument :

MSVOA_X

ClientSampleId :

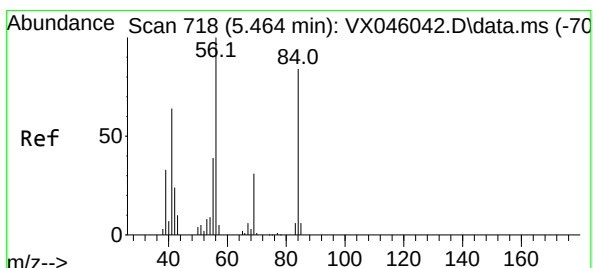
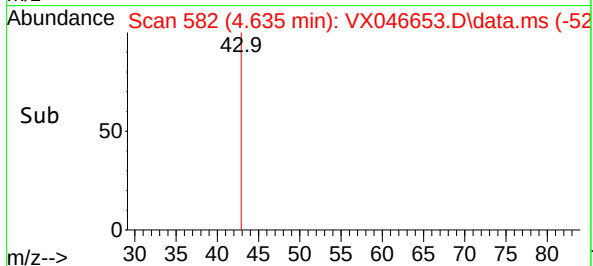
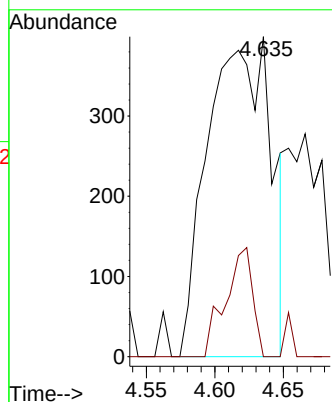
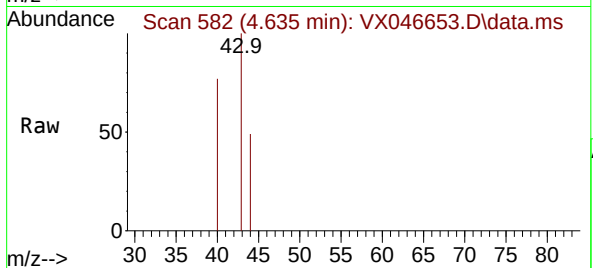
HAM-CONCRETE

Tgt Ion: 43 Resp: 1268

Ion Ratio Lower Upper

43 100

72 0.0 18.4 27.6#



#31

Cyclohexane

Concen: 1.071 ug/l

RT: 5.568 min Scan# 735

Delta R.T. 0.079 min

Lab File: VX046653.D

Acq: 11 Jun 2025 21:10

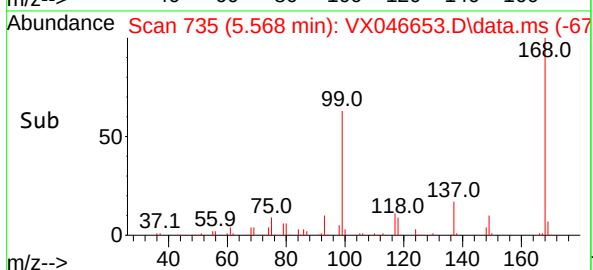
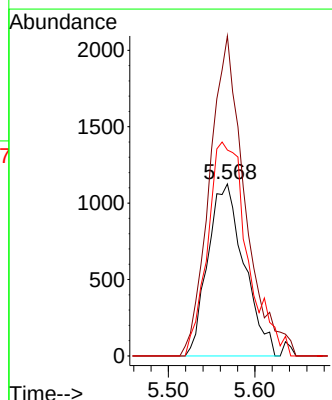
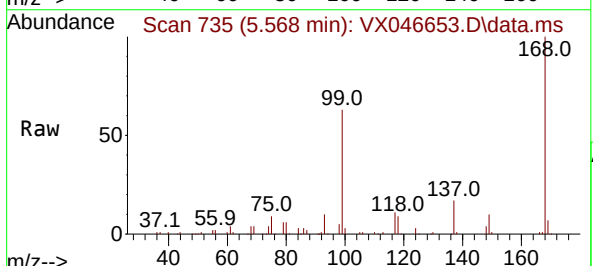
Tgt Ion: 56 Resp: 3269

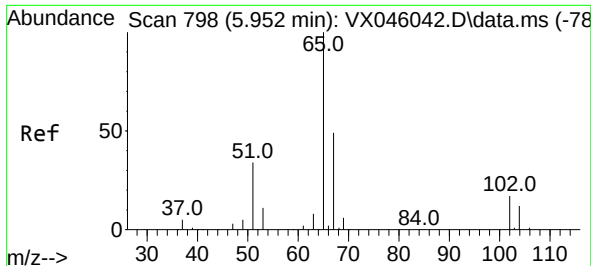
Ion Ratio Lower Upper

56 100

69 186.1 24.4 36.6#

84 119.7 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 40.279 ug/l

RT: 5.971 min Scan# 801

Delta R.T. 0.001 min

Lab File: VX046653.D

Acq: 11 Jun 2025 21:10

Instrument :

MSVOA_X

ClientSampleId :

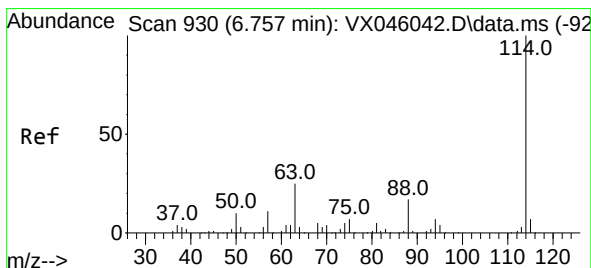
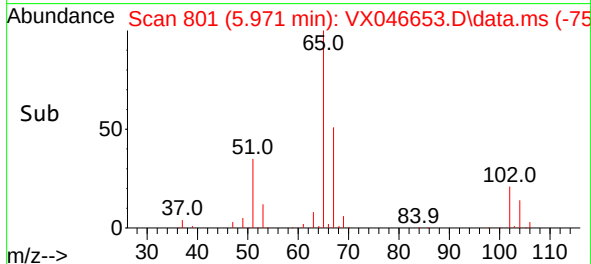
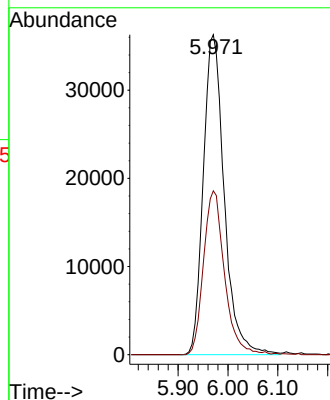
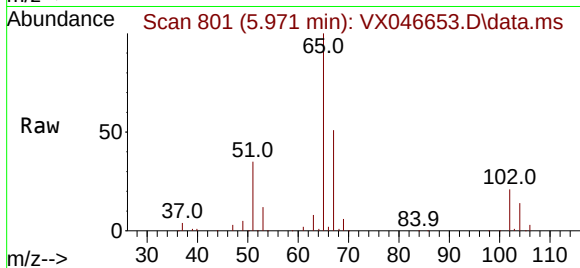
HAM-CONCRETE

Tgt Ion: 65 Resp: 105725

Ion Ratio Lower Upper

65 100

67 51.3 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.775 min Scan# 933

Delta R.T. 0.000 min

Lab File: VX046653.D

Acq: 11 Jun 2025 21:10

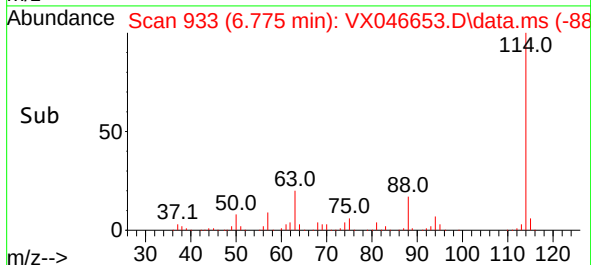
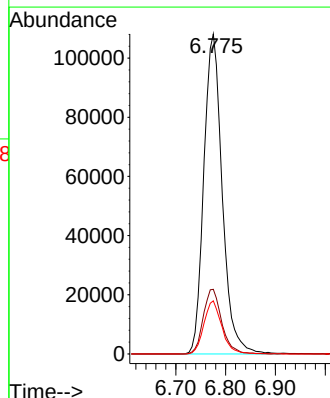
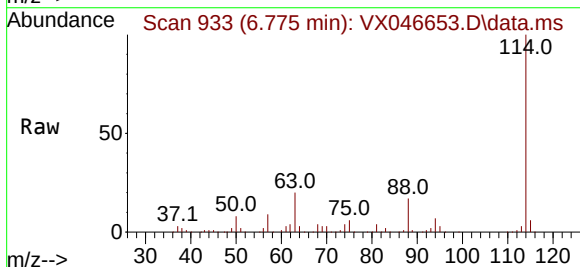
Tgt Ion: 114 Resp: 277539

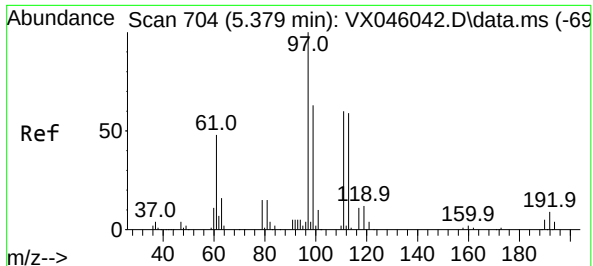
Ion Ratio Lower Upper

114 100

63 20.2 0.0 49.2

88 16.6 0.0 33.6

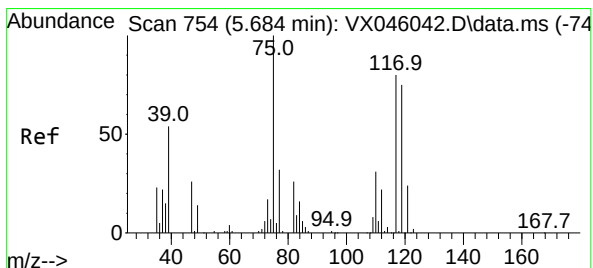
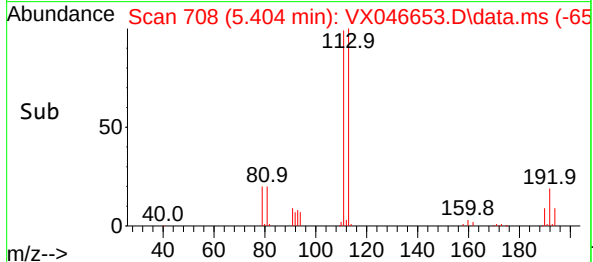
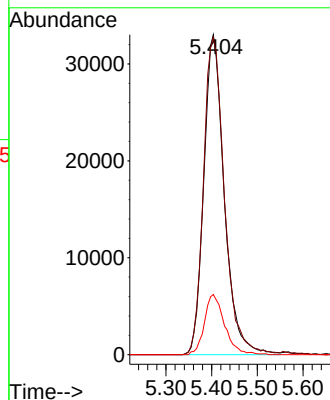
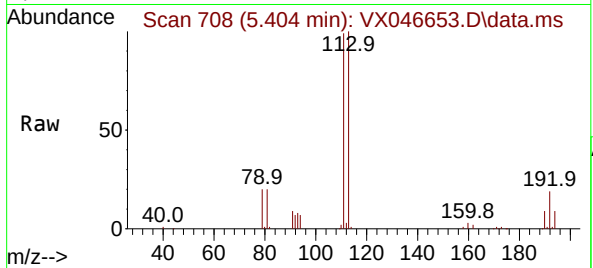




#35
Dibromofluoromethane
Concen: 50.382 ug/l
RT: 5.404 min Scan# 704
Delta R.T. 0.001 min
Lab File: VX046653.D
Acq: 11 Jun 2025 21:10

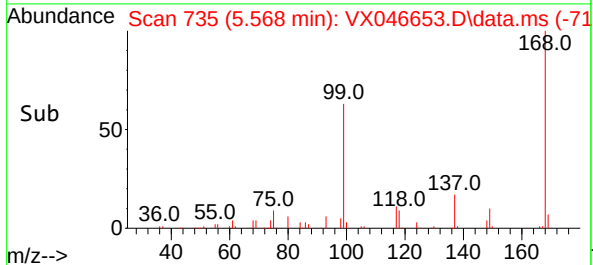
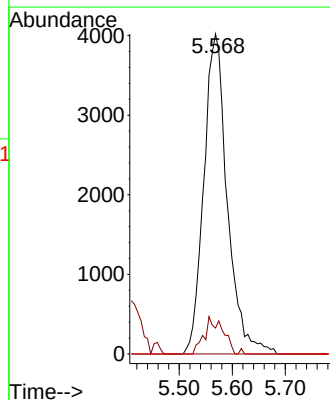
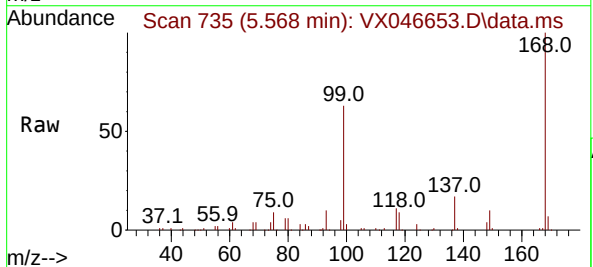
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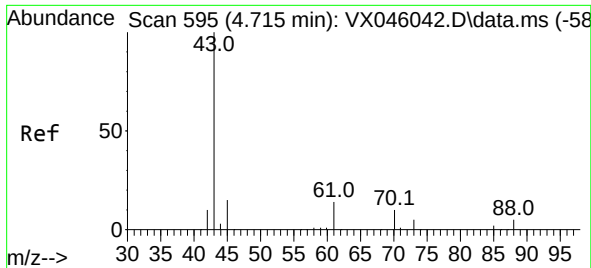
Tgt Ion:113 Resp: 102831
Ion Ratio Lower Upper
113 100
111 101.8 83.1 124.7
192 18.6 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.240 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.146 min
Lab File: VX046653.D
Acq: 11 Jun 2025 21:10

Tgt Ion: 75 Resp: 12360
Ion Ratio Lower Upper
75 100
110 9.2 16.3 48.9#
77 0.0 24.3 36.5#

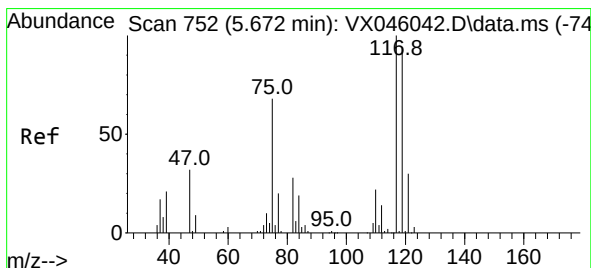
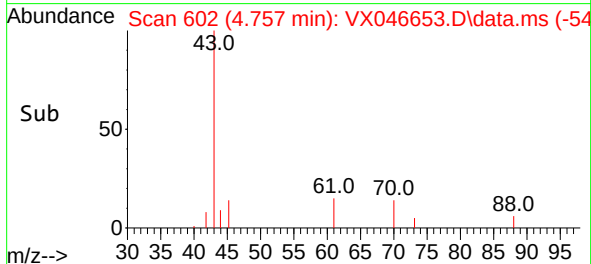
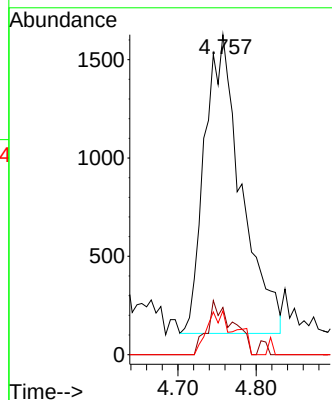
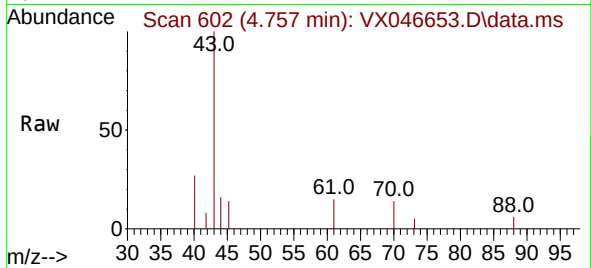




#37
Ethyl Acetate
Concen: 1.741 ug/l
RT: 4.757 min Scan# 602
Delta R.T. 0.024 min
Lab File: VX046653.D
Acq: 11 Jun 2025 21:10

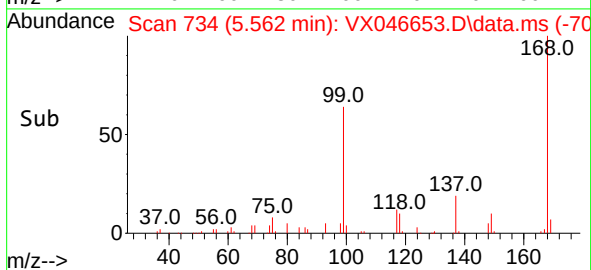
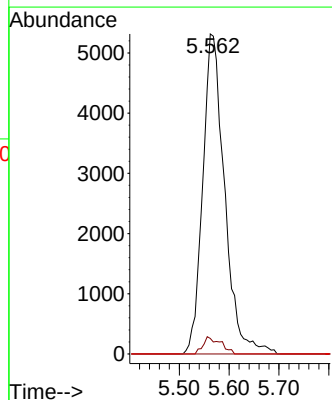
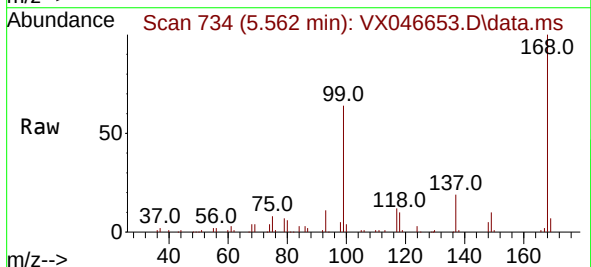
Instrument :
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HAM-CONCRETE

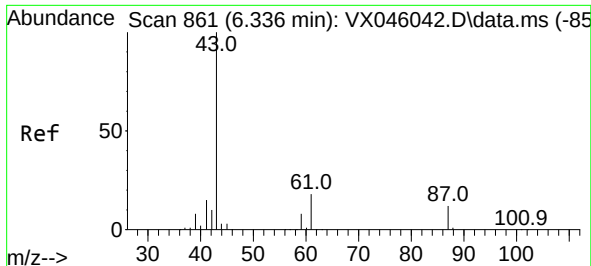
Tgt Ion:	43	Resp:	4954
Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.3	15.5
70	8.3	7.9	11.9



#38
Carbon Tetrachloride
Concen: 4.958 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.134 min
Lab File: VX046653.D
Acq: 11 Jun 2025 21:10

Tgt Ion:	117	Resp:	16190
Ion	Ratio	Lower	Upper
117	100		
119	4.9	75.2	112.8#
121	0.0	24.2	36.4#

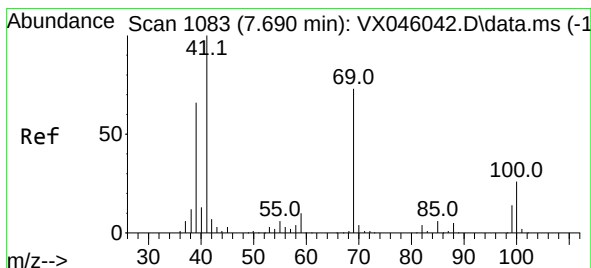
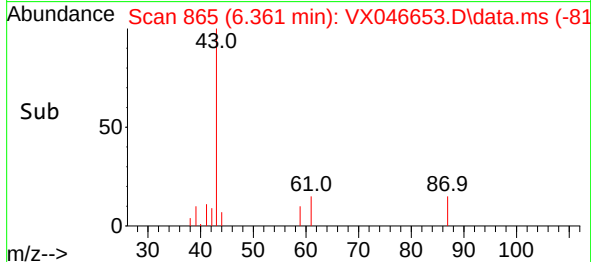
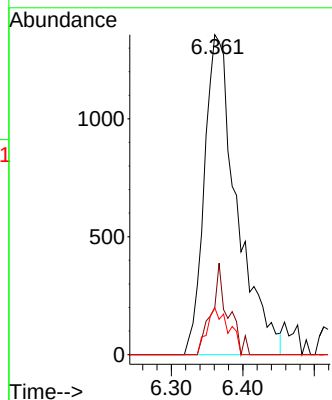
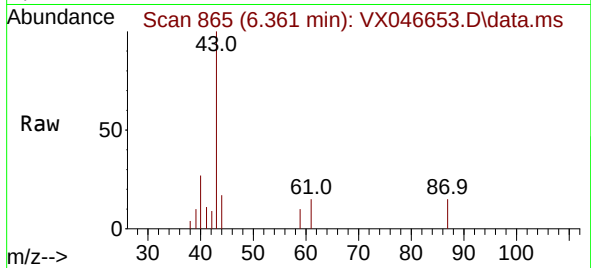




#43
Isopropyl Acetate
Concen: 0.861 ug/l
RT: 6.361 min Scan# 865
Delta R.T. 0.007 min
Lab File: VX046653.D
Acq: 11 Jun 2025 21:10

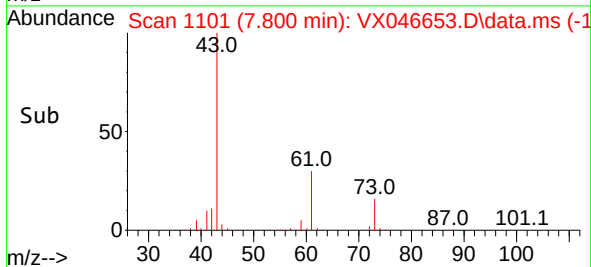
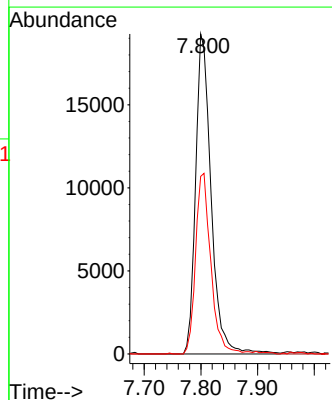
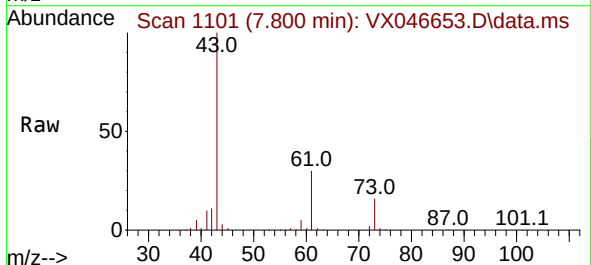
Instrument :
MSVOA_X
ClientSampleId :
HAM-CONCRETE

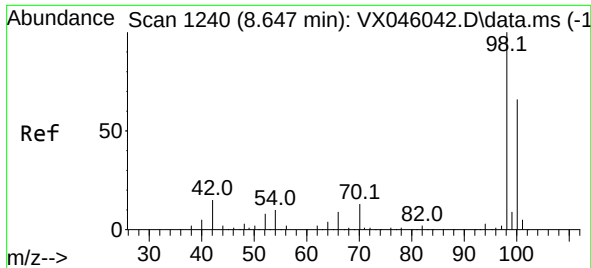
Tgt Ion: 43 Resp: 4271
Ion Ratio Lower Upper
43 100
61 14.6 14.3 21.5
87 9.9 9.5 14.3



#48
Methyl methacrylate
Concen: 14.330 ug/l
RT: 7.800 min Scan# 1101
Delta R.T. 0.098 min
Lab File: VX046653.D
Acq: 11 Jun 2025 21:10

Tgt Ion: 41 Resp: 36573
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 55.6 51.7 77.5

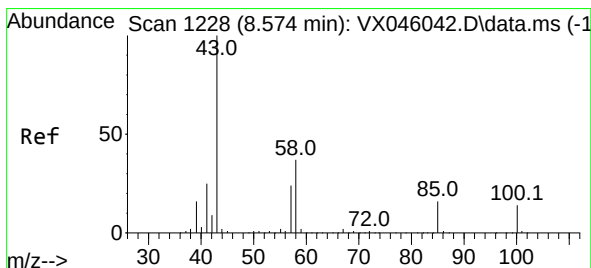
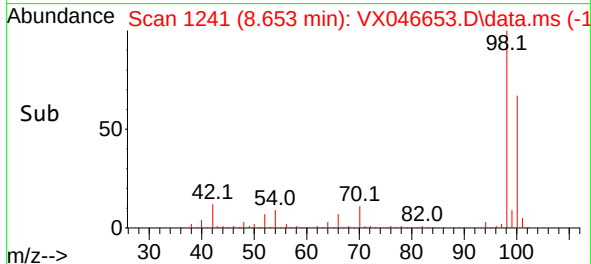
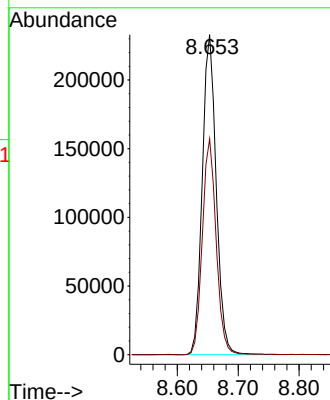
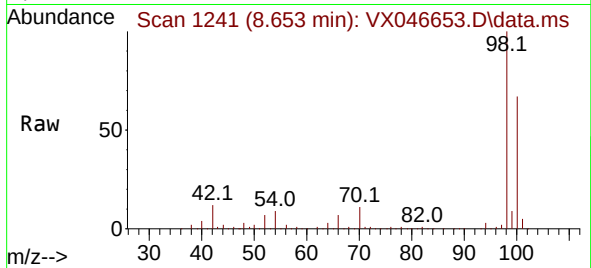




#50
Toluene-d8
Concen: 55.018 ug/l
RT: 8.653 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX046653.D
Acq: 11 Jun 2025 21:10

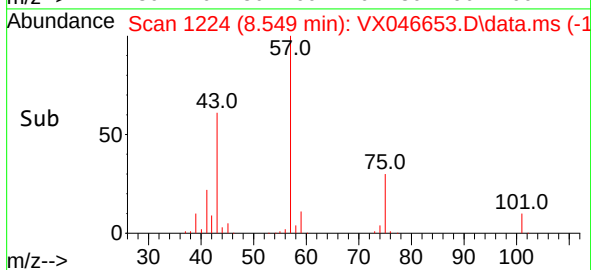
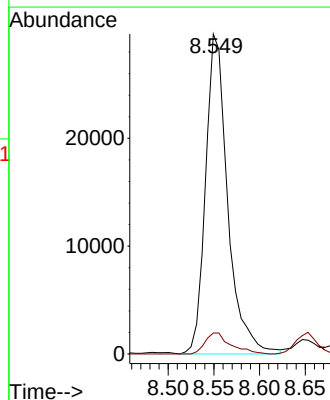
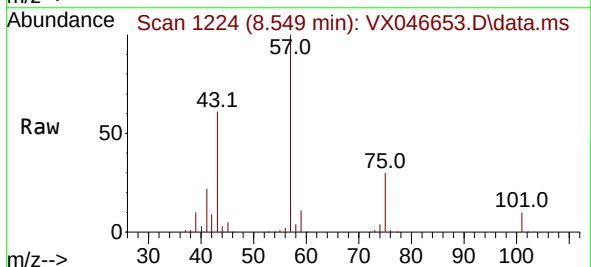
Instrument :
MSVOA_X
ClientSampleId :
HAM-CONCRETE

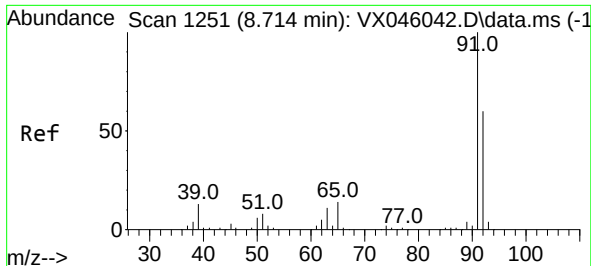
Tgt Ion: 98 Resp: 370213
Ion Ratio Lower Upper
98 100
100 66.9 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 15.859 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX046653.D
Acq: 11 Jun 2025 21:10

Tgt Ion: 43 Resp: 49993
Ion Ratio Lower Upper
43 100
58 7.5 28.9 43.3#





#52

Toluene

Concen: 0.214 ug/l

RT: 8.732 min Scan# 11

Delta R.T. 0.012 min

Lab File: VX046653.D

Acq: 11 Jun 2025 21:10

Instrument :

MSVOA_X

ClientSampleId :

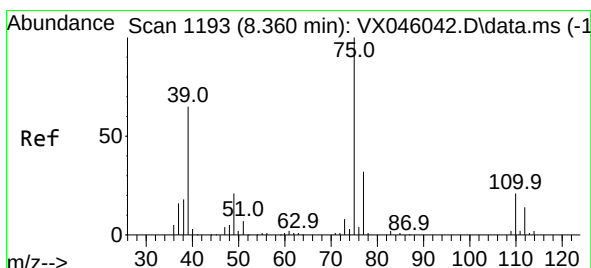
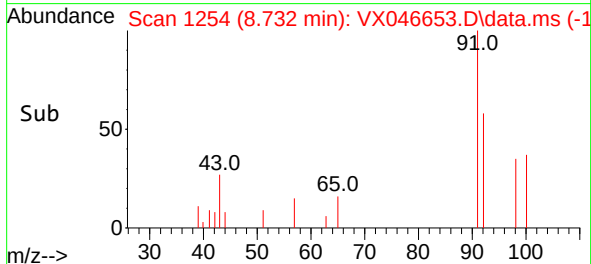
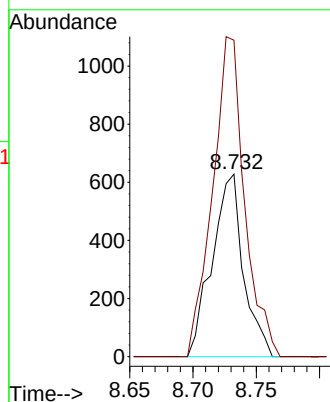
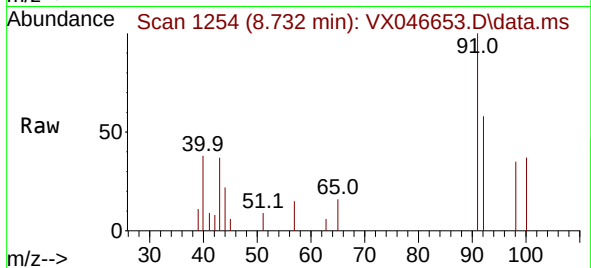
HAM-CONCRETE

Tgt Ion: 92 Resp: 1080

Ion Ratio Lower Upper

92 100

91 179.4 136.6 205.0



#54

cis-1,3-Dichloropropene

Concen: 7.197 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.177 min

Lab File: VX046653.D

Acq: 11 Jun 2025 21:10

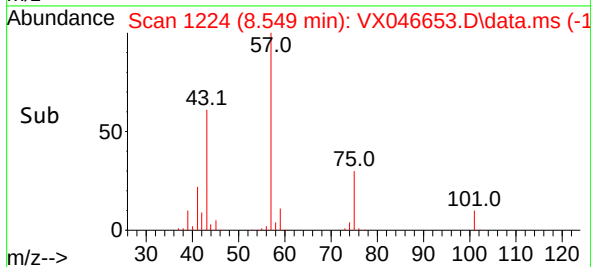
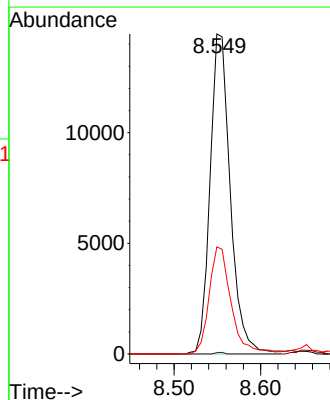
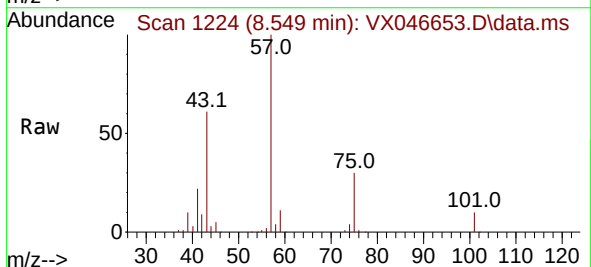
Tgt Ion: 75 Resp: 23512

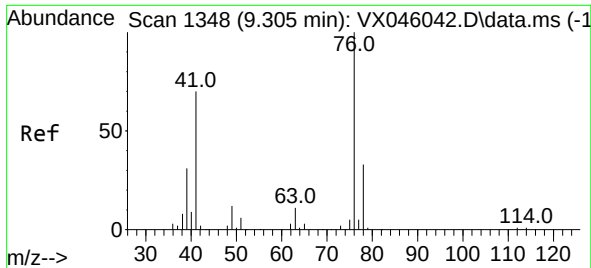
Ion Ratio Lower Upper

75 100

77 0.4 25.4 38.0#

39 33.4 52.2 78.4#





#57

1,3-Dichloropropane

Concen: 0.469 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX046653.D

Acq: 11 Jun 2025 21:10

Instrument :

MSVOA_X

ClientSampleId :

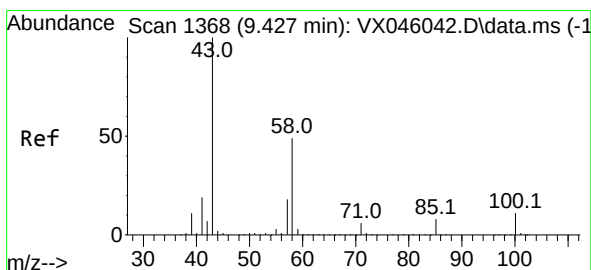
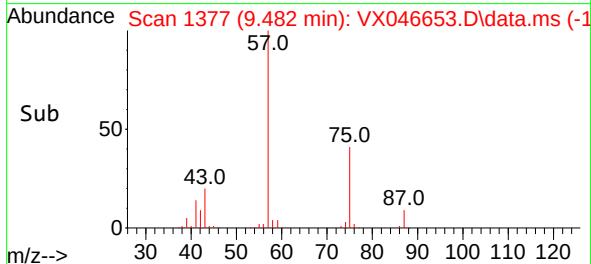
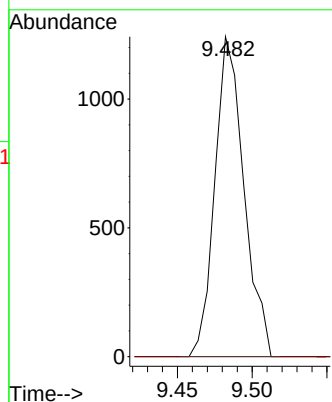
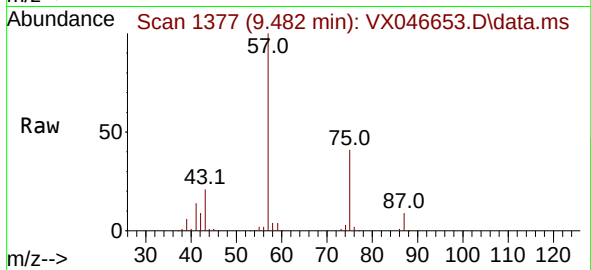
HAM-CONCRETE

Tgt Ion: 76 Resp: 1679

Ion Ratio Lower Upper

76 100

78 0.0 26.3 39.5#



#59

2-Hexanone

Concen: 10.575 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX046653.D

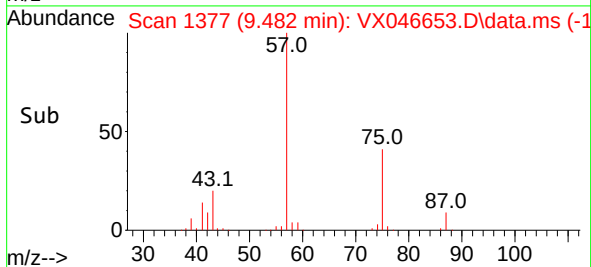
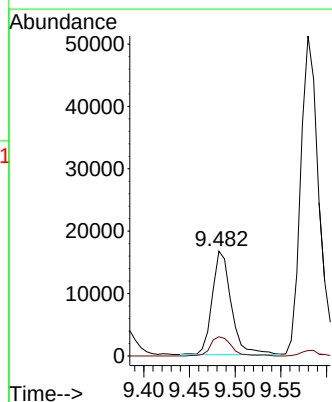
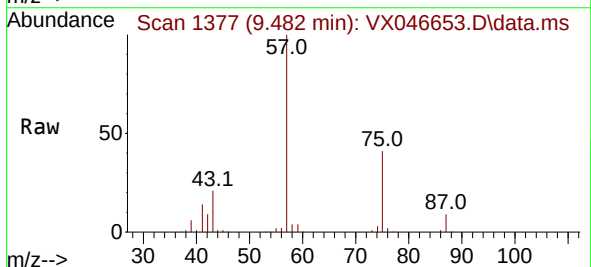
Acq: 11 Jun 2025 21:10

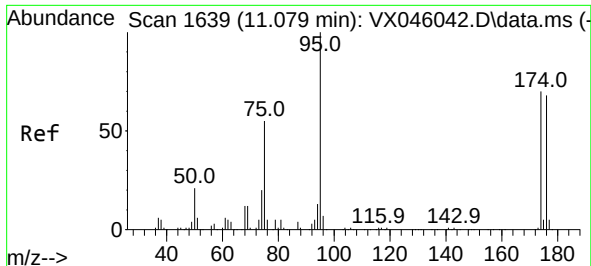
Tgt Ion: 43 Resp: 23908

Ion Ratio Lower Upper

43 100

58 20.6 24.9 74.6#

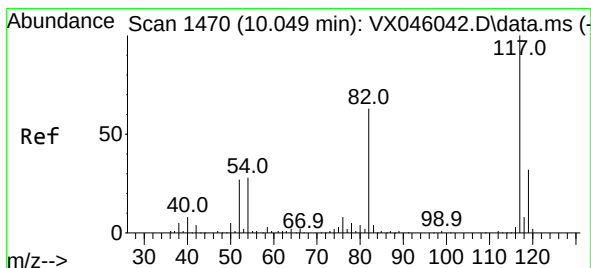
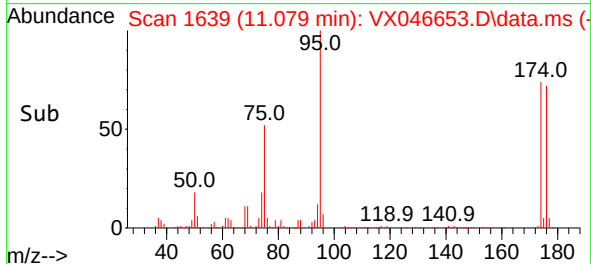
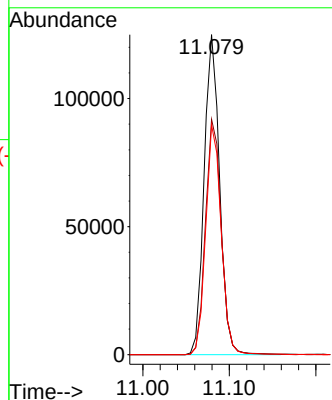
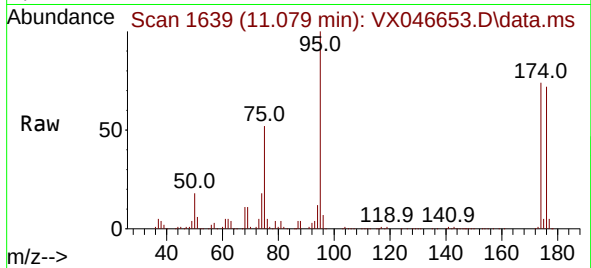




#62
4-Bromofluorobenzene
Concen: 55.761 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046653.D
Acq: 11 Jun 2025 21:10

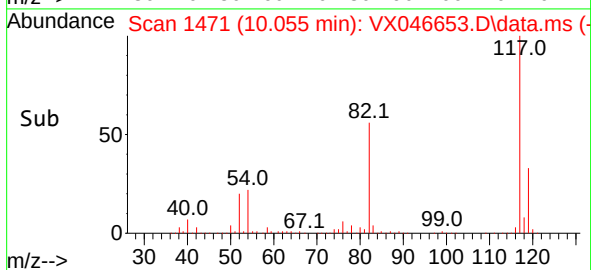
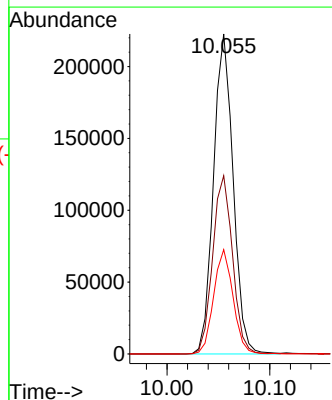
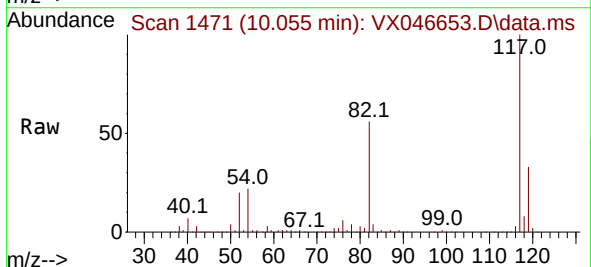
Instrument :
MSVOA_X
ClientSampleId :
HAM-CONCRETE

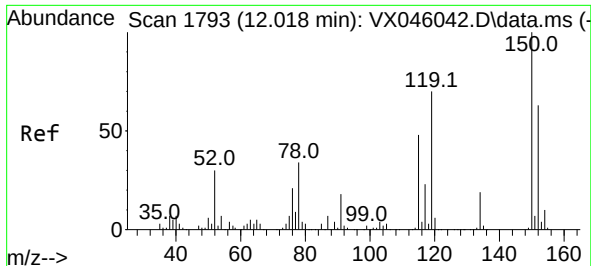
Tgt Ion: 95 Resp: 155244
Ion Ratio Lower Upper
95 100
174 75.1 0.0 135.8
176 71.9 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX046653.D
Acq: 11 Jun 2025 21:10

Tgt Ion: 117 Resp: 294353
Ion Ratio Lower Upper
117 100
82 55.7 50.6 76.0
119 32.6 25.8 38.6

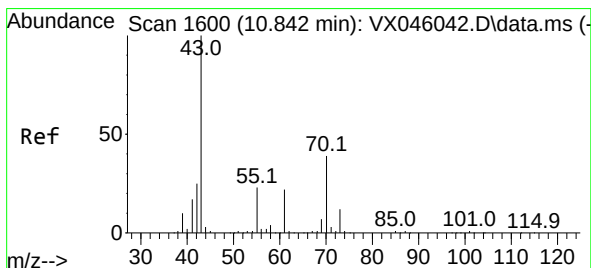
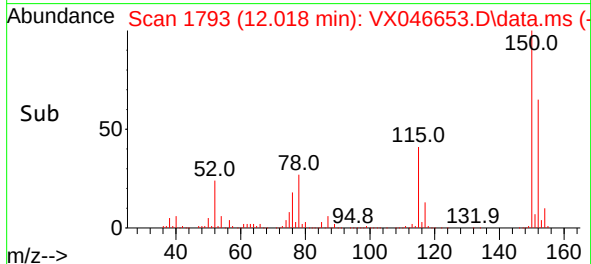
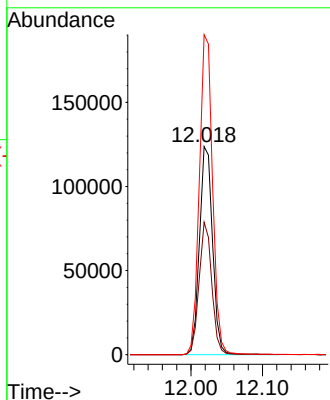
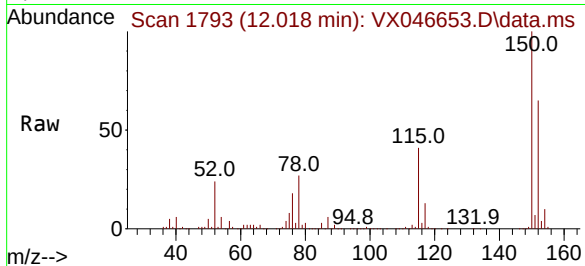




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046653.D
Acq: 11 Jun 2025 21:10

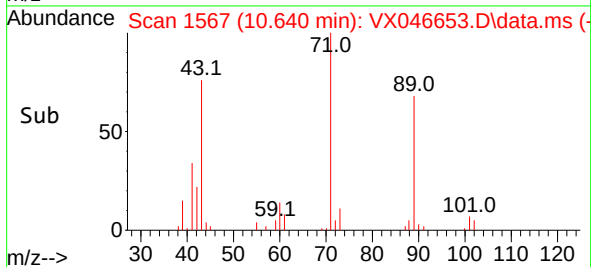
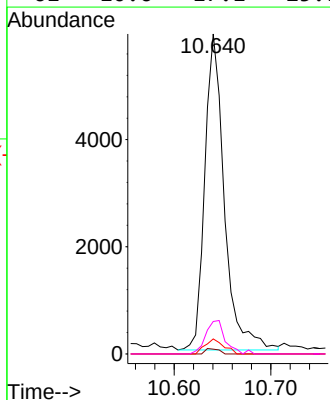
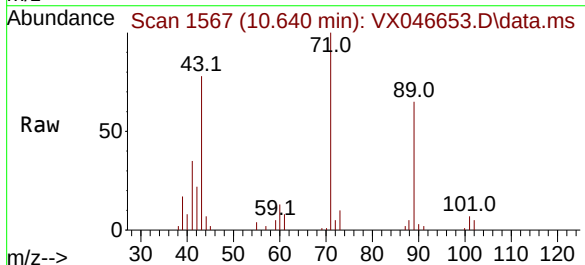
Instrument :
MSVOA_X
ClientSampleId :
HAM-CONCRETE

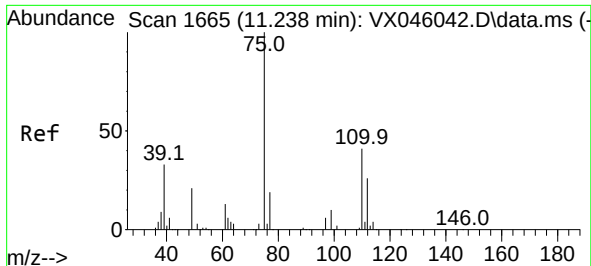
Tgt Ion:152 Resp: 157601
Ion Ratio Lower Upper
152 100
115 61.7 46.9 140.7
150 154.8 0.0 351.0



#74
N-ethyl acetate
Concen: 1.524 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX046653.D
Acq: 11 Jun 2025 21:10

Tgt Ion: 43 Resp: 8313
Ion Ratio Lower Upper
43 100
70 1.2 30.9 46.3#
55 4.5 18.7 28.1#
61 10.6 17.1 25.7#

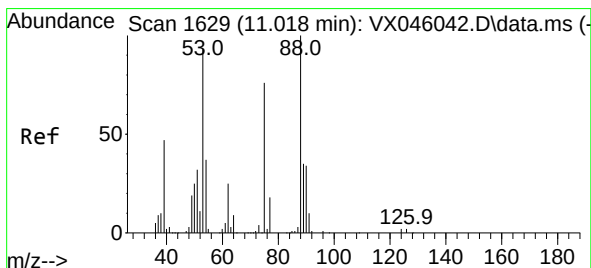
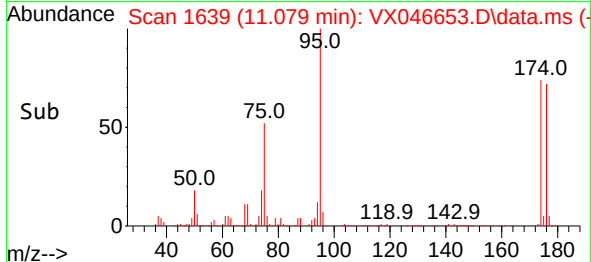
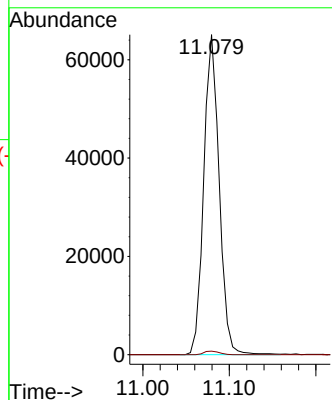
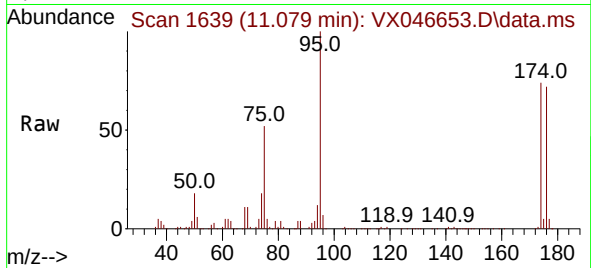




#76
1,2,3-Trichloropropane
Concen: 24.131 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046653.D
Acq: 11 Jun 2025 21:10

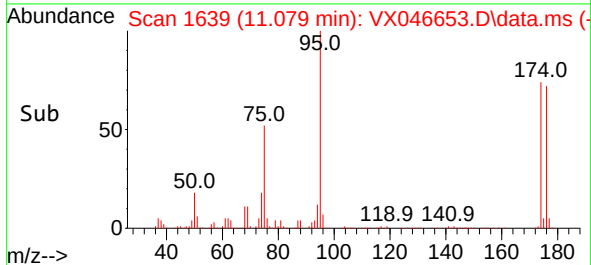
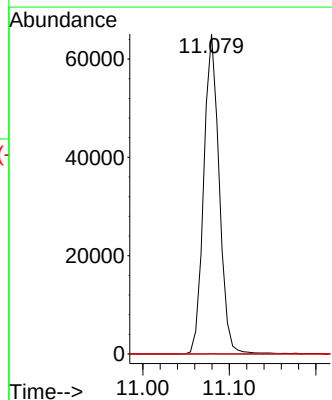
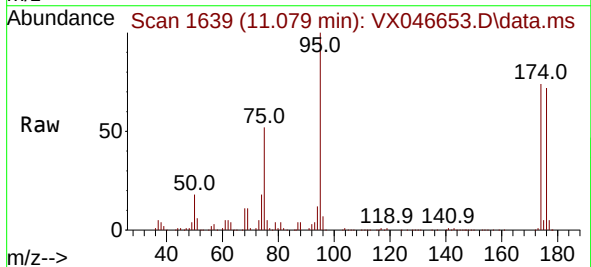
Instrument :
MSVOA_X
ClientSampleId :
HAM-CONCRETE

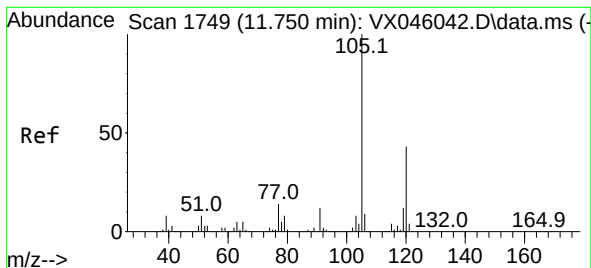
Tgt Ion: 75 Resp: 80554
Ion Ratio Lower Upper
75 100
77 1.1 20.5 61.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.609 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046653.D
Acq: 11 Jun 2025 21:10

Tgt Ion: 75 Resp: 80554
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#





#84

1,2,4-Trimethylbenzene

Concen: 0.345 ug/l

RT: 11.756 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX046653.D

Acq: 11 Jun 2025 21:10

Instrument :

MSVOA_X

ClientSampleId :

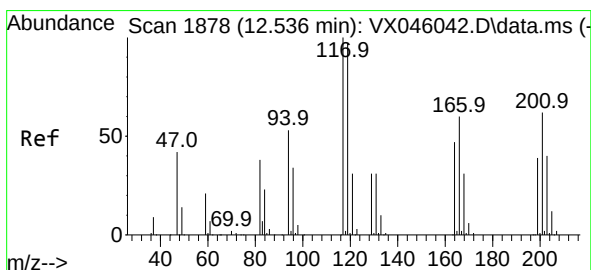
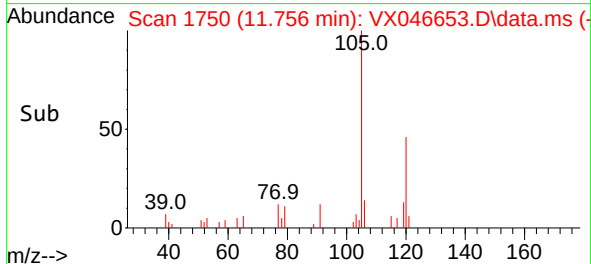
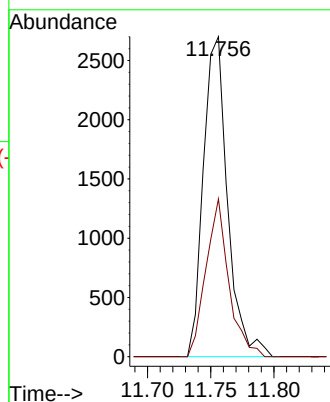
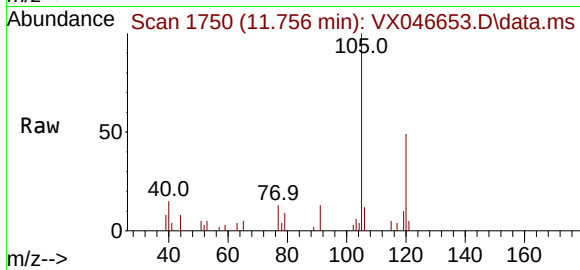
HAM-CONCRETE

Tgt Ion:105 Resp: 3598

Ion Ratio Lower Upper

105 100

120 46.6 21.2 63.6



#90

Hexachloroethane

Concen: 0.216 ug/l

RT: 12.524 min Scan# 1876

Delta R.T. -0.012 min

Lab File: VX046653.D

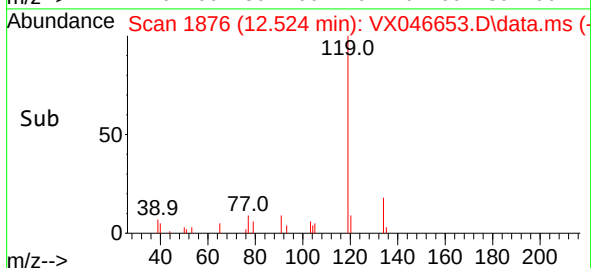
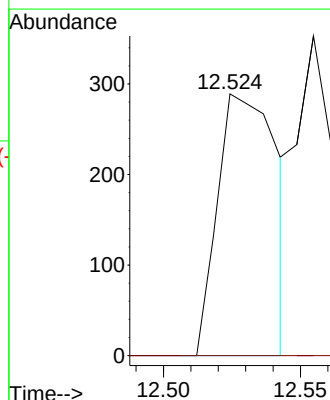
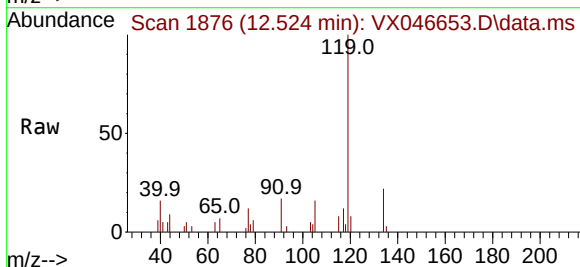
Acq: 11 Jun 2025 21:10

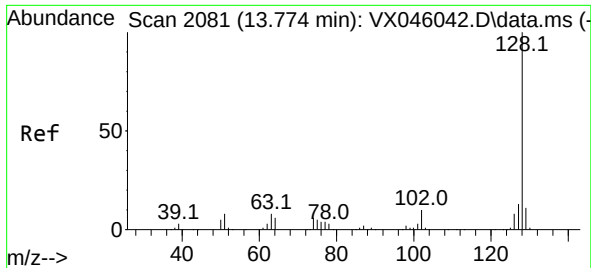
Tgt Ion:117 Resp: 433

Ion Ratio Lower Upper

117 100

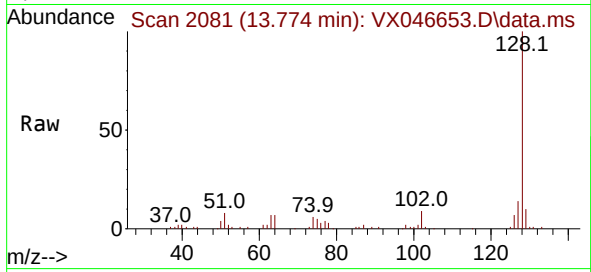
201 0.0 31.6 94.7#





#95
Naphthalene
Concen: 1.926 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX046653.D
Acq: 11 Jun 2025 21:10

Instrument :
MSVOA_X
ClientSampleId :
HAM-CONCRETE



Tgt Ion:	128	Resp:	22461
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	12.1	8.6	13.0

