

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041825\
 Data File : VX045852.D
 Acq On : 18 Apr 2025 13:00
 Operator : JC/MD
 Sample : Q1826-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CONCRETE-PILE

Quant Time: Apr 18 23:37:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

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

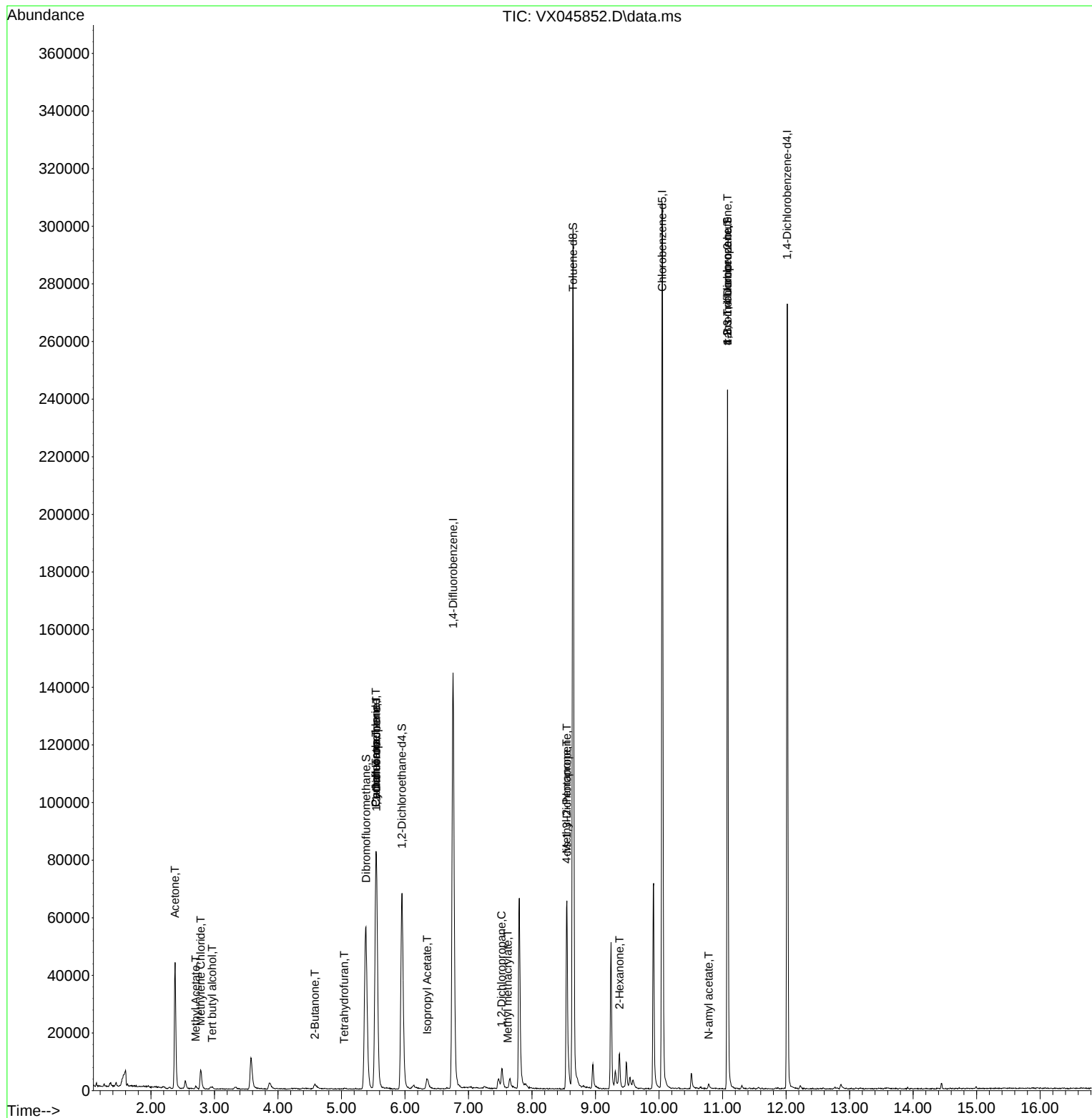
Internal Standards						
1) Pentafluorobenzene	5.544	168	71542	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	139085	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	125467	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51141	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	68741	52.542	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.080%	
35) Dibromofluoromethane	5.385	113	49193	49.851	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.700%	
50) Toluene-d8	8.647	98	172919	50.204	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.400%	
62) 4-Bromofluorobenzene	11.079	95	62762	50.025	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 100.060%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.965	59	784	4.459	ug/l #	72
16) Acetone	2.380	43	46768	87.054	ug/l	99
18) Methyl Acetate	2.703	43	1323	1.070	ug/l #	86
20) Methylene Chloride	2.782	84	3398	3.379	ug/l	91
25) 2-Butanone	4.580	43	3760	4.781	ug/l	99
29) Tetrahydrofuran	5.044	42	176	0.345	ug/l #	35
31) Cyclohexane	5.544	56	2241	1.396	ug/l #	37
36) 1,1-Dichloropropene	5.550	75	6733	5.053	ug/l #	48
38) Carbon Tetrachloride	5.544	117	8249	5.729	ug/l #	15
43) Isopropyl Acetate	6.348	43	5722	2.248	ug/l #	90
45) 1,2-Dichloropropane	7.519	63	209	0.206	ug/l #	1
48) Methyl methacrylate	7.617	41	689	0.524	ug/l #	15
51) 4-Methyl-2-Pentanone	8.543	43	28002	16.598	ug/l #	49
54) cis-1,3-Dichloropropene	8.549	75	10246	7.005	ug/l #	74
59) 2-Hexanone	9.378	43	8655	6.928	ug/l #	28
74) N-amyl acetate	10.781	43	1707	0.871	ug/l #	47
76) 1,2,3-Trichloropropane	11.079	75	36303	29.102	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	36303	98.768	ug/l #	1

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

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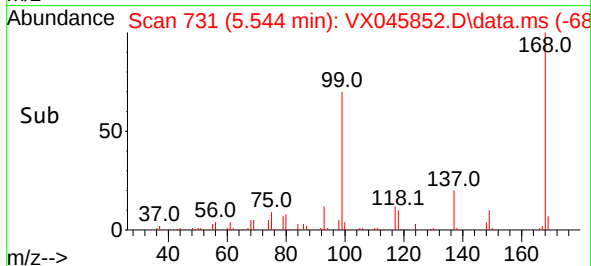
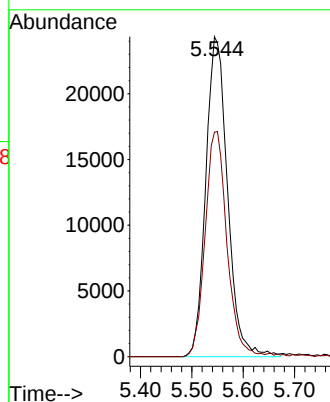
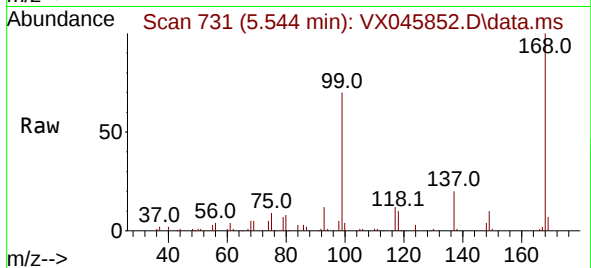




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045852.D
Acq: 18 Apr 2025 13:00

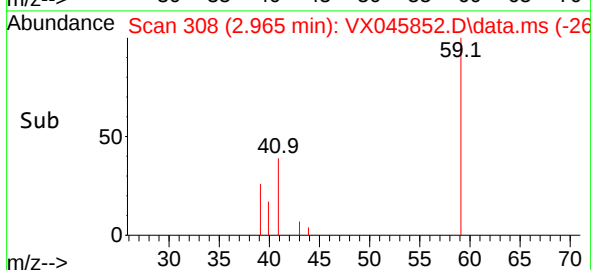
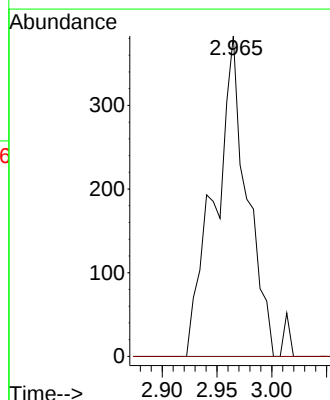
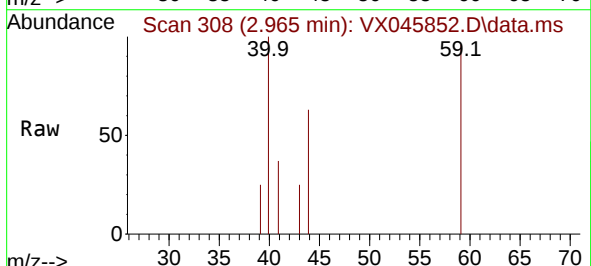
Instrument :
MSVOA_X
ClientSampleId :
CONCRETE-PILE

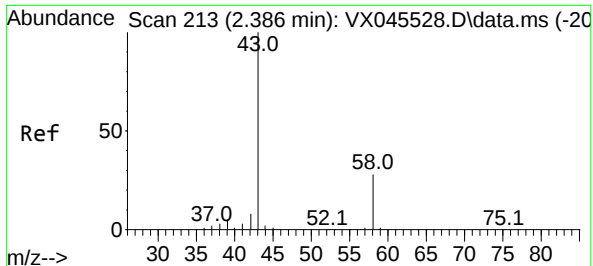
Tgt Ion:168 Resp: 71542
Ion Ratio Lower Upper
168 100
99 70.2 52.3 78.5



#11
Tert butyl alcohol
Concen: 4.459 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX045852.D
Acq: 18 Apr 2025 13:00

Tgt Ion: 59 Resp: 784
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

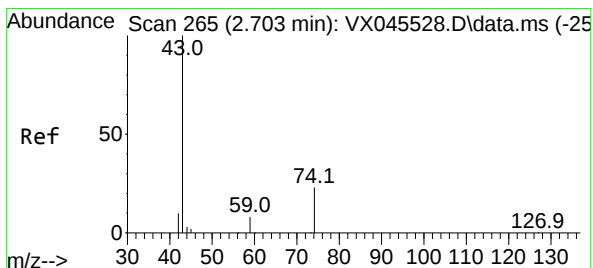
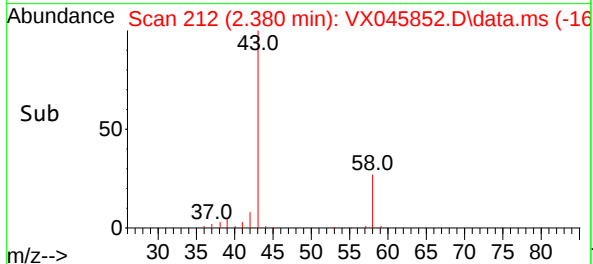
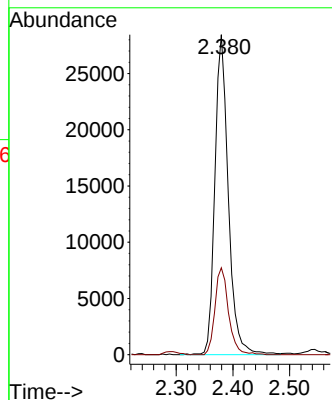
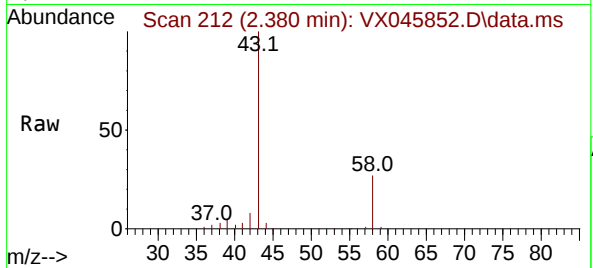




#16
Acetone
Concen: 87.054 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX045852.D
Acq: 18 Apr 2025 13:00

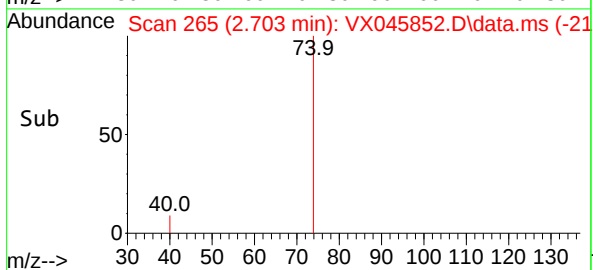
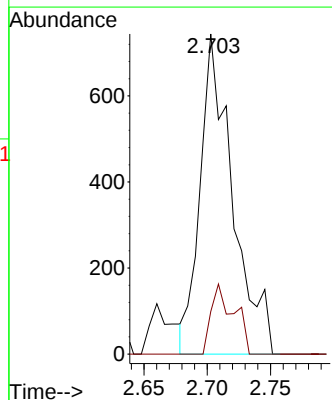
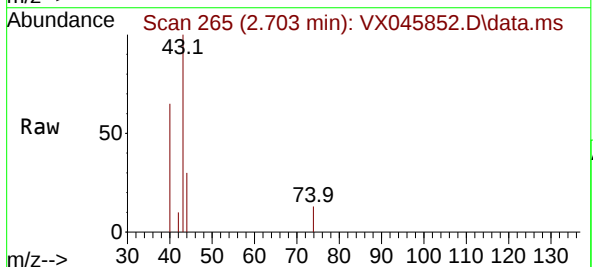
Instrument :
MSVOA_X
ClientSampleId :
CONCRETE-PILE

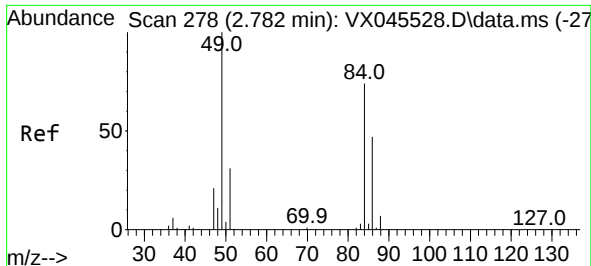
Tgt Ion: 43 Resp: 46768
Ion Ratio Lower Upper
43 100
58 27.1 22.3 33.5



#18
Methyl Acetate
Concen: 1.070 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045852.D
Acq: 18 Apr 2025 13:00

Tgt Ion: 43 Resp: 1323
Ion Ratio Lower Upper
43 100
74 15.4 17.5 26.3#

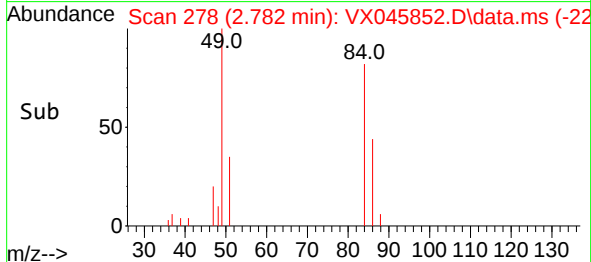
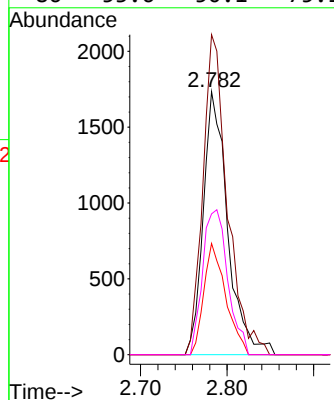
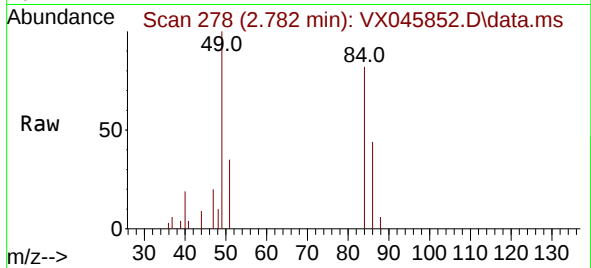




#20
Methylene Chloride
Concen: 3.379 ug/l
RT: 2.782 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX045852.D
Acq: 18 Apr 2025 13:00

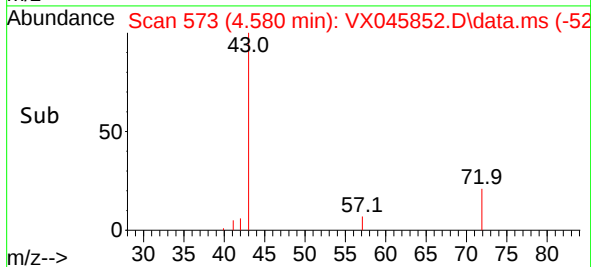
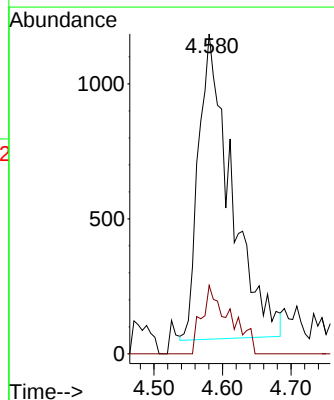
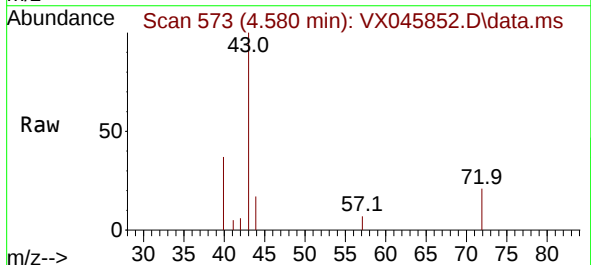
Instrument :
MSVOA_X
ClientSampleId :
CONCRETE-PILE

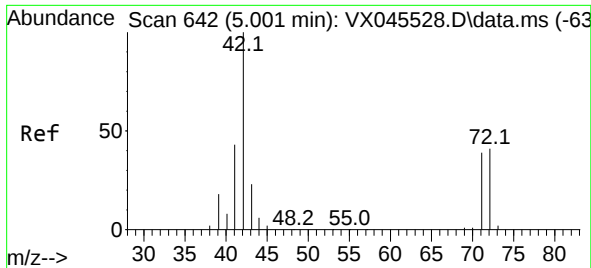
Tgt Ion: 84	Resp:	3398	
Ion	Ratio	Lower	Upper
84	100		
49	121.7	107.5	161.3
51	42.3	33.0	49.6
86	53.6	50.1	75.1



#25
2-Butanone
Concen: 4.781 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.024 min
Lab File: VX045852.D
Acq: 18 Apr 2025 13:00

Tgt Ion: 43	Resp:	3760	
Ion	Ratio	Lower	Upper
43	100		
72	22.6	18.6	28.0





#29

Tetrahydrofuran

Concen: 0.345 ug/l

RT: 5.044 min Scan# 642

Delta R.T. 0.043 min

Lab File: VX045852.D

Acq: 18 Apr 2025 13:00

Instrument :

MSVOA_X

ClientSampleId :

CONCRETE-PILE

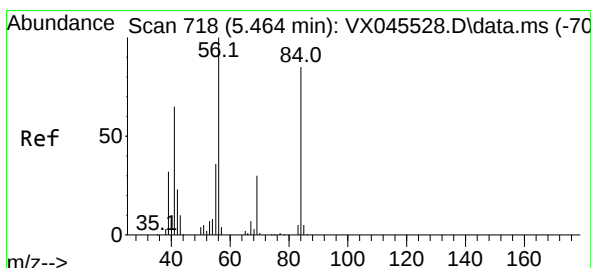
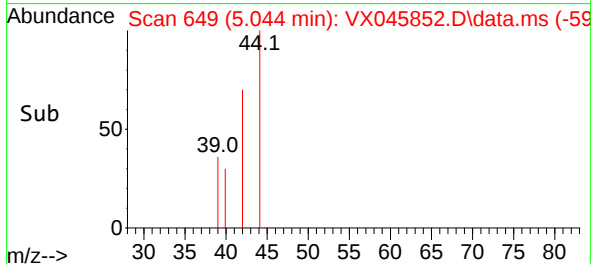
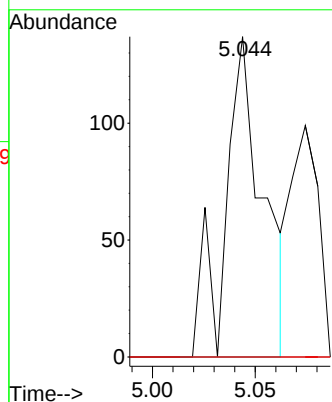
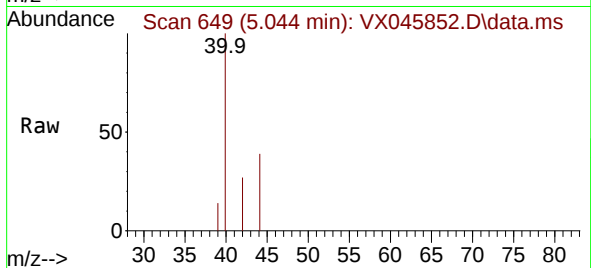
Tgt Ion: 42 Resp: 176

Ion Ratio Lower Upper

42 100

72 0.0 33.4 50.0#

71 0.0 31.4 47.0#



#31

Cyclohexane

Concen: 1.396 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX045852.D

Acq: 18 Apr 2025 13:00

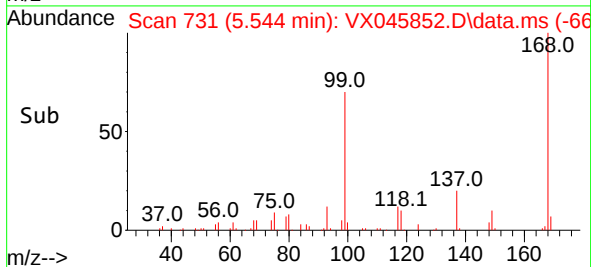
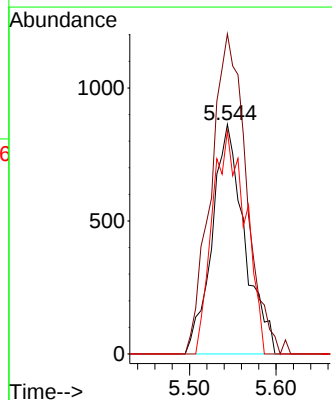
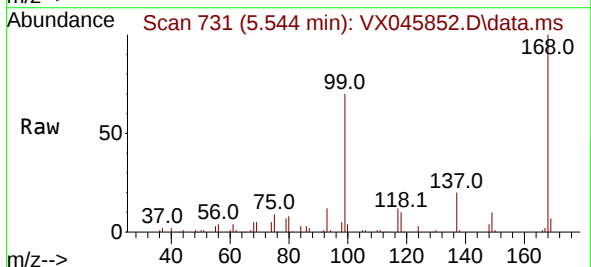
Tgt Ion: 56 Resp: 2241

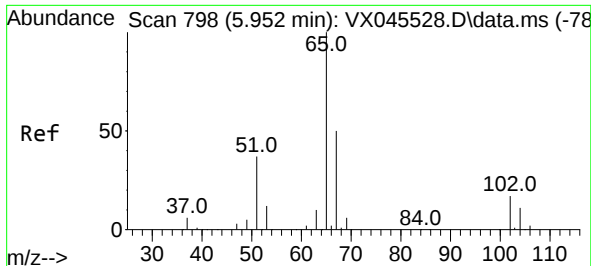
Ion Ratio Lower Upper

56 100

69 139.4 23.6 35.4#

84 97.1 67.7 101.5





#33

1,2-Dichloroethane-d4

Concen: 52.542 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX045852.D

Acq: 18 Apr 2025 13:00

Instrument :

MSVOA_X

ClientSampleId :

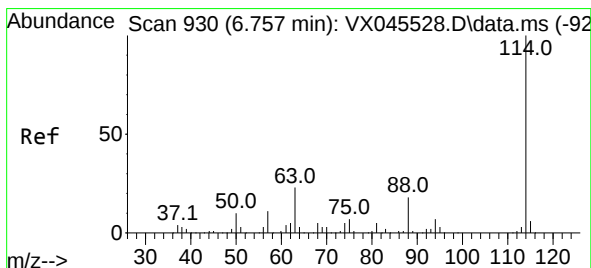
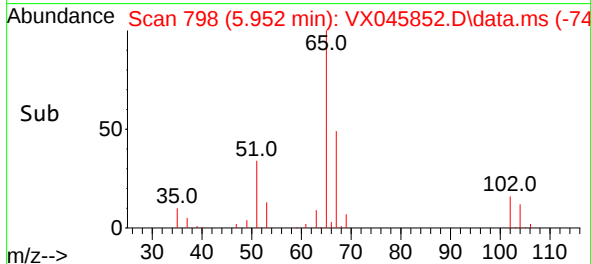
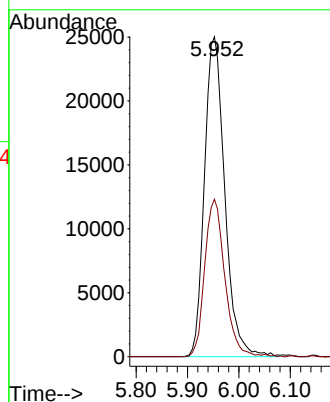
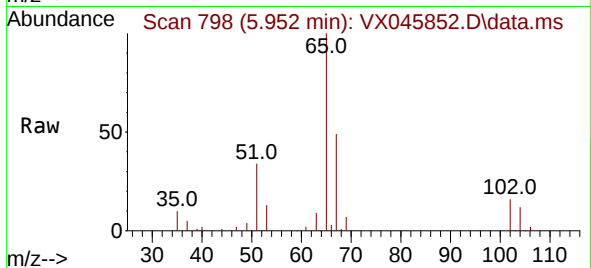
CONCRETE-PILE

Tgt Ion: 65 Resp: 68741

Ion Ratio Lower Upper

65 100

67 48.7 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX045852.D

Acq: 18 Apr 2025 13:00

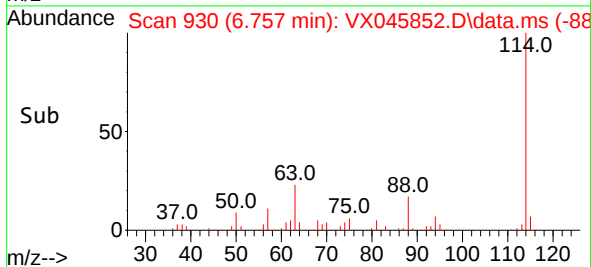
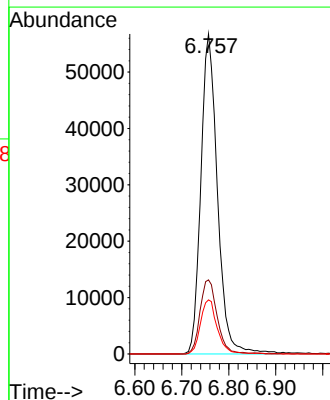
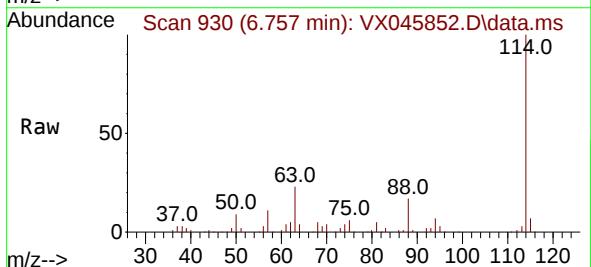
Tgt Ion: 114 Resp: 139085

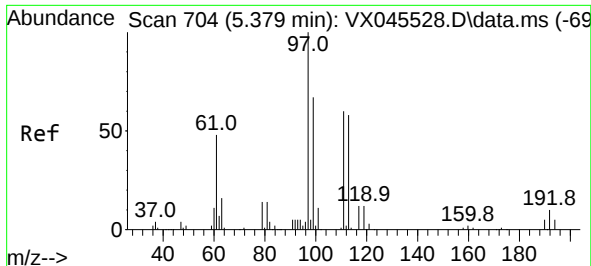
Ion Ratio Lower Upper

114 100

63 23.1 0.0 46.8

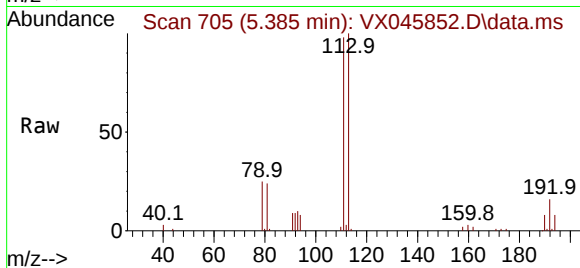
88 16.9 0.0 35.4



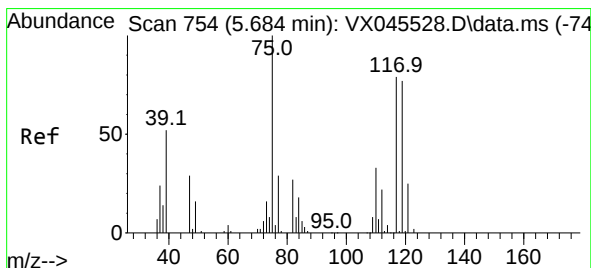
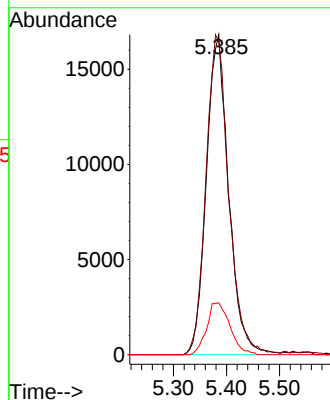
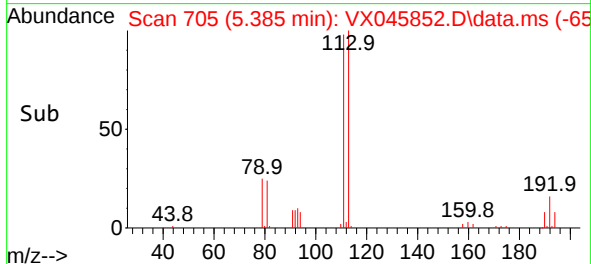


#35
Dibromofluoromethane
Concen: 49.851 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX045852.D
Acq: 18 Apr 2025 13:00

Instrument :
MSVOA_X
ClientSampleId :
CONCRETE-PILE

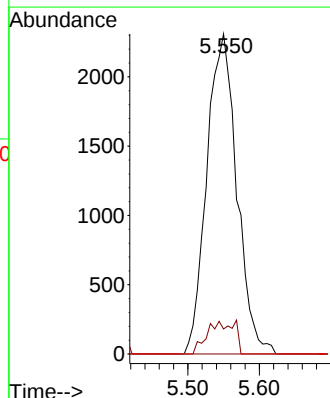
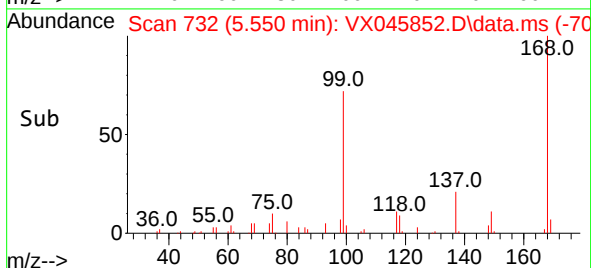
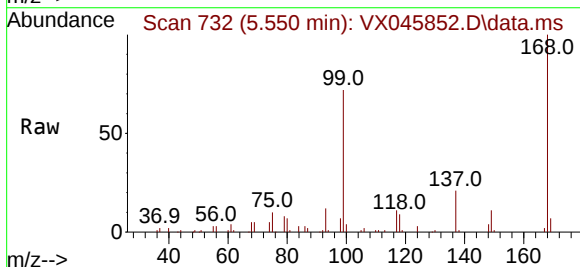


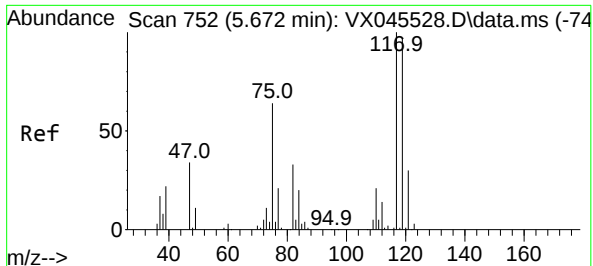
Tgt Ion:113 Resp: 49193
Ion Ratio Lower Upper
113 100
111 102.0 81.8 122.6
192 16.9 13.8 20.6



#36
1,1-Dichloropropene
Concen: 5.053 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX045852.D
Acq: 18 Apr 2025 13:00

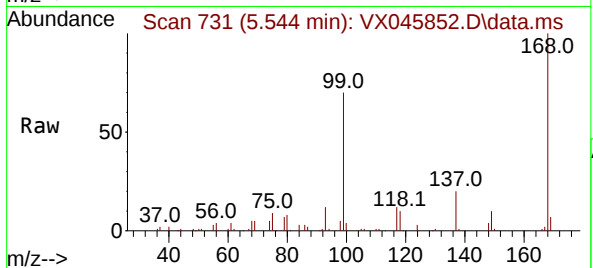
Tgt Ion: 75 Resp: 6733
Ion Ratio Lower Upper
75 100
110 5.9 16.9 50.6#
77 0.0 25.0 37.4#



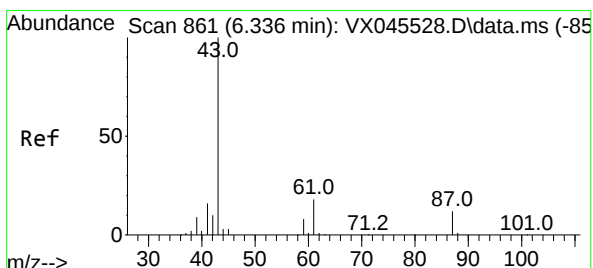
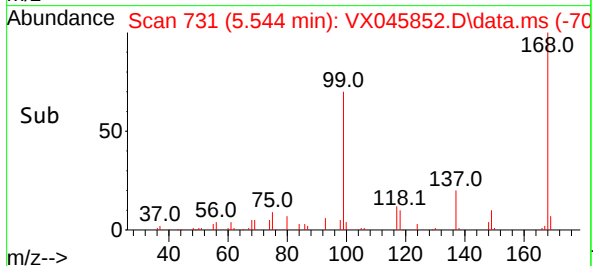
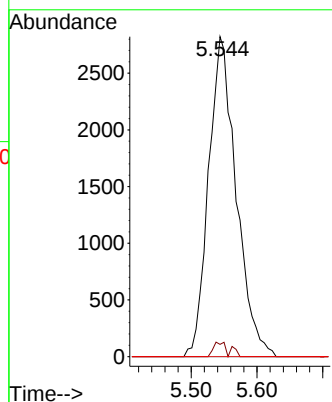


#38
Carbon Tetrachloride
Concen: 5.729 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX045852.D
Acq: 18 Apr 2025 13:00

Instrument :
MSVOA_X
ClientSampleId :
CONCRETE-PILE

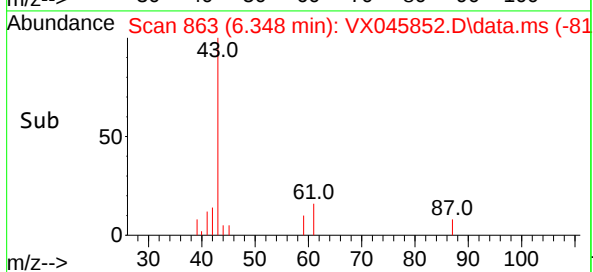
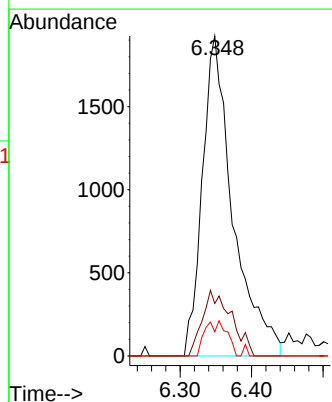
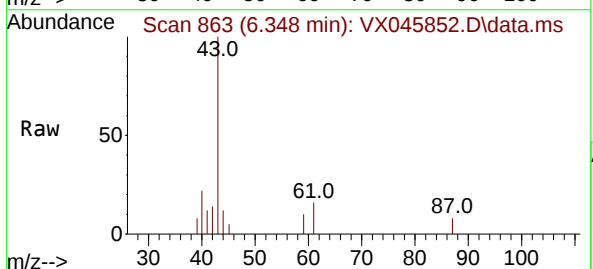


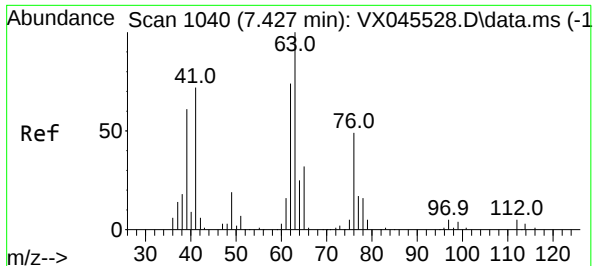
Tgt Ion:117 Resp: 8249
Ion Ratio Lower Upper
117 100
119 3.9 76.9 115.3#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 2.248 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX045852.D
Acq: 18 Apr 2025 13:00

Tgt Ion: 43 Resp: 5722
Ion Ratio Lower Upper
43 100
61 19.4 14.1 21.1
87 4.0 9.2 13.8#





#45

1,2-Dichloropropane

Concen: 0.206 ug/l

RT: 7.519 min Scan# 1055

Delta R.T. 0.092 min

Lab File: VX045852.D

Acq: 18 Apr 2025 13:00

Instrument :

MSVOA_X

ClientSampleId :

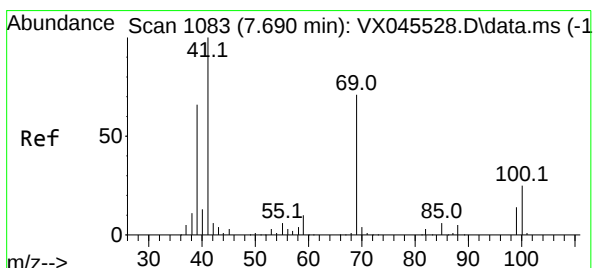
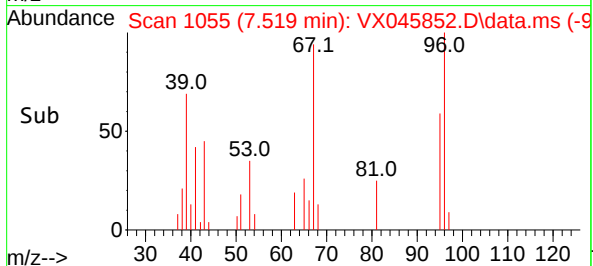
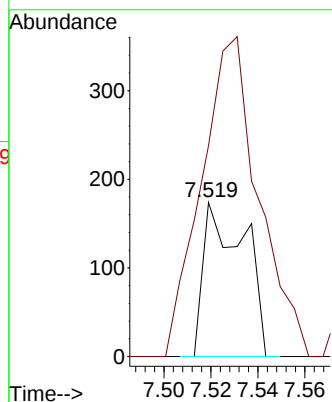
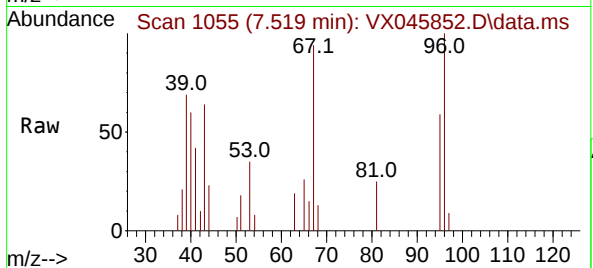
CONCRETE-PILE

Tgt Ion: 63 Resp: 209

Ion Ratio Lower Upper

63 100

65 91.4 25.8 38.6#



#48

Methyl methacrylate

Concen: 0.524 ug/l

RT: 7.617 min Scan# 1071

Delta R.T. -0.073 min

Lab File: VX045852.D

Acq: 18 Apr 2025 13:00

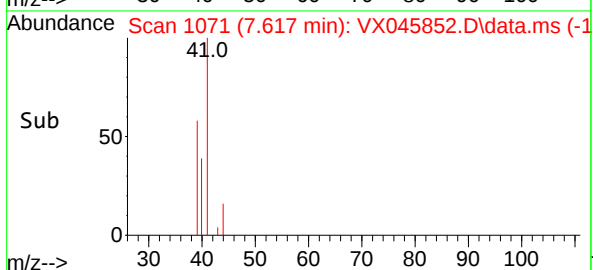
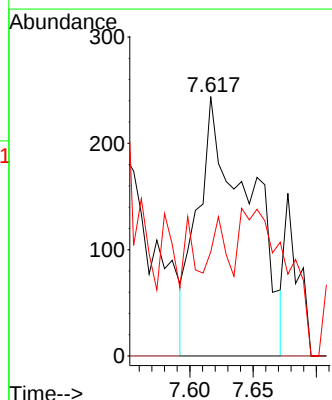
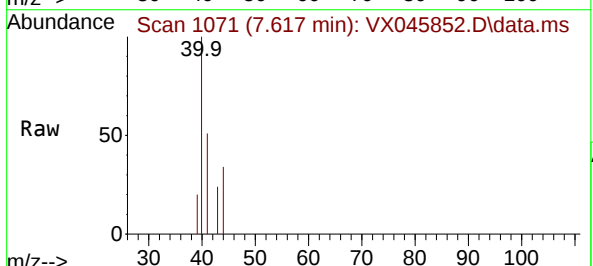
Tgt Ion: 41 Resp: 689

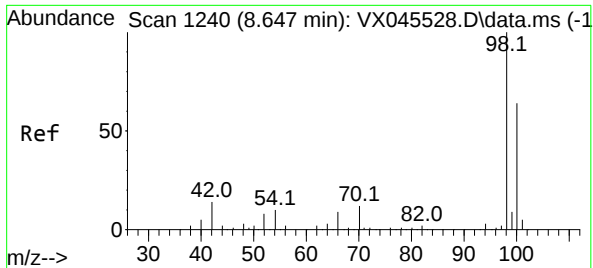
Ion Ratio Lower Upper

41 100

69 0.0 58.2 87.2#

39 0.0 53.6 80.4#

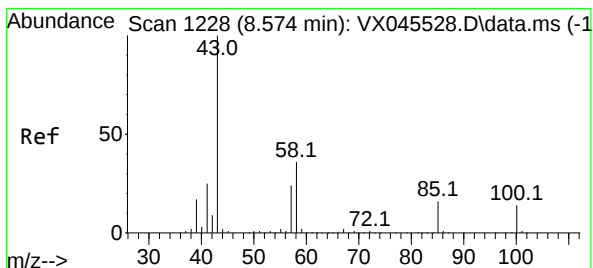
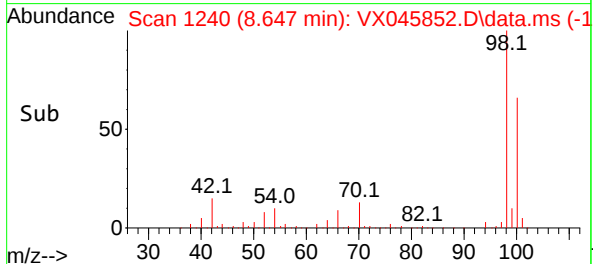
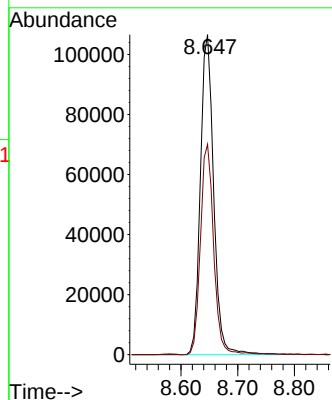
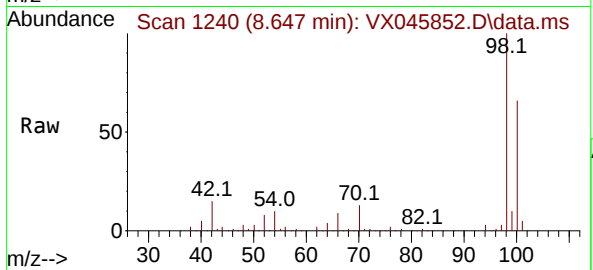




#50
Toluene-d8
Concen: 50.204 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045852.D
Acq: 18 Apr 2025 13:00

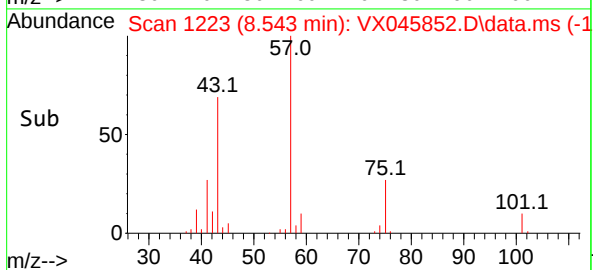
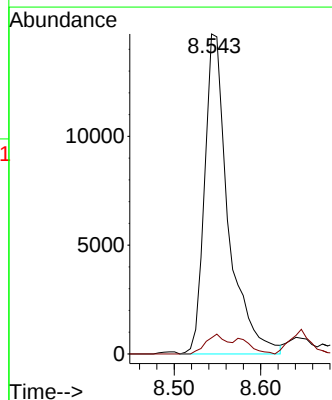
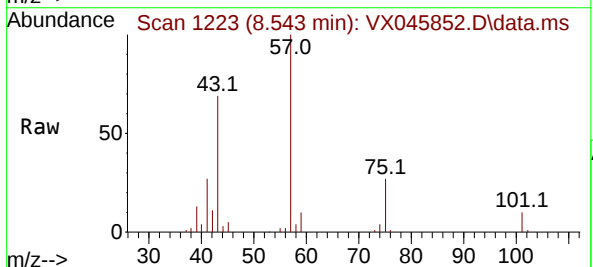
Instrument :
MSVOA_X
ClientSampleId :
CONCRETE-PILE

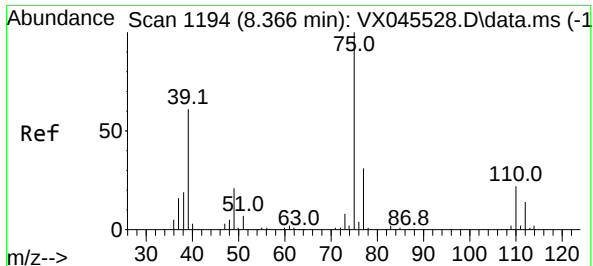
Tgt Ion: 98 Resp: 172919
Ion Ratio Lower Upper
98 100
100 65.8 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 16.598 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. -0.030 min
Lab File: VX045852.D
Acq: 18 Apr 2025 13:00

Tgt Ion: 43 Resp: 28002
Ion Ratio Lower Upper
43 100
58 5.7 28.5 42.7#

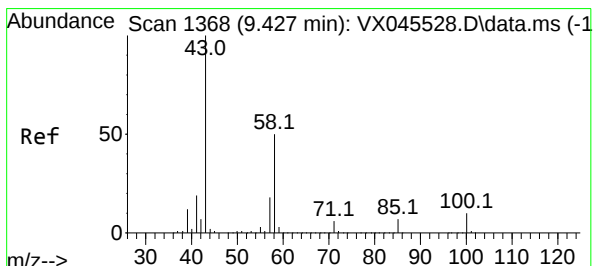
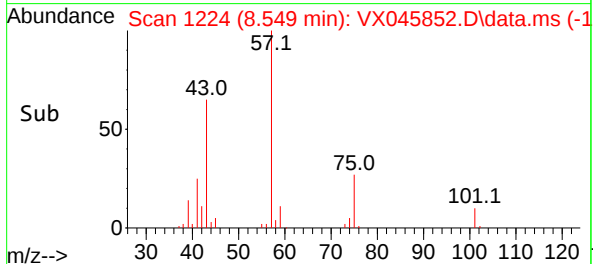
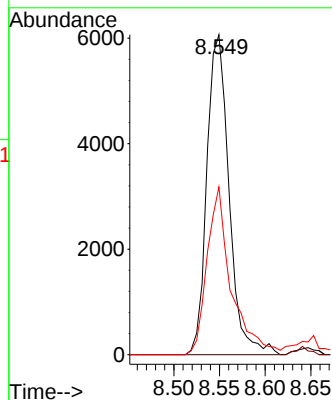
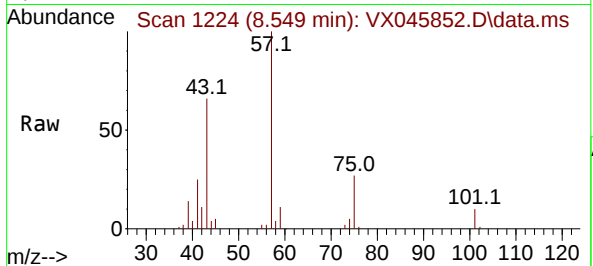




#54
 cis-1,3-Dichloropropene
 Concen: 7.005 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX045852.D
 Acq: 18 Apr 2025 13:00

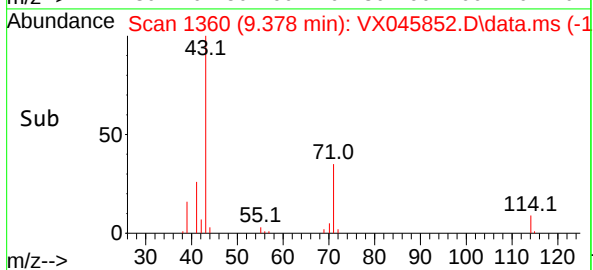
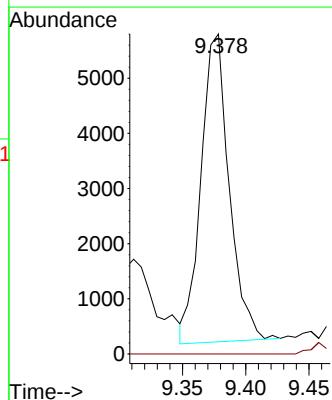
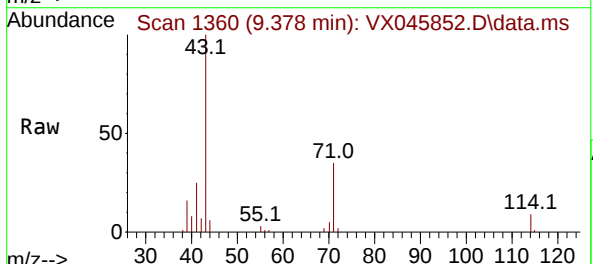
Instrument :
 MSVOA_X
 ClientSampleId :
 CONCRETE-PILE

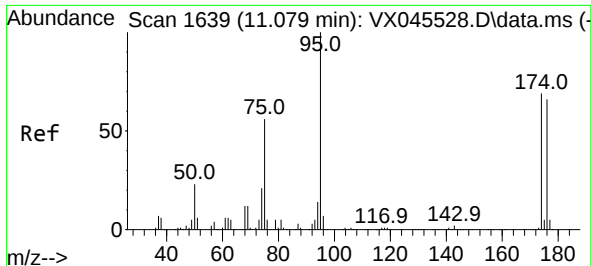
Tgt Ion: 75 Resp: 10246
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 36.8#
 39 52.5 48.4 72.6



#59
 2-Hexanone
 Concen: 6.928 ug/l
 RT: 9.378 min Scan# 1360
 Delta R.T. -0.049 min
 Lab File: VX045852.D
 Acq: 18 Apr 2025 13:00

Tgt Ion: 43 Resp: 8655
 Ion Ratio Lower Upper
 43 100
 58 0.0 24.9 74.6#

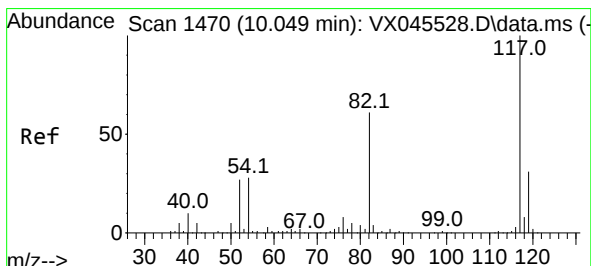
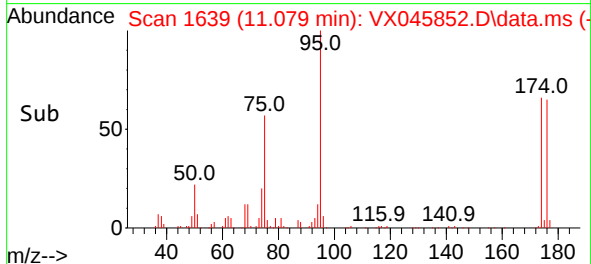
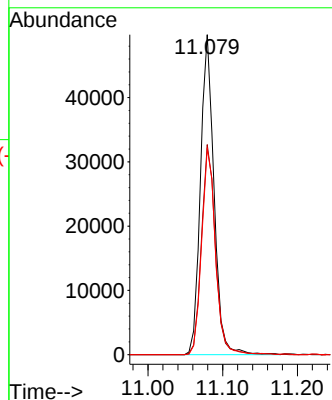
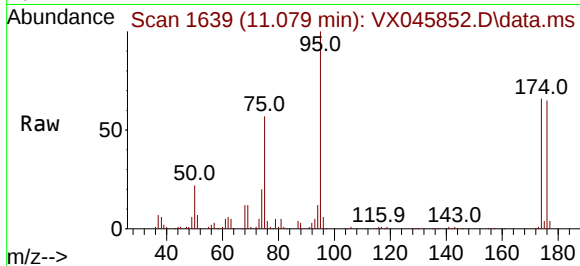




#62
4-Bromofluorobenzene
Concen: 50.025 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045852.D
Acq: 18 Apr 2025 13:00

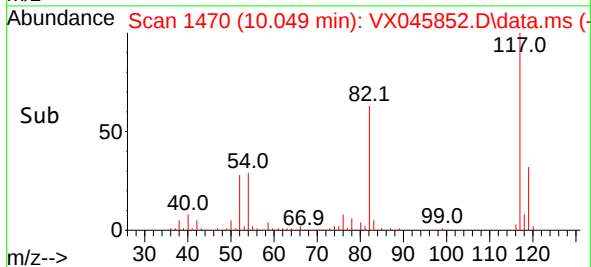
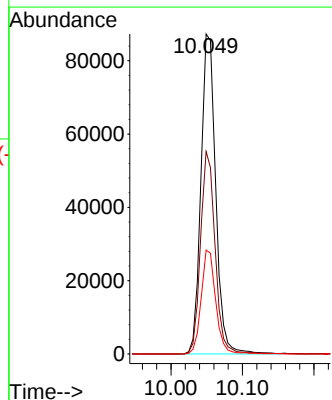
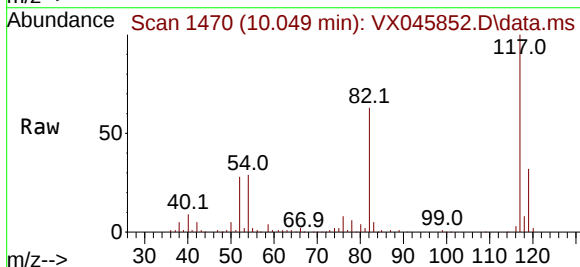
Instrument :
MSVOA_X
ClientSampleId :
CONCRETE-PILE

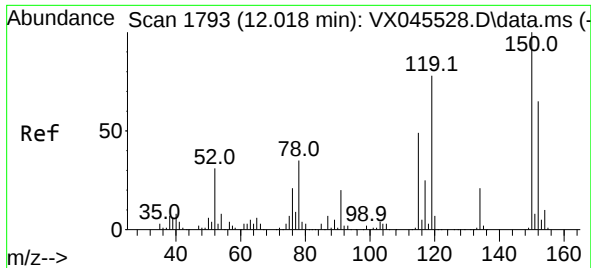
Tgt Ion: 95 Resp: 62762
Ion Ratio Lower Upper
95 100
174 67.1 0.0 135.8
176 65.9 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045852.D
Acq: 18 Apr 2025 13:00

Tgt Ion: 117 Resp: 125467
Ion Ratio Lower Upper
117 100
82 63.3 49.2 73.8
119 32.4 25.1 37.7

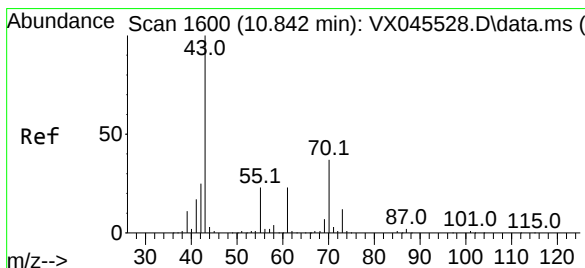
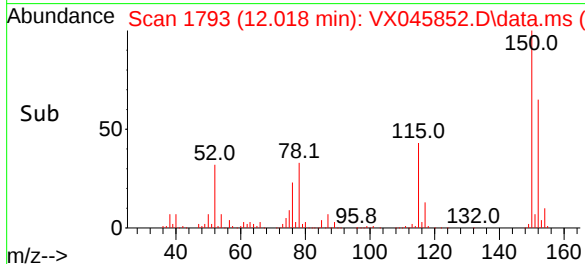
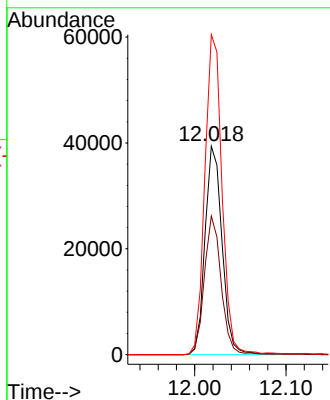
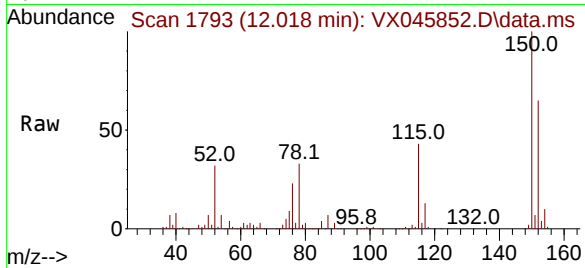




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045852.D
Acq: 18 Apr 2025 13:00

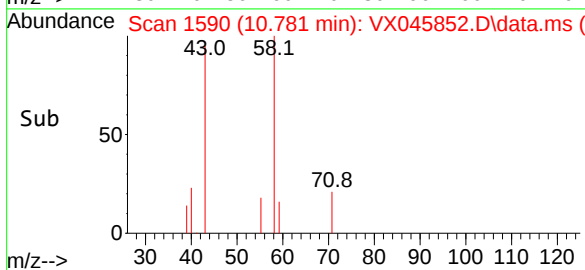
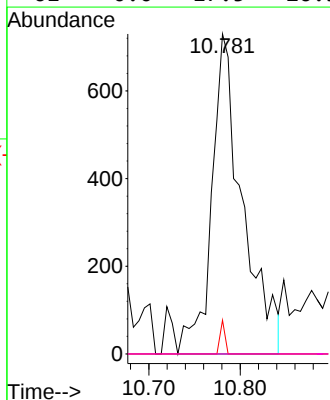
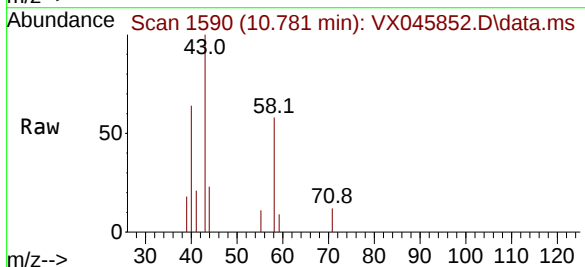
Instrument :
MSVOA_X
ClientSampleId :
CONCRETE-PILE

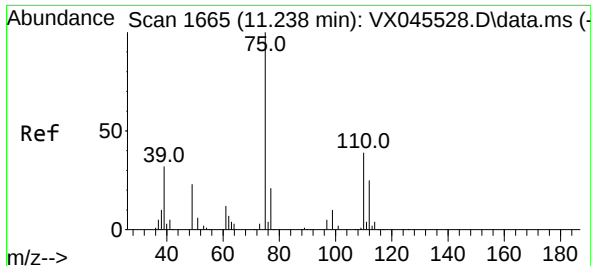
Tgt Ion:152 Resp: 51141
Ion Ratio Lower Upper
152 100
115 65.5 46.9 140.7
150 154.8 0.0 349.4



#74
N-ethyl acetate
Concen: 0.871 ug/l
RT: 10.781 min Scan# 1590
Delta R.T. -0.061 min
Lab File: VX045852.D
Acq: 18 Apr 2025 13:00

Tgt Ion: 43 Resp: 1707
Ion Ratio Lower Upper
43 100
70 0.0 30.1 45.1#
55 1.6 18.3 27.5#
61 0.0 17.5 26.3#

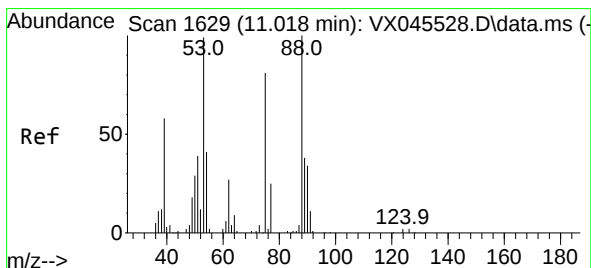
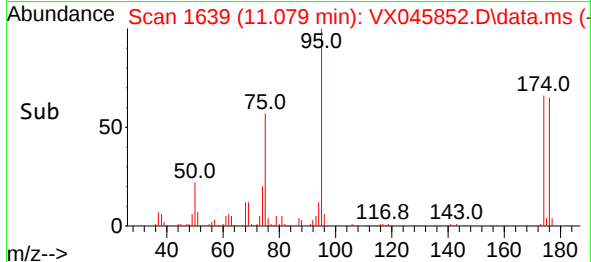
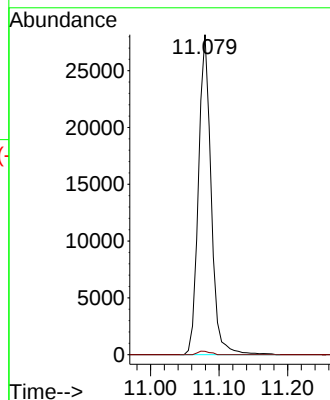
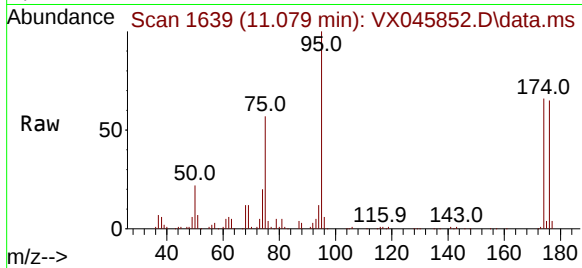




#76
1,2,3-Trichloropropane
Concen: 29.102 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX045852.D
Acq: 18 Apr 2025 13:00

Instrument :
MSVOA_X
ClientSampleId :
CONCRETE-PILE

Tgt Ion: 75 Resp: 36303
Ion Ratio Lower Upper
75 100
77 1.1 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 98.768 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045852.D
Acq: 18 Apr 2025 13:00

Tgt Ion: 75 Resp: 36303
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#

