

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042225\
 Data File : VX045896.D
 Acq On : 22 Apr 2025 19:33
 Operator : JC/MD
 Sample : Q1850-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CONCRETE-PILE-N-C-LOT

Quant Time: Apr 23 01:37:04 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)

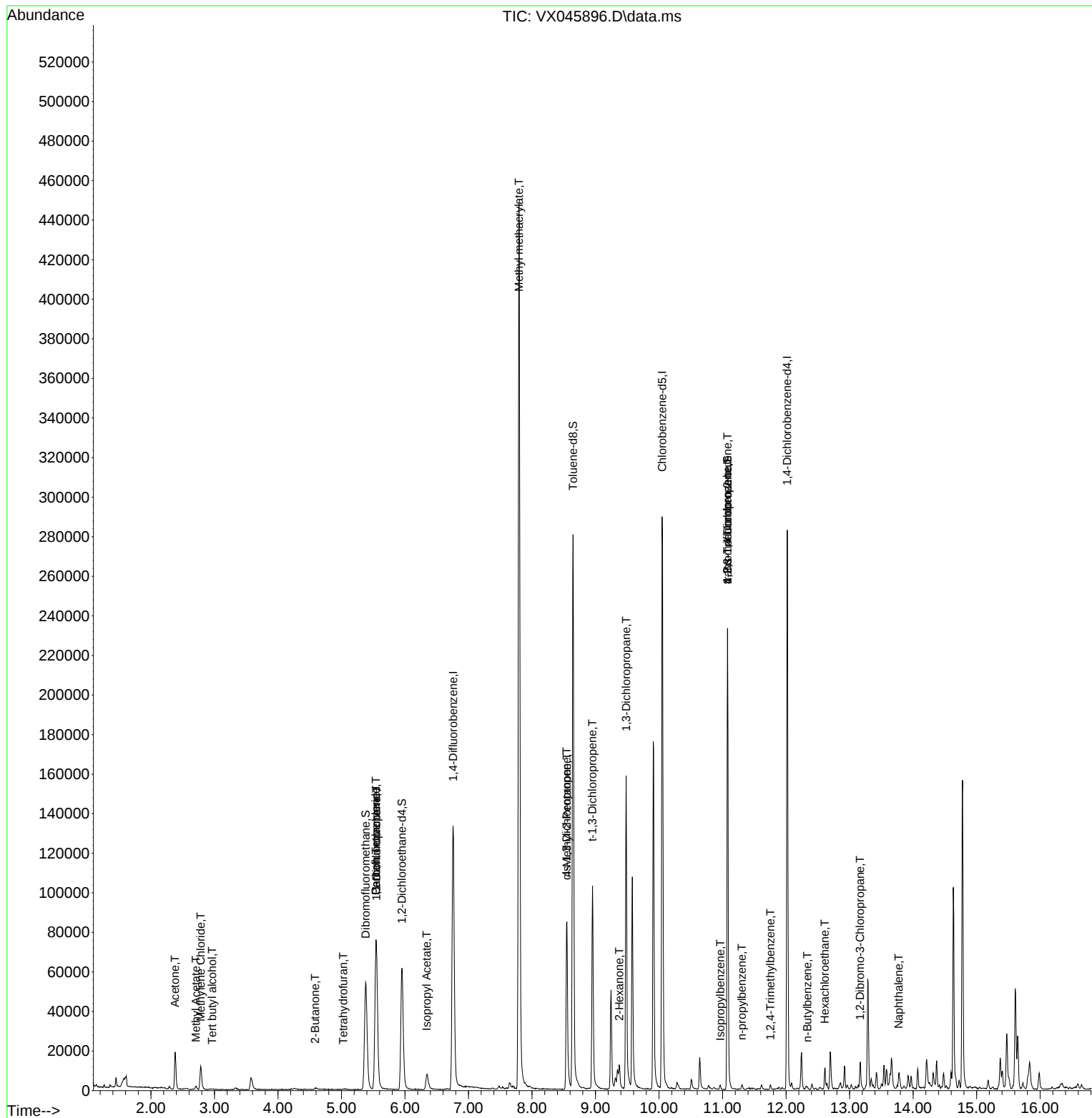
Internal Standards						
1) Pentafluorobenzene	5.544	168	65674	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	130089	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	121609	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51972	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63448	52.829	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.660%	
35) Dibromofluoromethane	5.379	113	46180	50.033	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.060%	
50) Toluene-d8	8.647	98	163476	50.744	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.480%	
62) 4-Bromofluorobenzene	11.079	95	61315	52.252	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 104.500%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.965	59	250	1.549	ug/l #	72
16) Acetone	2.380	43	20522	41.613	ug/l	98
18) Methyl Acetate	2.709	43	2241	1.974	ug/l	97
20) Methylene Chloride	2.782	84	5524	5.983	ug/l	91
25) 2-Butanone	4.587	43	754	1.044	ug/l #	86
29) Tetrahydrofuran	5.026	42	287	0.613	ug/l #	35
36) 1,1-Dichloropropene	5.550	75	6750	5.416	ug/l #	49
38) Carbon Tetrachloride	5.544	117	7753	5.756	ug/l #	15
43) Isopropyl Acetate	6.342	43	11810	4.962	ug/l	97
48) Methyl methacrylate	7.793	41	44726	36.393	ug/l #	50
51) 4-Methyl-2-Pentanone	8.549	43	35036	22.204	ug/l #	52
53) t-1,3-Dichloropropene	8.952	75	181	2.412	ug/l #	43
54) cis-1,3-Dichloropropene	8.543	75	12928	9.450	ug/l #	67
57) 1,3-Dichloropropane	9.482	76	1178	0.737	ug/l #	42
59) 2-Hexanone	9.372	43	11342	9.706	ug/l #	28
73) Isopropylbenzene	10.963	105	1179	0.283	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	35138	27.717	ug/l #	37
78) n-propylbenzene	11.305	91	1677	0.350	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.079	75	35138	94.070	ug/l #	1
84) 1,2,4-Trimethylbenzene	11.756	105	1269	0.367	ug/l	97
89) n-Butylbenzene	12.335	91	718	0.240	ug/l #	54
90) Hexachloroethane	12.610	117	561	0.946	ug/l #	19
92) 1,2-Dibromo-3-Chloropr...	13.164	75	117	0.383	ug/l #	9
95) Naphthalene	13.774	128	5365	1.488	ug/l #	96

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

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Instrument :
MSVOA_X
ClientSampleId :
CONCRETE-PILE-N-C-LOT

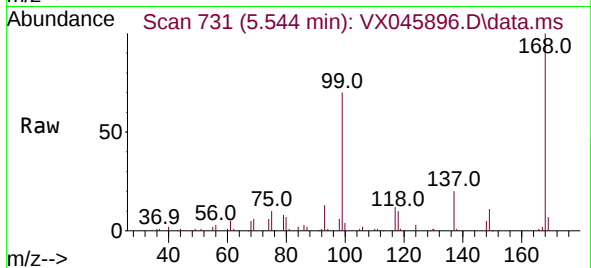
Quant Time: Apr 23 01:37:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
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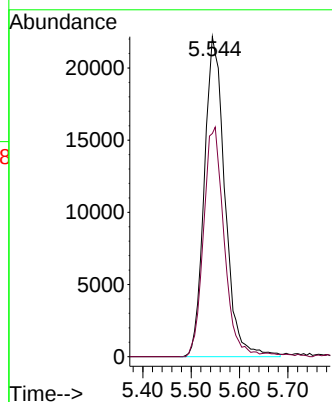
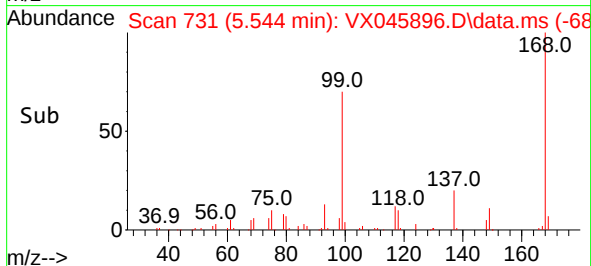


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045896.D
Acq: 22 Apr 2025 19:33

Instrument :
MSVOA_X
ClientSampleId :
CONCRETE-PILE-N-C-LOT

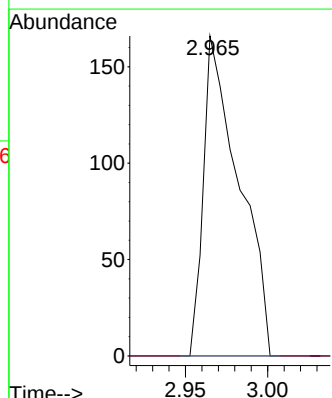
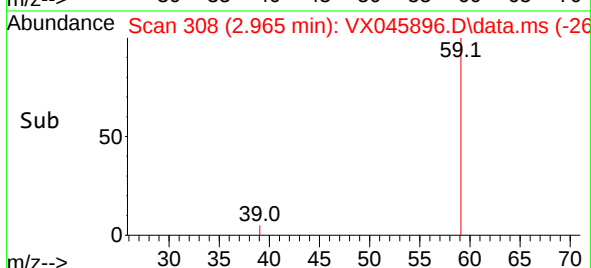
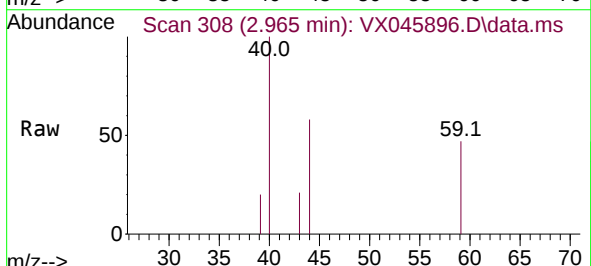


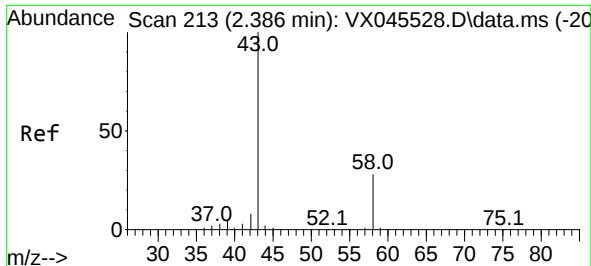
Tgt Ion:168 Resp: 65674
Ion Ratio Lower Upper
168 100
99 69.7 52.3 78.5



#11
Tert butyl alcohol
Concen: 1.549 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX045896.D
Acq: 22 Apr 2025 19:33

Tgt Ion: 59 Resp: 250
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

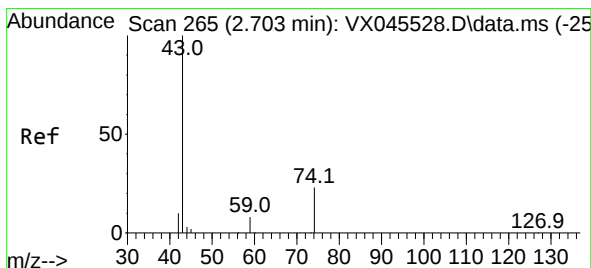
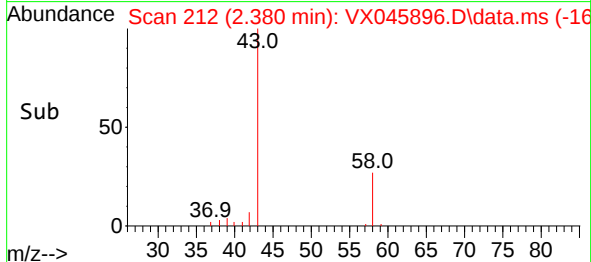
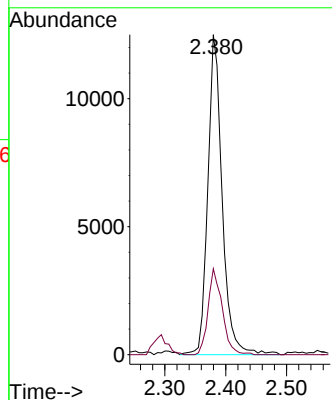
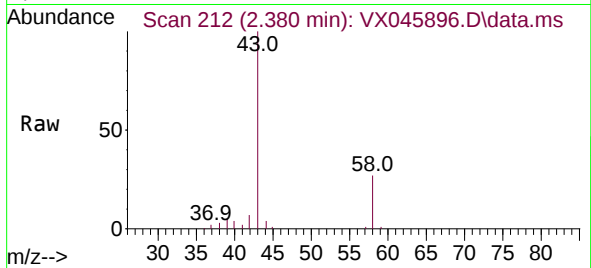




#16
Acetone
Concen: 41.613 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX045896.D
Acq: 22 Apr 2025 19:33

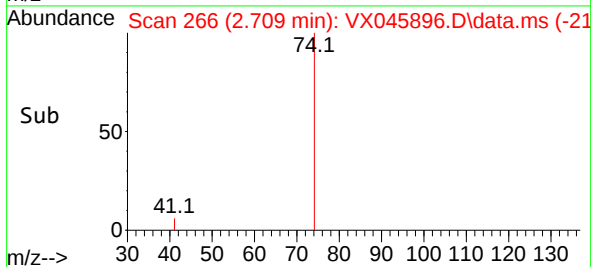
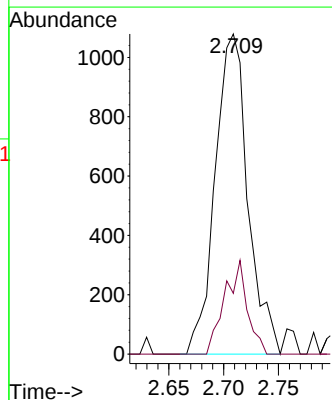
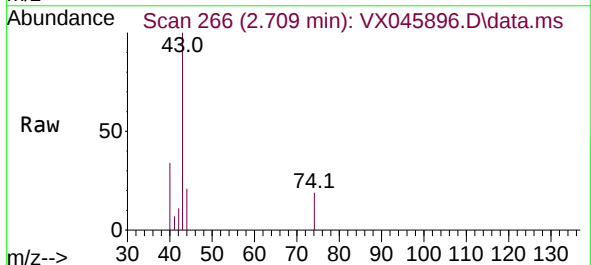
Instrument :
MSVOA_X
ClientSampleId :
CONCRETE-PILE-N-C-LOT

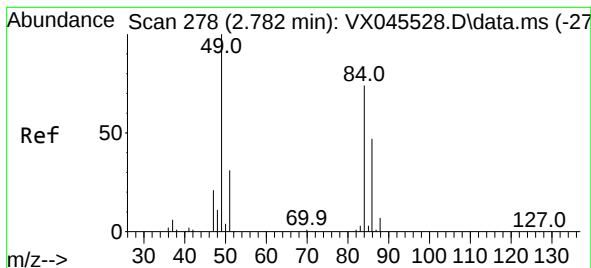
Tgt Ion: 43 Resp: 20522
Ion Ratio Lower Upper
43 100
58 26.9 22.3 33.5



#18
Methyl Acetate
Concen: 1.974 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045896.D
Acq: 22 Apr 2025 19:33

Tgt Ion: 43 Resp: 2241
Ion Ratio Lower Upper
43 100
74 20.3 17.5 26.3





#20

Methylene Chloride

Concen: 5.983 ug/l

RT: 2.782 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX045896.D

Acq: 22 Apr 2025 19:33

Instrument :

MSVOA_X

ClientSampleId :

CONCRETE-PILE-N-C-LOT

Tgt Ion: 84 Resp: 5524

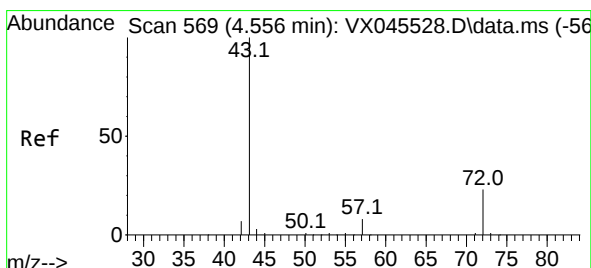
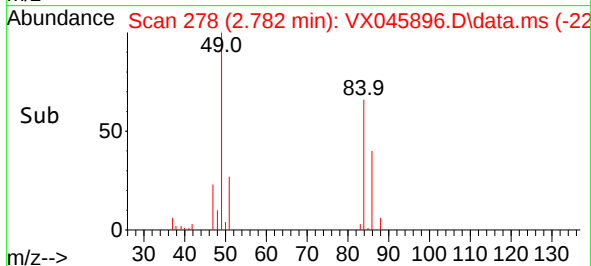
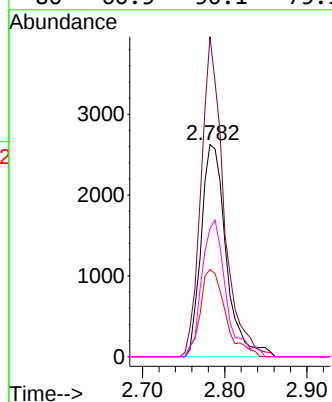
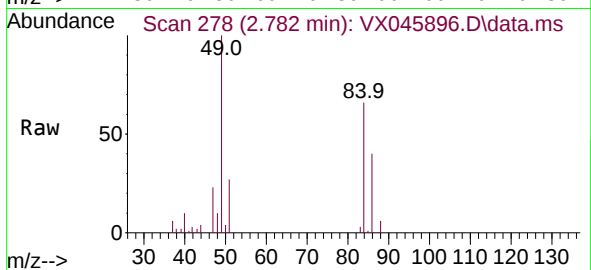
Ion Ratio Lower Upper

84 100

49 150.8 107.5 161.3

51 41.1 33.0 49.6

86 60.5 50.1 75.1



#25

2-Butanone

Concen: 1.044 ug/l

RT: 4.587 min Scan# 574

Delta R.T. 0.031 min

Lab File: VX045896.D

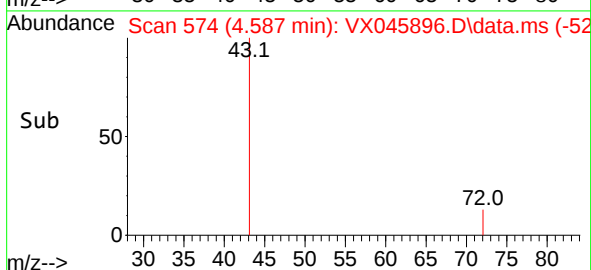
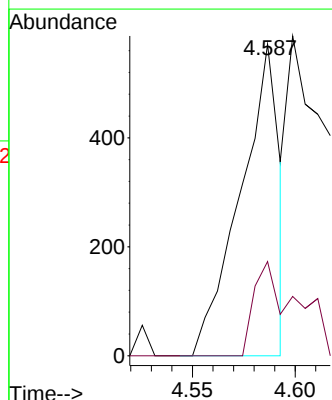
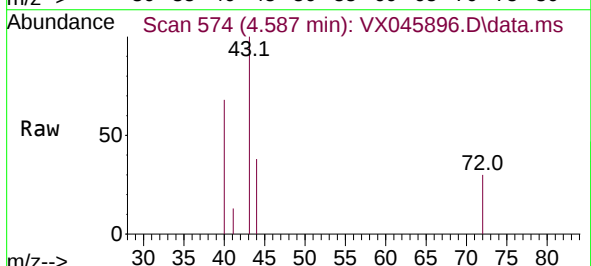
Acq: 22 Apr 2025 19:33

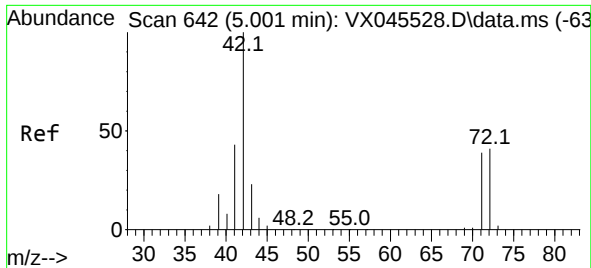
Tgt Ion: 43 Resp: 754

Ion Ratio Lower Upper

43 100

72 30.2 18.6 28.0#

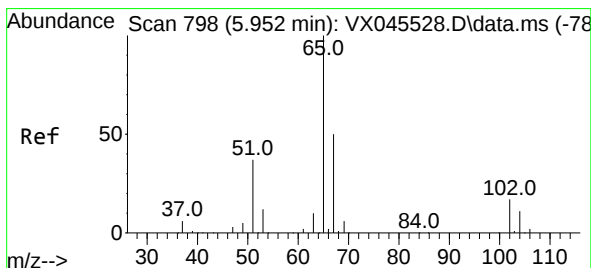
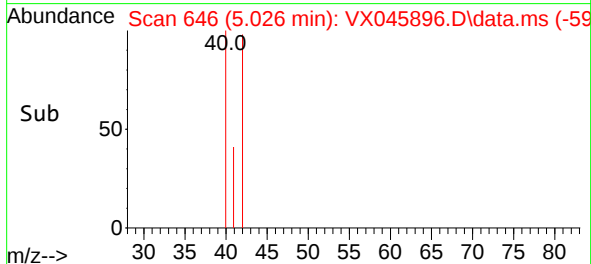
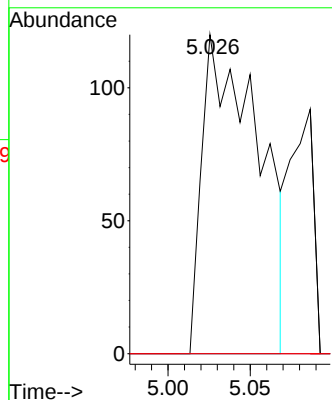
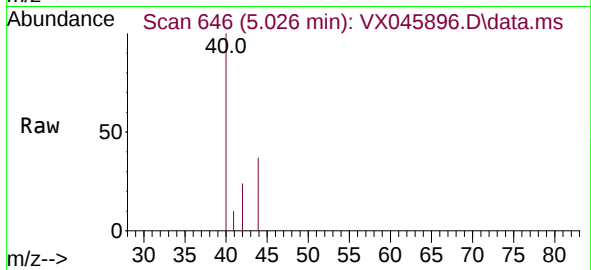




#29
Tetrahydrofuran
Concen: 0.613 ug/l
RT: 5.026 min Scan# 642
Delta R.T. 0.024 min
Lab File: VX045896.D
Acq: 22 Apr 2025 19:33

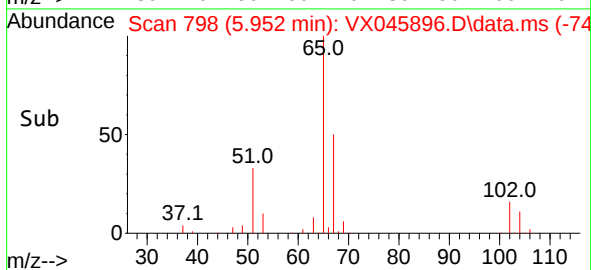
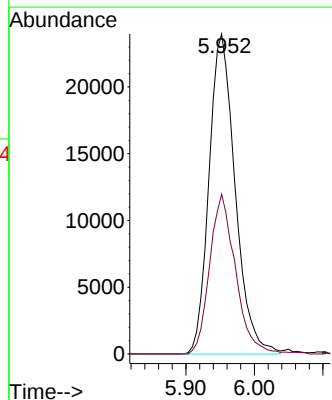
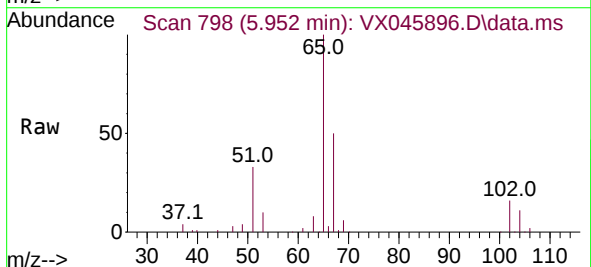
Instrument :
MSVOA_X
ClientSampleId :
CONCRETE-PILE-N-C-LOT

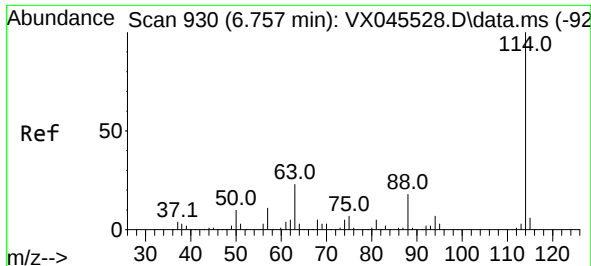
Tgt Ion: 42 Resp: 287
Ion Ratio Lower Upper
42 100
72 0.0 33.4 50.0#
71 0.0 31.4 47.0#



#33
1,2-Dichloroethane-d4
Concen: 52.829 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045896.D
Acq: 22 Apr 2025 19:33

Tgt Ion: 65 Resp: 63448
Ion Ratio Lower Upper
65 100
67 49.6 0.0 99.0

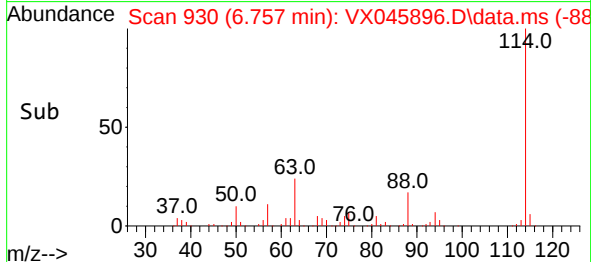
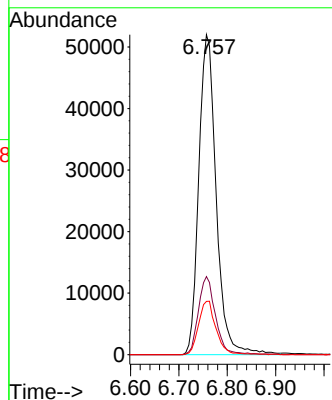
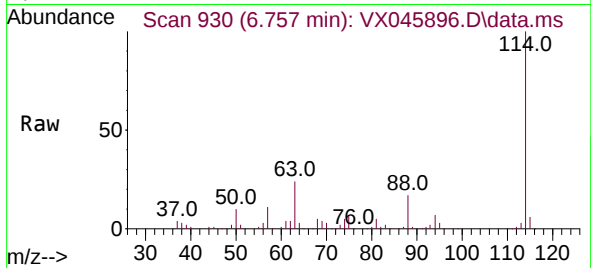




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX045896.D
Acq: 22 Apr 2025 19:33

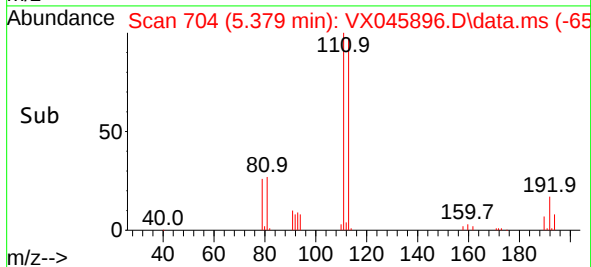
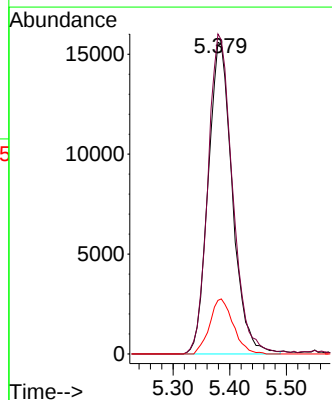
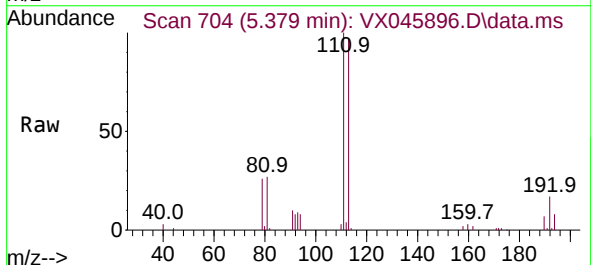
Instrument :
MSVOA_X
ClientSampleId :
CONCRETE-PILE-N-C-LOT

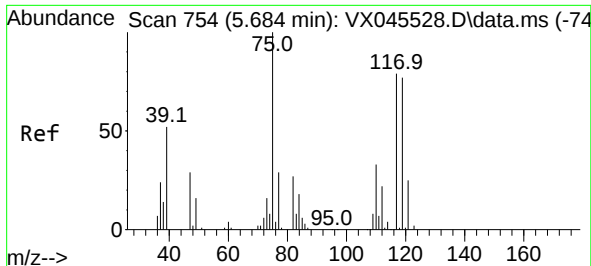
Tgt Ion:114 Resp: 130089
Ion Ratio Lower Upper
114 100
63 24.4 0.0 46.8
88 16.6 0.0 35.4



#35
Dibromofluoromethane
Concen: 50.033 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045896.D
Acq: 22 Apr 2025 19:33

Tgt Ion:113 Resp: 46180
Ion Ratio Lower Upper
113 100
111 104.5 81.8 122.6
192 17.2 13.8 20.6





#36

1,1-Dichloropropene

Concen: 5.416 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.134 min

Lab File: VX045896.D

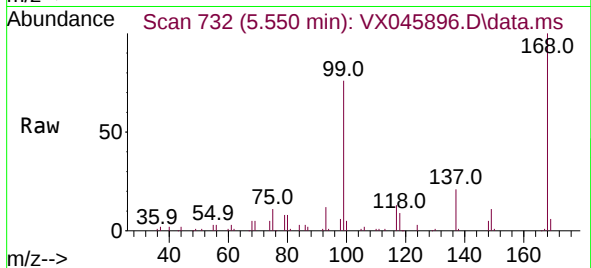
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Instrument :

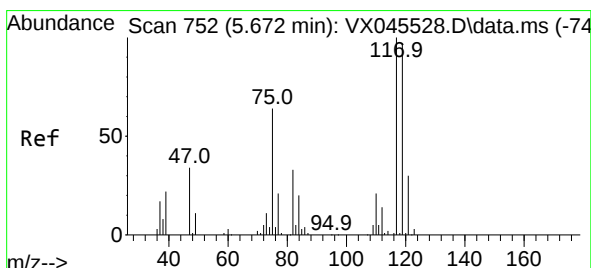
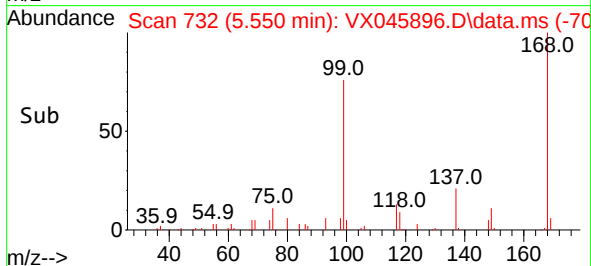
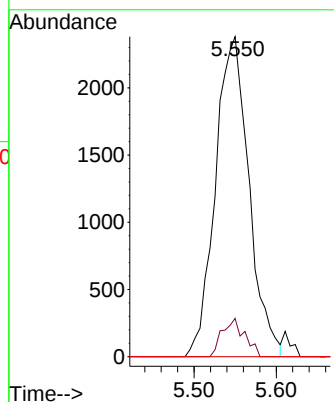
MSVOA_X

ClientSampleId :

CONCRETE-PILE-N-C-LOT



Tgt Ion:	75	Resp:	6750
Ion	Ratio	Lower	Upper
75	100		
110	8.0	16.9	50.6#
77	0.0	25.0	37.4#



#38

Carbon Tetrachloride

Concen: 5.756 ug/l

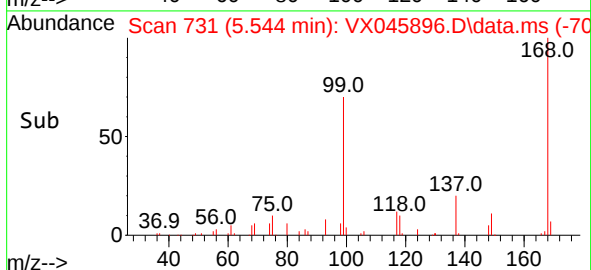
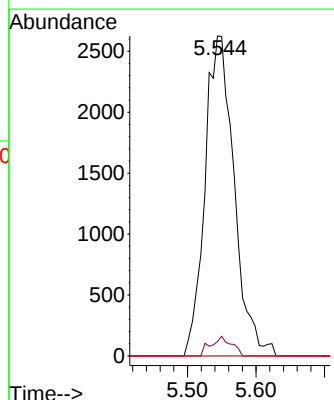
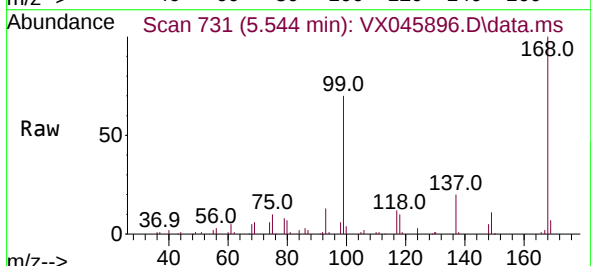
RT: 5.544 min Scan# 731

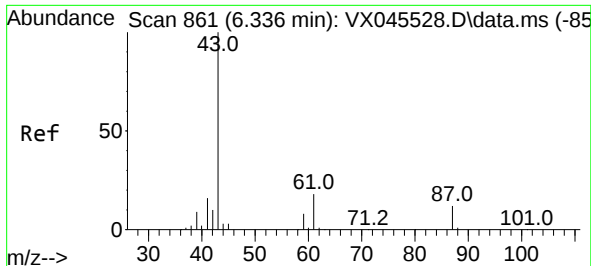
Delta R.T. -0.128 min

Lab File: VX045896.D

Acq: 22 Apr 2025 19:33

Tgt Ion:	117	Resp:	7753
Ion	Ratio	Lower	Upper
117	100		
119	4.5	76.9	115.3#
121	0.0	24.2	36.2#

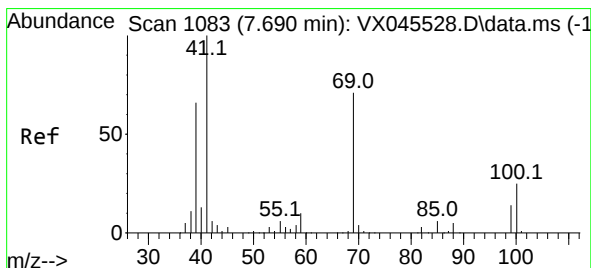
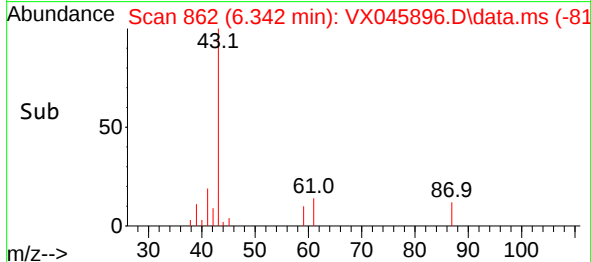
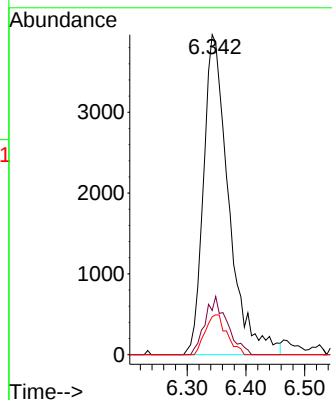
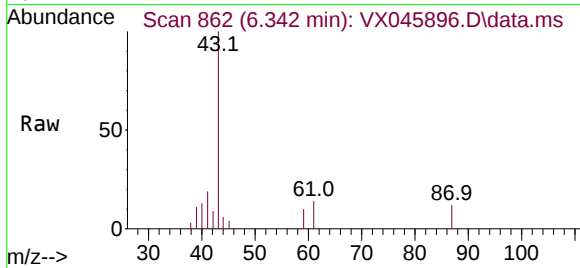




#43
Isopropyl Acetate
Concen: 4.962 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX045896.D
Acq: 22 Apr 2025 19:33

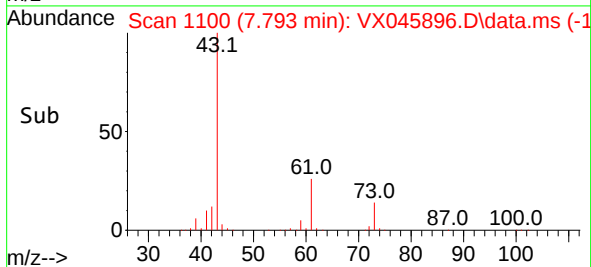
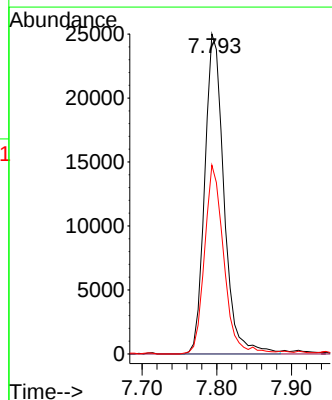
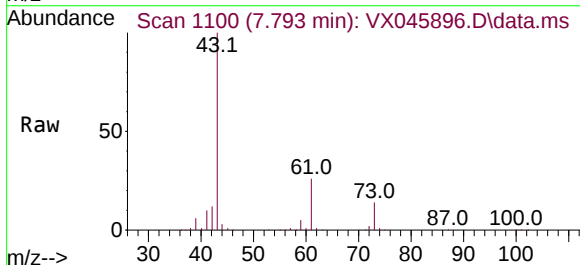
Instrument :
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CONCRETE-PILE-N-C-LOT

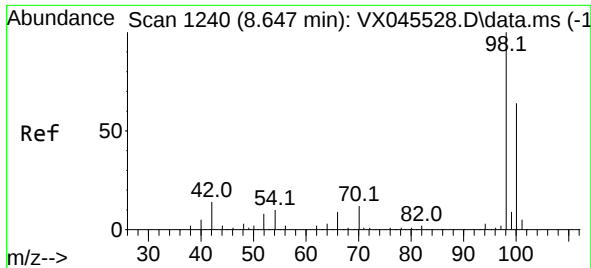
Tgt Ion: 43 Resp: 11810
Ion Ratio Lower Upper
43 100
61 15.9 14.1 21.1
87 10.6 9.2 13.8



#48
Methyl methacrylate
Concen: 36.393 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045896.D
Acq: 22 Apr 2025 19:33

Tgt Ion: 41 Resp: 44726
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 59.0 53.6 80.4

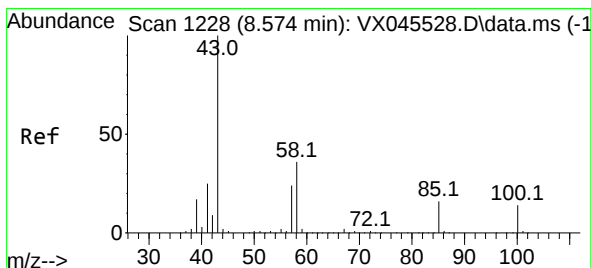
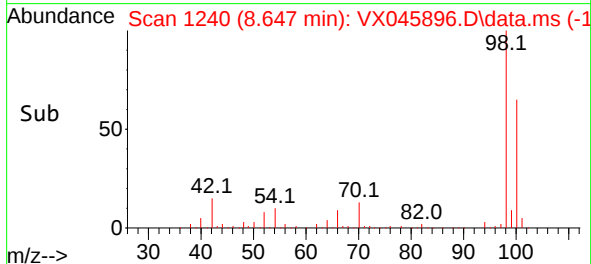
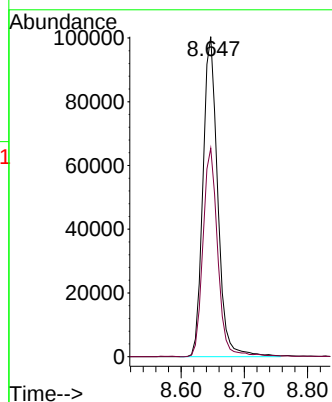
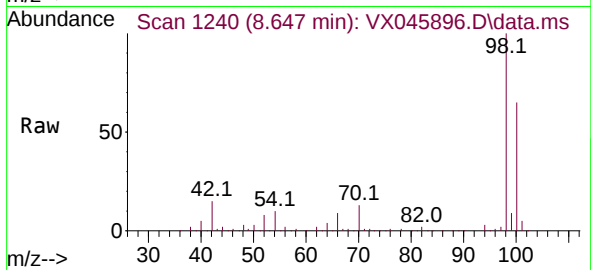




#50
Toluene-d8
Concen: 50.744 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045896.D
Acq: 22 Apr 2025 19:33

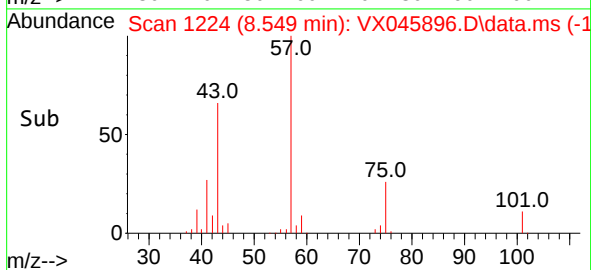
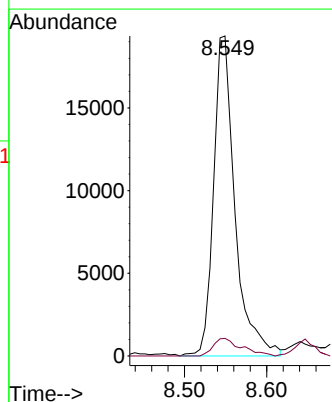
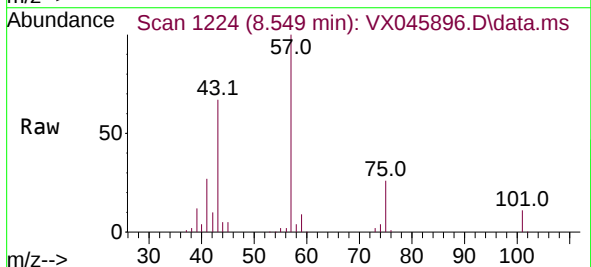
Instrument :
MSVOA_X
ClientSampleId :
CONCRETE-PILE-N-C-LOT

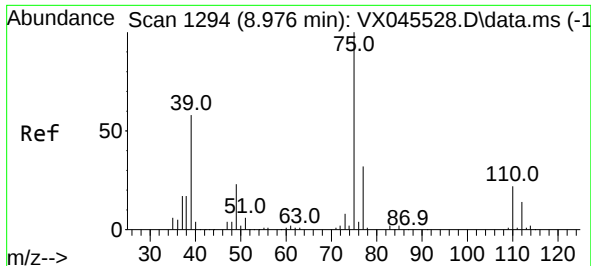
Tgt Ion: 98 Resp: 163476
Ion Ratio Lower Upper
98 100
100 65.1 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 22.204 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX045896.D
Acq: 22 Apr 2025 19:33

Tgt Ion: 43 Resp: 35036
Ion Ratio Lower Upper
43 100
58 7.3 28.5 42.7#

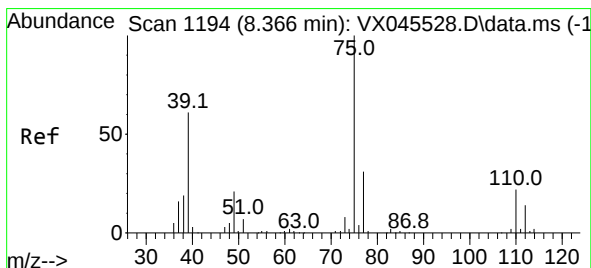
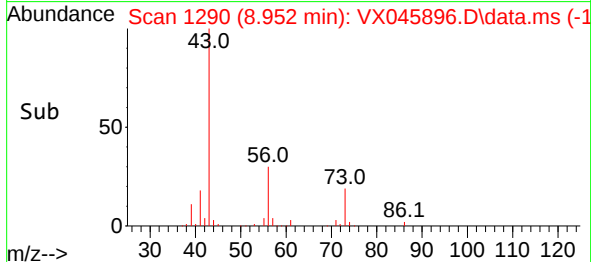
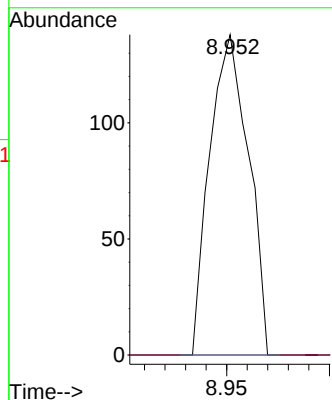
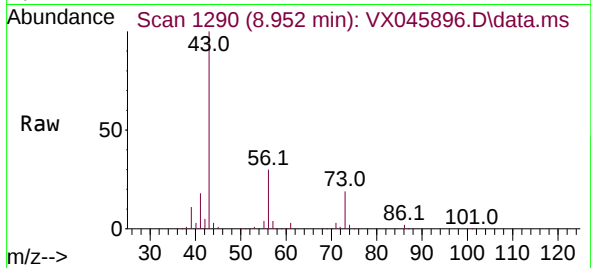




#53
t-1,3-Dichloropropene
Concen: 2.412 ug/l
RT: 8.952 min Scan# 1123
Delta R.T. -0.024 min
Lab File: VX045896.D
Acq: 22 Apr 2025 19:33

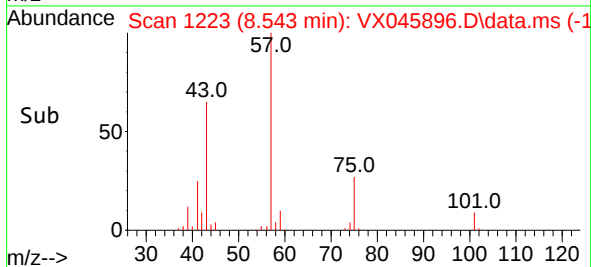
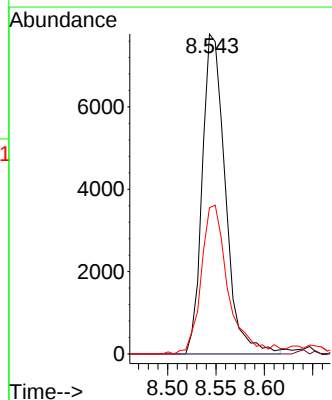
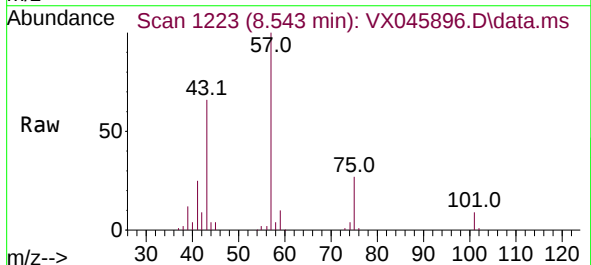
Instrument :
MSVOA_X
ClientSampleId :
CONCRETE-PILE-N-C-LOT

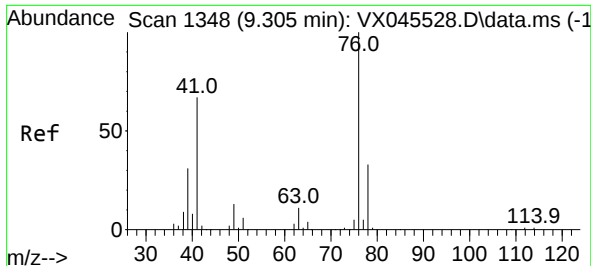
Tgt Ion: 75 Resp: 181
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#



#54
cis-1,3-Dichloropropene
Concen: 9.450 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. 0.177 min
Lab File: VX045896.D
Acq: 22 Apr 2025 19:33

Tgt Ion: 75 Resp: 12928
Ion Ratio Lower Upper
75 100
77 0.0 24.6 36.8#
39 44.7 48.4 72.6#

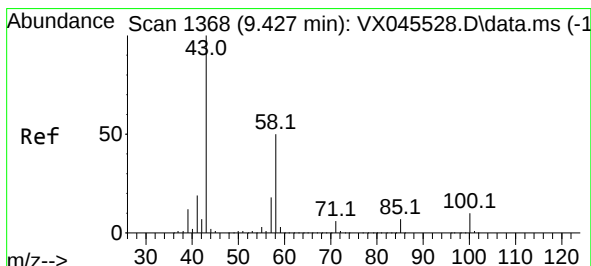
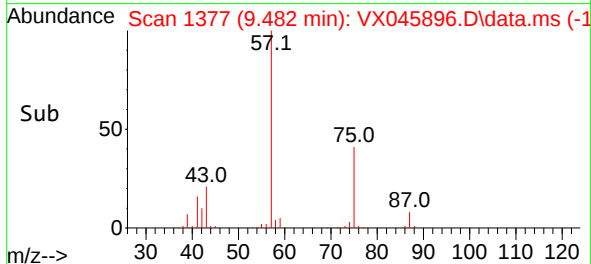
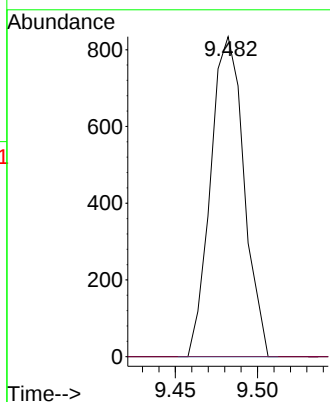
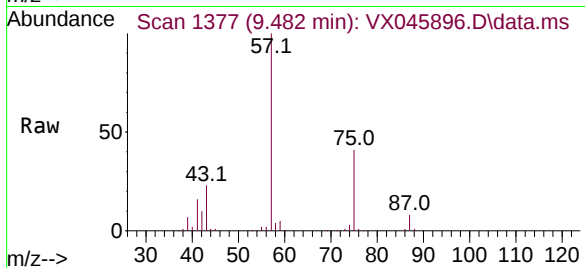




#57
1,3-Dichloropropane
Concen: 0.737 ug/l
RT: 9.482 min Scan# 1178
Delta R.T. 0.177 min
Lab File: VX045896.D
Acq: 22 Apr 2025 19:33

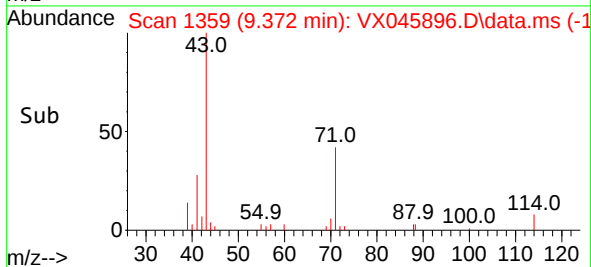
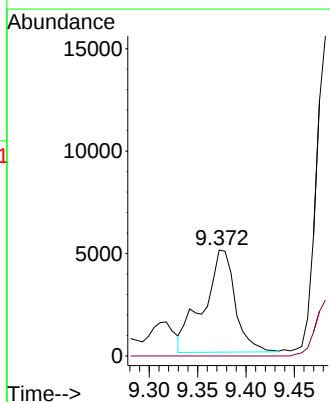
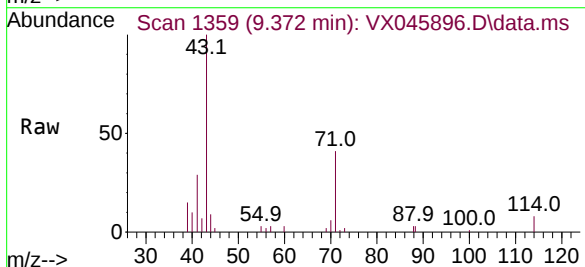
Instrument :
MSVOA_X
ClientSampleId :
CONCRETE-PILE-N-C-LOT

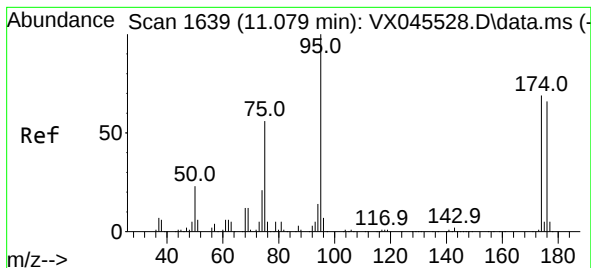
Tgt Ion: 76 Resp: 1178
Ion Ratio Lower Upper
76 100
78 0.0 26.0 39.0#



#59
2-Hexanone
Concen: 9.706 ug/l
RT: 9.372 min Scan# 1359
Delta R.T. -0.055 min
Lab File: VX045896.D
Acq: 22 Apr 2025 19:33

Tgt Ion: 43 Resp: 11342
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#

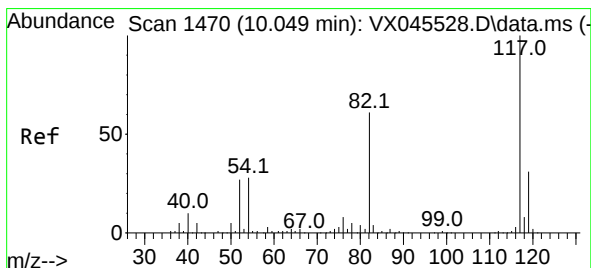
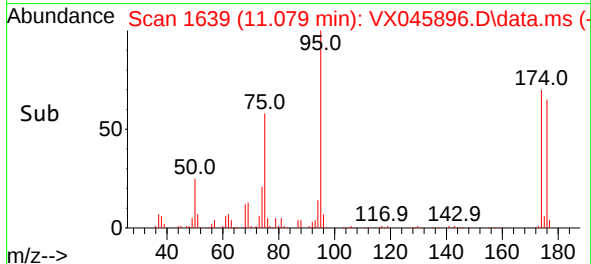
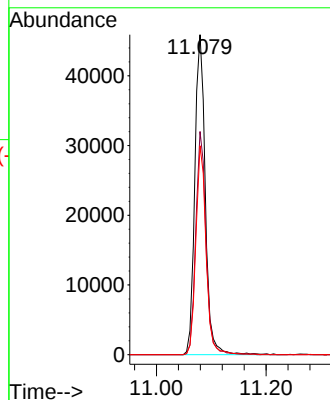
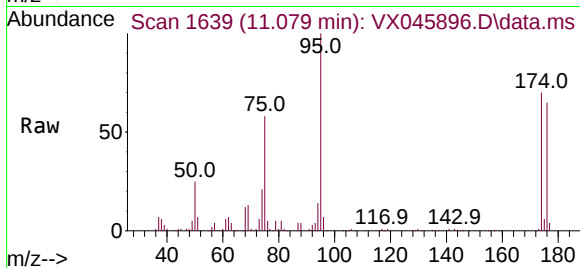




#62
4-Bromofluorobenzene
Concen: 52.252 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045896.D
Acq: 22 Apr 2025 19:33

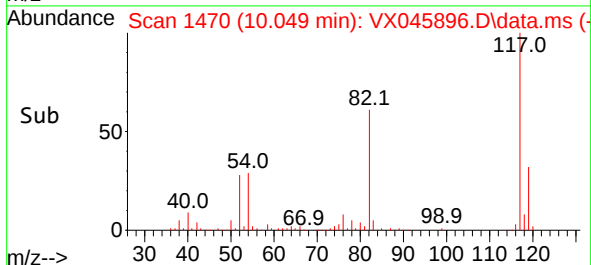
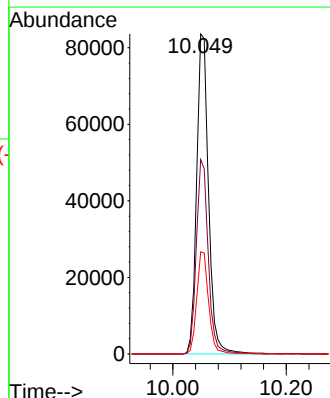
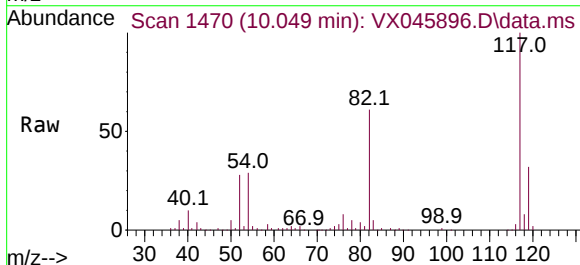
Instrument :
MSVOA_X
ClientSampleId :
CONCRETE-PILE-N-C-LOT

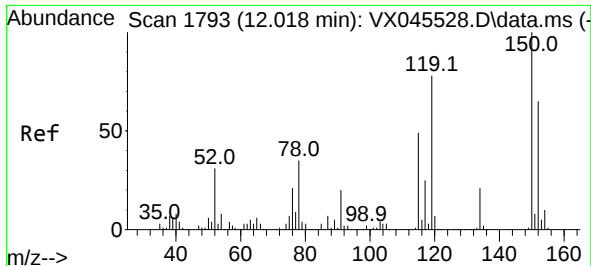
Tgt Ion: 95 Resp: 61315
Ion Ratio Lower Upper
95 100
174 68.1 0.0 135.8
176 63.7 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045896.D
Acq: 22 Apr 2025 19:33

Tgt Ion: 117 Resp: 121609
Ion Ratio Lower Upper
117 100
82 60.7 49.2 73.8
119 31.9 25.1 37.7

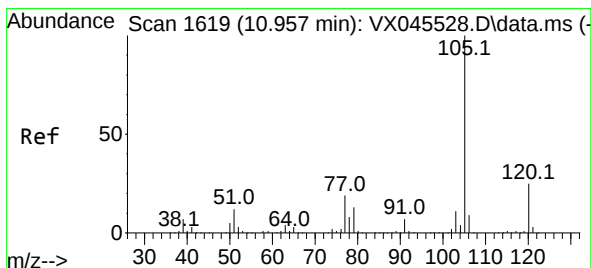
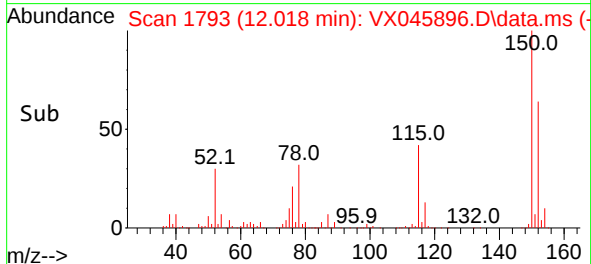
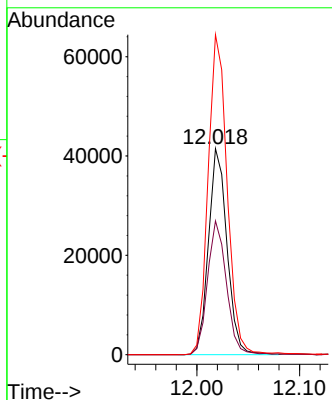
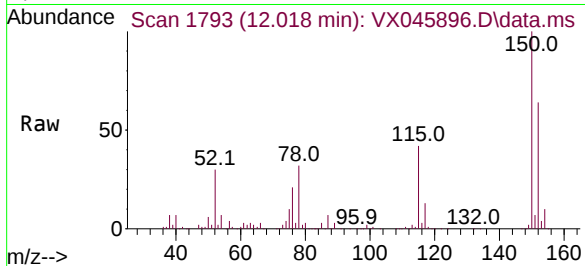




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045896.D
Acq: 22 Apr 2025 19:33

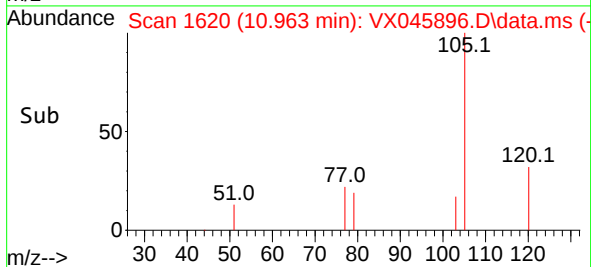
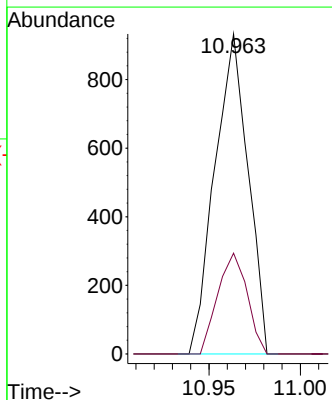
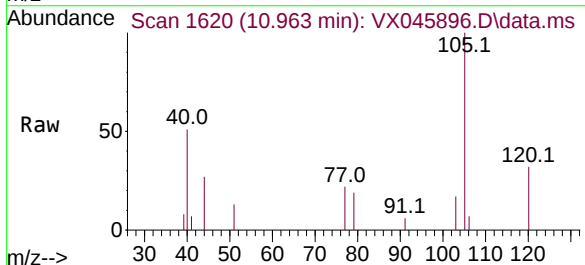
Instrument :
MSVOA_X
ClientSampleId :
CONCRETE-PILE-N-C-LOT

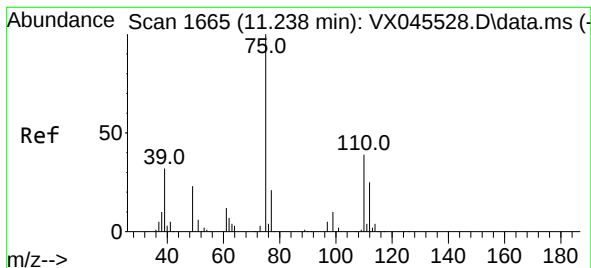
Tgt Ion:152 Resp: 51972
Ion Ratio Lower Upper
152 100
115 66.5 46.9 140.7
150 160.3 0.0 349.4



#73
Isopropylbenzene
Concen: 0.283 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.006 min
Lab File: VX045896.D
Acq: 22 Apr 2025 19:33

Tgt Ion:105 Resp: 1179
Ion Ratio Lower Upper
105 100
120 28.0 12.7 38.0





#76

1,2,3-Trichloropropane

Concen: 27.717 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX045896.D

Acq: 22 Apr 2025 19:33

Instrument :

MSVOA_X

ClientSampleId :

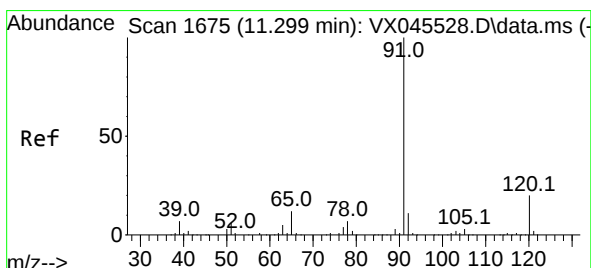
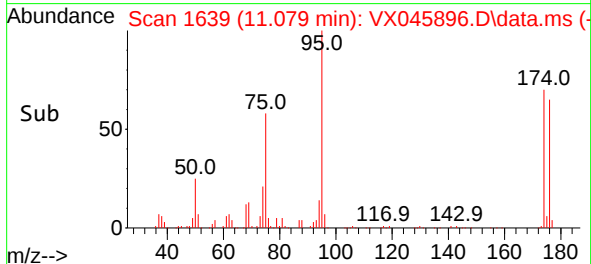
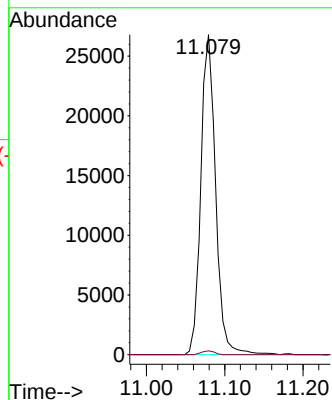
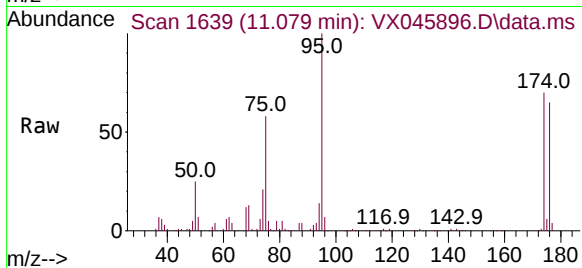
CONCRETE-PILE-N-C-LOT

Tgt Ion: 75 Resp: 35138

Ion Ratio Lower Upper

75 100

77 1.1 20.0 59.9#



#78

n-propylbenzene

Concen: 0.350 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.006 min

Lab File: VX045896.D

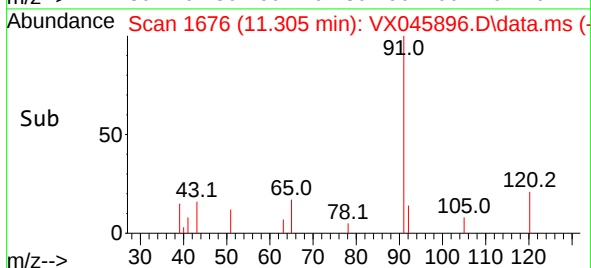
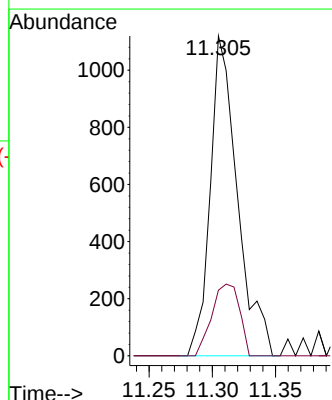
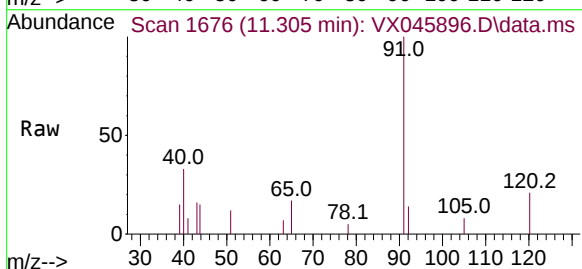
Acq: 22 Apr 2025 19:33

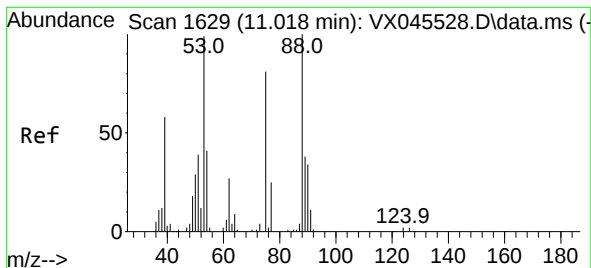
Tgt Ion: 91 Resp: 1677

Ion Ratio Lower Upper

91 100

120 22.8 10.8 32.3

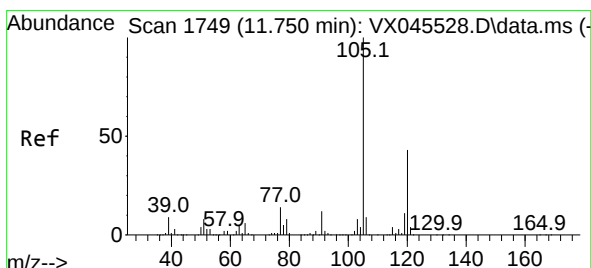
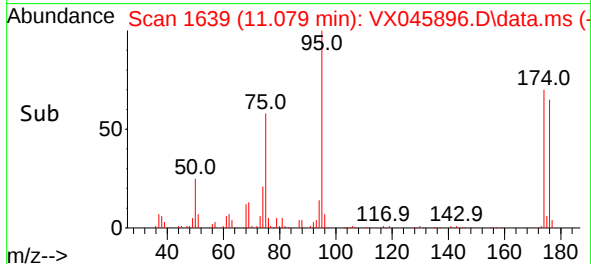
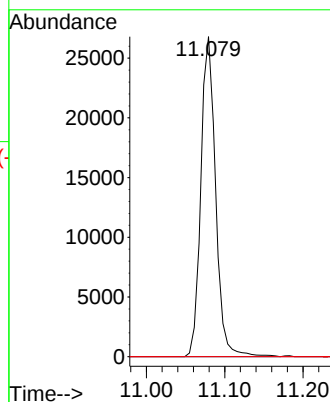
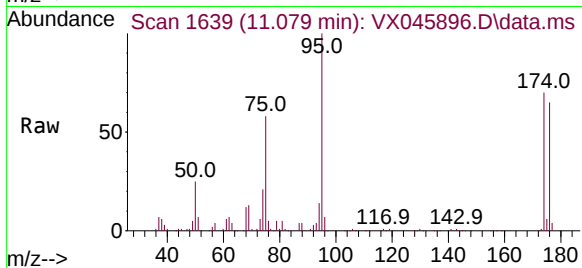




#81
 trans-1,4-Dichloro-2-butene
 Concen: 94.070 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX045896.D
 Acq: 22 Apr 2025 19:33

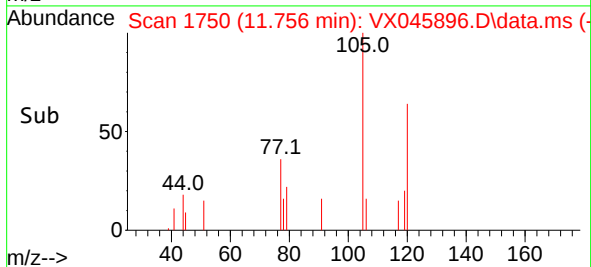
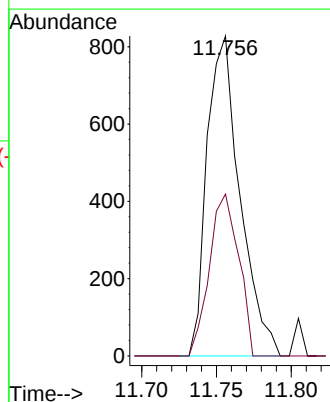
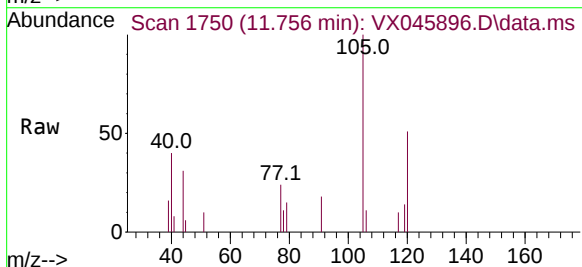
Instrument :
 MSVOA_X
 ClientSampleId :
 CONCRETE-PILE-N-C-LOT

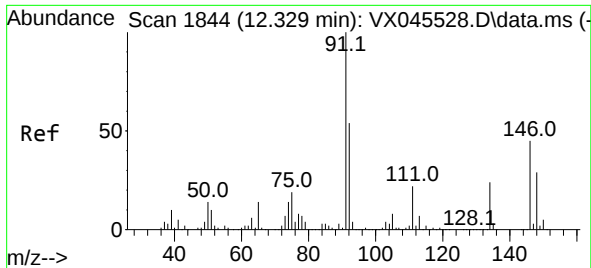
Tgt Ion: 75 Resp: 35138
 Ion Ratio Lower Upper
 75 100
 53 0.0 101.8 152.6#
 89 0.0 37.2 55.8#



#84
 1,2,4-Trimethylbenzene
 Concen: 0.367 ug/l
 RT: 11.756 min Scan# 1750
 Delta R.T. 0.006 min
 Lab File: VX045896.D
 Acq: 22 Apr 2025 19:33

Tgt Ion: 105 Resp: 1269
 Ion Ratio Lower Upper
 105 100
 120 44.8 21.4 64.3

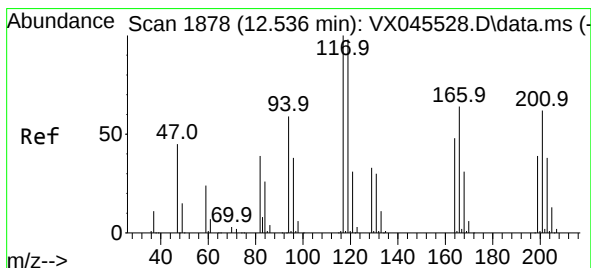
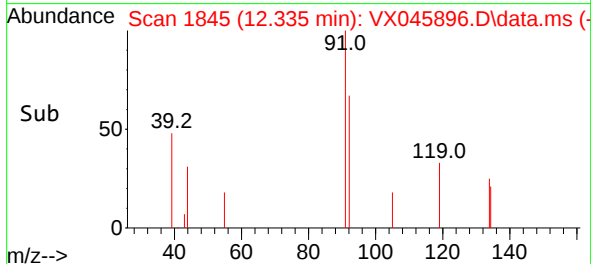
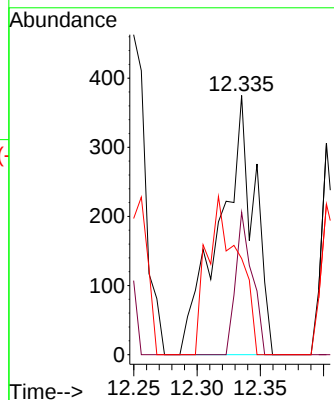
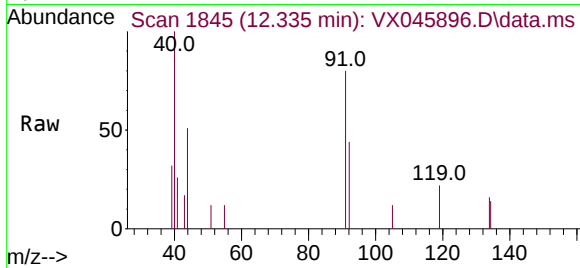




#89
n-Butylbenzene
Concen: 0.240 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX045896.D
Acq: 22 Apr 2025 19:33

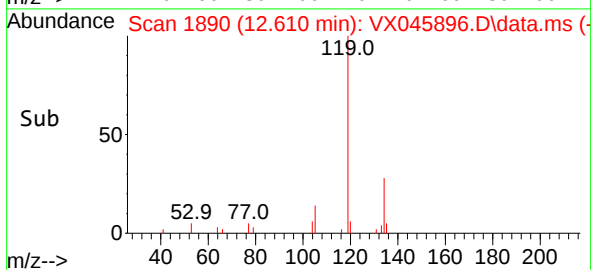
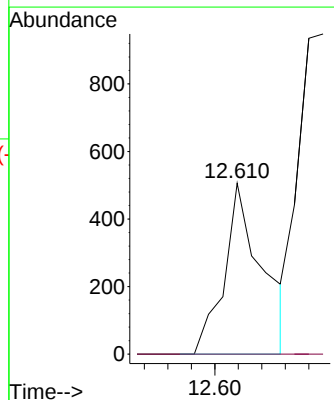
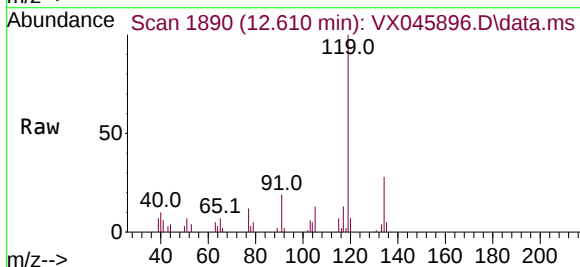
Instrument :
MSVOA_X
ClientSampleId :
CONCRETE-PILE-N-C-LOT

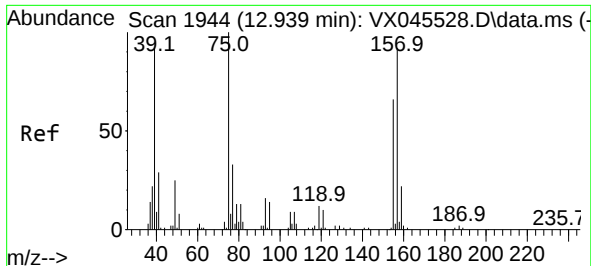
Tgt Ion: 91 Resp: 718
Ion Ratio Lower Upper
91 100
92 26.2 26.9 80.6#
134 54.7 11.9 35.7#



#90
Hexachloroethane
Concen: 0.946 ug/l
RT: 12.610 min Scan# 1890
Delta R.T. 0.073 min
Lab File: VX045896.D
Acq: 22 Apr 2025 19:33

Tgt Ion: 117 Resp: 561
Ion Ratio Lower Upper
117 100
201 0.0 31.2 93.6#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.383 ug/l

RT: 13.164 min Scan# 1944

Delta R.T. 0.226 min

Lab File: VX045896.D

Acq: 22 Apr 2025 19:33

Instrument :

MSVOA_X

ClientSampleId :

CONCRETE-PILE-N-C-LOT

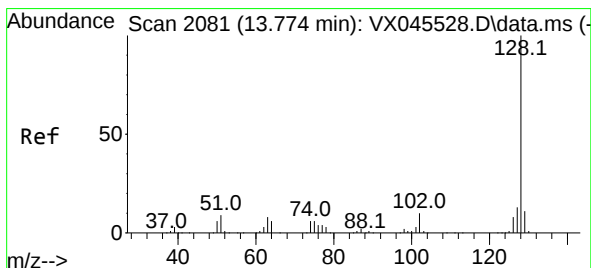
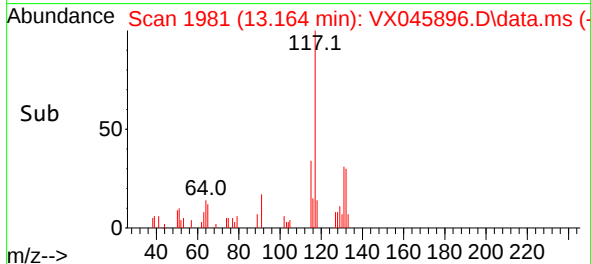
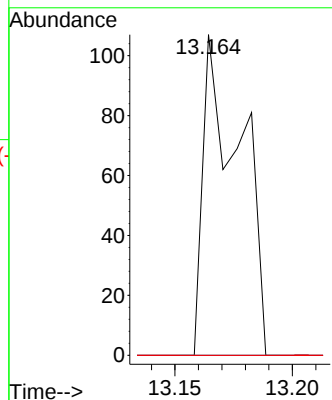
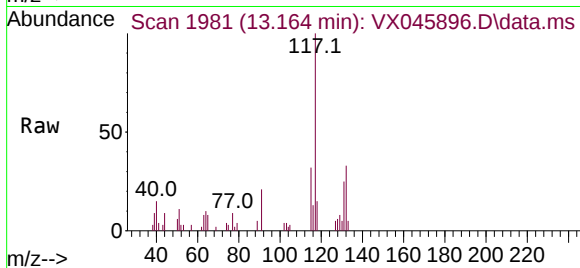
Tgt Ion: 75 Resp: 117

Ion Ratio Lower Upper

75 100

155 0.0 34.9 104.7#

157 0.0 44.9 134.7#



#95

Naphthalene

Concen: 1.488 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX045896.D

Acq: 22 Apr 2025 19:33

Tgt Ion: 128 Resp: 5365

Ion Ratio Lower Upper

128 100

127 13.8 10.3 15.5

129 13.3 8.6 12.8#

