

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111125\
 Data File : VN088254.D
 Acq On : 11 Nov 2025 14:04
 Operator : JC\MD
 Sample : Q3598-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EO-CONCRETE

Quant Time: Nov 12 01:15:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 03 01:16:06 2025
 Response via : Initial Calibration

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

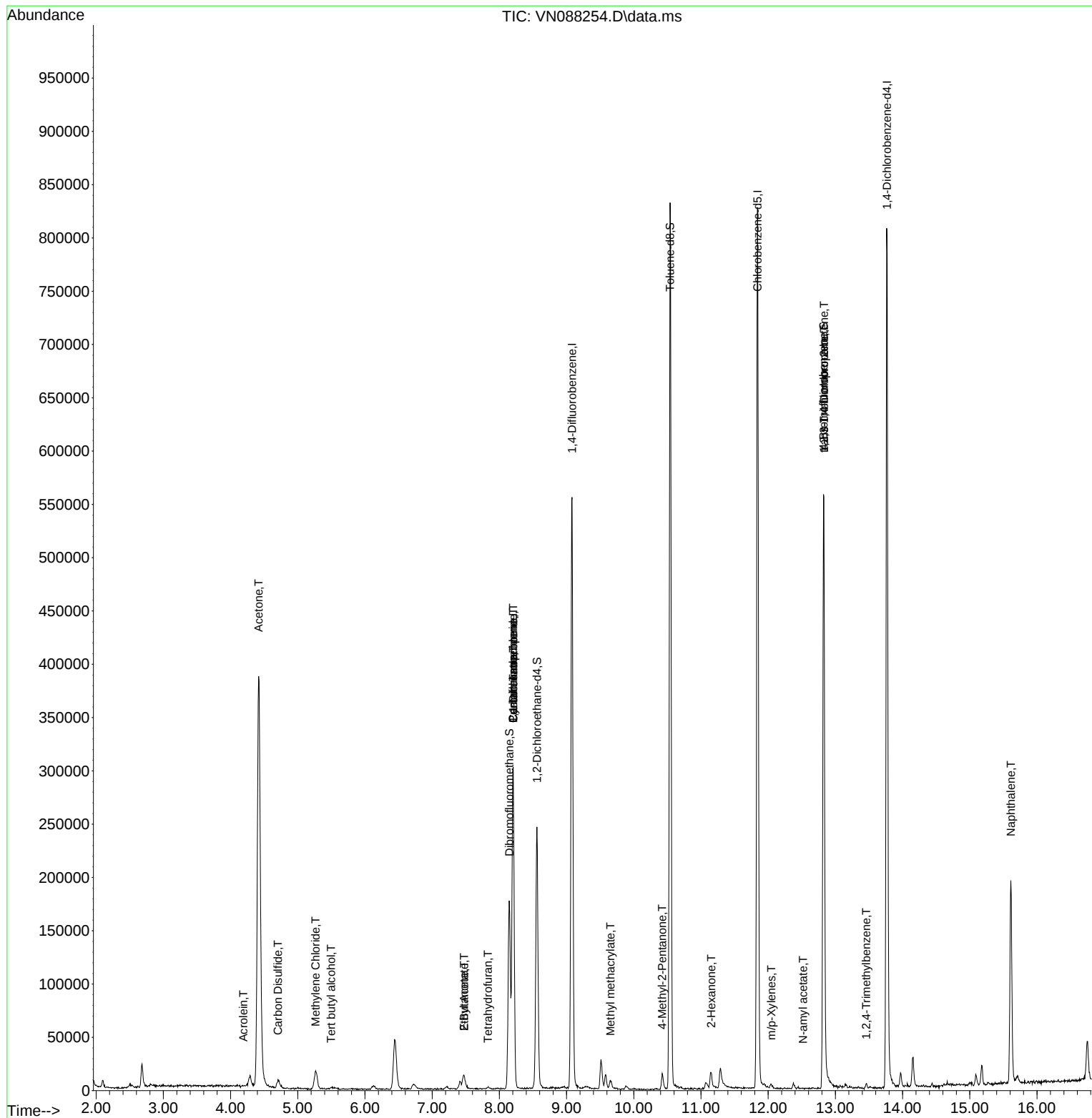
Internal Standards						
1) Pentafluorobenzene	8.206	168	203293	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	455835	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	446615	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	210269	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	200071	56.913	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.820%			
35) Dibromofluoromethane	8.147	113	127192	41.534	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 83.060%			
50) Toluene-d8	10.541	98	547363	46.388	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.780%			
62) 4-Bromofluorobenzene	12.823	95	211483	50.749	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.500%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.494	59	1364	2.252	ug/l #	85
13) Acrolein	4.189	56	199	0.292	ug/l #	75
16) Acetone	4.418	43	796435	450.965	ug/l	99
17) Carbon Disulfide	4.706	76	3016	0.388	ug/l #	89
20) Methylene Chloride	5.265	84	13563	4.575	ug/l	90
25) 2-Butanone	7.477	43	23452	10.076	ug/l	98
29) Tetrahydrofuran	7.829	42	1372	0.905	ug/l #	65
31) Cyclohexane	8.206	56	6363	1.293	ug/l #	1
36) 1,1-Dichloropropene	8.206	75	19897	4.450	ug/l #	53
37) Ethyl Acetate	7.477	43	23452	4.064	ug/l #	72
38) Carbon Tetrachloride	8.206	117	24266	5.254	ug/l #	15
48) Methyl methacrylate	9.653	41	2624	0.641	ug/l #	42
51) 4-Methyl-2-Pentanone	10.423	43	12327	2.350	ug/l	93
59) 2-Hexanone	11.153	43	15019	4.316	ug/l #	26
68) m/p-Xylenes	12.047	106	1535	0.230	ug/l	74
74) N-amyl acetate	12.517	43	957	0.208	ug/l #	57
76) 1,2,3-Trichloropropane	12.829	75	121100	25.190	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	121100	70.269	ug/l #	1
84) 1,2,4-Trimethylbenzene	13.459	105	3105	0.230	ug/l	79
95) Naphthalene	15.611	128	171414	12.277	ug/l	99

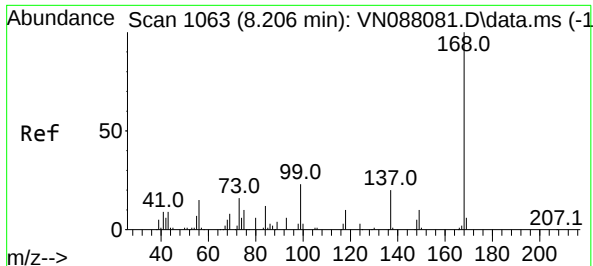
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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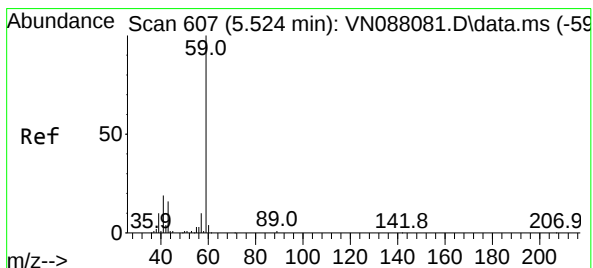
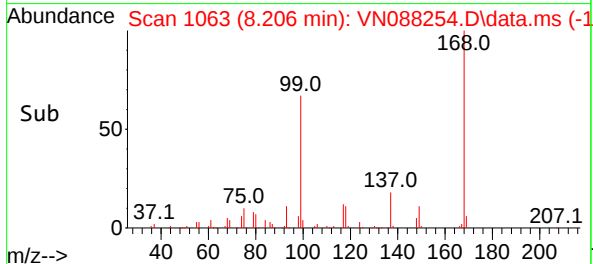
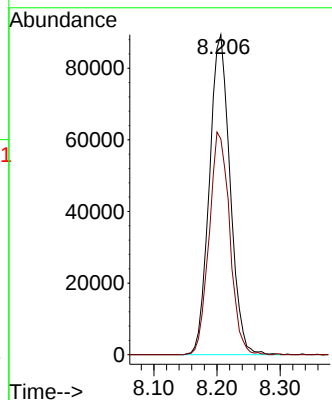
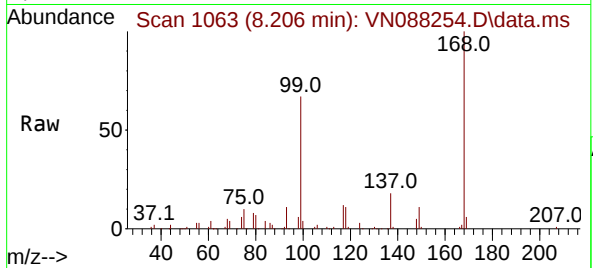




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VN088254.D
Acq: 11 Nov 2025 14:04

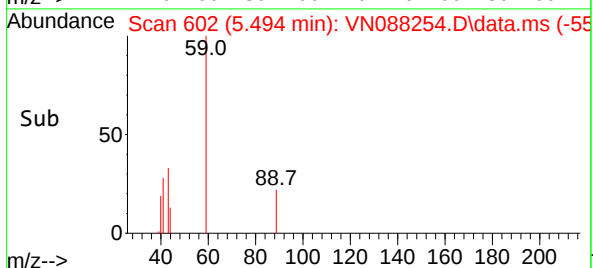
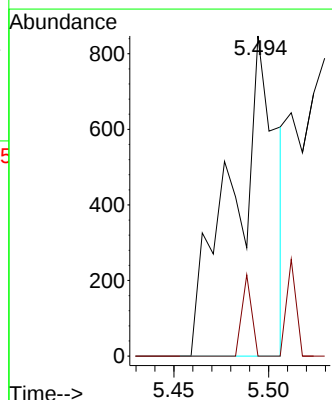
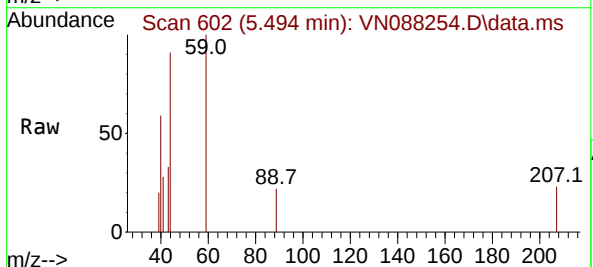
Instrument :
MSVOA_N
ClientSampleId :
EO-CONCRETE

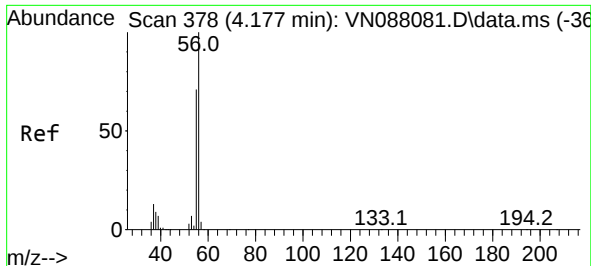
Tgt Ion:168 Resp: 203293
Ion Ratio Lower Upper
168 100
99 67.4 57.2 85.8



#11
Tert butyl alcohol
Concen: 2.252 ug/l
RT: 5.494 min Scan# 602
Delta R.T. -0.024 min
Lab File: VN088254.D
Acq: 11 Nov 2025 14:04

Tgt Ion: 59 Resp: 1364
Ion Ratio Lower Upper
59 100
57 5.6 9.0 13.4#

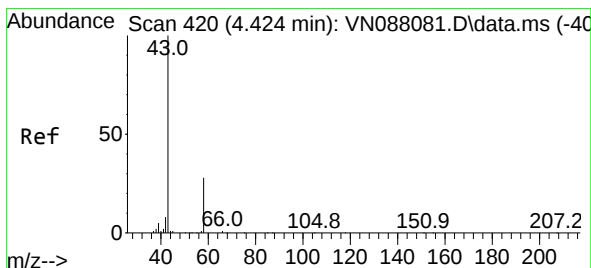
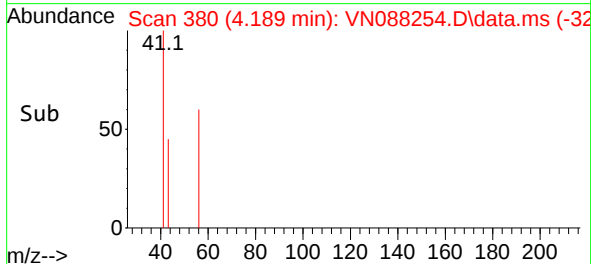
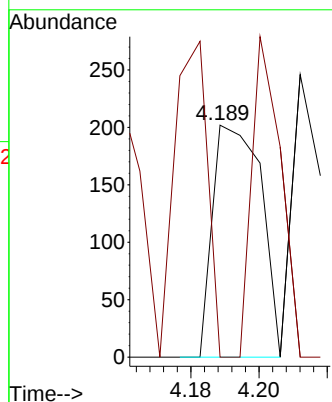
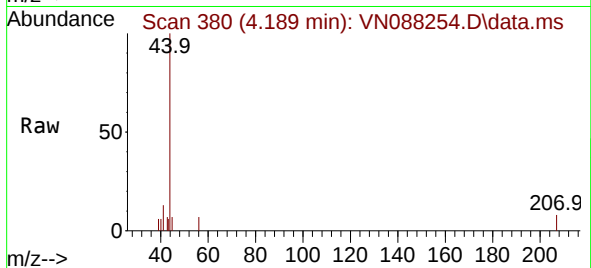




#13
Acrolein
Concen: 0.292 ug/l
RT: 4.189 min Scan# 319
Delta R.T. 0.017 min
Lab File: VN088254.D
Acq: 11 Nov 2025 14:04

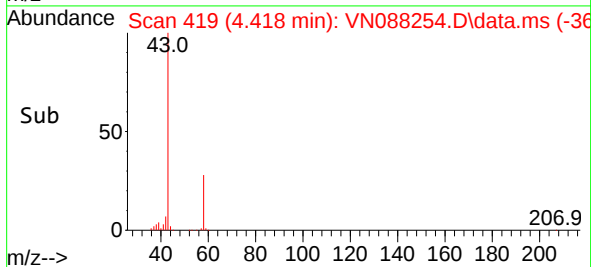
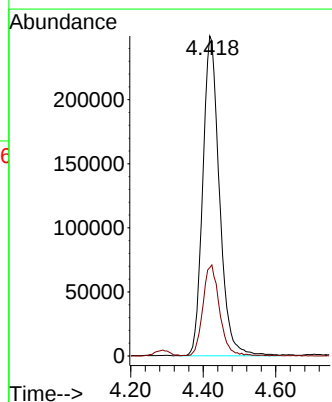
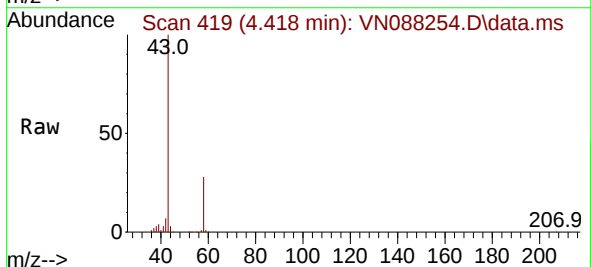
Instrument :
MSVOA_N
ClientSampleId :
EO-CONCRETE

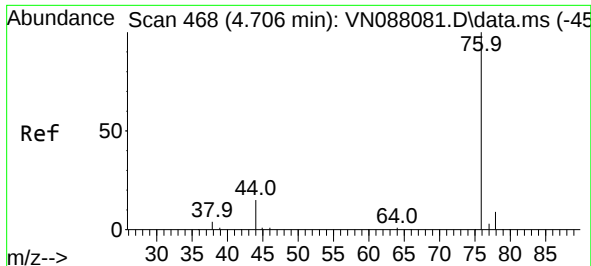
Tgt Ion: 56 Resp: 199
Ion Ratio Lower Upper
56 100
55 92.5 57.3 85.9#



#16
Acetone
Concen: 450.965 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.006 min
Lab File: VN088254.D
Acq: 11 Nov 2025 14:04

Tgt Ion: 43 Resp: 796435
Ion Ratio Lower Upper
43 100
58 27.5 22.6 33.8

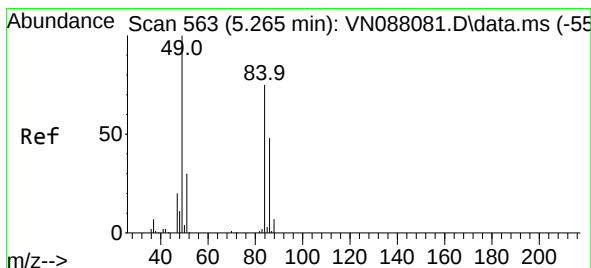
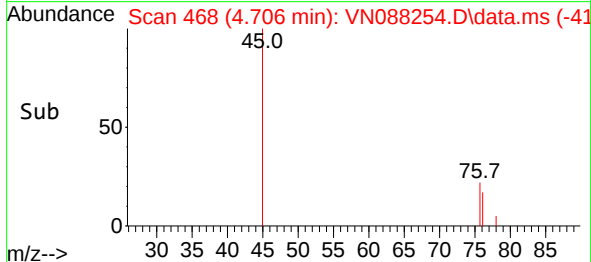
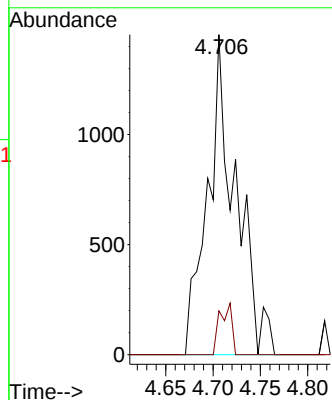
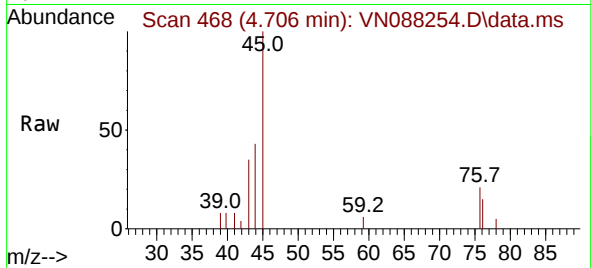




#17
Carbon Disulfide
Concen: 0.388 ug/l
RT: 4.706 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN088254.D
Acq: 11 Nov 2025 14:04

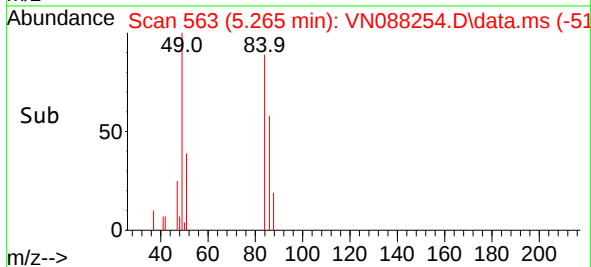
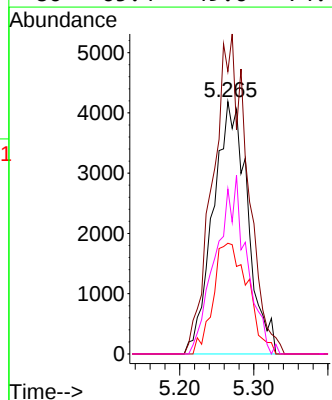
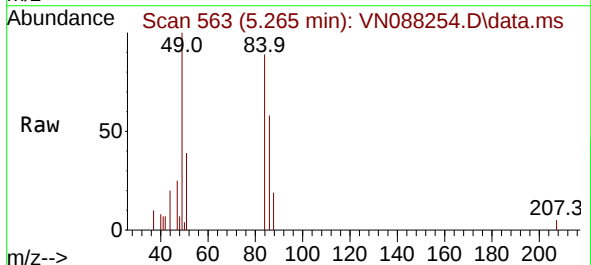
Instrument :
MSVOA_N
ClientSampleId :
EO-CONCRETE

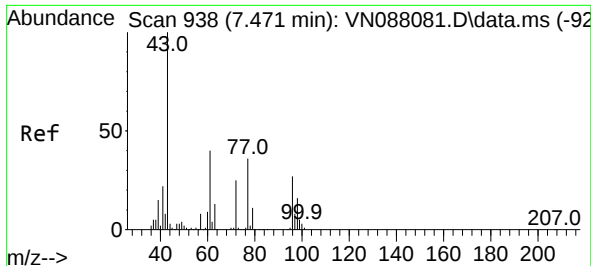
Tgt Ion: 76 Resp: 3016
Ion Ratio Lower Upper
76 100
78 13.7 7.6 11.4#



#20
Methylene Chloride
Concen: 4.575 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.000 min
Lab File: VN088254.D
Acq: 11 Nov 2025 14:04

Tgt Ion: 84 Resp: 13563
Ion Ratio Lower Upper
84 100
49 111.9 103.4 155.2
51 43.9 33.8 50.8
86 65.4 49.6 74.4

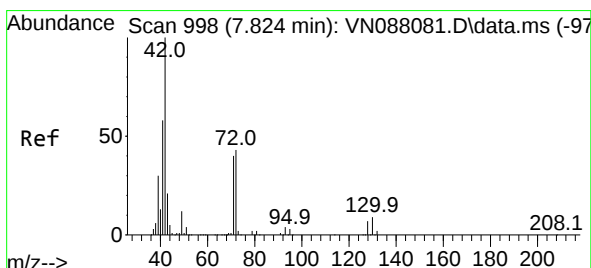
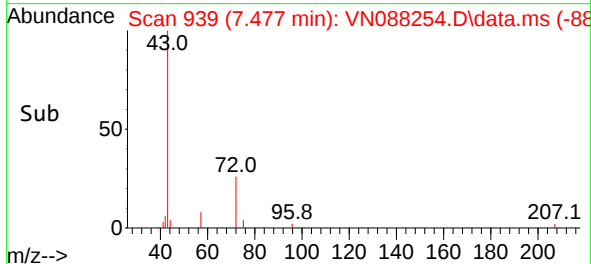
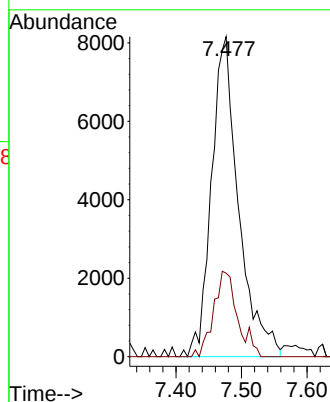
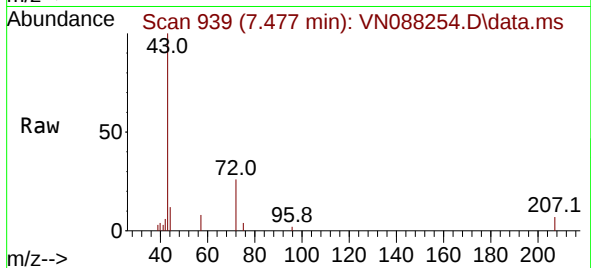




#25
2-Butanone
Concen: 10.076 ug/l
RT: 7.477 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN088254.D
Acq: 11 Nov 2025 14:04

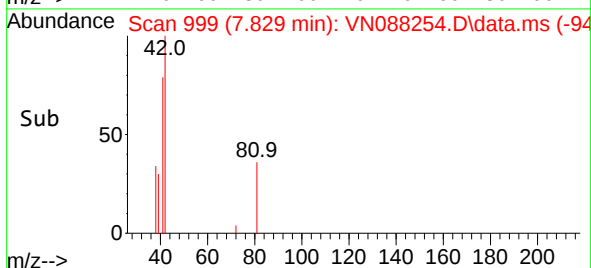
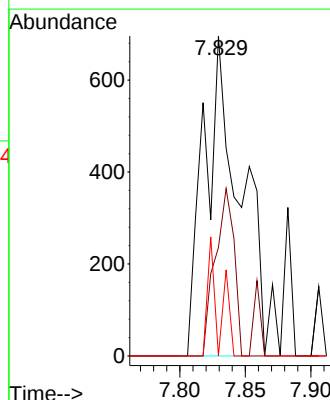
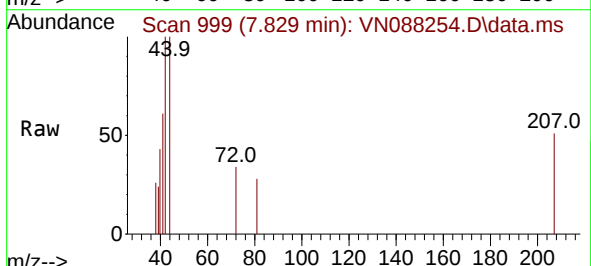
Instrument :
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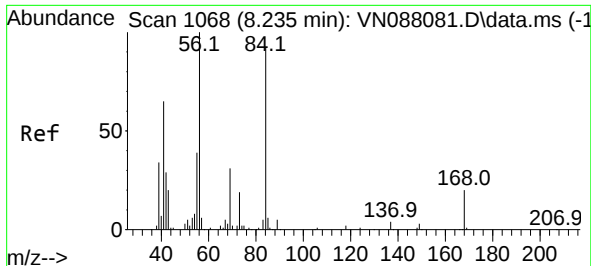
Tgt Ion: 43 Resp: 23452
Ion Ratio Lower Upper
43 100
72 26.1 19.9 29.9



#29
Tetrahydrofuran
Concen: 0.905 ug/l
RT: 7.829 min Scan# 999
Delta R.T. 0.006 min
Lab File: VN088254.D
Acq: 11 Nov 2025 14:04

Tgt Ion: 42 Resp: 1372
Ion Ratio Lower Upper
42 100
72 26.6 33.7 50.5#
71 11.4 31.9 47.9#

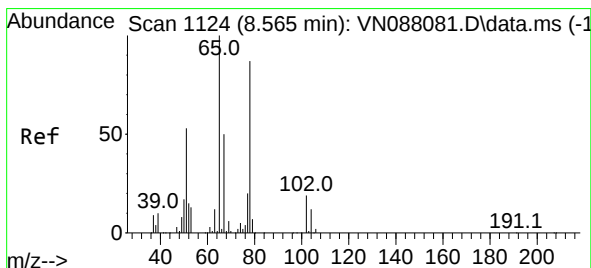
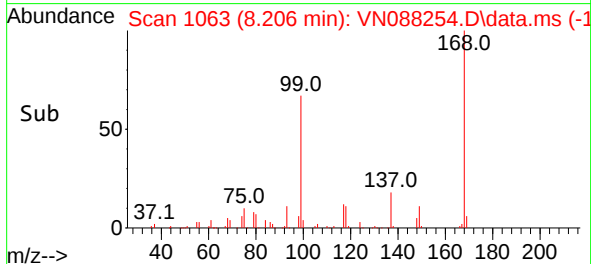
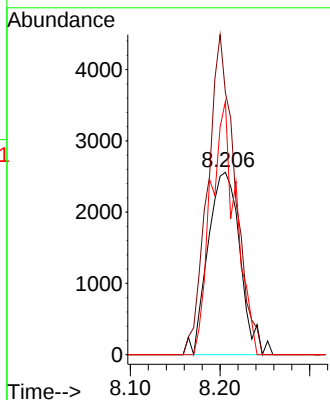
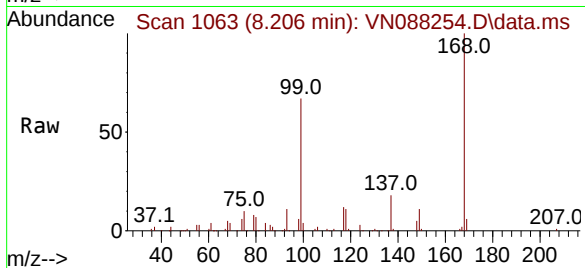




#31
Cyclohexane
Concen: 1.293 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.030 min
Lab File: VN088254.D
Acq: 11 Nov 2025 14:04

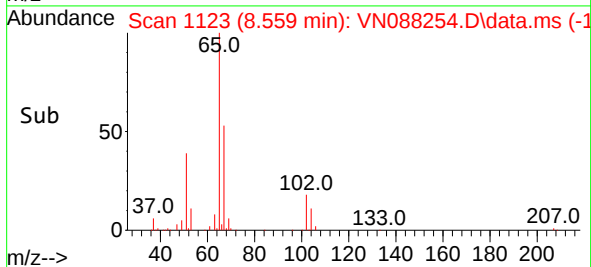
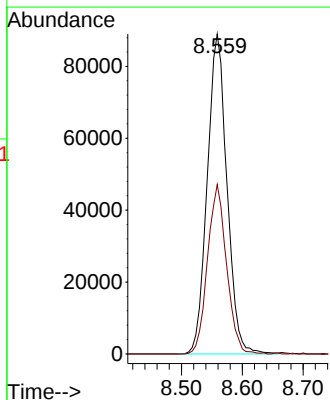
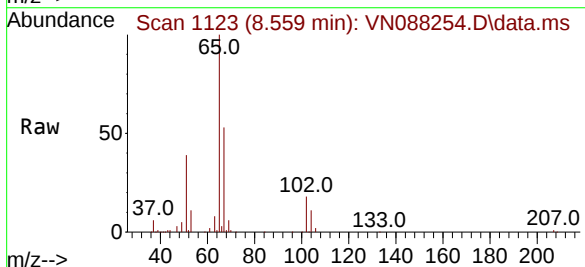
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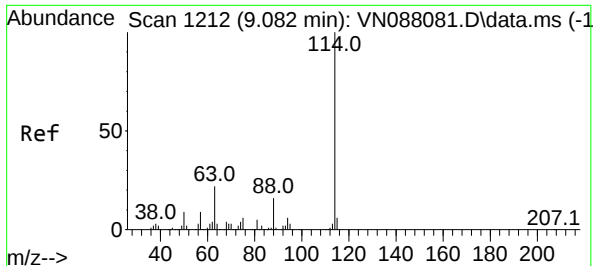
Tgt Ion: 56 Resp: 6363
Ion Ratio Lower Upper
56 100
69 143.7 23.7 35.5#
84 138.8 64.7 97.1#



#33
1,2-Dichloroethane-d4
Concen: 56.913 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088254.D
Acq: 11 Nov 2025 14:04

Tgt Ion: 65 Resp: 200071
Ion Ratio Lower Upper
65 100
67 51.1 0.0 100.0

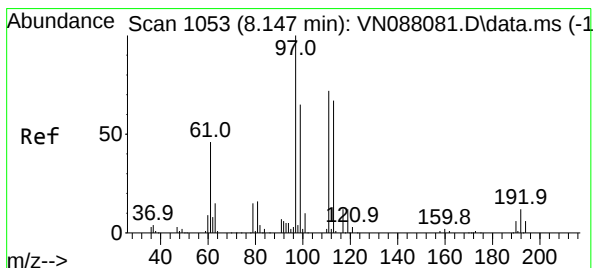
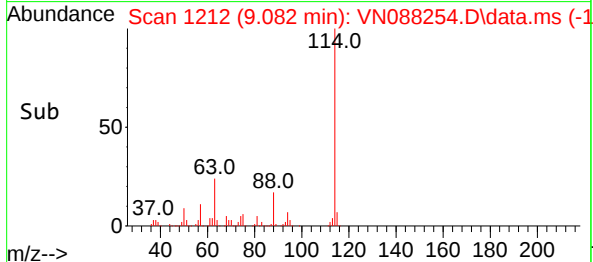
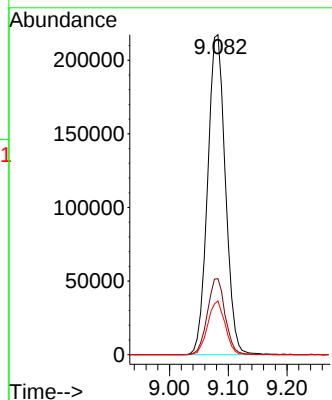
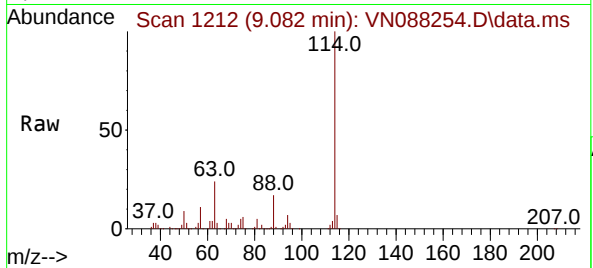




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN088254.D
Acq: 11 Nov 2025 14:04

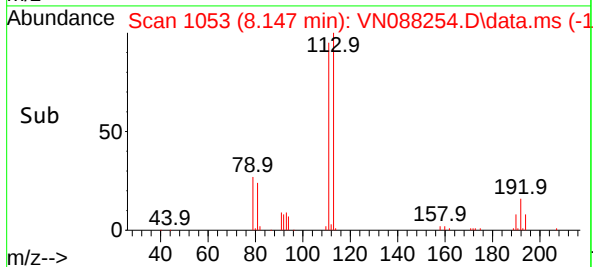
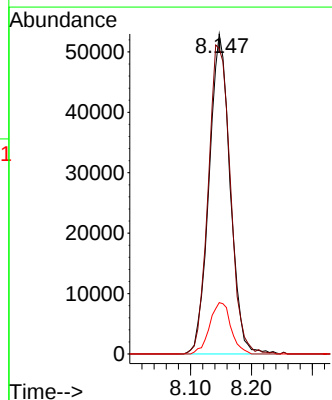
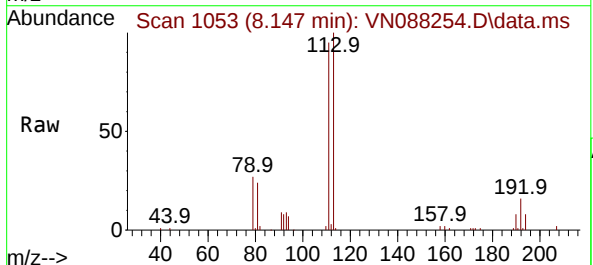
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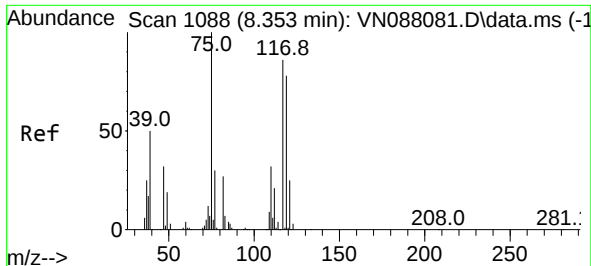
Tgt Ion:114 Resp: 455835
Ion Ratio Lower Upper
114 100
63 23.7 0.0 45.2
88 16.8 0.0 33.4



#35
Dibromofluoromethane
Concen: 41.534 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN088254.D
Acq: 11 Nov 2025 14:04

Tgt Ion:113 Resp: 127192
Ion Ratio Lower Upper
113 100
111 101.5 82.8 124.2
192 16.2 12.8 19.2





#36

1,1-Dichloropropene

Concen: 4.450 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.147 min

Lab File: VN088254.D

Acq: 11 Nov 2025 14:04

Instrument :

MSVOA_N

ClientSampleId :

EO-CONCRETE

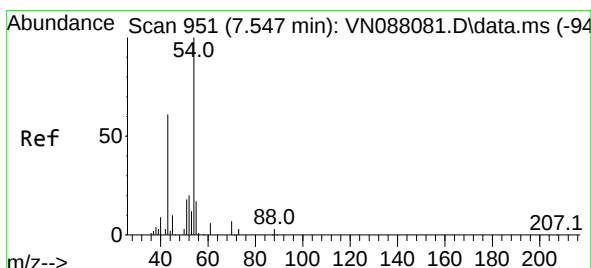
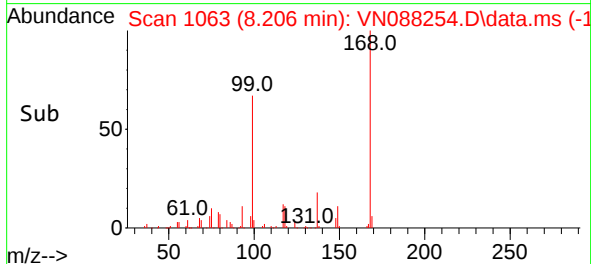
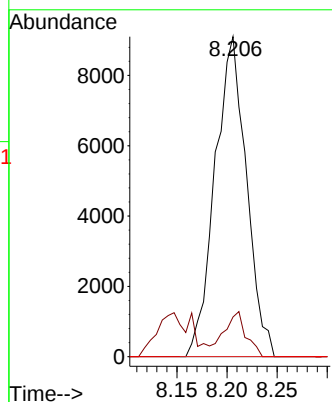
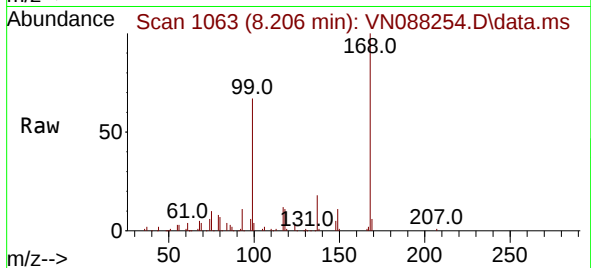
Tgt Ion: 75 Resp: 19897

Ion Ratio Lower Upper

75 100

110 9.8 15.9 47.6#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 4.064 ug/l

RT: 7.477 min Scan# 939

Delta R.T. -0.071 min

Lab File: VN088254.D

Acq: 11 Nov 2025 14:04

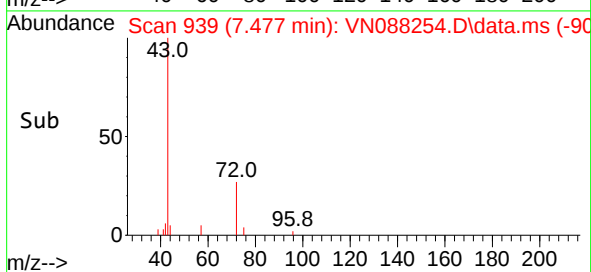
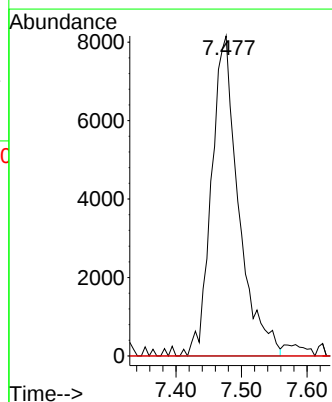
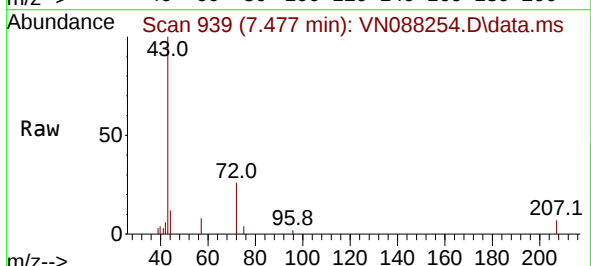
Tgt Ion: 43 Resp: 23452

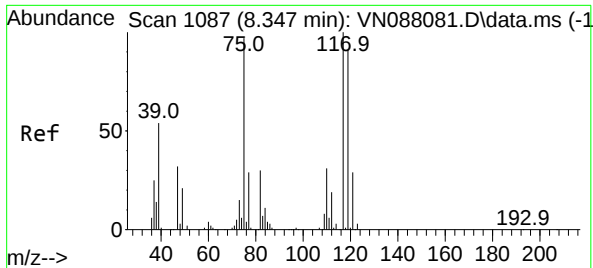
Ion Ratio Lower Upper

43 100

61 0.0 9.3 13.9#

70 0.0 7.0 10.6#

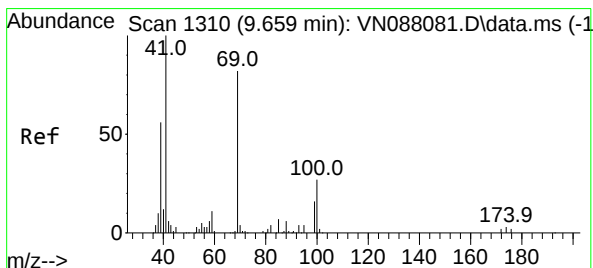
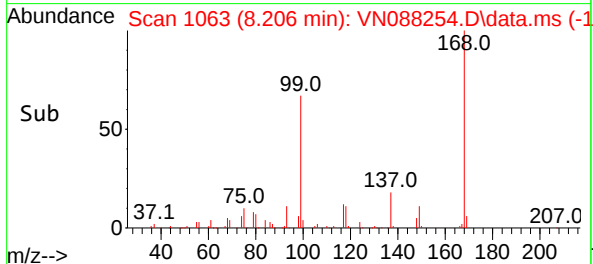
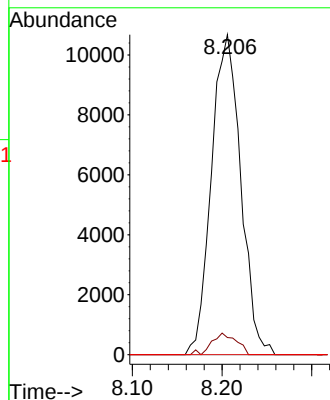
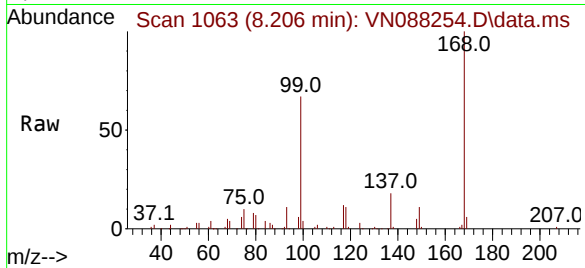




#38
Carbon Tetrachloride
Concen: 5.254 ug/l
RT: 8.206 min Scan# 117
Delta R.T. -0.135 min
Lab File: VN088254.D
Acq: 11 Nov 2025 14:04

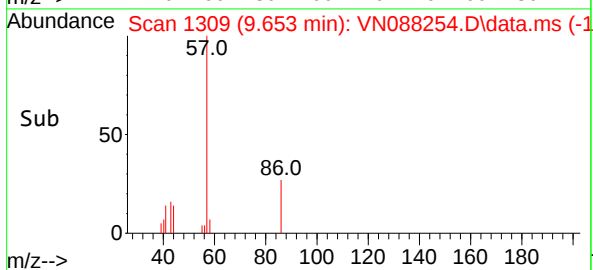
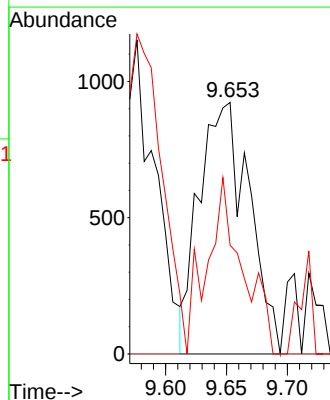
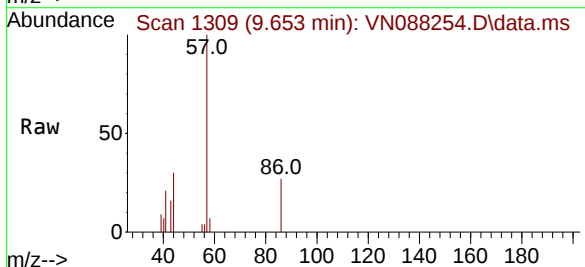
Instrument :
MSVOA_N
ClientSampleId :
EO-CONCRETE

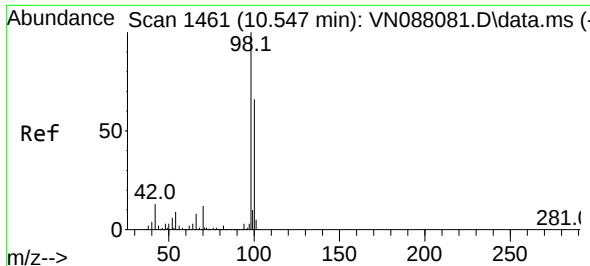
Tgt Ion:117 Resp: 24266
Ion Ratio Lower Upper
117 100
119 5.3 79.0 118.6#
121 0.0 25.0 37.6#



#48
Methyl methacrylate
Concen: 0.641 ug/l
RT: 9.653 min Scan# 1309
Delta R.T. -0.012 min
Lab File: VN088254.D
Acq: 11 Nov 2025 14:04

Tgt Ion: 41 Resp: 2624
Ion Ratio Lower Upper
41 100
69 0.0 62.7 94.1#
39 50.1 52.9 79.3#

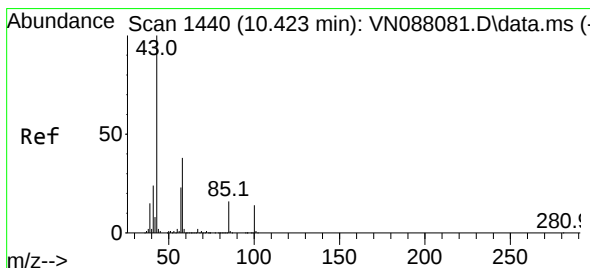
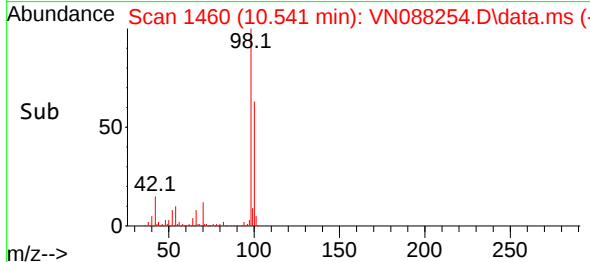
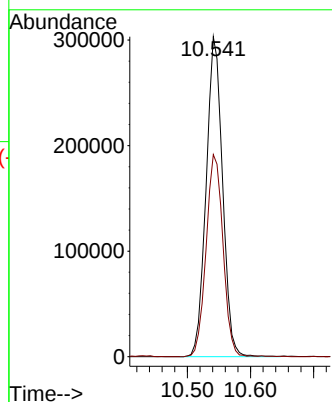
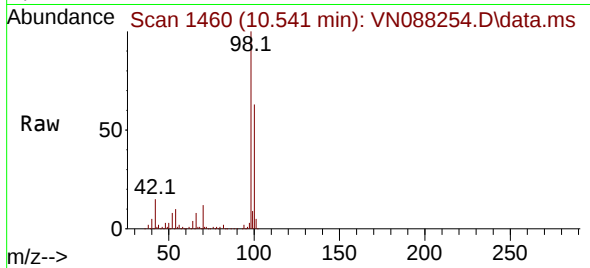




#50
Toluene-d8
Concen: 46.388 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088254.D
Acq: 11 Nov 2025 14:04

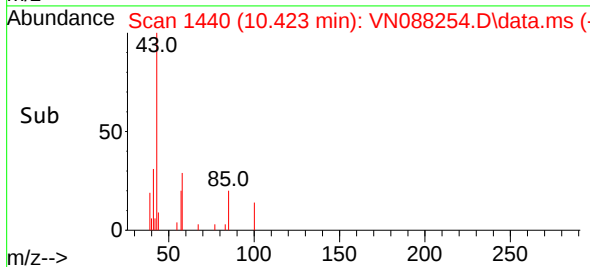
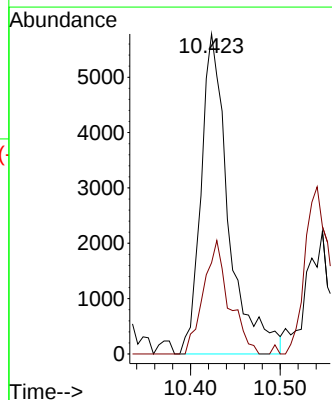
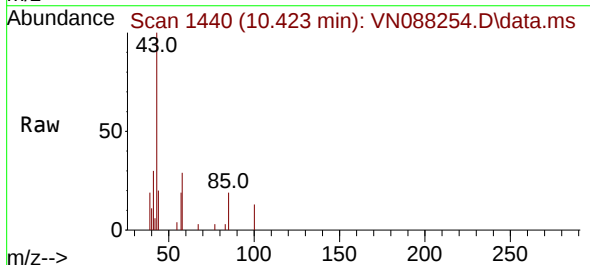
Instrument :
MSVOA_N
ClientSampleId :
EO-CONCRETE

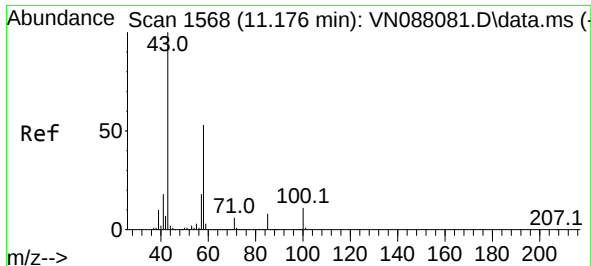
Tgt Ion: 98 Resp: 547363
Ion Ratio Lower Upper
98 100
100 64.9 52.8 79.2



#51
4-Methyl-2-Pentanone
Concen: 2.350 ug/l
RT: 10.423 min Scan# 1440
Delta R.T. -0.000 min
Lab File: VN088254.D
Acq: 11 Nov 2025 14:04

Tgt Ion: 43 Resp: 12327
Ion Ratio Lower Upper
43 100
58 33.1 29.6 44.4

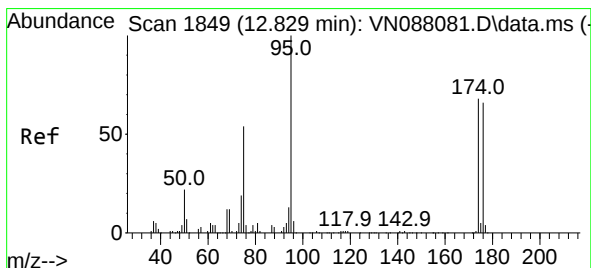
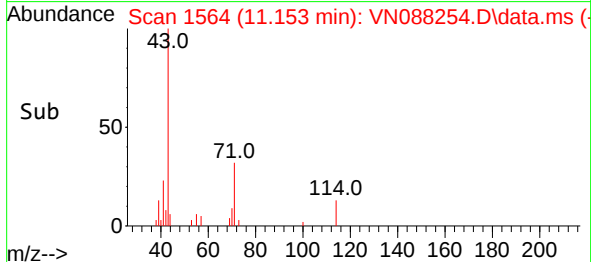
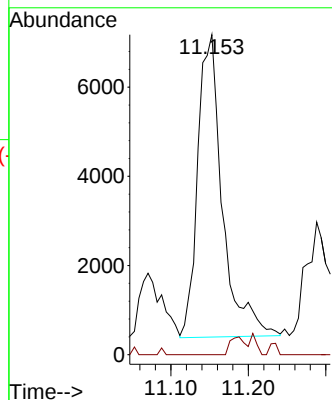
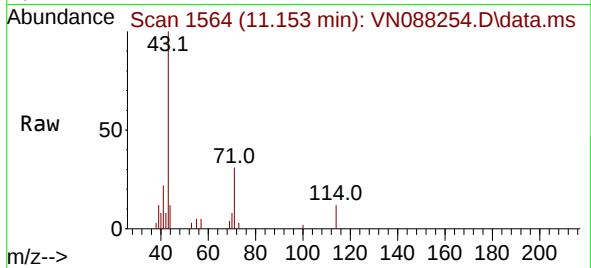




#59
2-Hexanone
Concen: 4.316 ug/l
RT: 11.153 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN088254.D
Acq: 11 Nov 2025 14:04

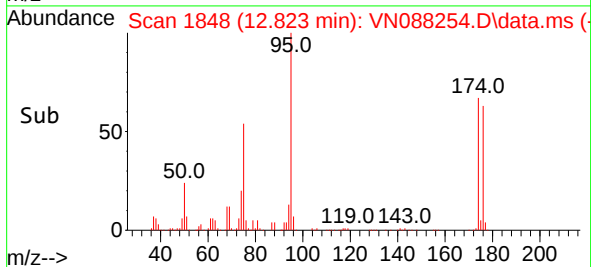
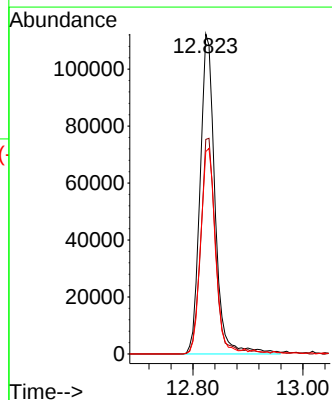
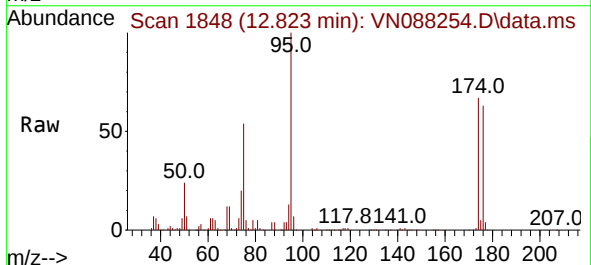
Instrument :
MSVOA_N
ClientSampleId :
EO-CONCRETE

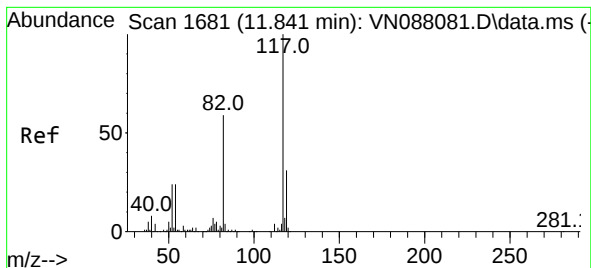
Tgt Ion: 43 Resp: 15019
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 50.749 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. -0.000 min
Lab File: VN088254.D
Acq: 11 Nov 2025 14:04

Tgt Ion: 95 Resp: 211483
Ion Ratio Lower Upper
95 100
174 66.8 0.0 138.4
176 63.6 0.0 132.6

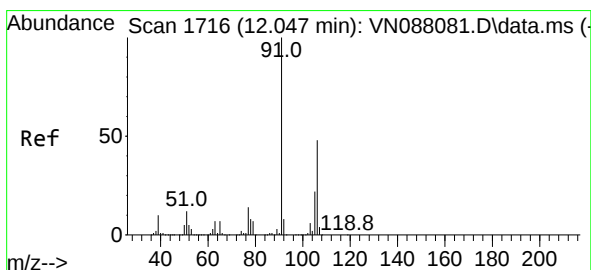
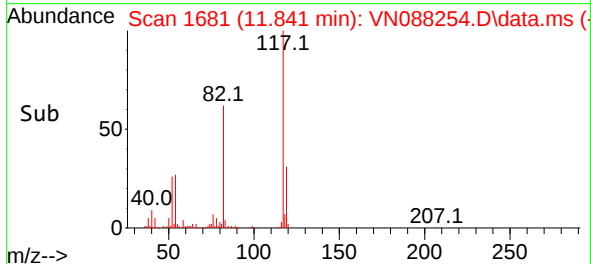
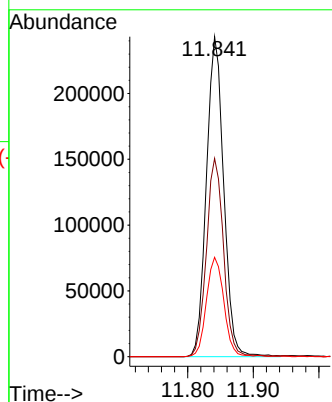
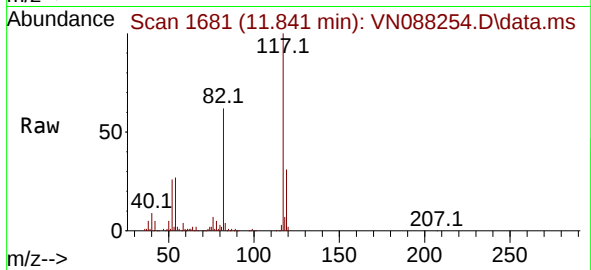




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VN088254.D
Acq: 11 Nov 2025 14:04

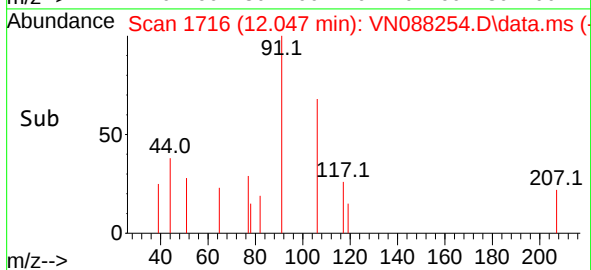
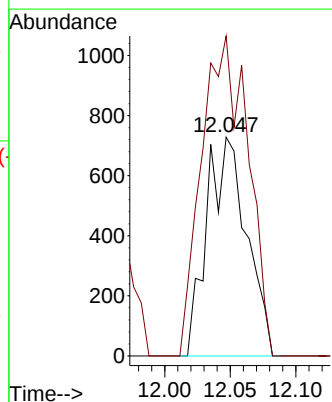
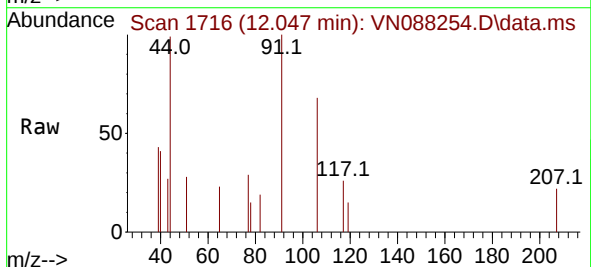
Instrument :
MSVOA_N
ClientSampleId :
EO-CONCRETE

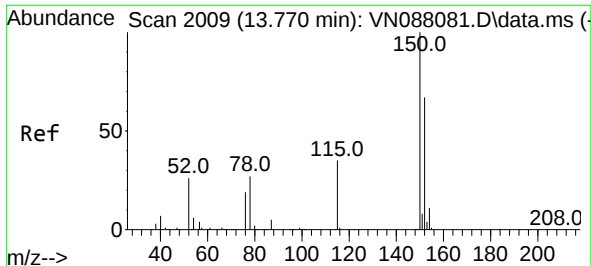
Tgt Ion:117 Resp: 446615
Ion Ratio Lower Upper
117 100
82 62.0 47.4 71.2
119 31.1 24.3 36.5



#68
m/p-Xylenes
Concen: 0.230 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VN088254.D
Acq: 11 Nov 2025 14:04

Tgt Ion:106 Resp: 1535
Ion Ratio Lower Upper
106 100
91 170.9 169.3 253.9

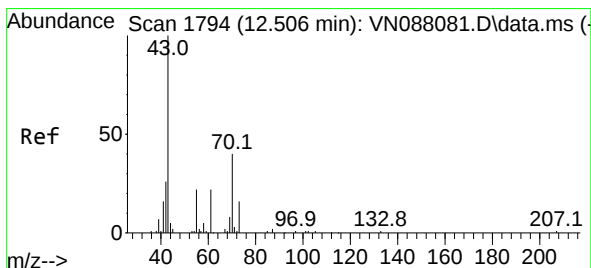
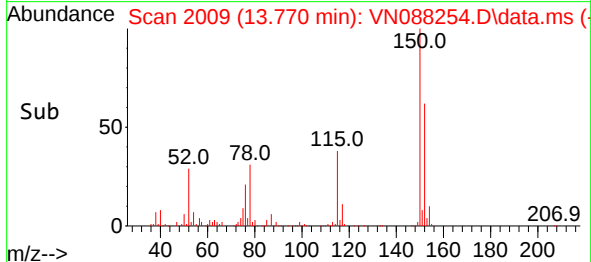
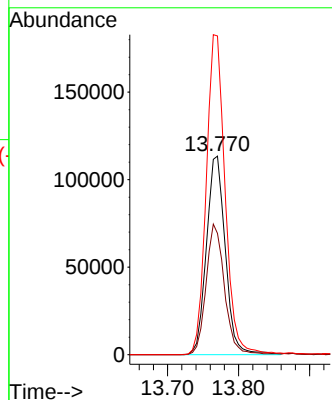
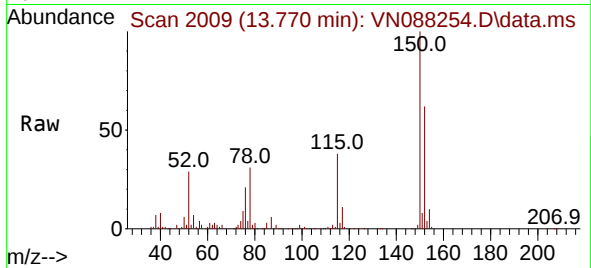




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN088254.D
Acq: 11 Nov 2025 14:04

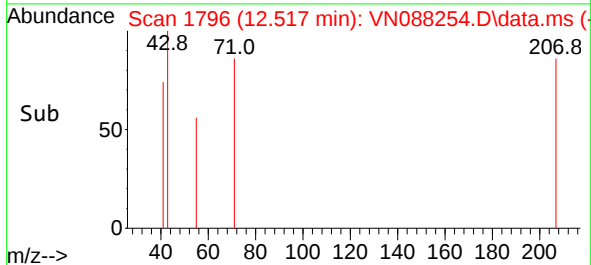
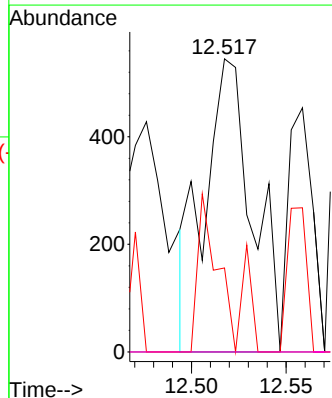
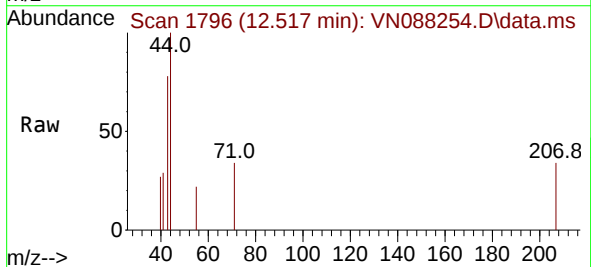
Instrument :
MSVOA_N
ClientSampleId :
EO-CONCRETE

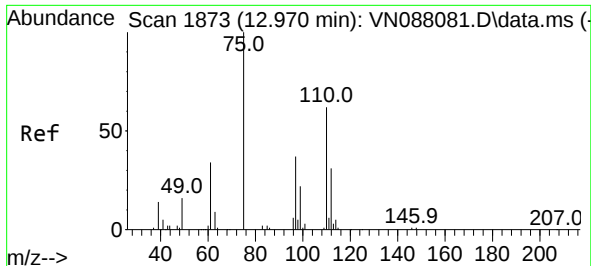
Tgt Ion:152 Resp: 210269
Ion Ratio Lower Upper
152 100
115 63.9 32.3 96.8
150 160.5 0.0 351.0



#74
N-ethyl acetate
Concen: 0.208 ug/l
RT: 12.517 min Scan# 1796
Delta R.T. 0.017 min
Lab File: VN088254.D
Acq: 11 Nov 2025 14:04

Tgt Ion: 43 Resp: 957
Ion Ratio Lower Upper
43 100
70 0.0 27.6 41.4#
55 22.3 13.0 19.6#
61 0.0 13.0 19.6#

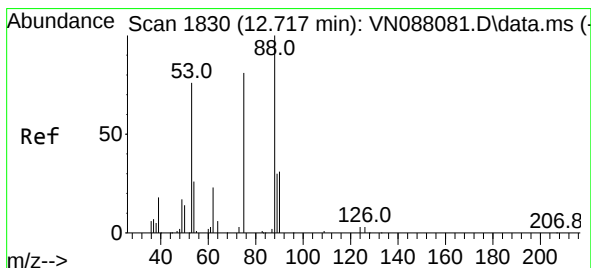
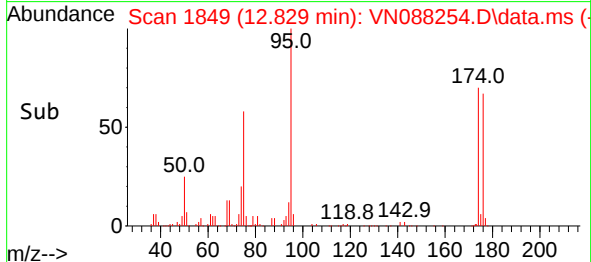
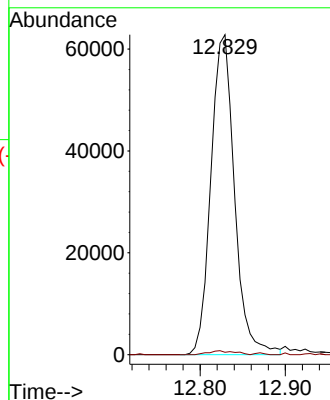
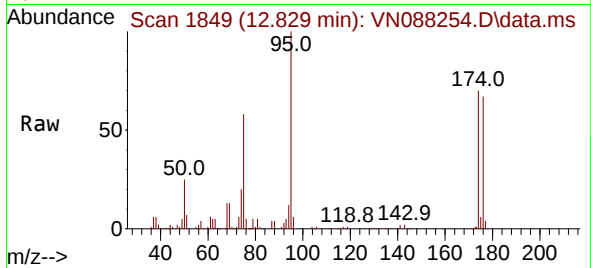




#76
1,2,3-Trichloropropane
Concen: 25.190 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN088254.D
Acq: 11 Nov 2025 14:04

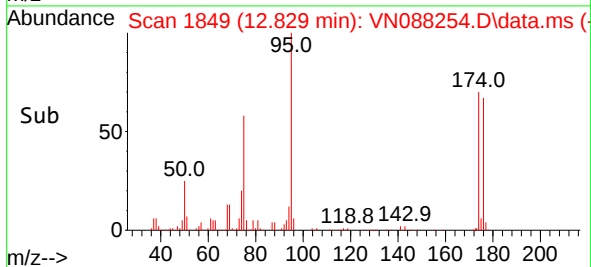
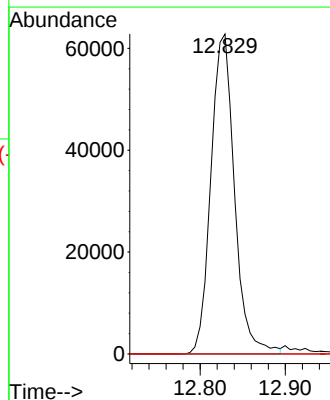
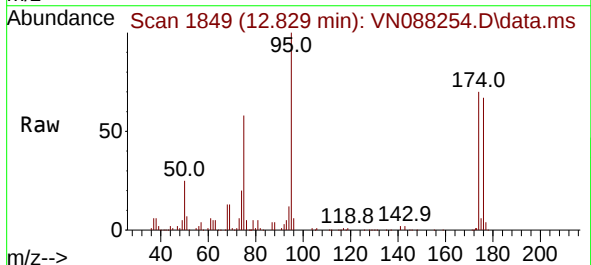
Instrument :
MSVOA_N
ClientSampleId :
EO-CONCRETE

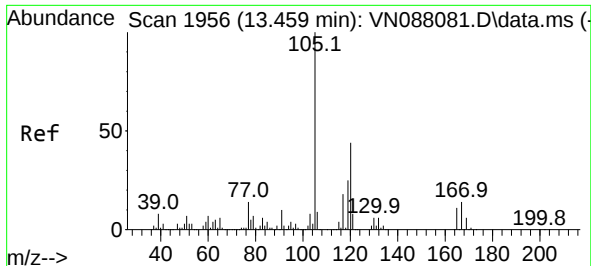
Tgt Ion: 75 Resp: 121100
Ion Ratio Lower Upper
75 100
77 1.4 89.1 267.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.269 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN088254.D
Acq: 11 Nov 2025 14:04

Tgt Ion: 75 Resp: 121100
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 35.6 53.4#

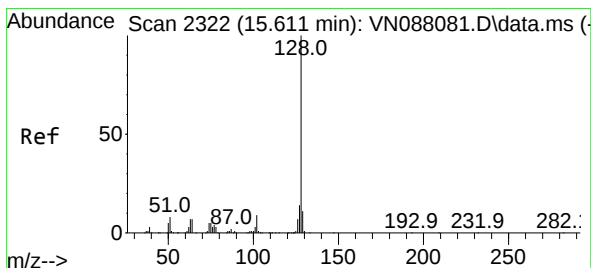
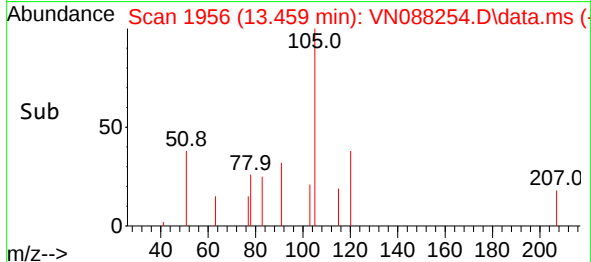
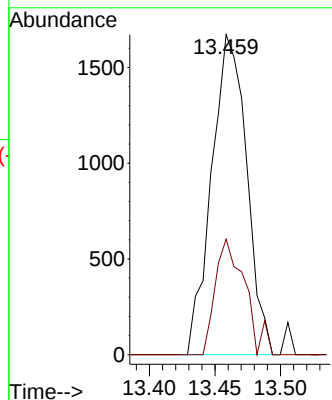
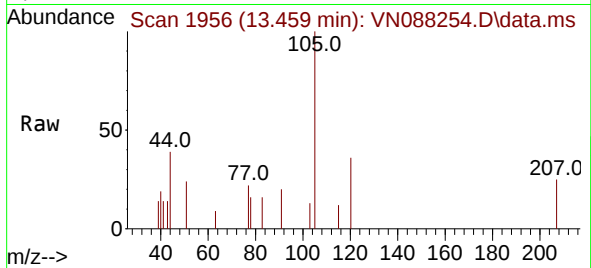




#84
1,2,4-Trimethylbenzene
Concen: 0.230 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. -0.000 min
Lab File: VN088254.D
Acq: 11 Nov 2025 14:04

Instrument :
MSVOA_N
ClientSampleId :
EO-CONCRETE

Tgt Ion:105 Resp: 3105
Ion Ratio Lower Upper
105 100
120 30.5 22.0 66.0



#95
Naphthalene
Concen: 12.277 ug/l
RT: 15.611 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VN088254.D
Acq: 11 Nov 2025 14:04

Tgt Ion:128 Resp: 171414
Ion Ratio Lower Upper
128 100
127 13.0 10.6 15.8
129 10.5 8.6 12.8

