

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052125\
 Data File : VN086740.D
 Acq On : 21 May 2025 18:42
 Operator : JC\MD
 Sample : Q2093-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SOIL-DRUM

Quant Time: May 22 01:29:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

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

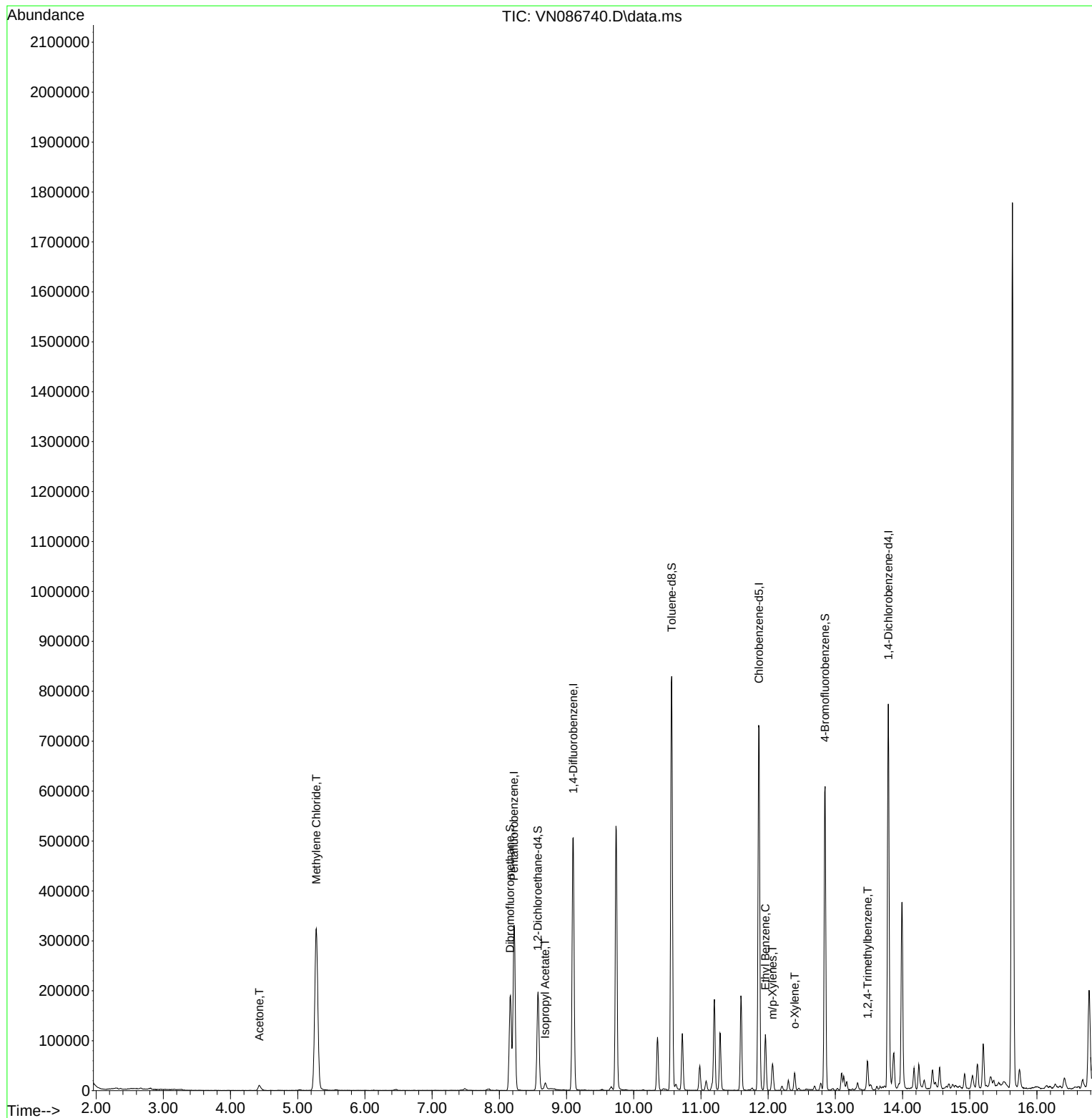
Internal Standards						
1) Pentafluorobenzene	8.218	168	263450	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	487003	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	470769	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	226889	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	160412	44.064	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	88.120%	
35) Dibromofluoromethane	8.159	113	145655	50.221	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	100.440%	
50) Toluene-d8	10.565	98	619989	51.584	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	103.160%	
62) 4-Bromofluorobenzene	12.847	95	233873	55.109	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	110.220%	
Target Compounds						
					Qvalue	
16) Acetone	4.430	43	20103	14.763	ug/l	89
20) Methylene Chloride	5.277	84	287512	80.009	ug/l	95
43) Isopropyl Acetate	8.683	43	19341	2.233	ug/l #	84
67) Ethyl Benzene	11.959	91	80566	4.556	ug/l	100
68) m/p-Xylenes	12.065	106	18291	2.731	ug/l	97
69) o-Xylene	12.394	106	10332	1.552	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	33568	2.401	ug/l	99

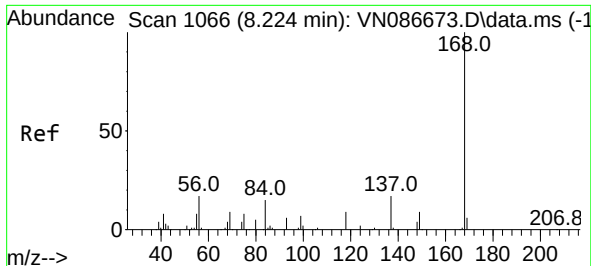
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN086740.D
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ALS Vial : 20 Sample Multiplier: 1

Instrument :
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Quant Time: May 22 01:29:07 2025
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Response via : Initial Calibration

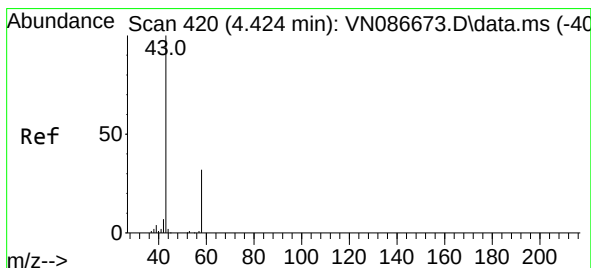
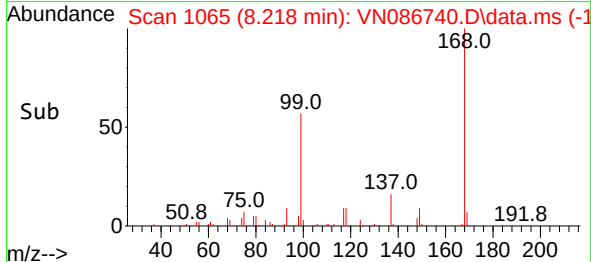
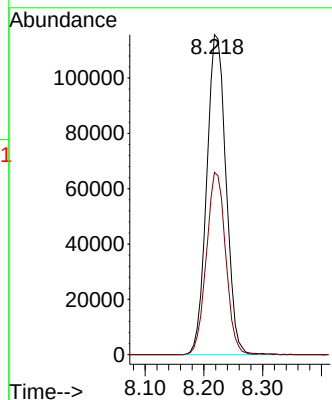
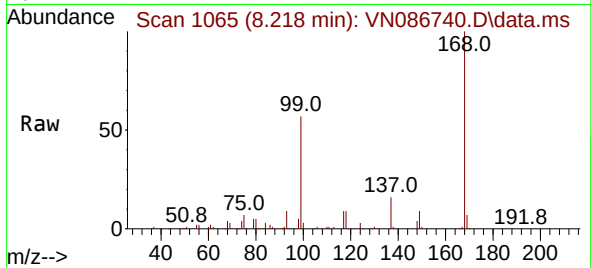




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN086740.D
Acq: 21 May 2025 18:42

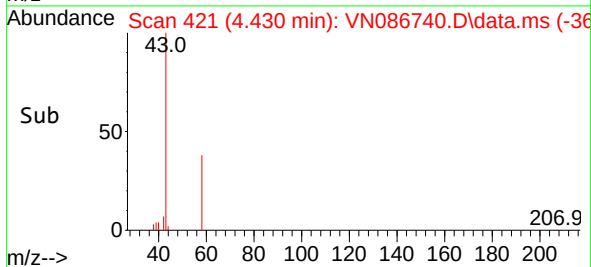
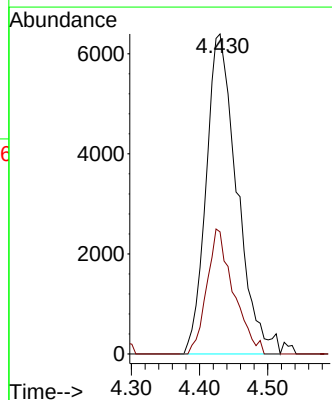
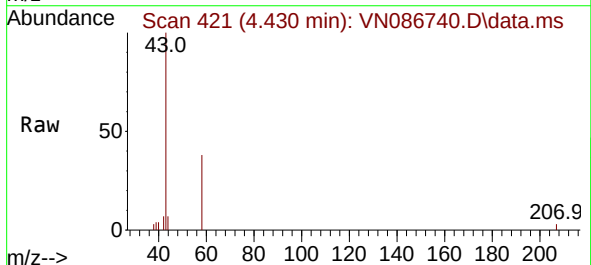
Instrument :
MSVOA_N
ClientSampleId :
SOIL-DRUM

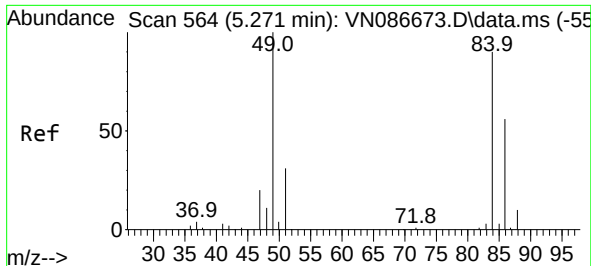
Tgt Ion:168 Resp: 263450
Ion Ratio Lower Upper
168 100
99 57.0 47.0 70.4



#16
Acetone
Concen: 14.763 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN086740.D
Acq: 21 May 2025 18:42

Tgt Ion: 43 Resp: 20103
Ion Ratio Lower Upper
43 100
58 38.2 25.8 38.6



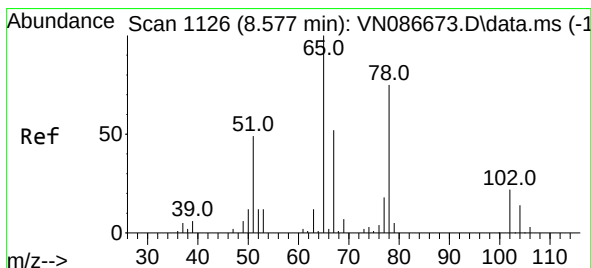
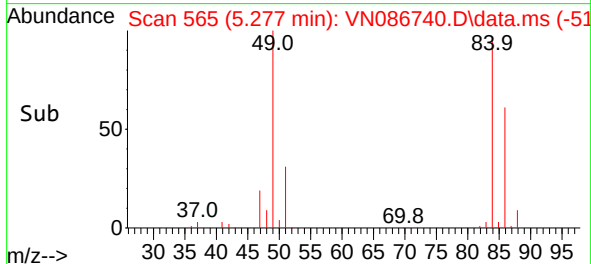
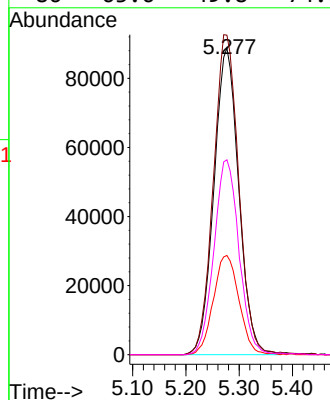
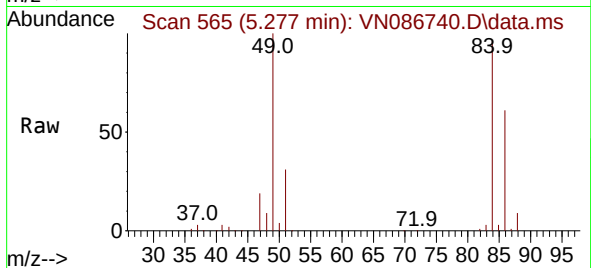


#20
Methylene Chloride
Concen: 80.009 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN086740.D
Acq: 21 May 2025 18:42

Instrument :
MSVOA_N
ClientSampleId :
SOIL-DRUM

Tgt Ion: 84 Resp: 287512

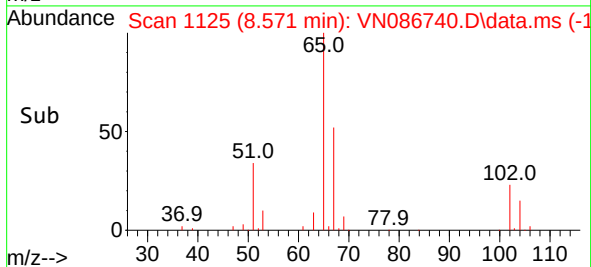
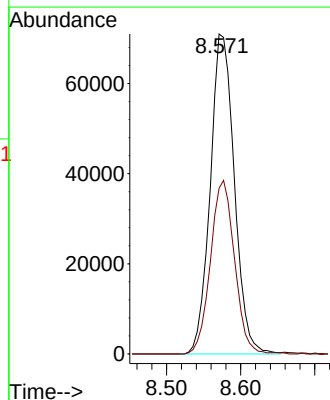
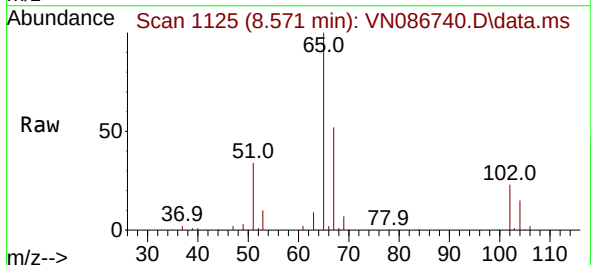
Ion	Ratio	Lower	Upper
84	100		
49	104.2	88.8	133.2
51	32.3	27.8	41.6
86	63.6	49.8	74.6

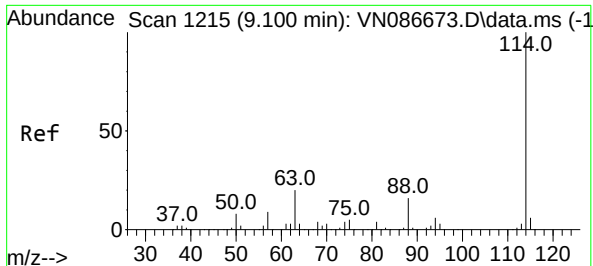


#33
1,2-Dichloroethane-d4
Concen: 44.064 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.006 min
Lab File: VN086740.D
Acq: 21 May 2025 18:42

Tgt Ion: 65 Resp: 160412

Ion	Ratio	Lower	Upper
65	100		
67	54.2	0.0	106.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 114

Delta R.T. 0.000 min

Lab File: VN086740.D

Acq: 21 May 2025 18:42

Instrument :

MSVOA_N

ClientSampleId :

SOIL-DRUM

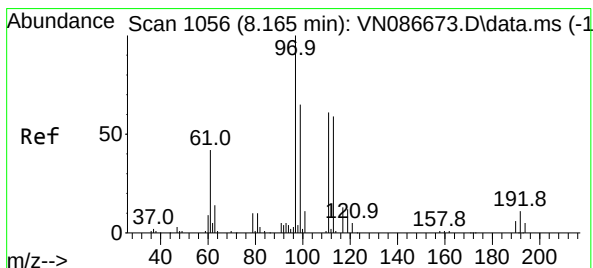
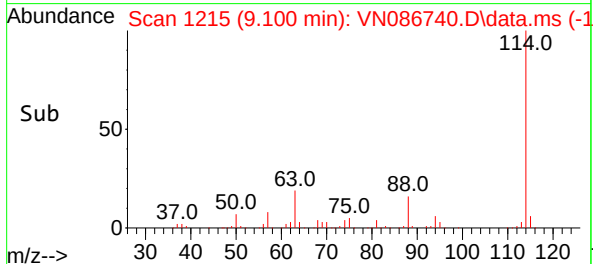
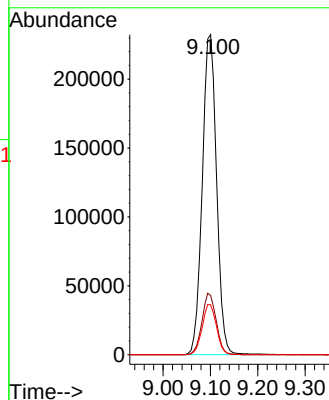
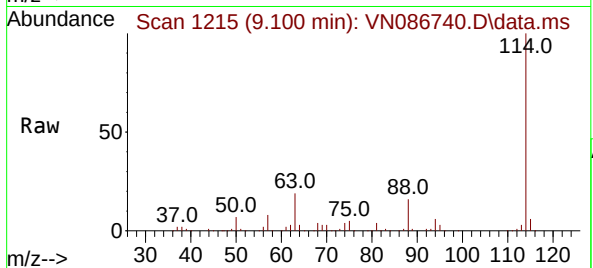
Tgt Ion:114 Resp: 487003

Ion Ratio Lower Upper

114 100

63 18.5 0.0 40.2

88 15.6 0.0 31.2



#35

Dibromofluoromethane

Concen: 50.221 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN086740.D

Acq: 21 May 2025 18:42

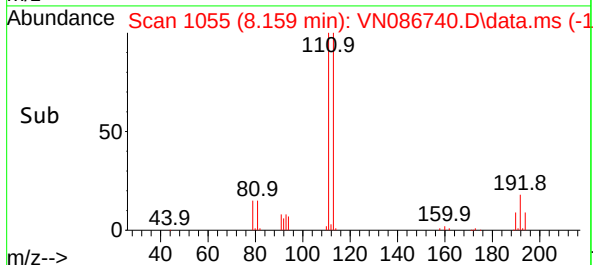
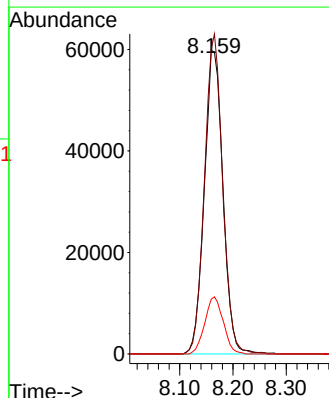
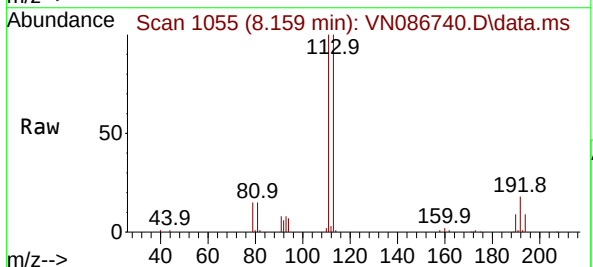
Tgt Ion:113 Resp: 145655

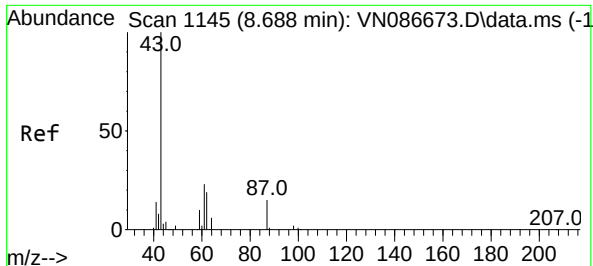
Ion Ratio Lower Upper

113 100

111 102.4 82.2 123.2

192 18.6 13.8 20.8





#43

Isopropyl Acetate

Concen: 2.233 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. -0.006 min

Lab File: VN086740.D

Acq: 21 May 2025 18:42

Instrument :

MSVOA_N

ClientSampleId :

SOIL-DRUM

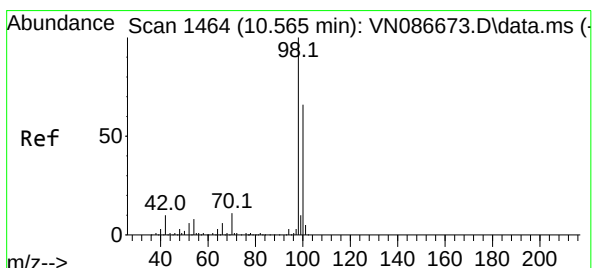
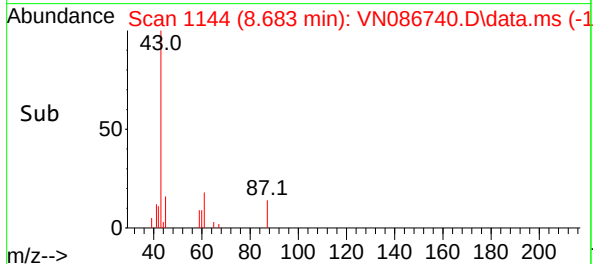
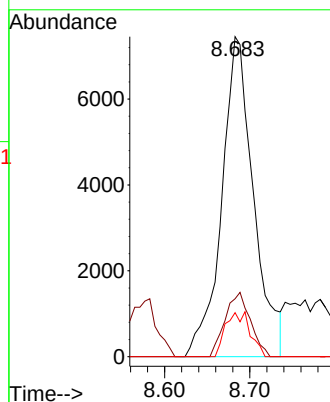
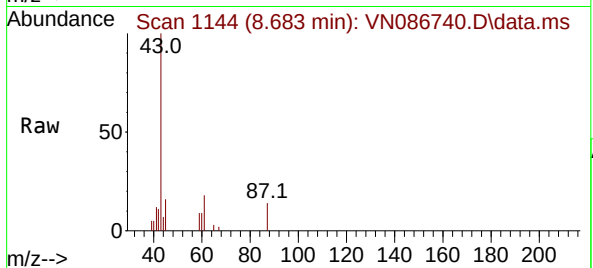
Tgt Ion: 43 Resp: 19341

Ion Ratio Lower Upper

43 100

61 16.0 21.4 32.2#

87 10.8 11.1 16.7#



#50

Toluene-d8

Concen: 51.584 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN086740.D

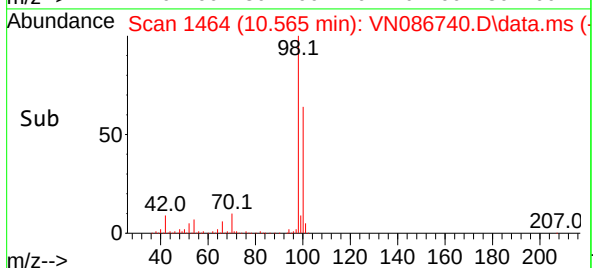
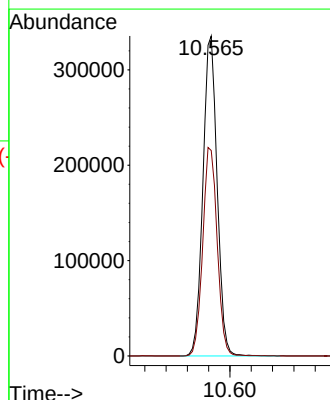
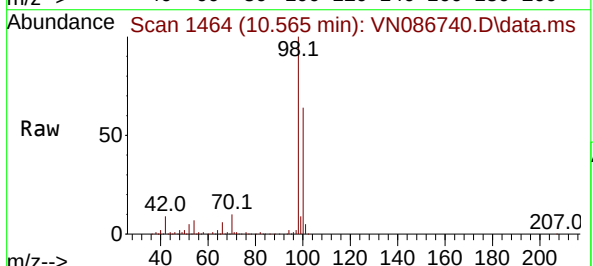
Acq: 21 May 2025 18:42

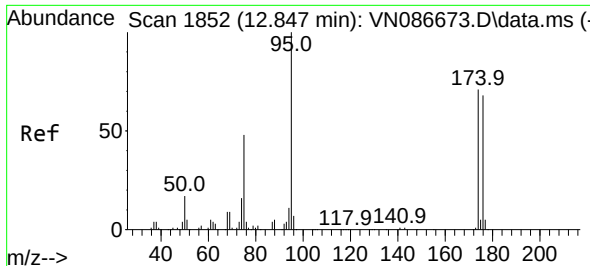
Tgt Ion: 98 Resp: 619989

Ion Ratio Lower Upper

98 100

100 66.3 52.9 79.3

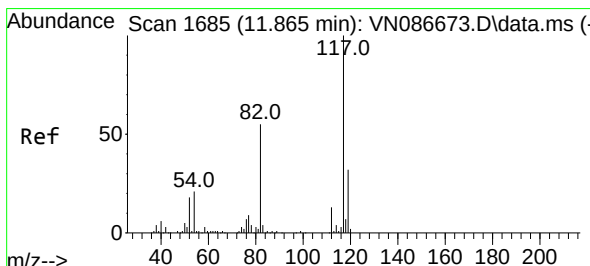
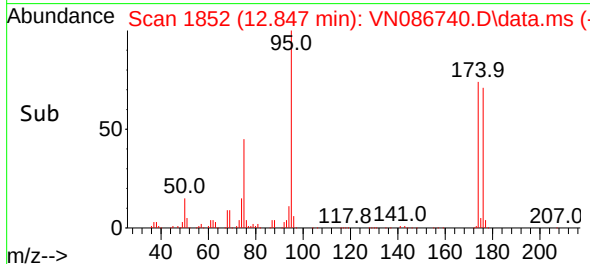
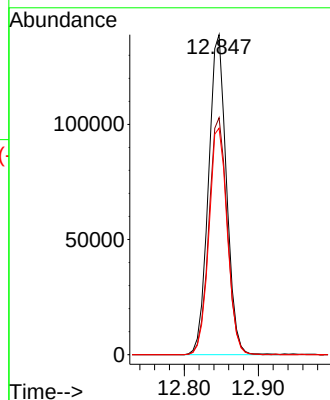
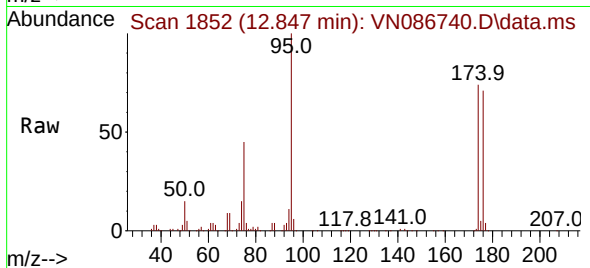




#62
4-Bromofluorobenzene
Concen: 55.109 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086740.D
Acq: 21 May 2025 18:42

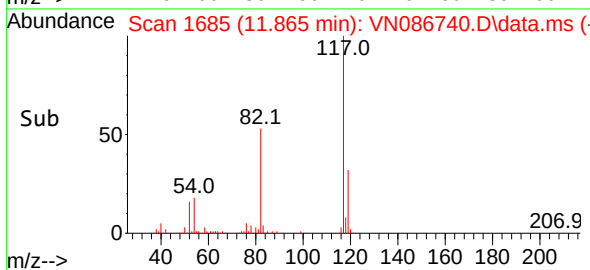
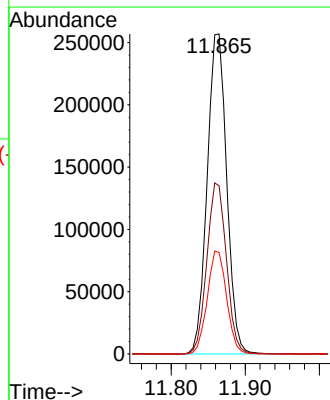
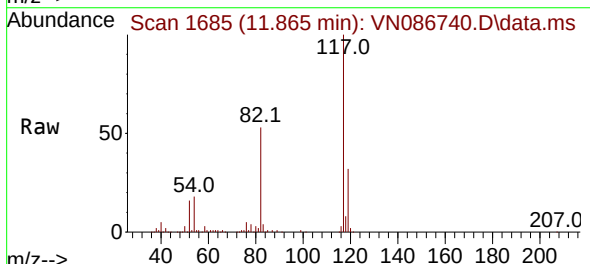
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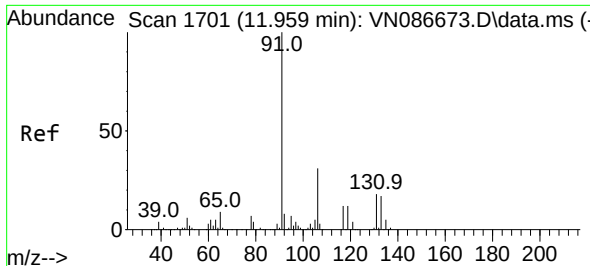
Tgt Ion: 95 Resp: 233873
Ion Ratio Lower Upper
95 100
174 75.7 0.0 145.4
176 72.3 0.0 137.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN086740.D
Acq: 21 May 2025 18:42

Tgt Ion: 117 Resp: 470769
Ion Ratio Lower Upper
117 100
82 52.6 44.2 66.2
119 31.7 25.4 38.2

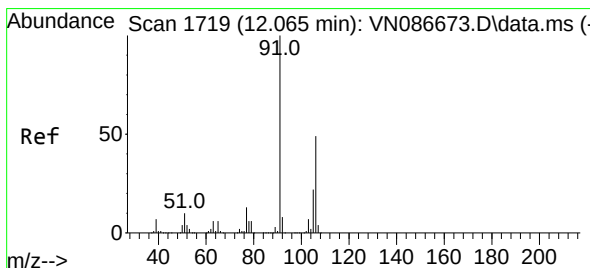
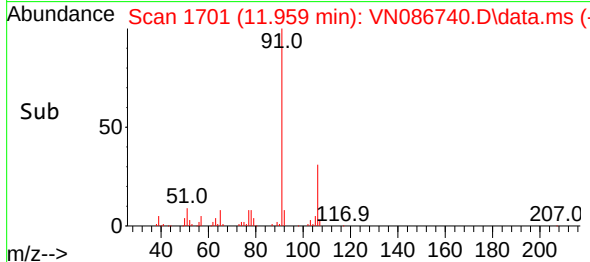
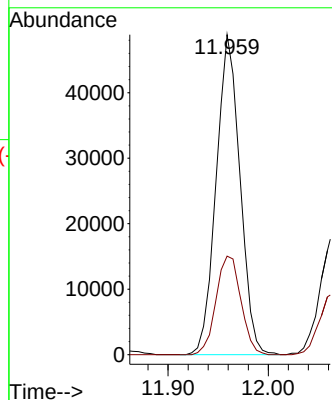
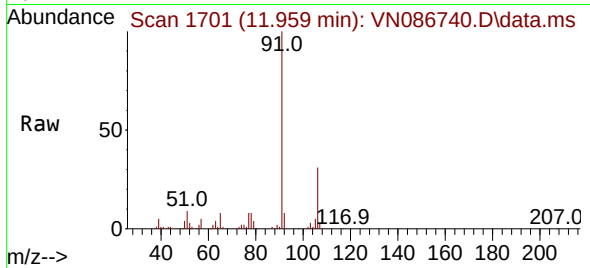




#67
Ethyl Benzene
Concen: 4.556 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN086740.D
Acq: 21 May 2025 18:42

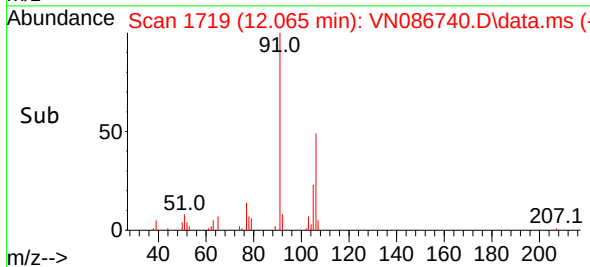
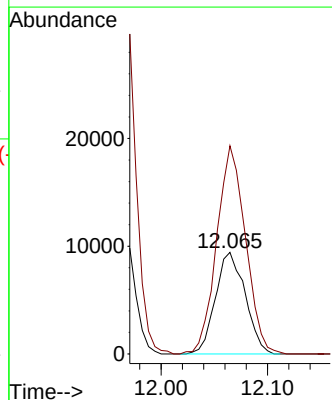
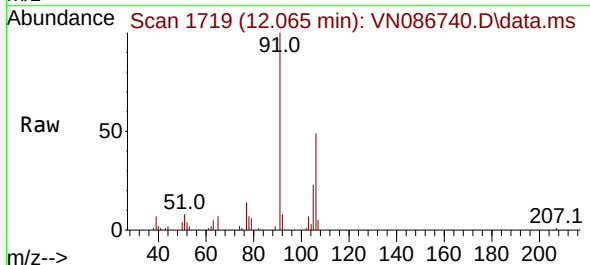
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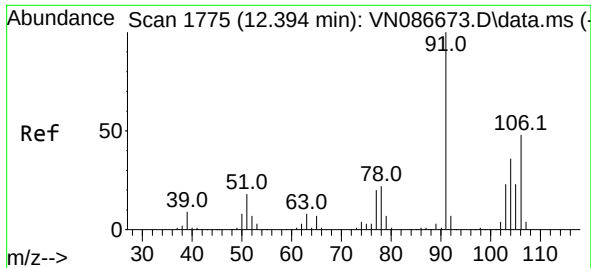
Tgt Ion: 91 Resp: 80566
Ion Ratio Lower Upper
91 100
106 30.8 24.6 36.8



#68
m/p-Xylenes
Concen: 2.731 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. 0.000 min
Lab File: VN086740.D
Acq: 21 May 2025 18:42

Tgt Ion: 106 Resp: 18291
Ion Ratio Lower Upper
106 100
91 198.7 162.4 243.6

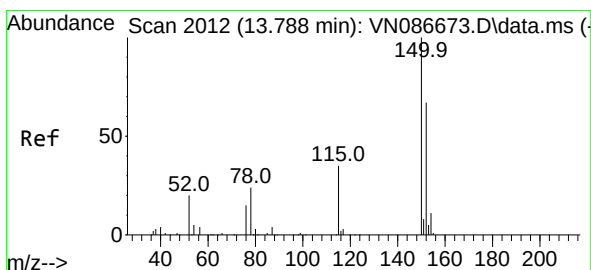
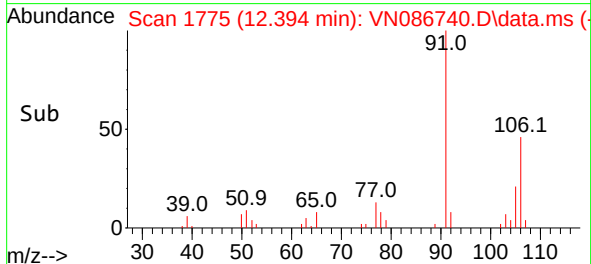
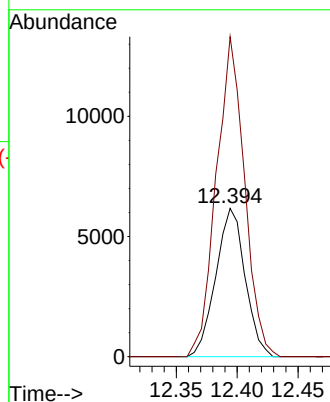
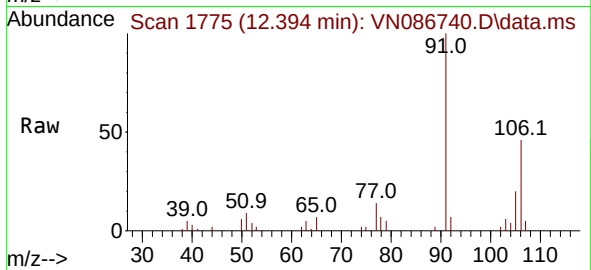




#69
o-Xylene
Concen: 1.552 ug/l
RT: 12.394 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN086740.D
Acq: 21 May 2025 18:42

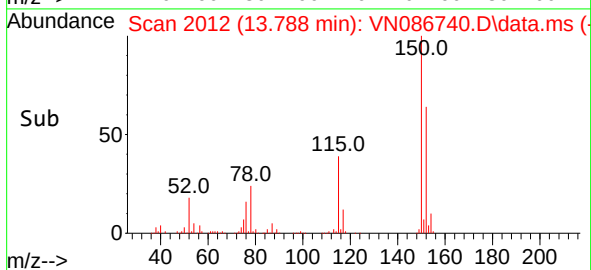
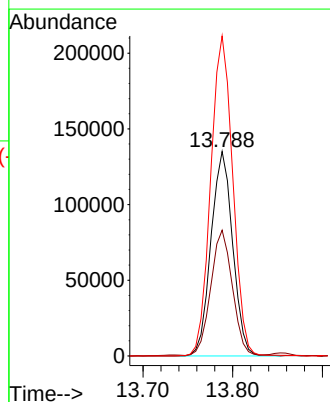
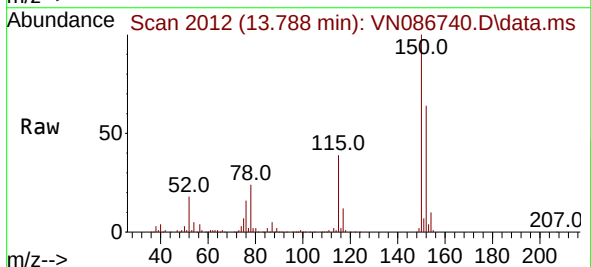
Instrument :
MSVOA_N
ClientSampleId :
SOIL-DRUM

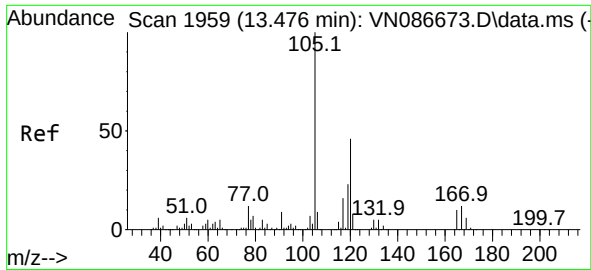
Tgt Ion:106 Resp: 10332
Ion Ratio Lower Upper
106 100
91 207.7 105.1 315.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN086740.D
Acq: 21 May 2025 18:42

Tgt Ion:152 Resp: 226889
Ion Ratio Lower Upper
152 100
115 60.6 30.0 90.1
150 159.0 0.0 347.8





#84

1,2,4-Trimethylbenzene

Concen: 2.401 ug/l

RT: 13.482 min Scan# 1959

Delta R.T. 0.006 min

Lab File: VN086740.D

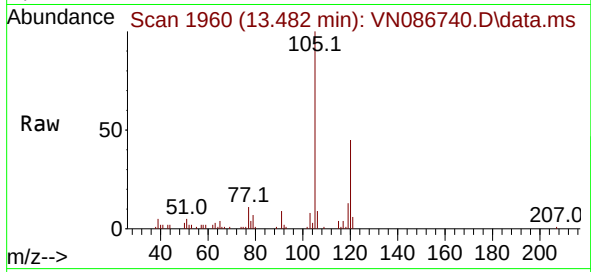
Acq: 21 May 2025 18:42

Instrument :

MSVOA_N

ClientSampleId :

SOIL-DRUM



Tgt Ion:105 Resp: 33568

Ion Ratio Lower Upper

105 100

120 46.8 23.2 69.6

