

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
 Data File : VN086513.D
 Acq On : 06 May 2025 14:35
 Operator : JC\MD
 Sample : Q1959-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SOIL-PILE

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/07/2025
 Supervised By : Mahesh Dadoda 05/07/2025

Quant Time: May 07 02:55:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	165293	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	308527	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	290315	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	123412	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	116517	48.612	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.220%		
35) Dibromofluoromethane	8.165	113	82779	57.810	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	115.620%		
50) Toluene-d8	10.565	98	388461	50.760	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.520%		
62) 4-Bromofluorobenzene	12.847	95	135707	48.618	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	97.240%		
Target Compounds						
						Qvalue
16) Acetone	4.430	43	44880	49.582	ug/l	97
20) Methylene Chloride	5.283	84	6508	2.937	ug/l	88
43) Isopropyl Acetate	8.682	43	26899m	3.172	ug/l	

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

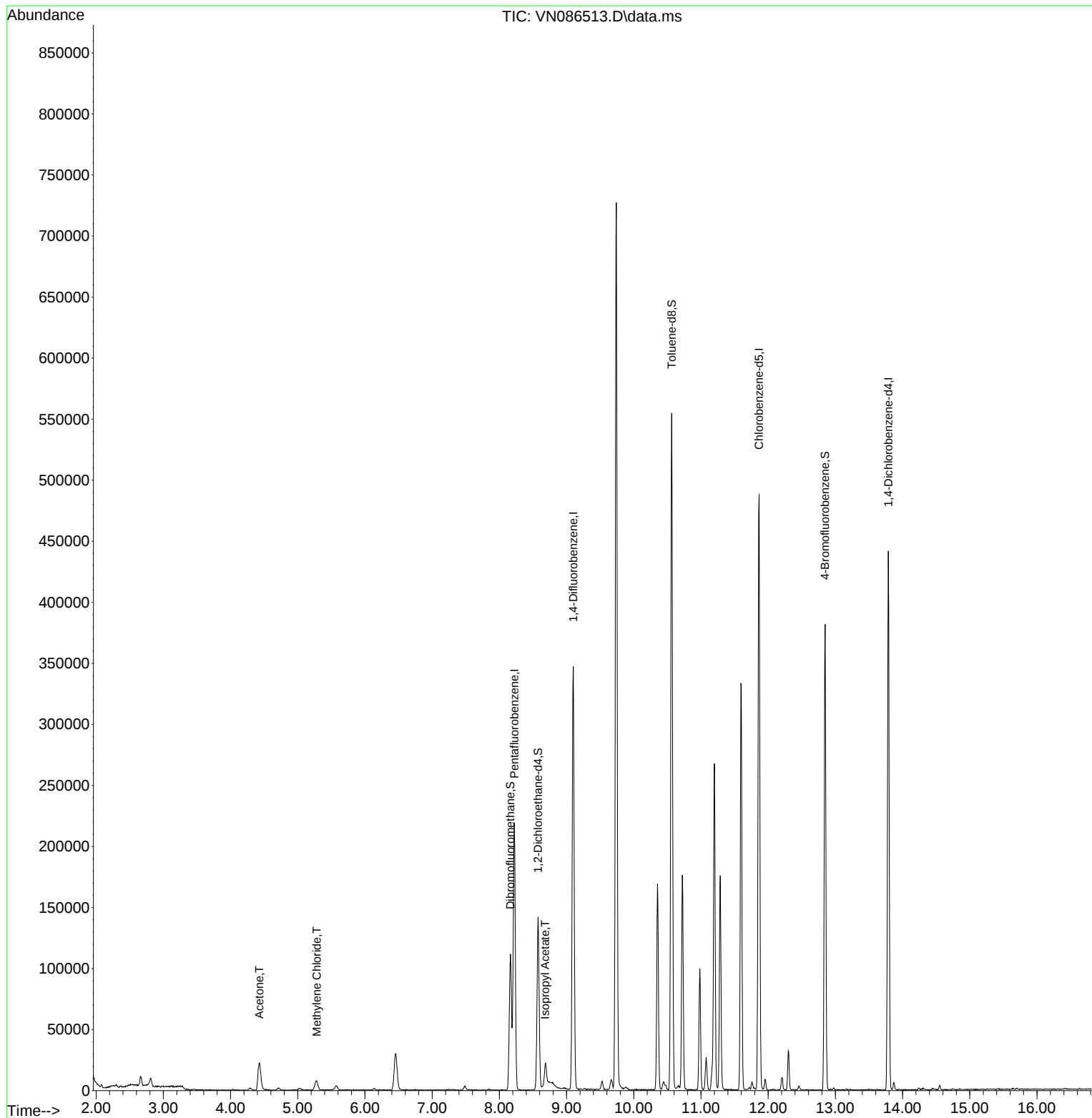
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
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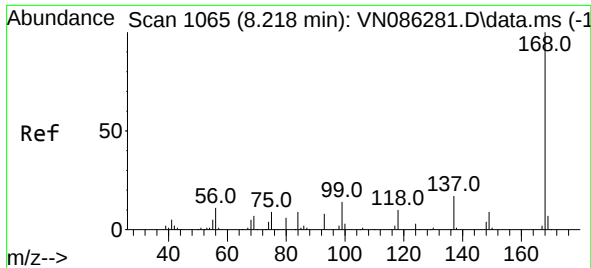
Instrument :
MSVOA_N
ClientSampleId :
SOIL-PILE

Quant Time: May 07 02:55:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
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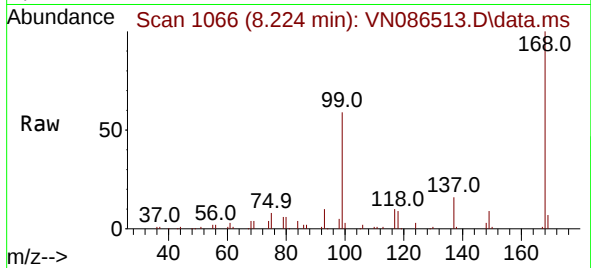
Reviewed By :John Carlone 05/07/2025
Supervised By :Mahesh Dadoda 05/07/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN086513.D
Acq: 06 May 2025 14:35

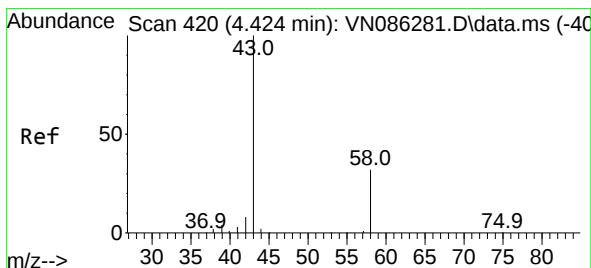
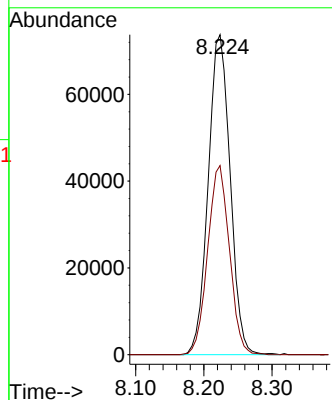
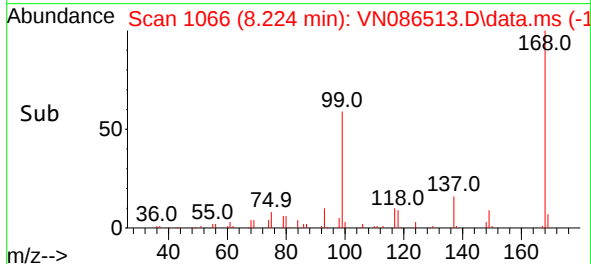
Instrument :
MSVOA_N
ClientSampleId :
SOIL-PILE



Tgt Ion:168 Resp: 16529
Ion Ratio Lower Upper
168 100
99 59.1 52.5 78.7

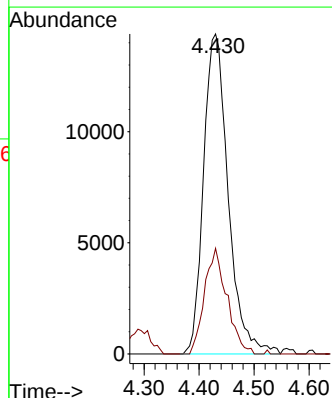
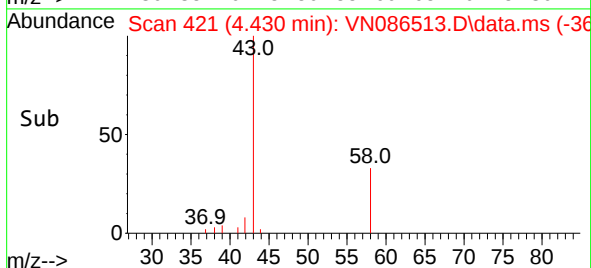
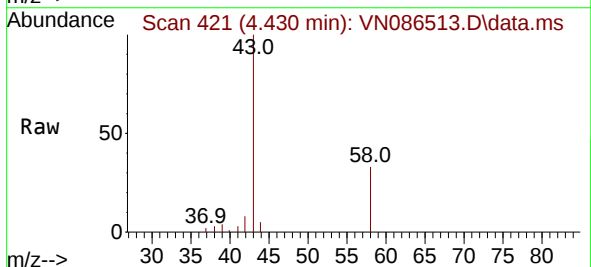
Manual Integrations
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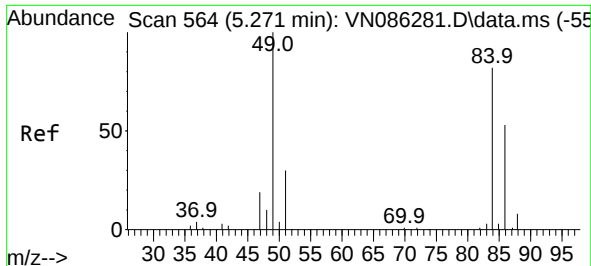
Reviewed By :John Carlone 05/07/2025
Supervised By :Mahesh Dadoda 05/07/2025



#16
Acetone
Concen: 49.582 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN086513.D
Acq: 06 May 2025 14:35

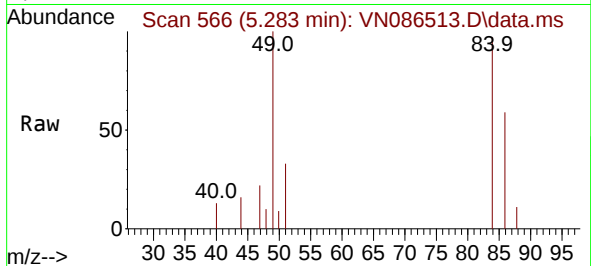
Tgt Ion: 43 Resp: 44880
Ion Ratio Lower Upper
43 100
58 33.0 25.3 37.9





#20
Methylene Chloride
Concen: 2.937 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN086513.D
Acq: 06 May 2025 14:35

Instrument :
MSVOA_N
ClientSampleId :
SOIL-PILE

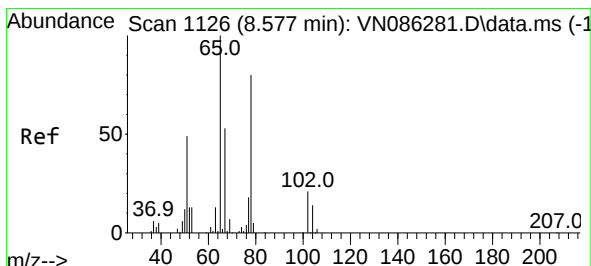
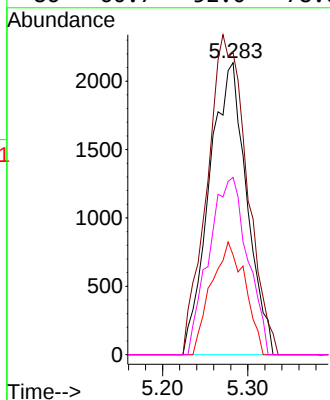
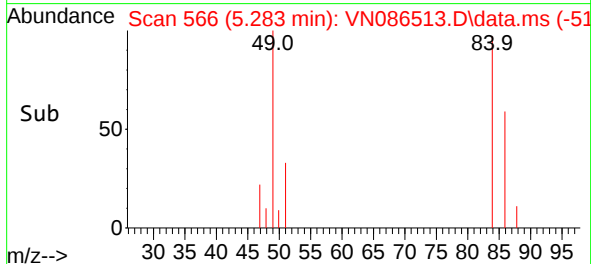


Tgt Ion: 84 Resp: 6508

Ion	Ratio	Lower	Upper
84	100		
49	103.5	98.2	147.2
51	34.1	29.8	44.6
86	60.7	52.0	78.0

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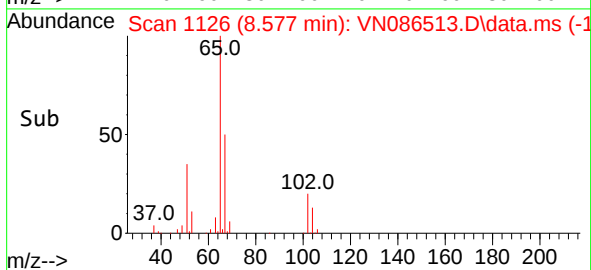
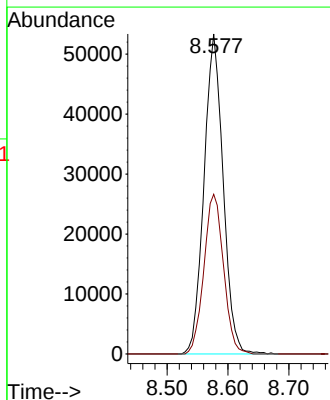
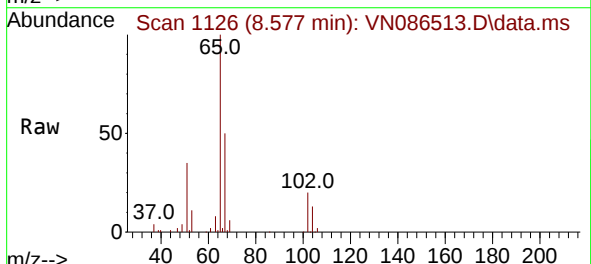
Reviewed By :John Carlone 05/07/2025
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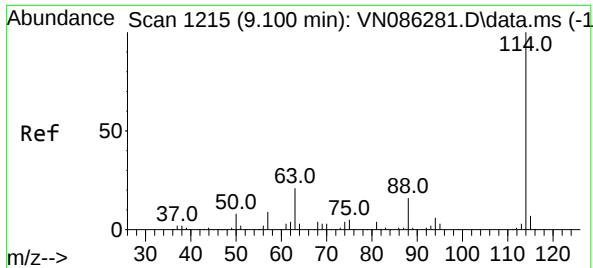


#33
1,2-Dichloroethane-d4
Concen: 48.612 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086513.D
Acq: 06 May 2025 14:35

Tgt Ion: 65 Resp: 116517

Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	106.0





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 114
Delta R.T. -0.000 min
Lab File: VN086513.D
Acq: 06 May 2025 14:35

Instrument :

MSVOA_N

ClientSampleId :

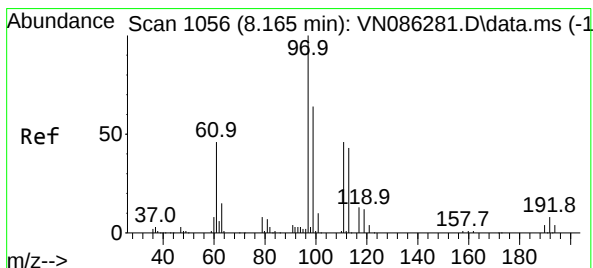
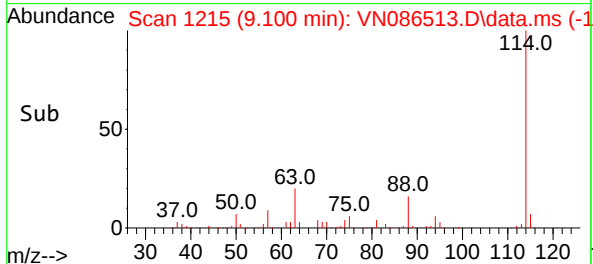
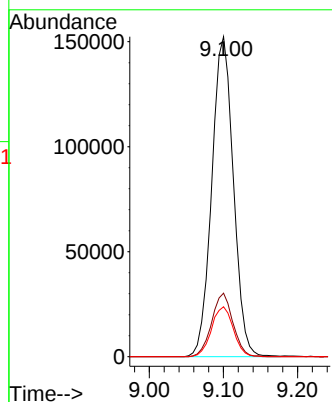
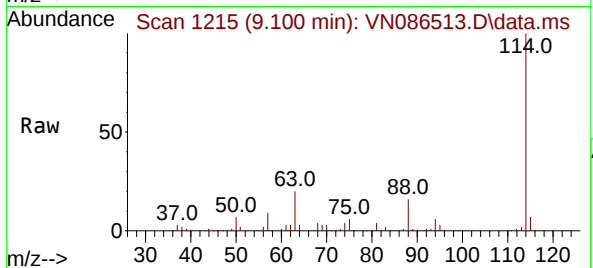
SOIL-PILE

Tgt Ion:114 Resp: 30852
Ion Ratio Lower Upper
114 100
63 19.9 0.0 42.6
88 15.6 0.0 31.8

Manual Integrations

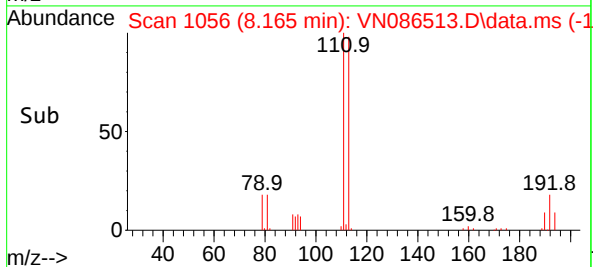
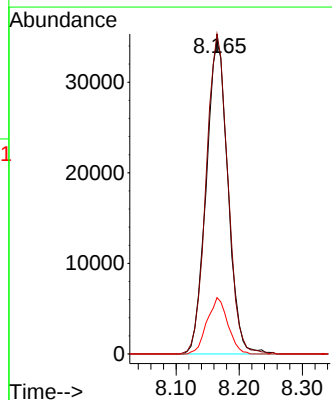
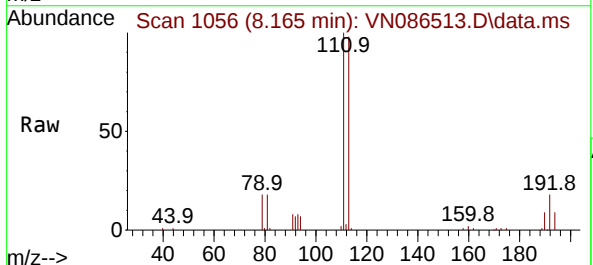
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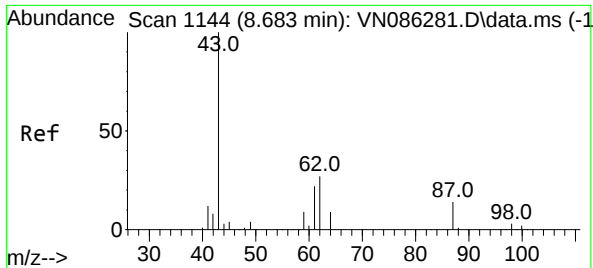
Reviewed By :John Carlone 05/07/2025
Supervised By :Mahesh Dadoda 05/07/2025



#35
Dibromofluoromethane
Concen: 57.810 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086513.D
Acq: 06 May 2025 14:35

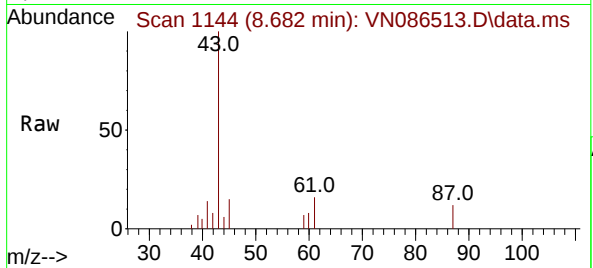
Tgt Ion:113 Resp: 82779
Ion Ratio Lower Upper
113 100
111 101.4 83.4 125.0
192 17.1 13.7 20.5





#43
Isopropyl Acetate
Concen: 3.172 ug/l m
RT: 8.682 min Scan# 1144
Delta R.T. -0.001 min
Lab File: VN086513.D
Acq: 06 May 2025 14:35

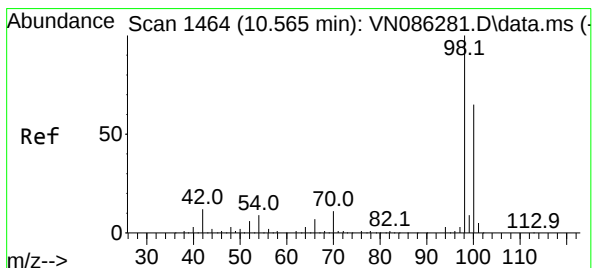
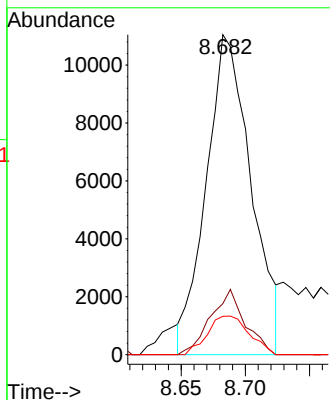
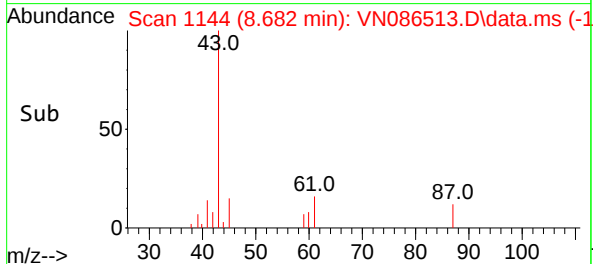
Instrument :
MSVOA_N
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SOIL-PILE



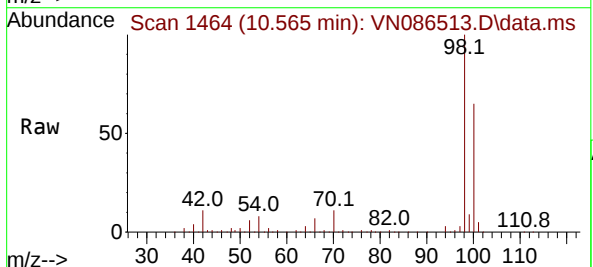
Tgt Ion: 43 Resp: 2689
Ion Ratio Lower Upper
43 100
61 15.7 20.5 30.7
87 11.2 10.5 15.7

Manual Integrations
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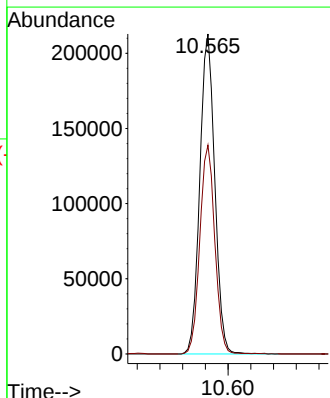
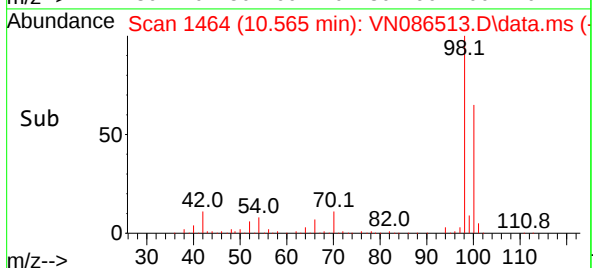
Reviewed By :John Carlone 05/07/2025
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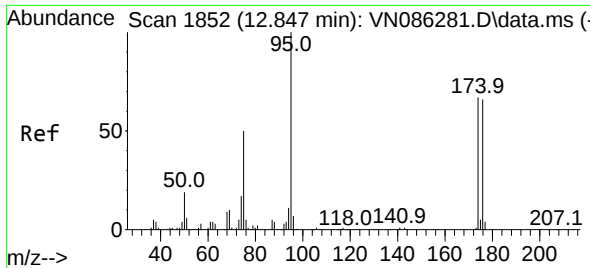


#50
Toluene-d8
Concen: 50.760 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086513.D
Acq: 06 May 2025 14:35



Tgt Ion: 98 Resp: 388461
Ion Ratio Lower Upper
98 100
100 65.2 52.5 78.7





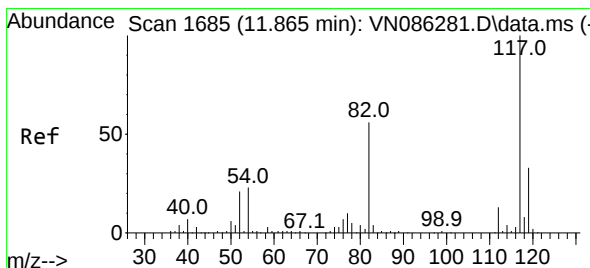
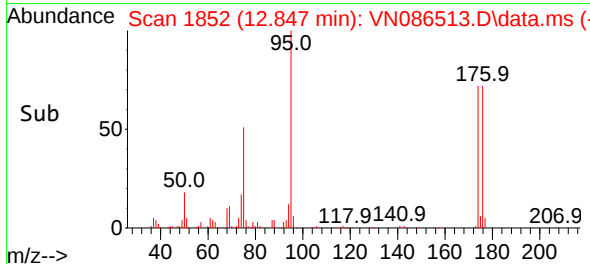
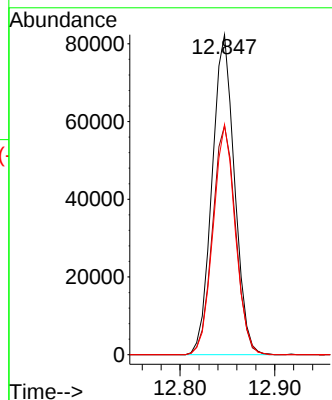
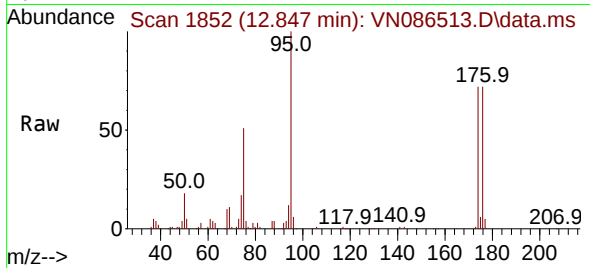
#62
4-Bromofluorobenzene
Concen: 48.618 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086513.D
Acq: 06 May 2025 14:35

Instrument :
MSVOA_N
ClientSampleId :
SOIL-PILE

Tgt Ion: 95 Resp: 13570
Ion Ratio Lower Upper
95 100
174 73.6 0.0 133.4
176 71.3 0.0 129.2

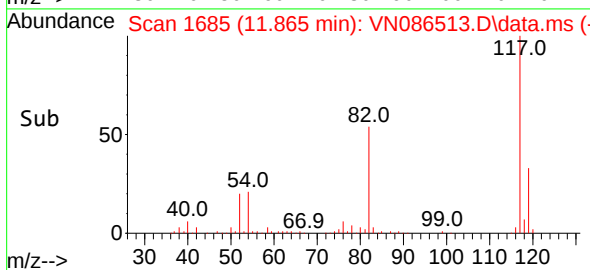
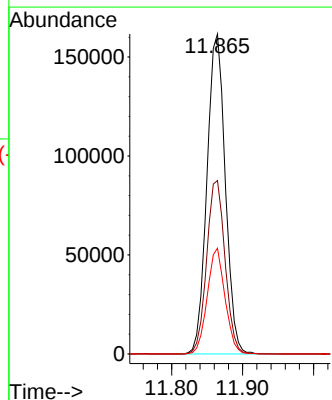
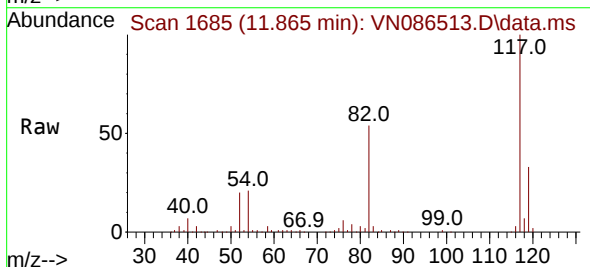
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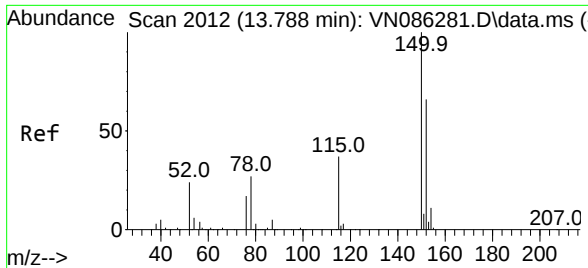
Reviewed By :John Carlone 05/07/2025
Supervised By :Mahesh Dadoda 05/07/2025



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086513.D
Acq: 06 May 2025 14:35

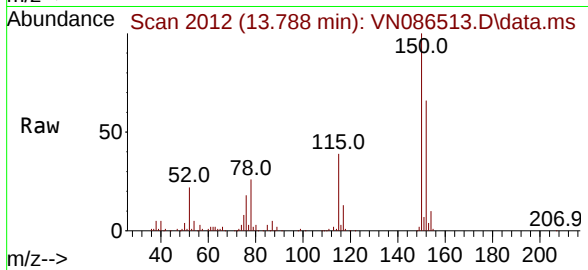
Tgt Ion:117 Resp: 290315
Ion Ratio Lower Upper
117 100
82 54.2 44.7 67.1
119 33.1 26.4 39.6





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN086513.D
 Acq: 06 May 2025 14:35

Instrument :
 MSVOA_N
 ClientSampleId :
 SOIL-PILE



Tgt Ion:152 Resp: 123412
 Ion Ratio Lower Upper
 152 100
 115 59.5 31.9 95.9
 150 155.2 0.0 352.0

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