

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090825\
 Data File : VN087757.D
 Acq On : 08 Sep 2025 13:40
 Operator : JC\MD
 Sample : Q3023-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-1

Quant Time: Sep 09 02:28:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 02:55:42 2025
 Response via : Initial Calibration

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

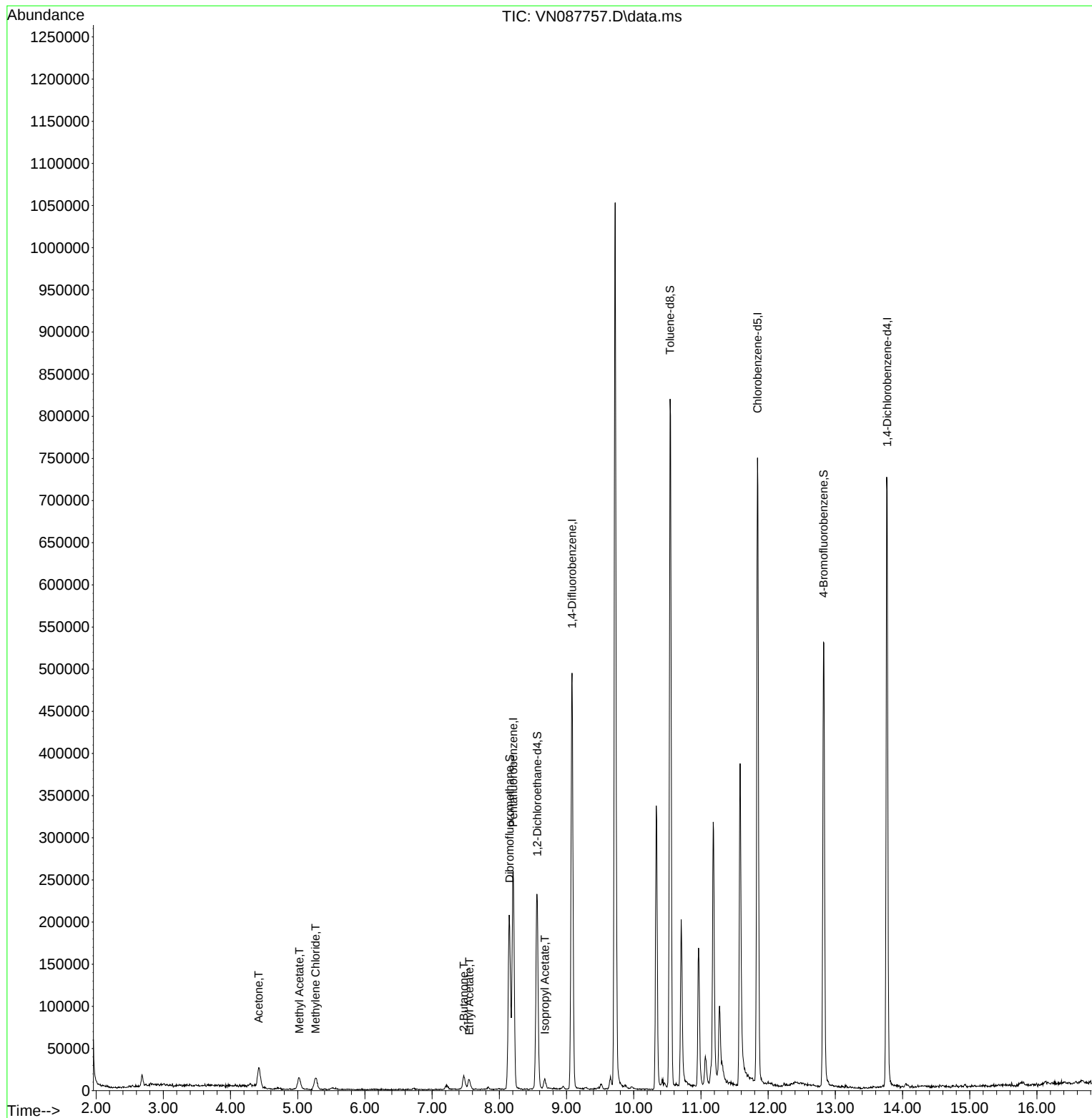
Internal Standards						
1) Pentafluorobenzene	8.206	168	177578	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	409804	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	404049	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	188140	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	191072	52.516	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 105.040%		
35) Dibromofluoromethane	8.153	113	143729	48.577	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 97.160%		
50) Toluene-d8	10.541	98	544162	49.138	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 98.280%		
62) 4-Bromofluorobenzene	12.824	95	189781	48.188	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 96.380%		
Target Compounds						
						Qvalue
16) Acetone	4.418	43	47894	24.181	ug/l	100
18) Methyl Acetate	5.024	43	30668	7.395	ug/l	99
20) Methylene Chloride	5.265	84	10440	2.464	ug/l	89
25) 2-Butanone	7.471	43	26308	10.096	ug/l	99
37) Ethyl Acetate	7.553	43	19439	3.134	ug/l	99
43) Isopropyl Acetate	8.677	43	14204	1.467	ug/l #	92

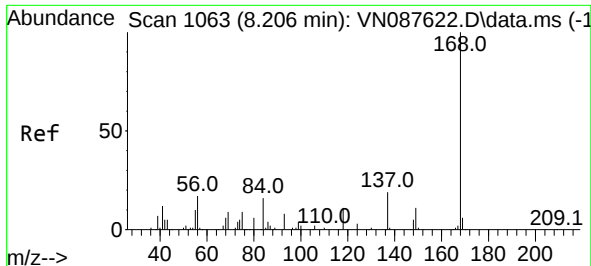
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

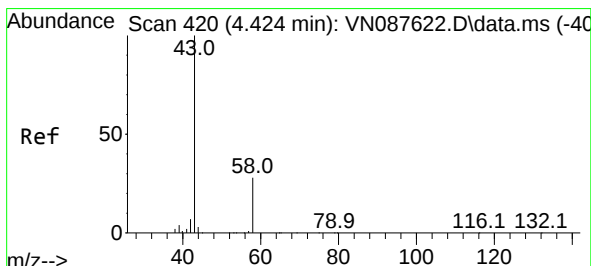
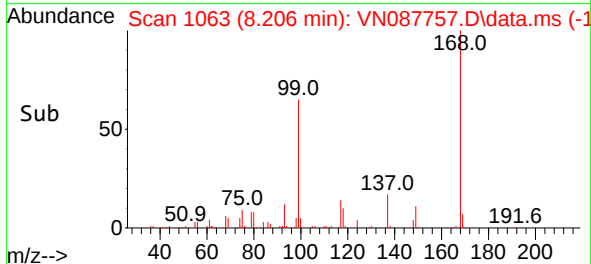
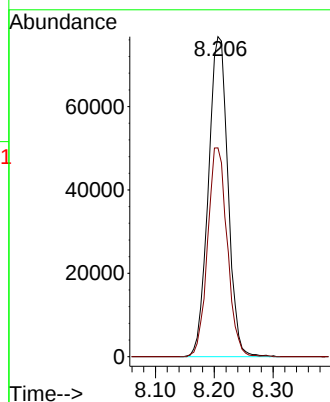
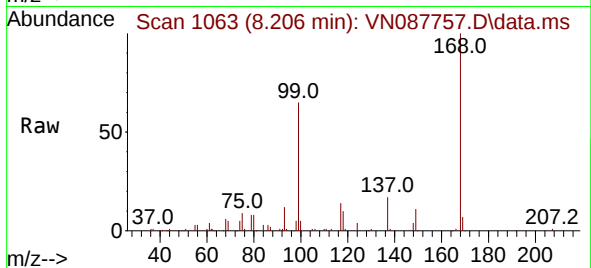




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087757.D
Acq: 08 Sep 2025 13:40

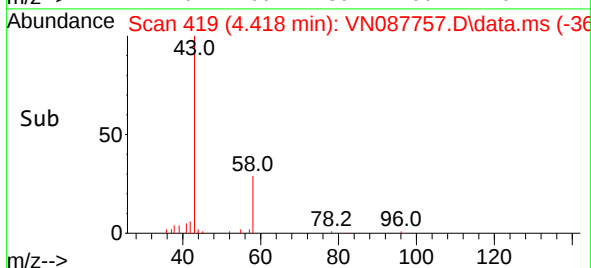
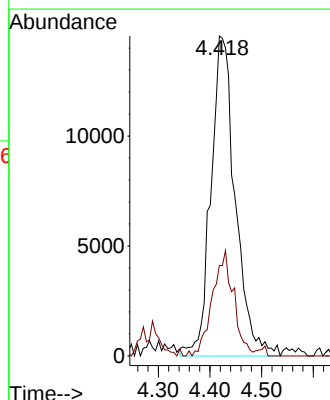
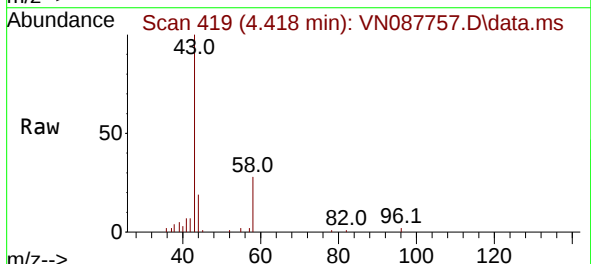
Instrument :
MSVOA_N
ClientSampleId :
TP-1

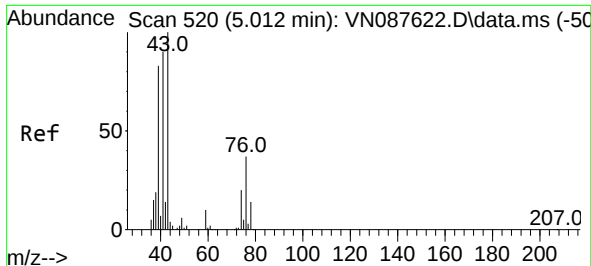
Tgt Ion:168 Resp: 177578
Ion Ratio Lower Upper
168 100
99 65.3 57.2 85.8



#16
Acetone
Concen: 24.181 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.006 min
Lab File: VN087757.D
Acq: 08 Sep 2025 13:40

Tgt Ion: 43 Resp: 47894
Ion Ratio Lower Upper
43 100
58 28.3 22.6 33.8





#18

Methyl Acetate

Concen: 7.395 ug/l

RT: 5.024 min Scan# 51

Delta R.T. 0.012 min

Lab File: VN087757.D

Acq: 08 Sep 2025 13:40

Instrument :

MSVOA_N

ClientSampleId :

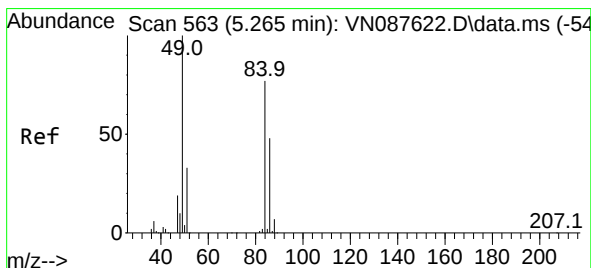
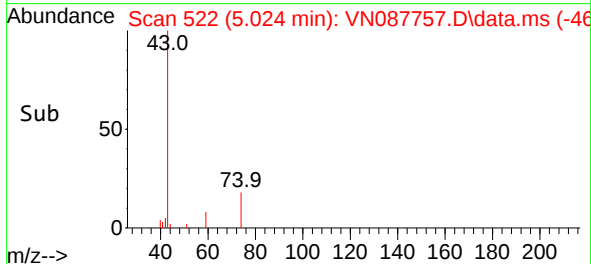
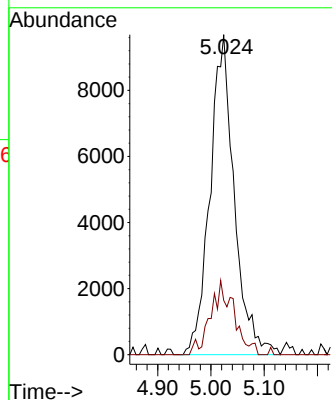
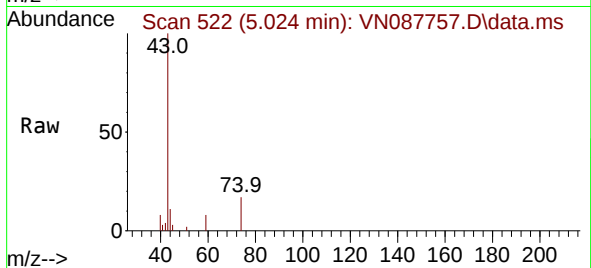
TP-1

Tgt Ion: 43 Resp: 30668

Ion Ratio Lower Upper

43 100

74 21.4 17.6 26.4



#20

Methylene Chloride

Concen: 2.464 ug/l

RT: 5.265 min Scan# 563

Delta R.T. 0.000 min

Lab File: VN087757.D

Acq: 08 Sep 2025 13:40

Tgt Ion: 84 Resp: 10440

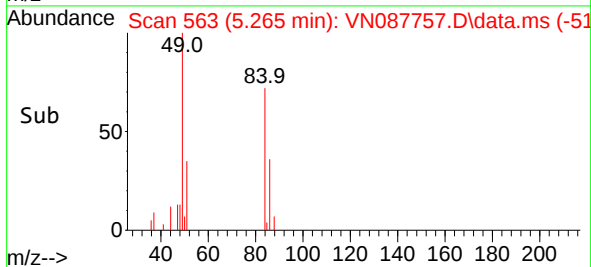
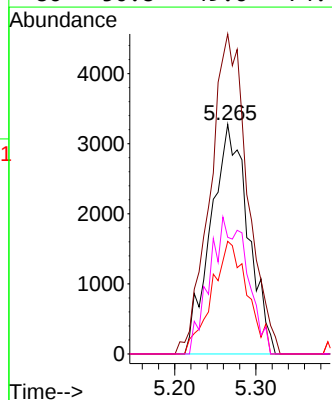
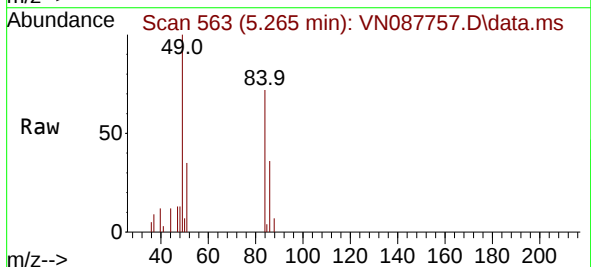
Ion Ratio Lower Upper

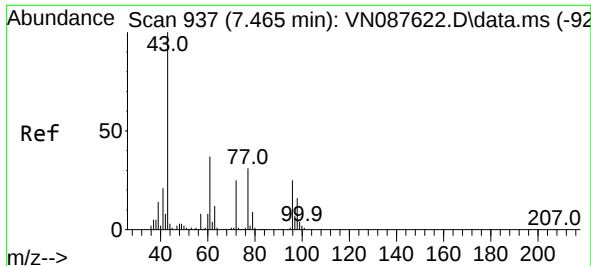
84 100

49 139.4 103.4 155.2

51 49.1 33.8 50.8

86 50.8 49.6 74.4

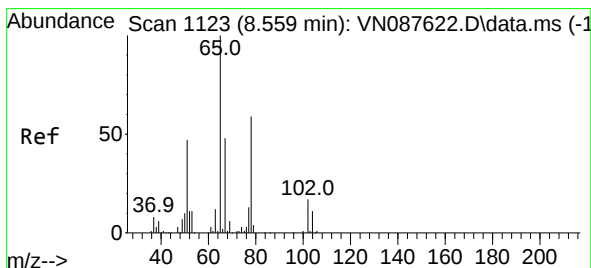
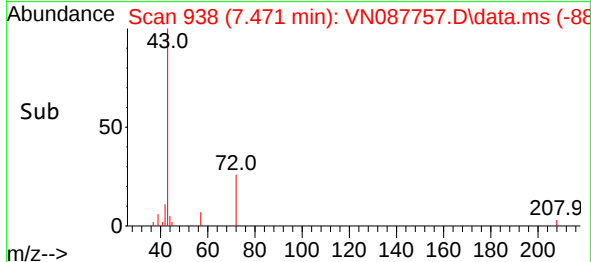
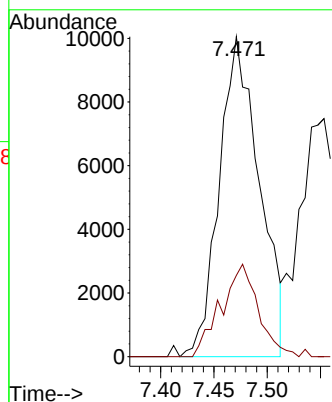
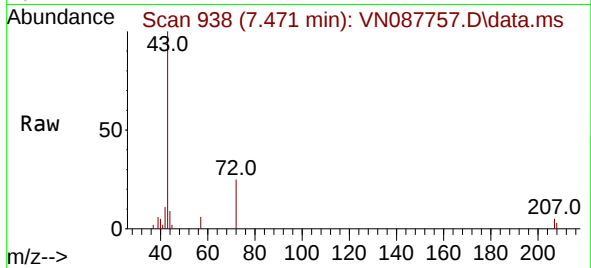




#25
2-Butanone
Concen: 10.096 ug/l
RT: 7.471 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN087757.D
Acq: 08 Sep 2025 13:40

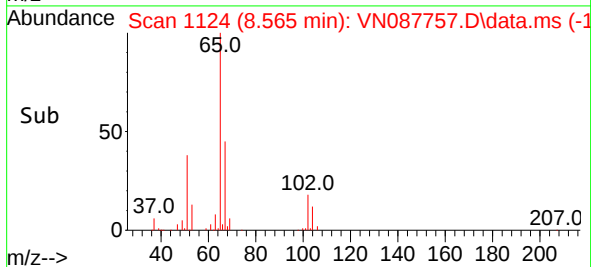
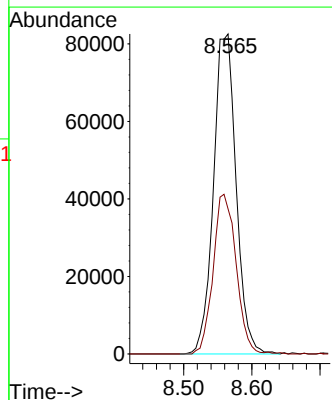
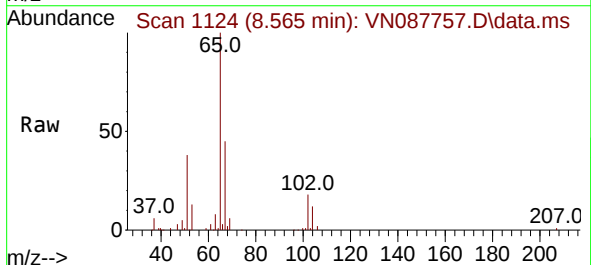
Instrument :
MSVOA_N
ClientSampleId :
TP-1

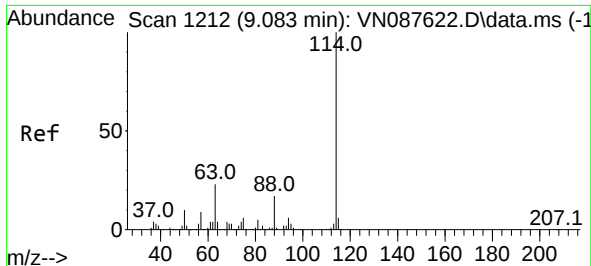
Tgt Ion: 43 Resp: 26308
Ion Ratio Lower Upper
43 100
72 25.4 19.9 29.9



#33
1,2-Dichloroethane-d4
Concen: 52.516 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN087757.D
Acq: 08 Sep 2025 13:40

Tgt Ion: 65 Resp: 191072
Ion Ratio Lower Upper
65 100
67 50.7 0.0 100.0

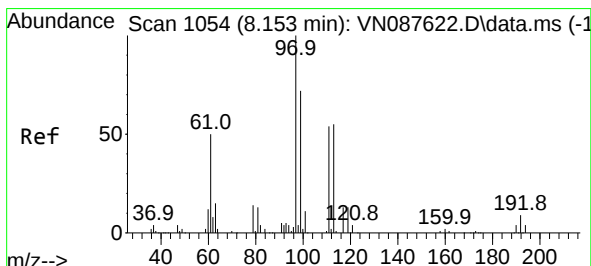
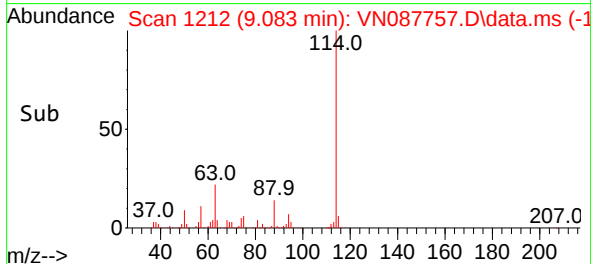
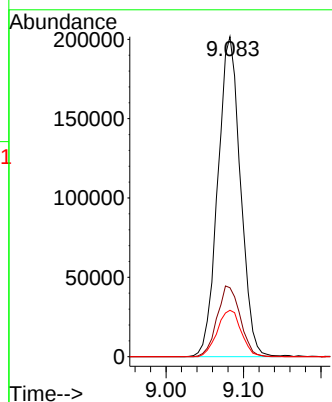
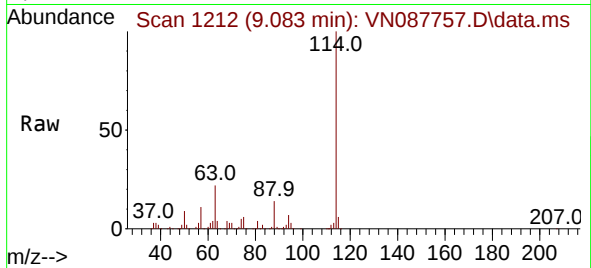




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.083 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087757.D
Acq: 08 Sep 2025 13:40

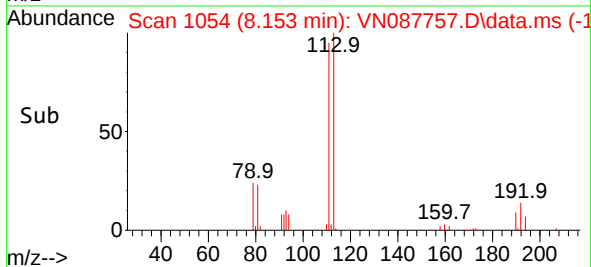
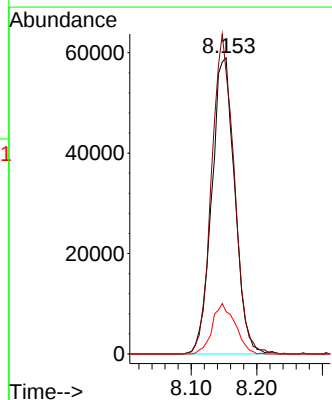
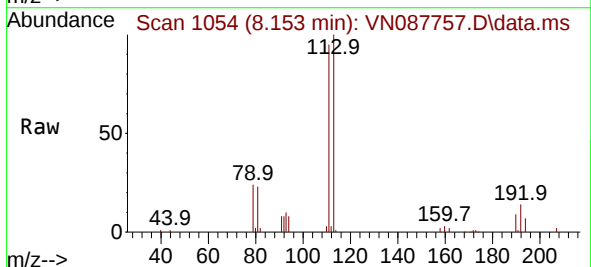
Instrument :
MSVOA_N
ClientSampleId :
TP-1

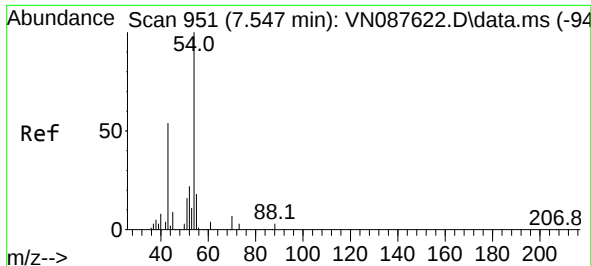
Tgt Ion:114 Resp: 409804
Ion Ratio Lower Upper
114 100
63 21.5 0.0 45.2
88 14.5 0.0 33.4



#35
Dibromofluoromethane
Concen: 48.577 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. 0.000 min
Lab File: VN087757.D
Acq: 08 Sep 2025 13:40

Tgt Ion:113 Resp: 143729
Ion Ratio Lower Upper
113 100
111 105.5 82.8 124.2
192 17.0 12.8 19.2

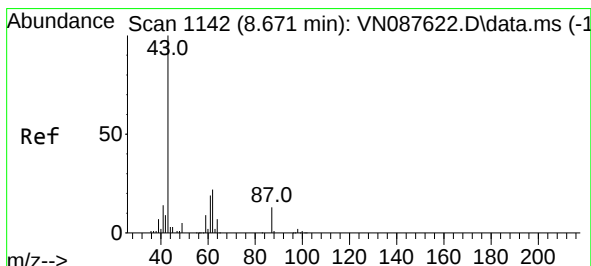
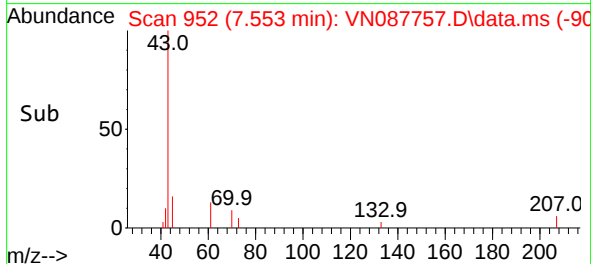
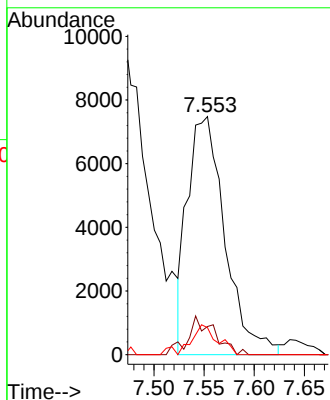
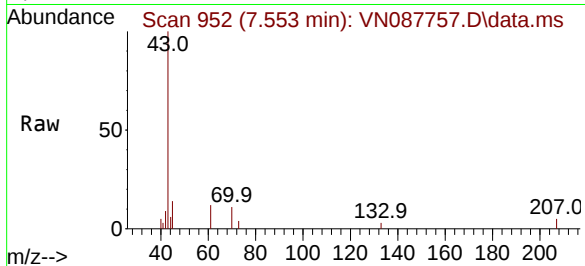




#37
Ethyl Acetate
Concen: 3.134 ug/l
RT: 7.553 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN087757.D
Acq: 08 Sep 2025 13:40

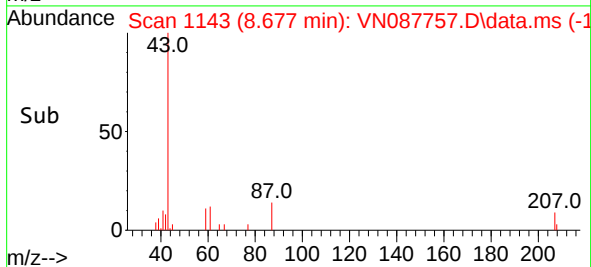
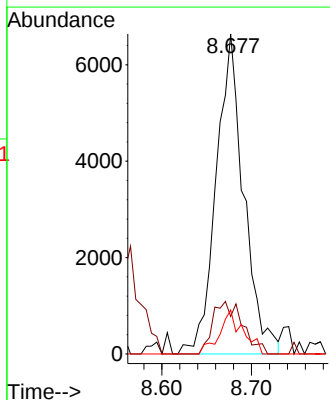
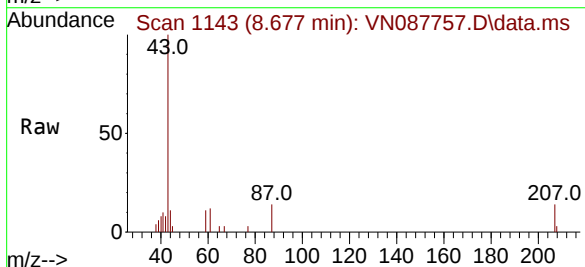
Instrument :
MSVOA_N
ClientSampleId :
TP-1

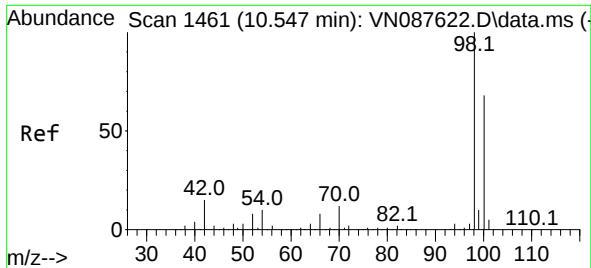
Tgt Ion: 43 Resp: 19439
Ion Ratio Lower Upper
43 100
61 11.6 9.3 13.9
70 8.4 7.0 10.6



#43
Isopropyl Acetate
Concen: 1.467 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN087757.D
Acq: 08 Sep 2025 13:40

Tgt Ion: 43 Resp: 14204
Ion Ratio Lower Upper
43 100
61 17.7 18.8 28.2#
87 11.6 9.6 14.4

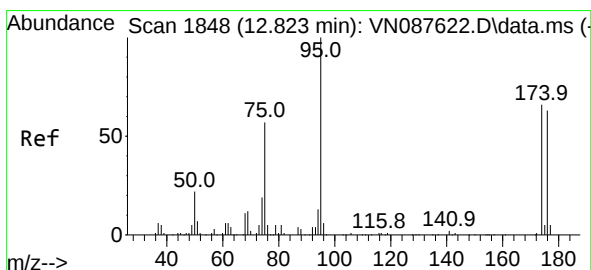
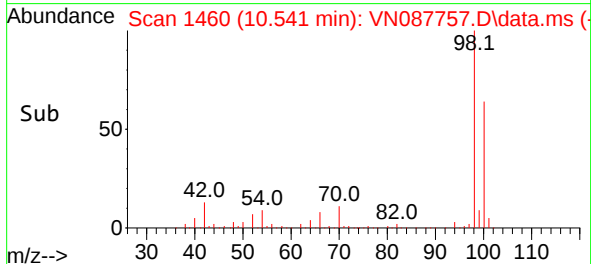
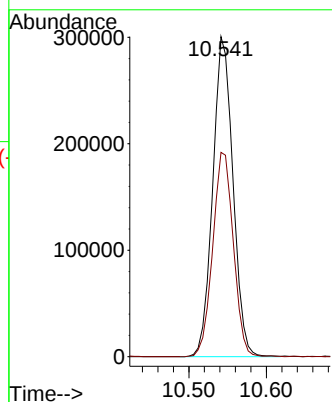
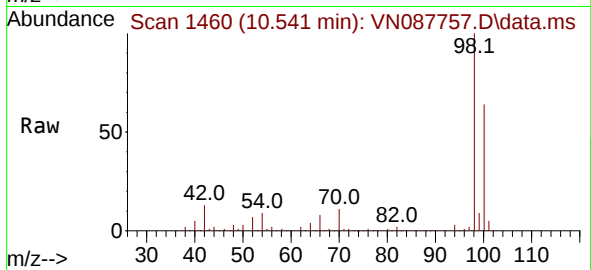




#50
Toluene-d8
Concen: 49.138 ug/l
RT: 10.541 min Scan# 1461
Delta R.T. -0.006 min
Lab File: VN087757.D
Acq: 08 Sep 2025 13:40

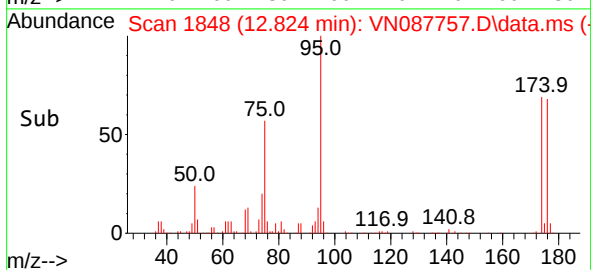
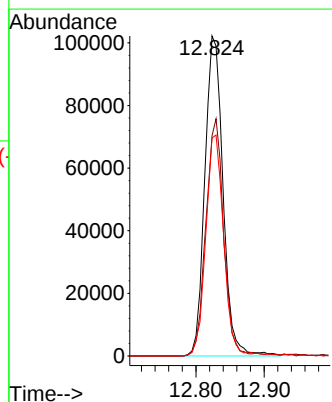
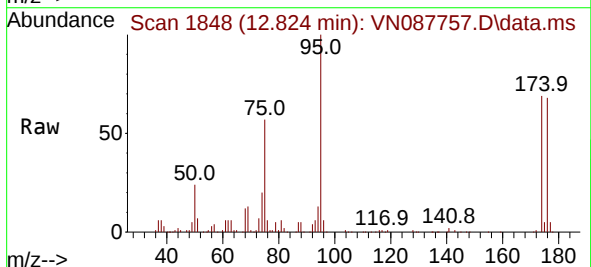
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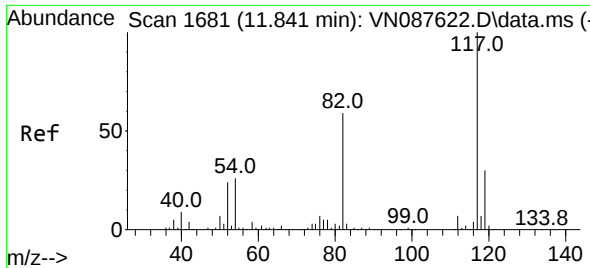
Tgt Ion: 98 Resp: 544162
Ion Ratio Lower Upper
98 100
100 65.2 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 48.188 ug/l
RT: 12.824 min Scan# 1848
Delta R.T. 0.000 min
Lab File: VN087757.D
Acq: 08 Sep 2025 13:40

Tgt Ion: 95 Resp: 189781
Ion Ratio Lower Upper
95 100
174 72.1 0.0 138.4
176 68.4 0.0 132.6

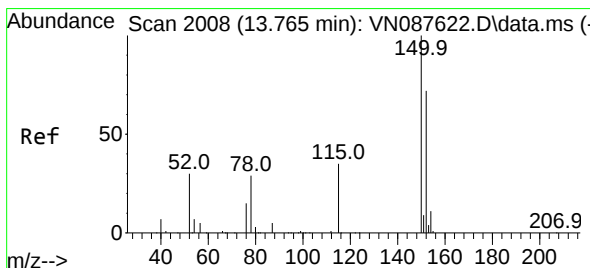
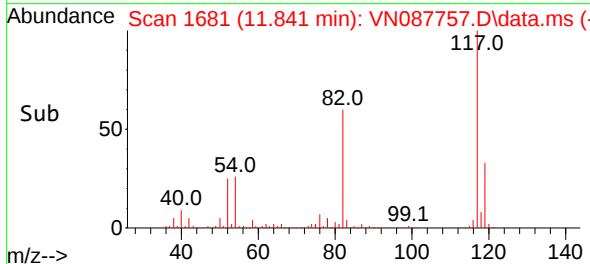
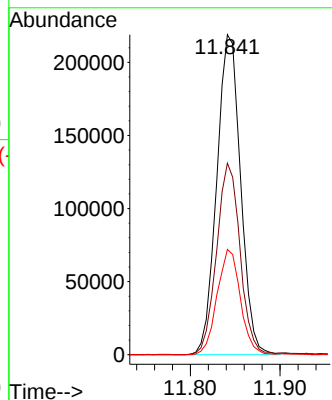
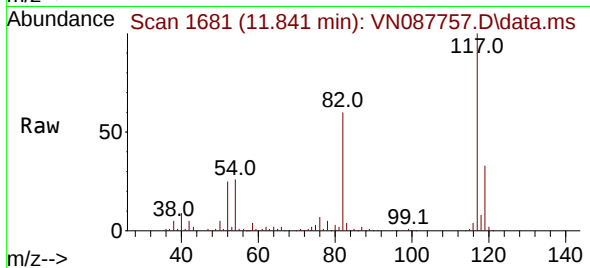




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087757.D
Acq: 08 Sep 2025 13:40

Instrument :
MSVOA_N
ClientSampleId :
TP-1

Tgt Ion:117 Resp: 404049
Ion Ratio Lower Upper
117 100
82 59.9 47.4 71.2
119 32.9 24.3 36.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.771 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN087757.D
Acq: 08 Sep 2025 13:40

Tgt Ion:152 Resp: 188140
Ion Ratio Lower Upper
152 100
115 61.6 32.3 96.8
150 158.2 0.0 351.0

