

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090825\
 Data File : VN087758.D
 Acq On : 08 Sep 2025 14:01
 Operator : JC\MD
 Sample : Q3023-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-2

Quant Time: Sep 09 02:28:43 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)

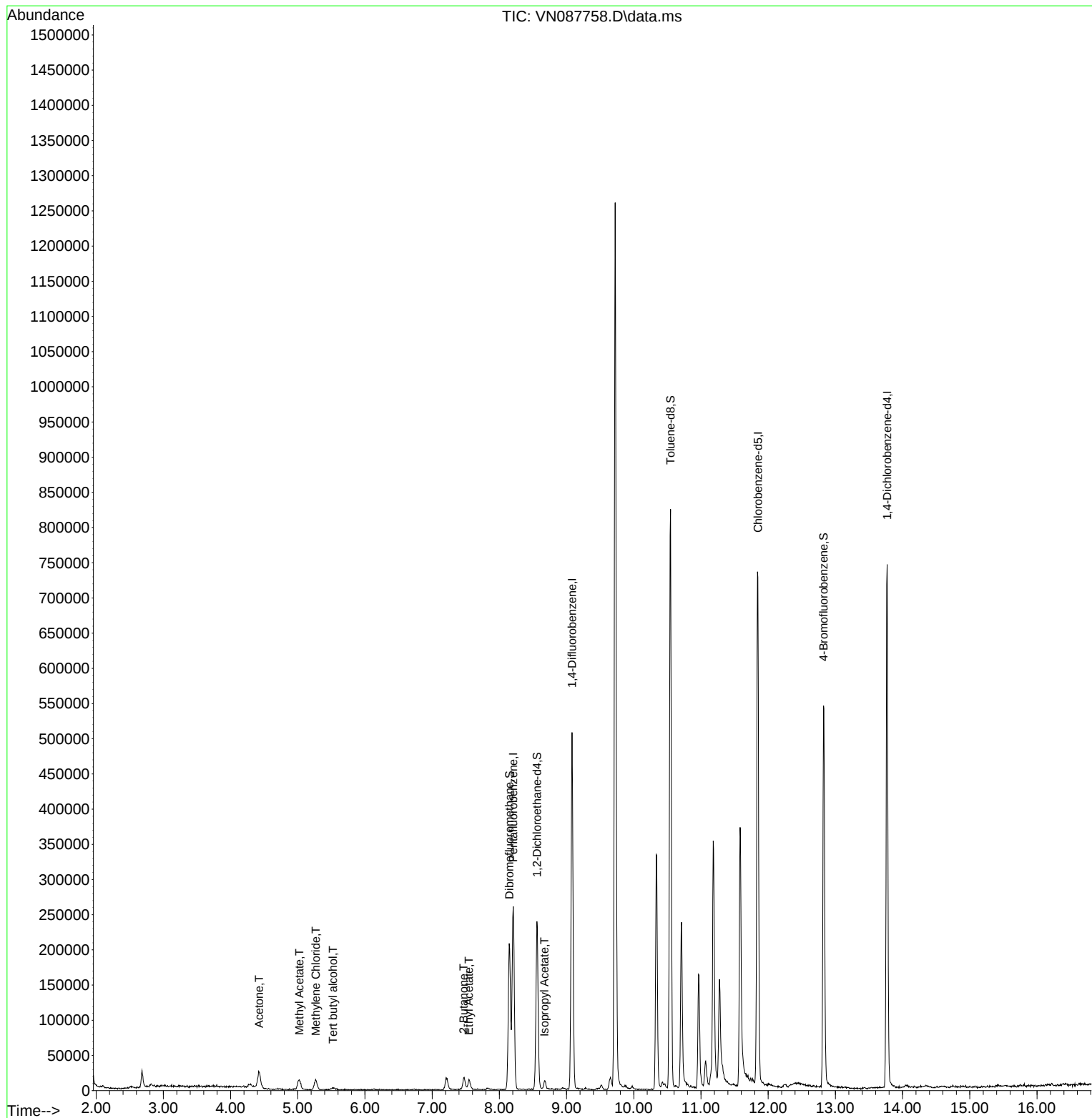
Internal Standards						
1) Pentafluorobenzene	8.206	168	172548	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	407666	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	412814	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	189784	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	189265	53.536	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 107.080%		
35) Dibromofluoromethane	8.147	113	149903	50.930	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 101.860%		
50) Toluene-d8	10.547	98	542449	49.240	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 98.480%		
62) 4-Bromofluorobenzene	12.823	95	191931	48.990	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 97.980%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.524	59	4934	8.039	ug/l #	74
16) Acetone	4.424	43	46452	24.137	ug/l	93
18) Methyl Acetate	5.024	43	31874	7.910	ug/l	98
20) Methylene Chloride	5.271	84	10154	2.468	ug/l #	80
25) 2-Butanone	7.471	43	28475	11.246	ug/l	98
37) Ethyl Acetate	7.547	43	22970	3.723	ug/l #	94
43) Isopropyl Acetate	8.671	43	14888	1.545	ug/l #	85

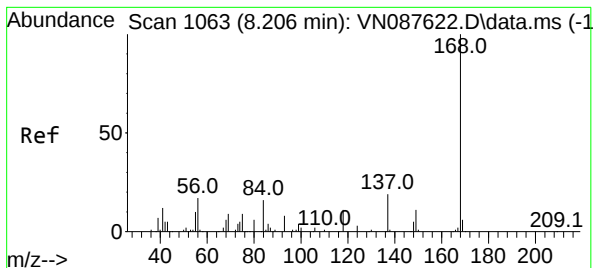
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

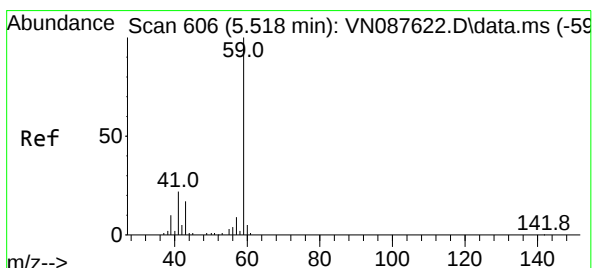
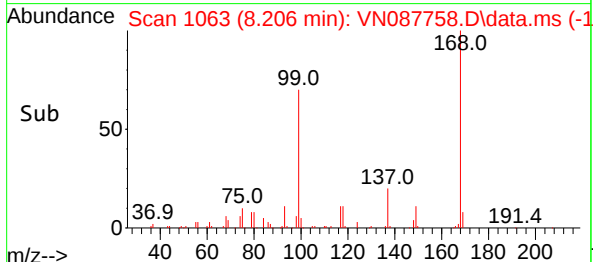
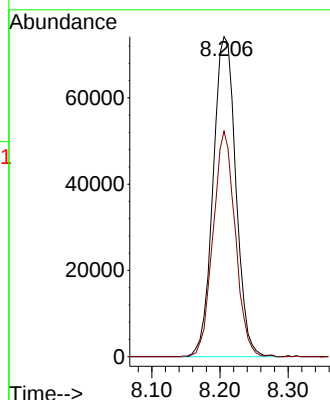
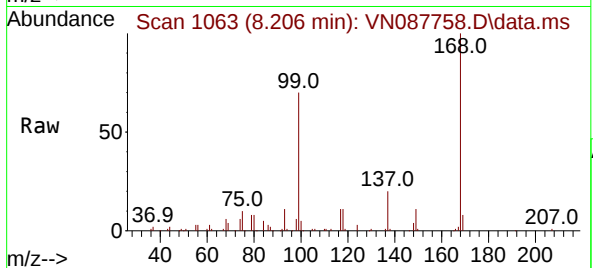




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VN087758.D
Acq: 08 Sep 2025 14:01

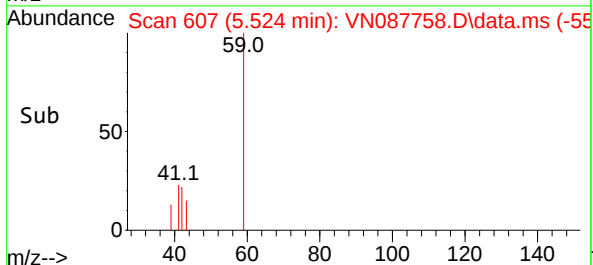
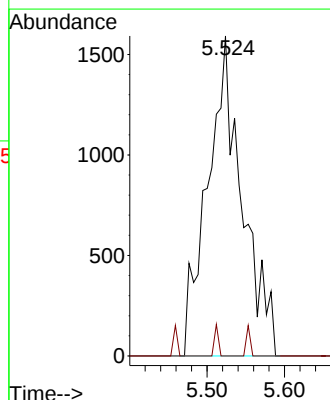
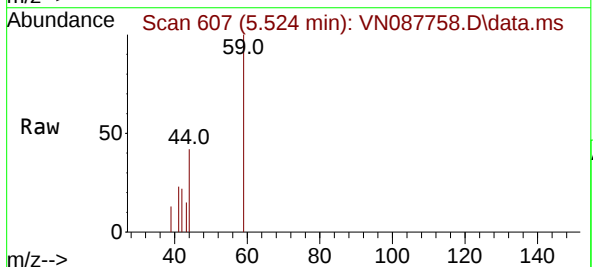
Instrument :
MSVOA_N
ClientSampleId :
TP-2

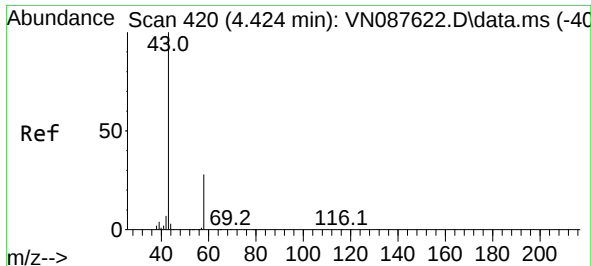
Tgt Ion:168 Resp: 172548
Ion Ratio Lower Upper
168 100
99 70.4 57.2 85.8



#11
Tert butyl alcohol
Concen: 8.039 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.006 min
Lab File: VN087758.D
Acq: 08 Sep 2025 14:01

Tgt Ion: 59 Resp: 4934
Ion Ratio Lower Upper
59 100
57 1.1 9.0 13.4#

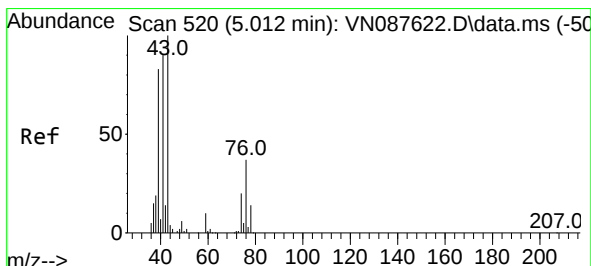
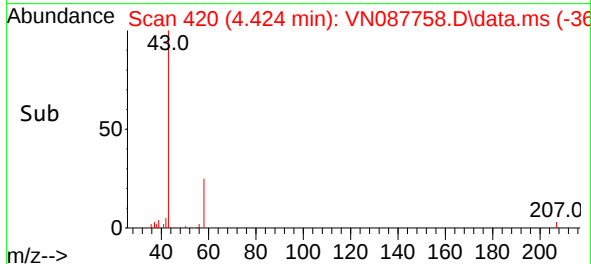
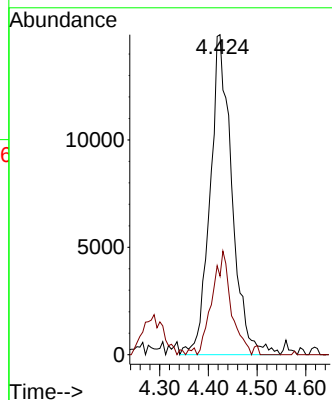
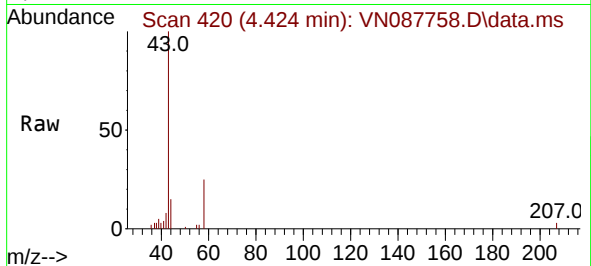




#16
Acetone
Concen: 24.137 ug/l
RT: 4.424 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN087758.D
Acq: 08 Sep 2025 14:01

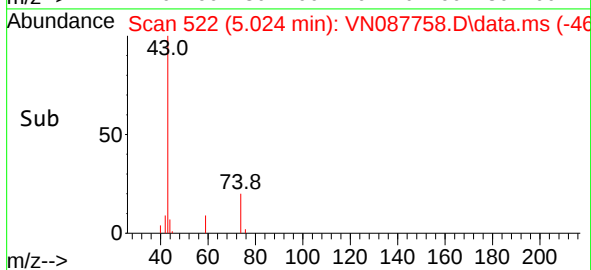
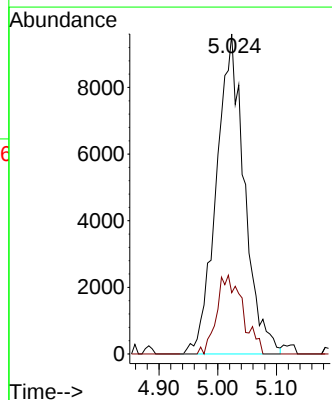
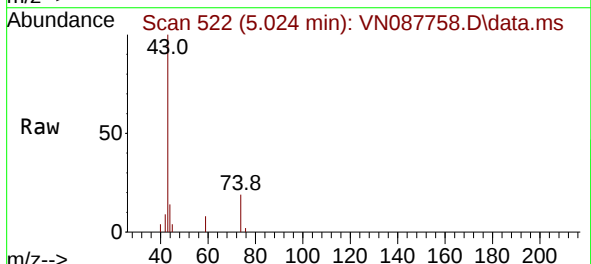
Instrument :
MSVOA_N
ClientSampleId :
TP-2

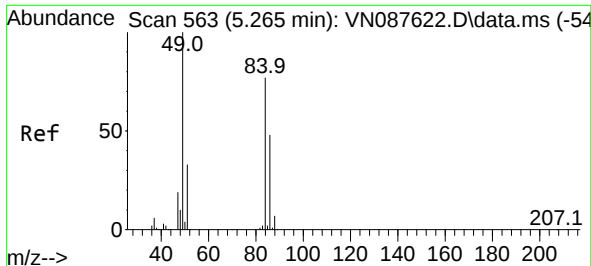
Tgt Ion: 43 Resp: 46452
Ion Ratio Lower Upper
43 100
58 24.6 22.6 33.8



#18
Methyl Acetate
Concen: 7.910 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.012 min
Lab File: VN087758.D
Acq: 08 Sep 2025 14:01

Tgt Ion: 43 Resp: 31874
Ion Ratio Lower Upper
43 100
74 22.8 17.6 26.4

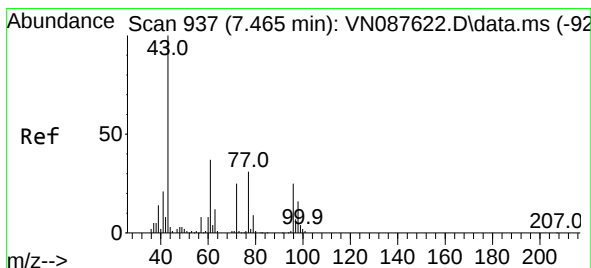
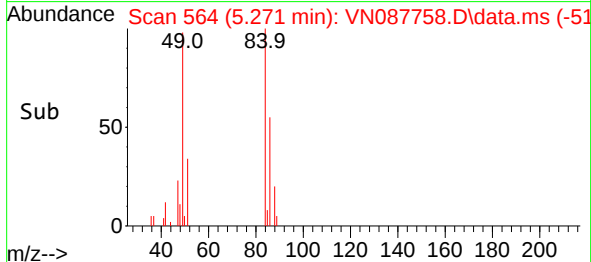
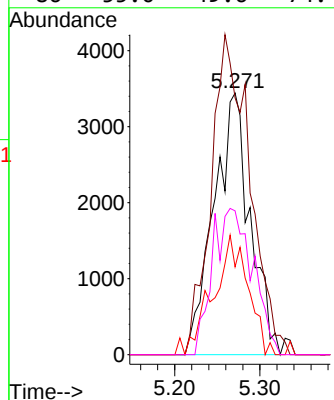
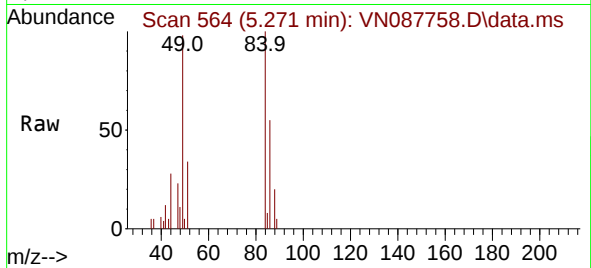




#20
Methylene Chloride
Concen: 2.468 ug/l
RT: 5.271 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN087758.D
Acq: 08 Sep 2025 14:01

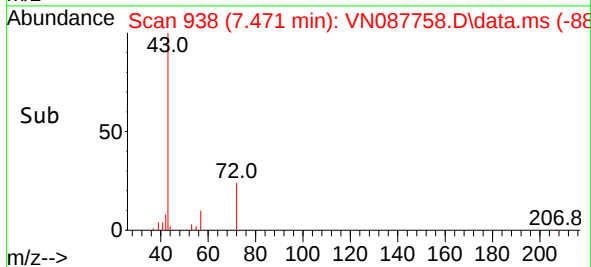
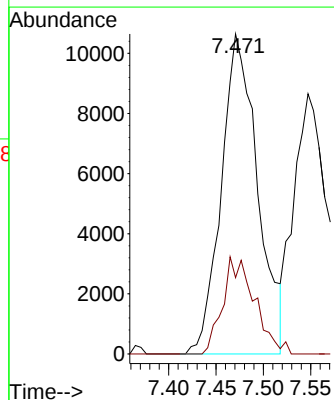
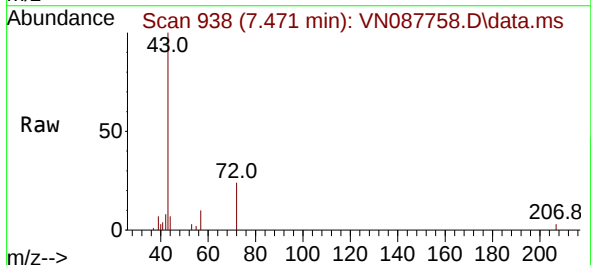
Instrument :
MSVOA_N
ClientSampleId :
TP-2

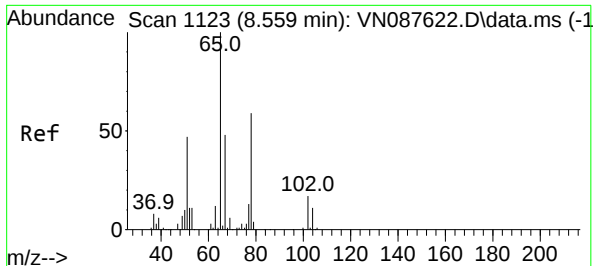
Tgt Ion:	84	Resp:	10154
Ion	Ratio	Lower	Upper
84	100		
49	98.2	103.4	155.2#
51	33.6	33.8	50.8#
86	55.0	49.6	74.4



#25
2-Butanone
Concen: 11.246 ug/l
RT: 7.471 min Scan# 938
Delta R.T. 0.006 min
Lab File: VN087758.D
Acq: 08 Sep 2025 14:01

Tgt Ion:	43	Resp:	28475
Ion	Ratio	Lower	Upper
43	100		
72	23.9	19.9	29.9





#33

1,2-Dichloroethane-d4

Concen: 53.536 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.000 min

Lab File: VN087758.D

Acq: 08 Sep 2025 14:01

Instrument :

MSVOA_N

ClientSampleId :

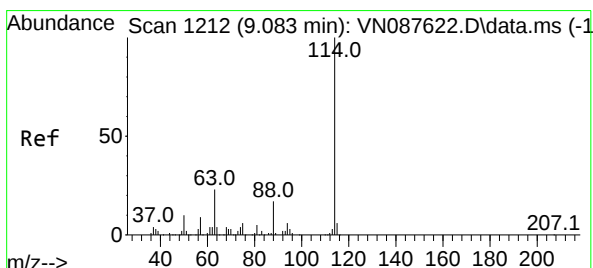
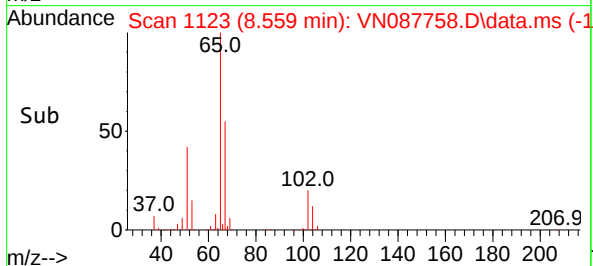
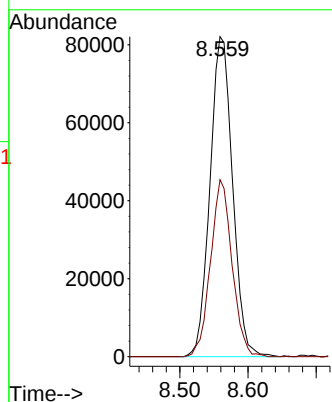
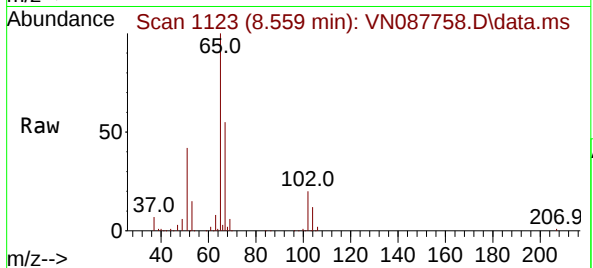
TP-2

Tgt Ion: 65 Resp: 189265

Ion Ratio Lower Upper

65 100

67 52.8 0.0 100.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN087758.D

Acq: 08 Sep 2025 14:01

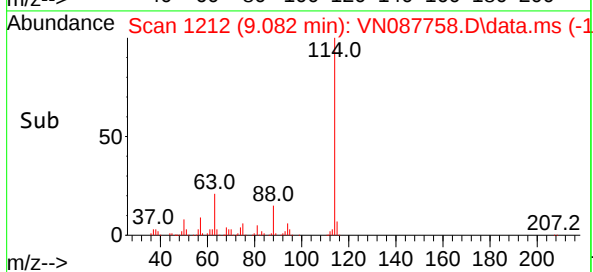
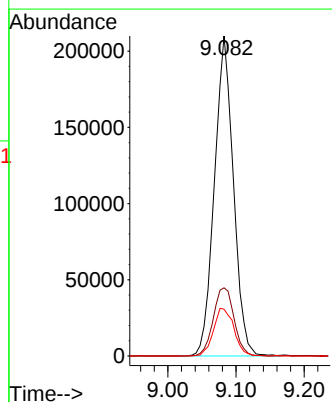
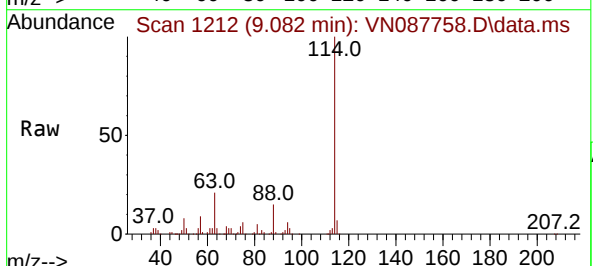
Tgt Ion: 114 Resp: 407666

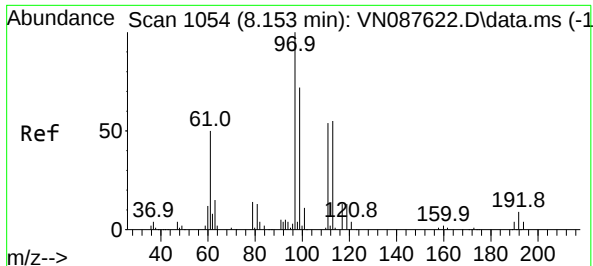
Ion Ratio Lower Upper

114 100

63 21.3 0.0 45.2

88 14.6 0.0 33.4

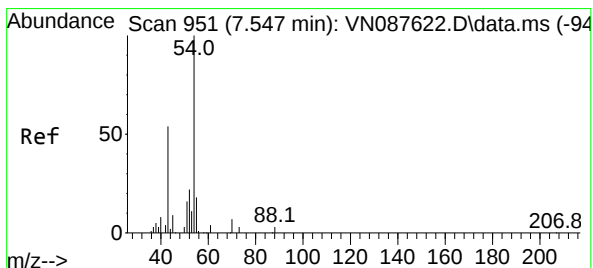
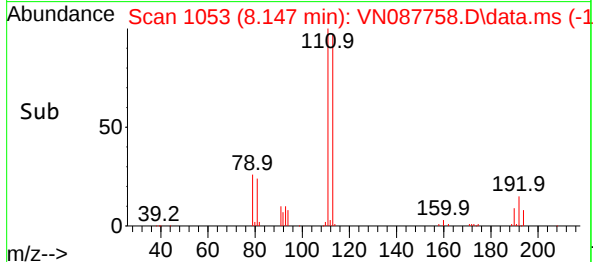
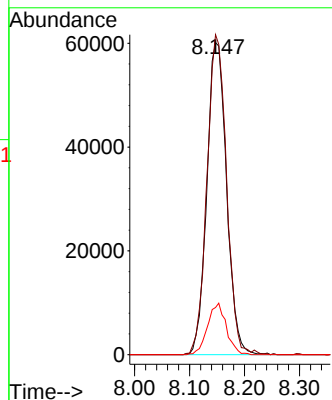
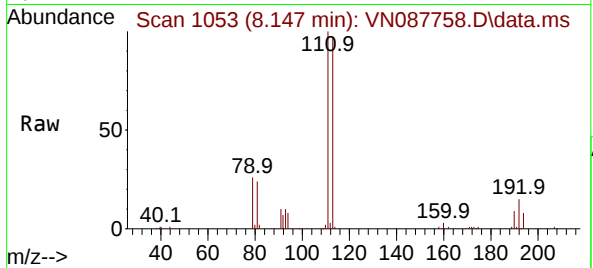




#35
Dibromofluoromethane
Concen: 50.930 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN087758.D
Acq: 08 Sep 2025 14:01

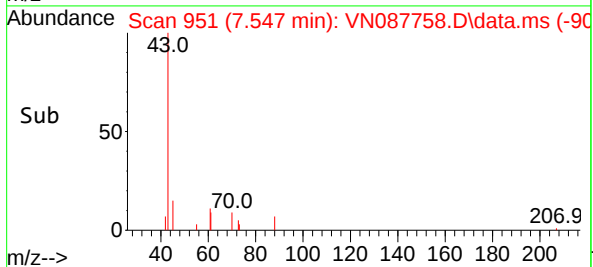
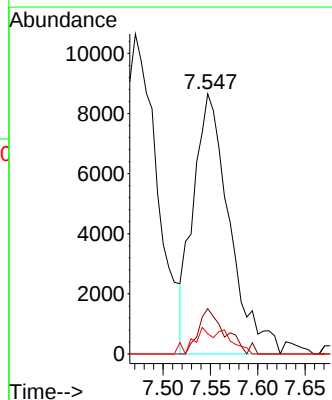
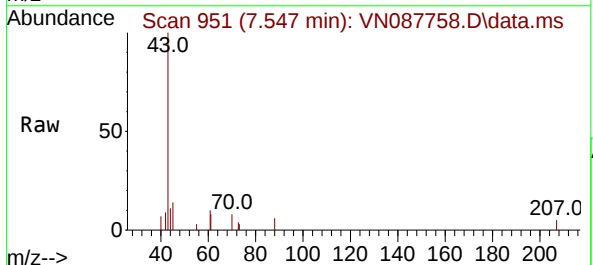
Instrument :
MSVOA_N
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TP-2

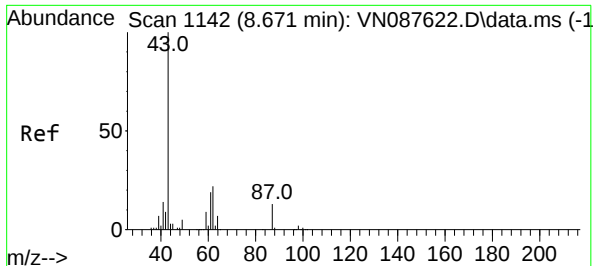
Tgt Ion:113 Resp: 149903
Ion Ratio Lower Upper
113 100
111 101.8 82.8 124.2
192 15.7 12.8 19.2



#37
Ethyl Acetate
Concen: 3.723 ug/l
RT: 7.547 min Scan# 951
Delta R.T. -0.000 min
Lab File: VN087758.D
Acq: 08 Sep 2025 14:01

Tgt Ion: 43 Resp: 22970
Ion Ratio Lower Upper
43 100
61 12.4 9.3 13.9
70 5.2 7.0 10.6#

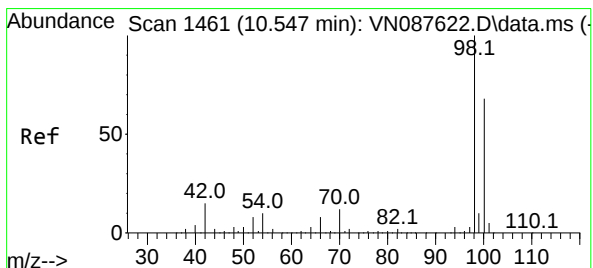
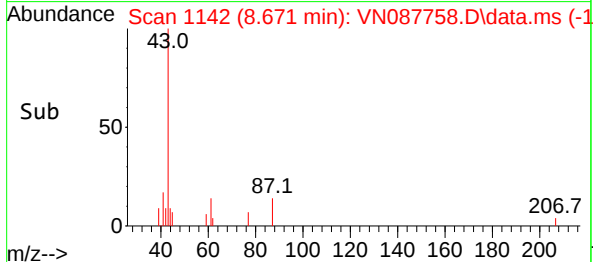
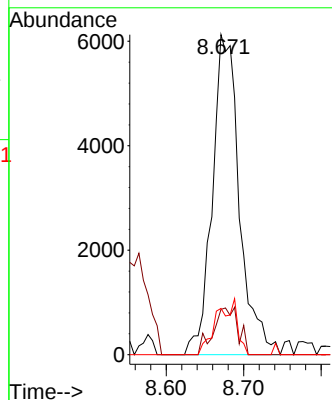
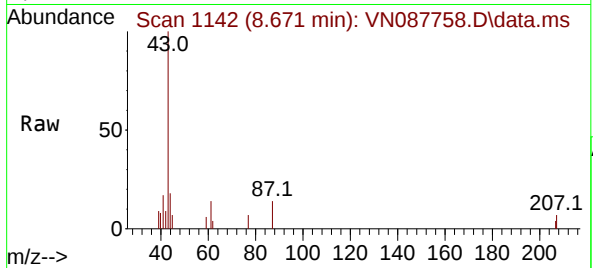




#43
Isopropyl Acetate
Concen: 1.545 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN087758.D
Acq: 08 Sep 2025 14:01

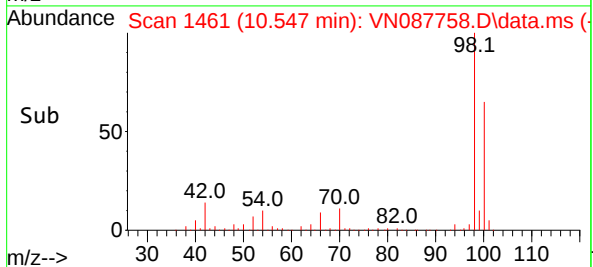
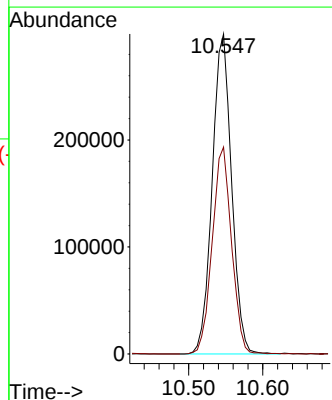
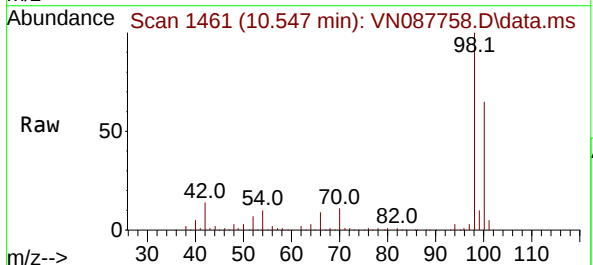
Instrument :
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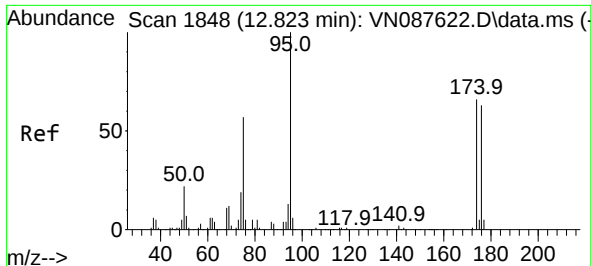
Tgt Ion: 43 Resp: 14888
Ion Ratio Lower Upper
43 100
61 13.5 18.8 28.2#
87 13.3 9.6 14.4



#50
Toluene-d8
Concen: 49.240 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087758.D
Acq: 08 Sep 2025 14:01

Tgt Ion: 98 Resp: 542449
Ion Ratio Lower Upper
98 100
100 64.4 52.8 79.2

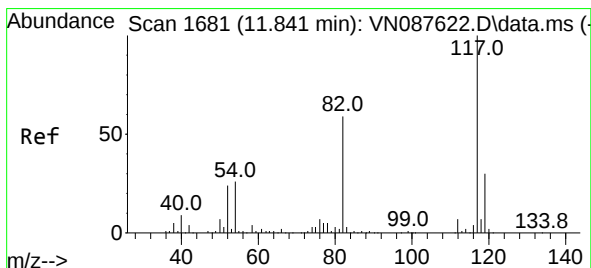
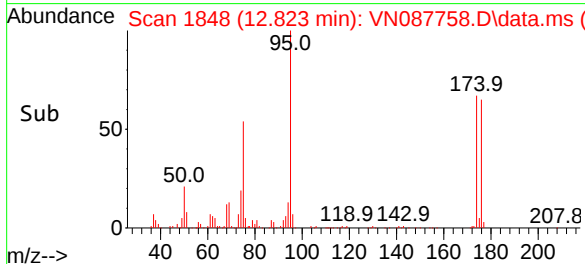
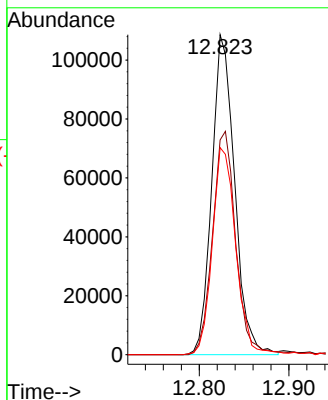
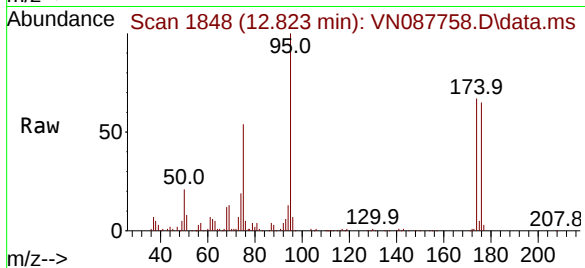




#62
4-Bromofluorobenzene
Concen: 48.990 ug/l
RT: 12.823 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087758.D
Acq: 08 Sep 2025 14:01

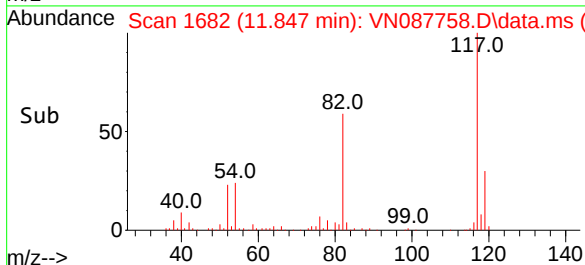
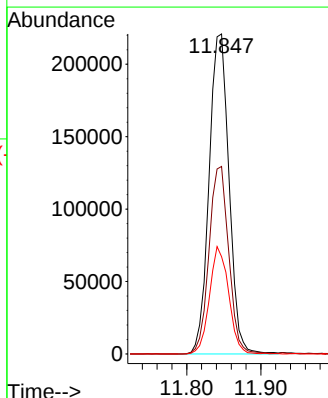
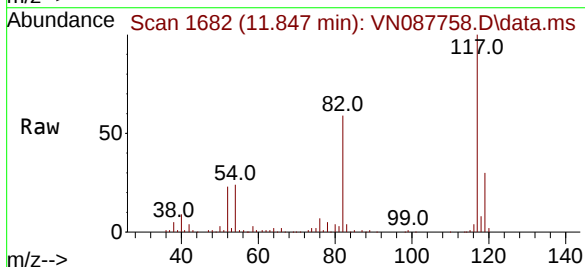
Instrument :
MSVOA_N
ClientSampleId :
TP-2

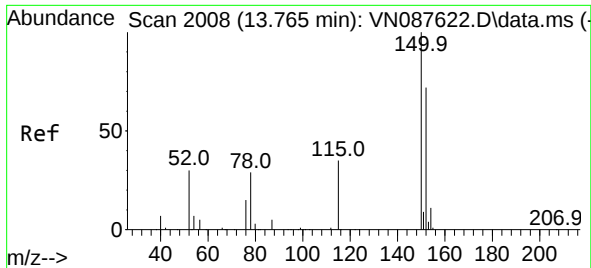
Tgt Ion: 95 Resp: 191931
Ion Ratio Lower Upper
95 100
174 71.5 0.0 138.4
176 66.5 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN087758.D
Acq: 08 Sep 2025 14:01

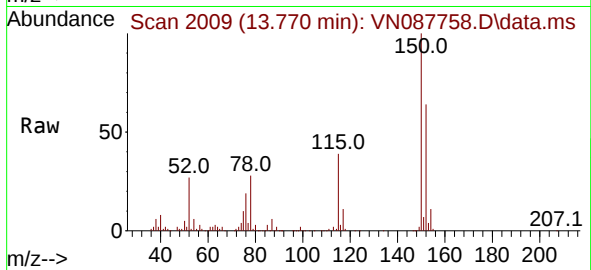
Tgt Ion: 117 Resp: 412814
Ion Ratio Lower Upper
117 100
82 58.6 47.4 71.2
119 30.4 24.3 36.5





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.770 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VN087758.D
 Acq: 08 Sep 2025 14:01

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-2



Tgt Ion:152 Resp: 189784
 Ion Ratio Lower Upper
 152 100
 115 63.9 32.3 96.8
 150 157.6 0.0 351.0

