

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
 Data File : VN087537.D
 Acq On : 13 Aug 2025 15:58
 Operator : JC\MD
 Sample : Q2827-04RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-8RE

Quant Time: Aug 14 04:02:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

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

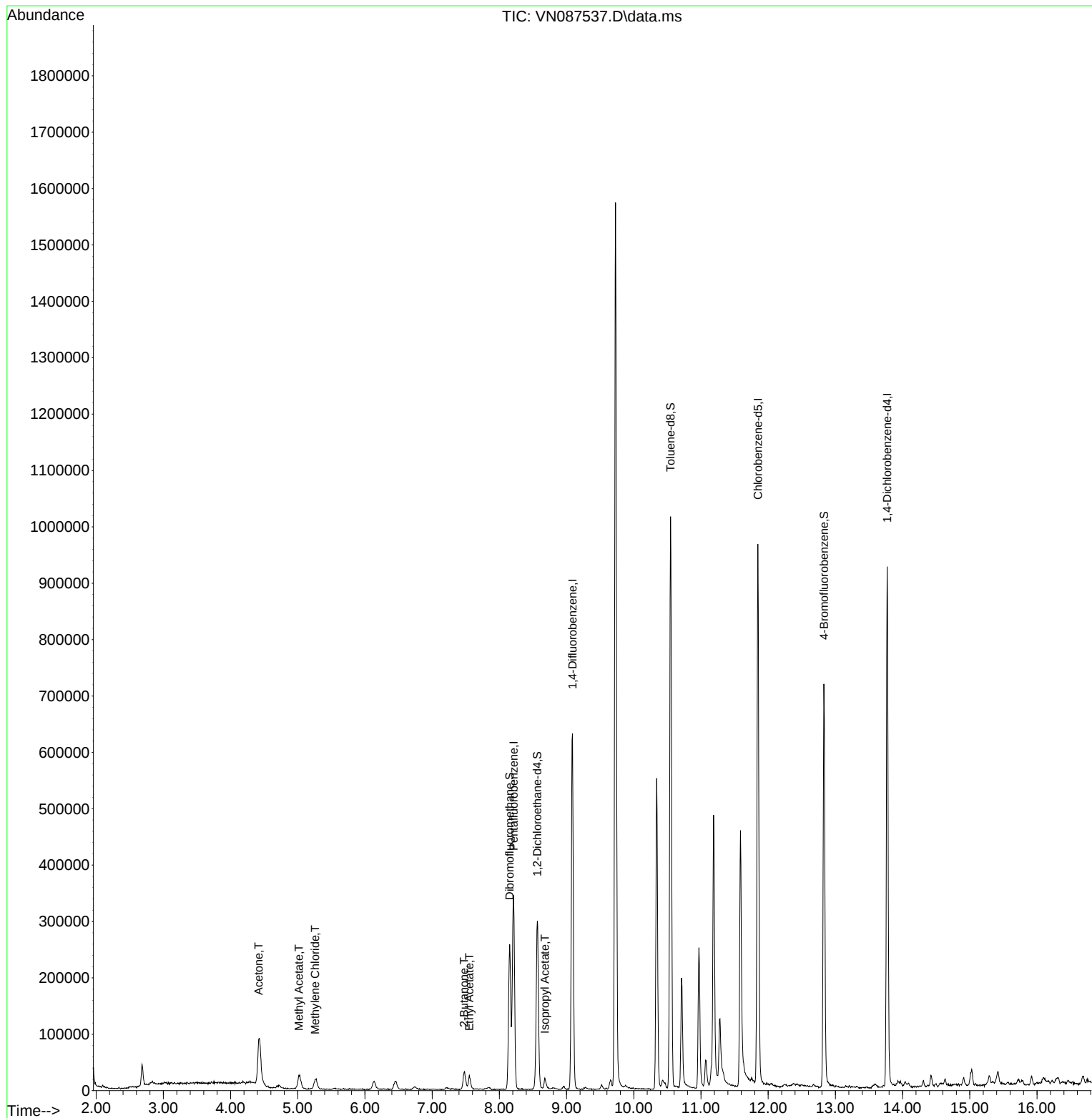
Internal Standards						
1) Pentafluorobenzene	8.212	168	230998	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.088	114	521802	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	504489	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	231489	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	255832	65.271	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	130.540%	#
35) Dibromofluoromethane	8.153	113	179656	49.913	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	99.820%	
50) Toluene-d8	10.547	98	671937	52.334	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	104.660%	
62) 4-Bromofluorobenzene	12.829	95	254838	53.723	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	107.440%	
Target Compounds						
						Qvalue
16) Acetone	4.418	43	161095	87.658	ug/l	97
18) Methyl Acetate	5.018	43	54145	11.727	ug/l	98
20) Methylene Chloride	5.259	84	13861	3.871	ug/l	87
25) 2-Butanone	7.477	43	51108	17.999	ug/l	97
37) Ethyl Acetate	7.553	43	35753	5.206	ug/l	99
43) Isopropyl Acetate	8.677	43	21856	2.050	ug/l #	91

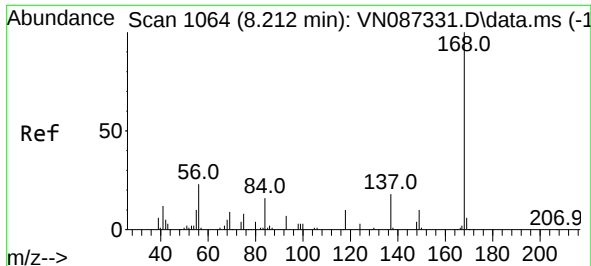
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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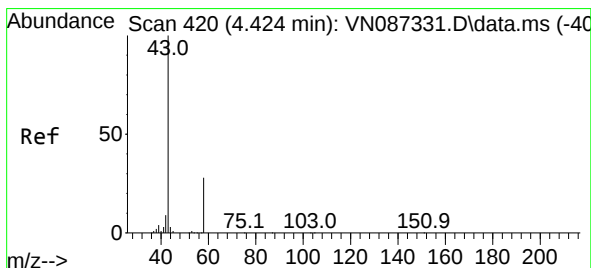
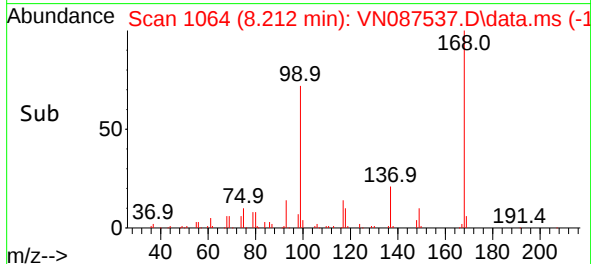
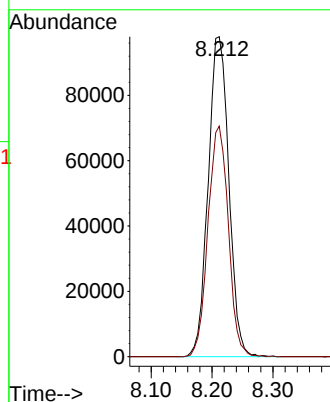
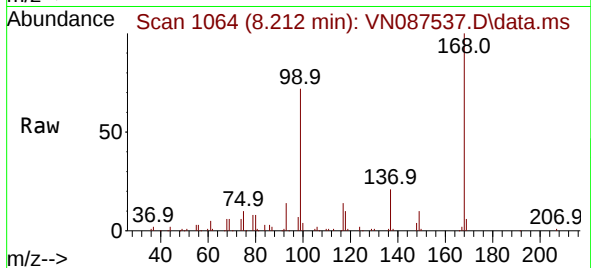




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087537.D
Acq: 13 Aug 2025 15:58

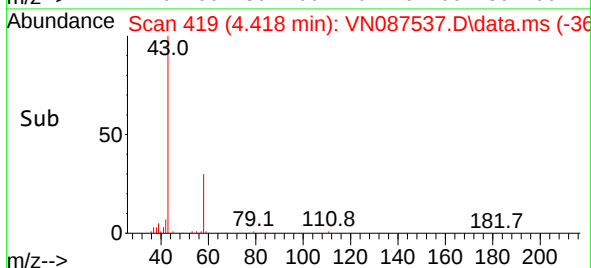
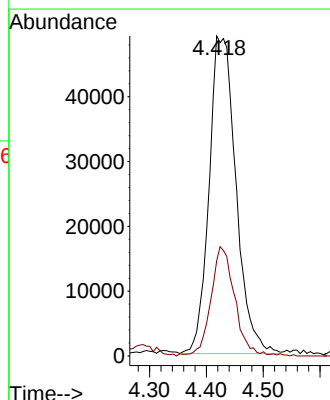
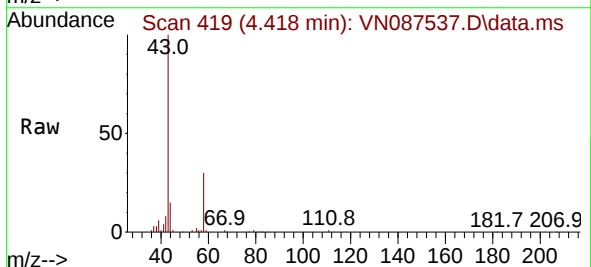
Instrument :
MSVOA_N
ClientSampleId :
TP-8RE

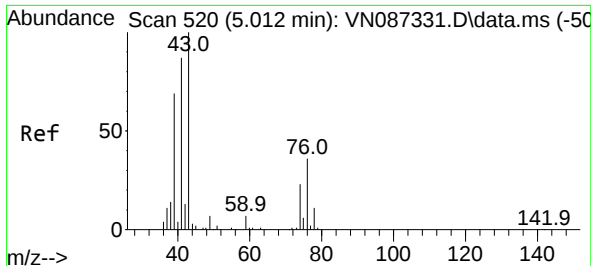
Tgt Ion:168 Resp: 230998
Ion Ratio Lower Upper
168 100
99 72.1 47.9 71.9#



#16
Acetone
Concen: 87.658 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.006 min
Lab File: VN087537.D
Acq: 13 Aug 2025 15:58

Tgt Ion: 43 Resp: 161095
Ion Ratio Lower Upper
43 100
58 29.4 22.3 33.5

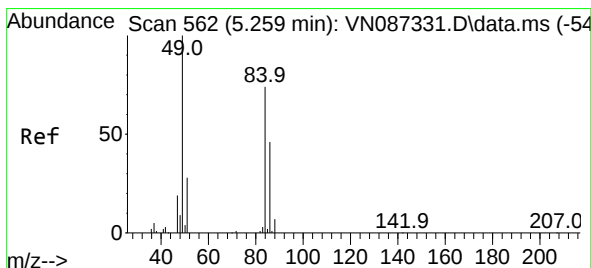
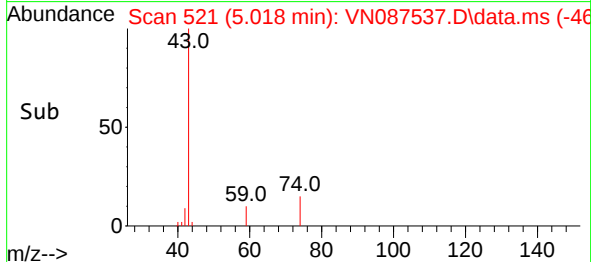
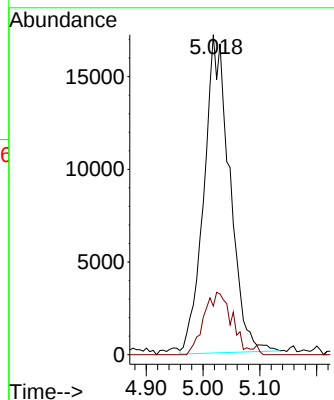
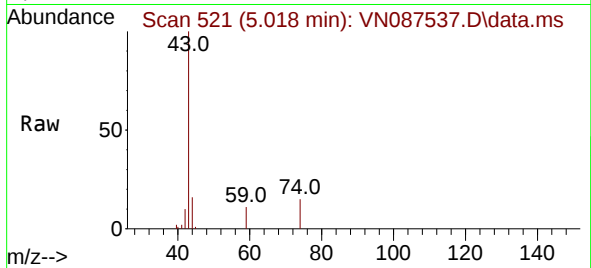




#18
Methyl Acetate
Concen: 11.727 ug/l
RT: 5.018 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN087537.D
Acq: 13 Aug 2025 15:58

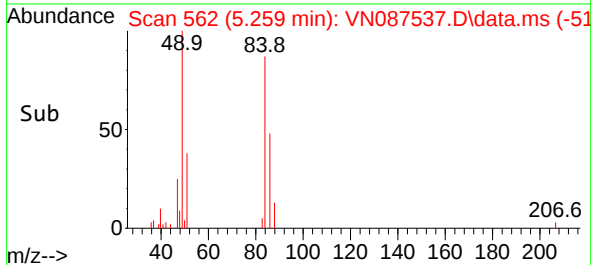
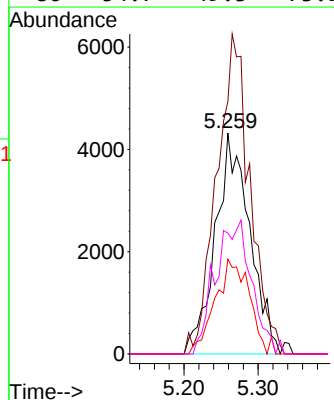
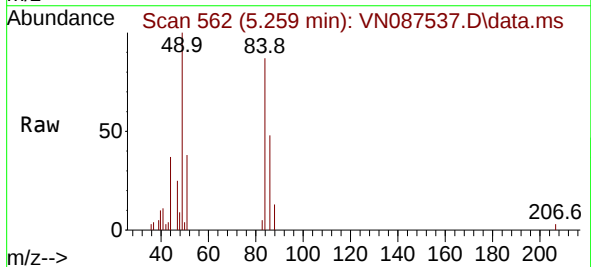
Instrument :
MSVOA_N
ClientSampleId :
TP-8RE

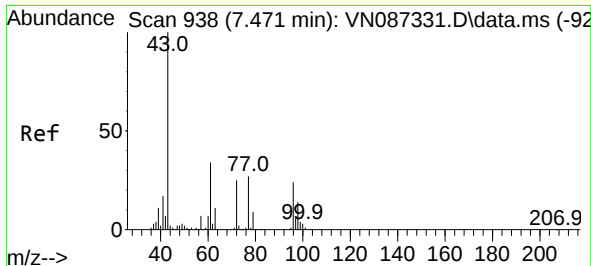
Tgt Ion: 43 Resp: 54145
Ion Ratio Lower Upper
43 100
74 21.2 17.8 26.6



#20
Methylene Chloride
Concen: 3.871 ug/l
RT: 5.259 min Scan# 562
Delta R.T. 0.000 min
Lab File: VN087537.D
Acq: 13 Aug 2025 15:58

Tgt Ion: 84 Resp: 13861
Ion Ratio Lower Upper
84 100
49 114.3 107.5 161.3
51 42.9 30.2 45.2
86 54.7 49.3 73.9

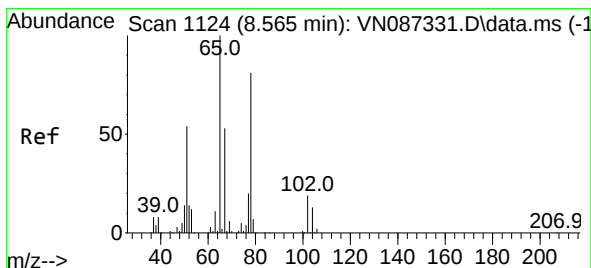
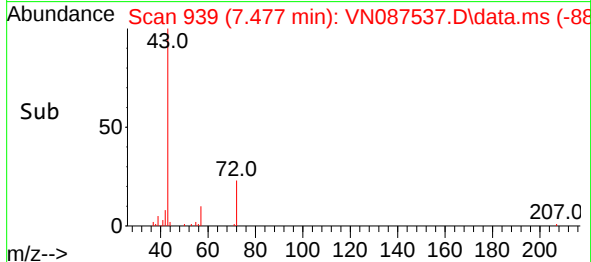
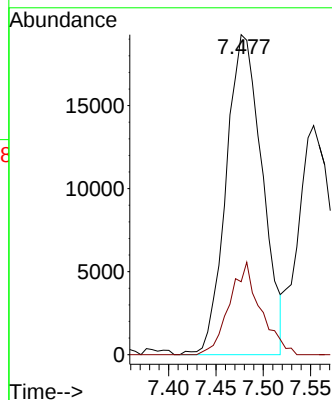
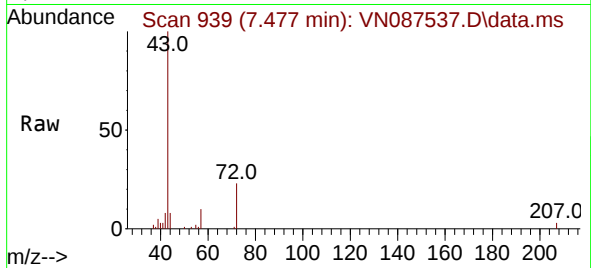




#25
2-Butanone
Concen: 17.999 ug/l
RT: 7.477 min Scan# 911
Delta R.T. 0.006 min
Lab File: VN087537.D
Acq: 13 Aug 2025 15:58

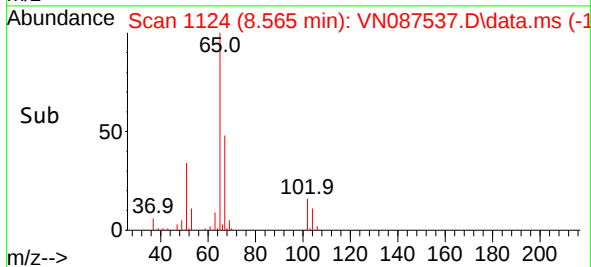
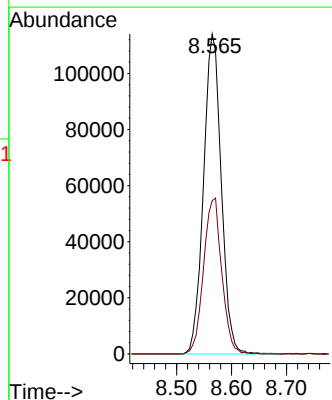
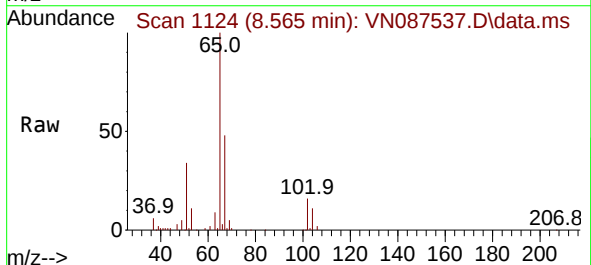
Instrument :
MSVOA_N
ClientSampleId :
TP-8RE

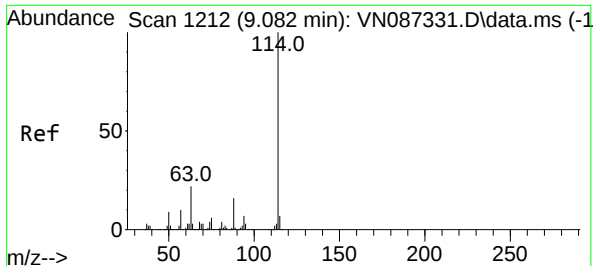
Tgt Ion: 43 Resp: 51108
Ion Ratio Lower Upper
43 100
72 22.8 19.6 29.4



#33
1,2-Dichloroethane-d4
Concen: 65.271 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.000 min
Lab File: VN087537.D
Acq: 13 Aug 2025 15:58

Tgt Ion: 65 Resp: 255832
Ion Ratio Lower Upper
65 100
67 49.9 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.088 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN087537.D

Acq: 13 Aug 2025 15:58

Instrument :

MSVOA_N

ClientSampleId :

TP-8RE

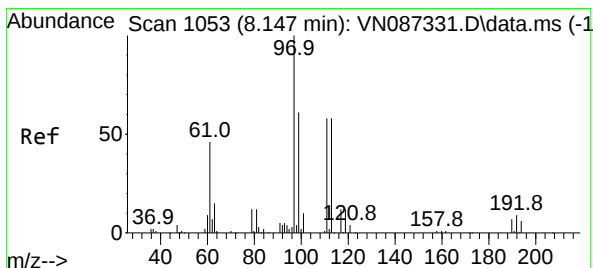
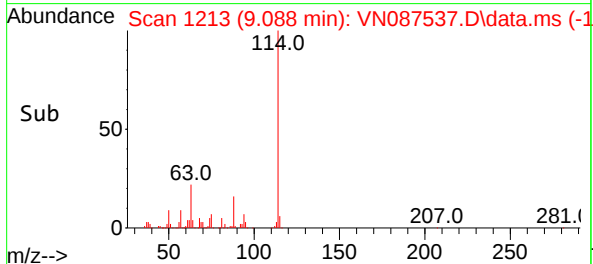
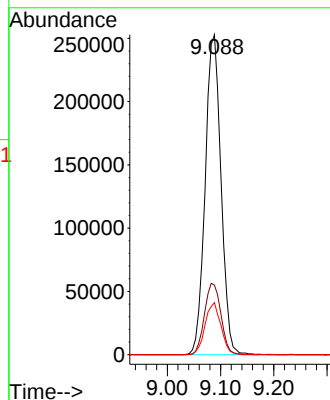
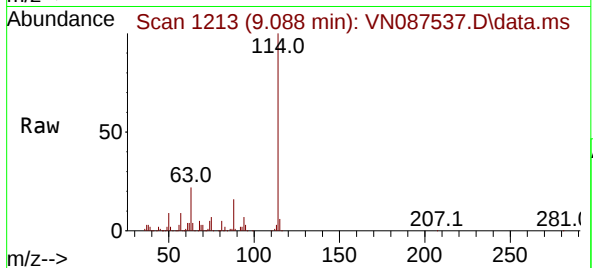
Tgt Ion:114 Resp: 521802

Ion Ratio Lower Upper

114 100

63 21.7 0.0 44.6

88 16.3 0.0 32.8



#35

Dibromofluoromethane

Concen: 49.913 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.006 min

Lab File: VN087537.D

Acq: 13 Aug 2025 15:58

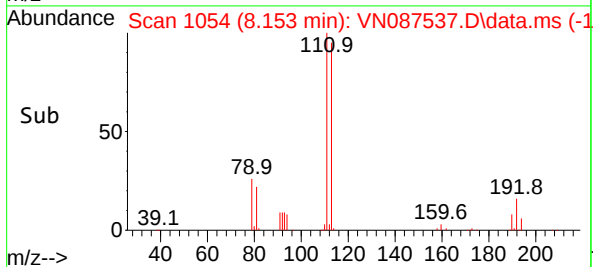
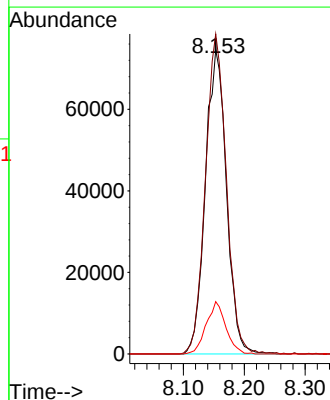
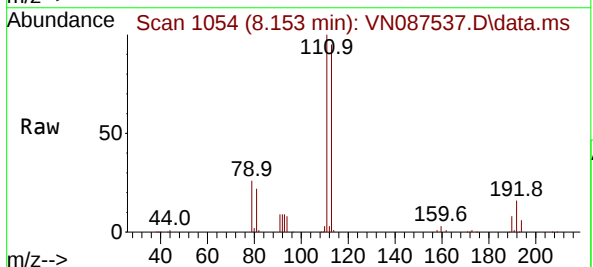
Tgt Ion:113 Resp: 179656

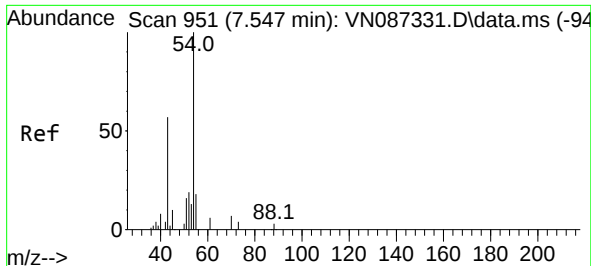
Ion Ratio Lower Upper

113 100

111 104.4 82.5 123.7

192 16.0 13.7 20.5





#37

Ethyl Acetate

Concen: 5.206 ug/l

RT: 7.553 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN087537.D

Acq: 13 Aug 2025 15:58

Instrument :

MSVOA_N

ClientSampleId :

TP-8RE

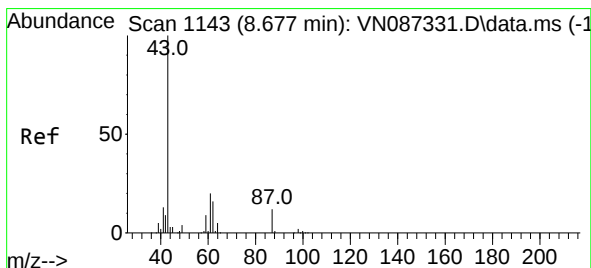
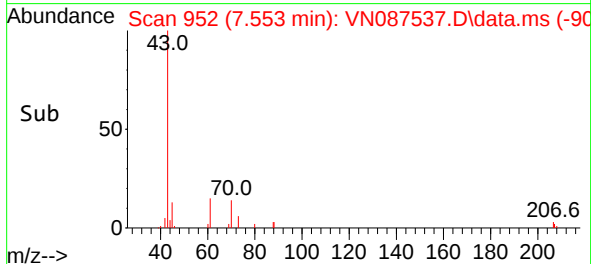
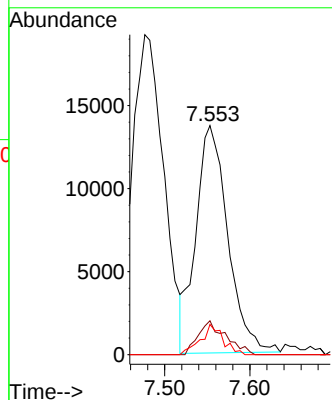
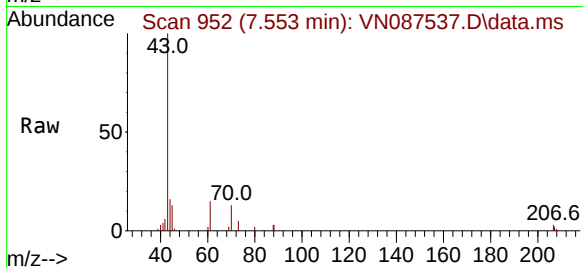
Tgt Ion: 43 Resp: 35753

Ion Ratio Lower Upper

43 100

61 12.9 10.9 16.3

70 9.4 7.4 11.0



#43

Isopropyl Acetate

Concen: 2.050 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. -0.000 min

Lab File: VN087537.D

Acq: 13 Aug 2025 15:58

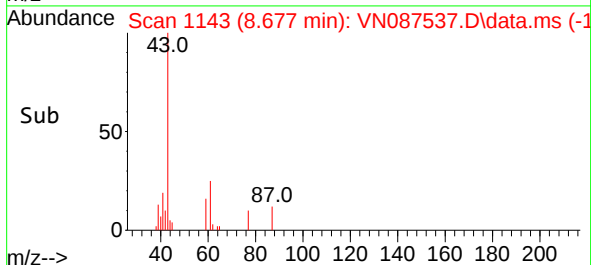
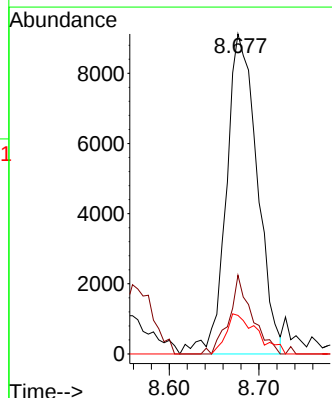
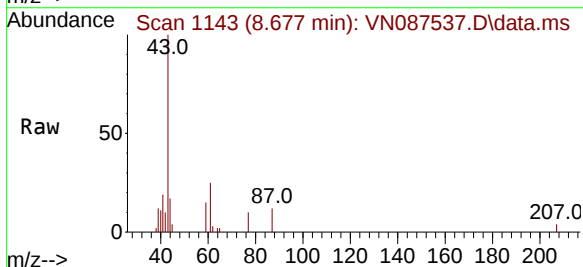
Tgt Ion: 43 Resp: 21856

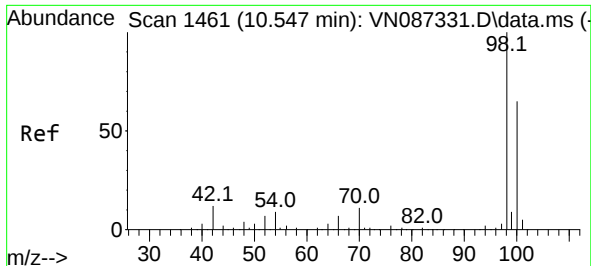
Ion Ratio Lower Upper

43 100

61 18.3 19.8 29.8#

87 12.4 9.8 14.6

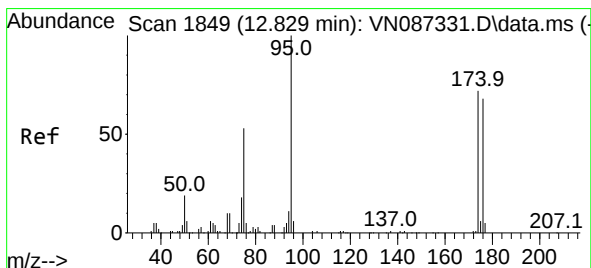
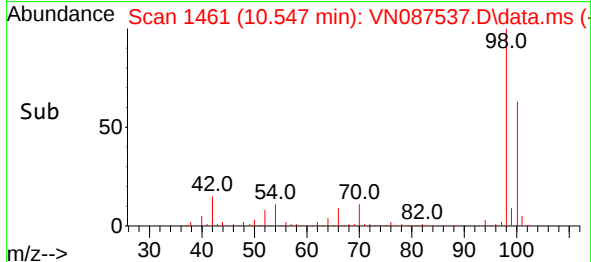
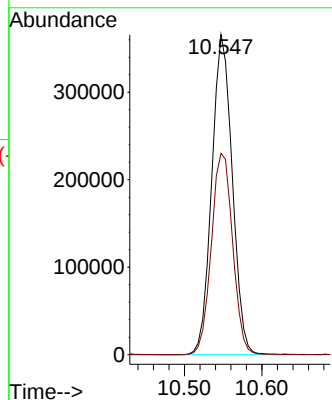
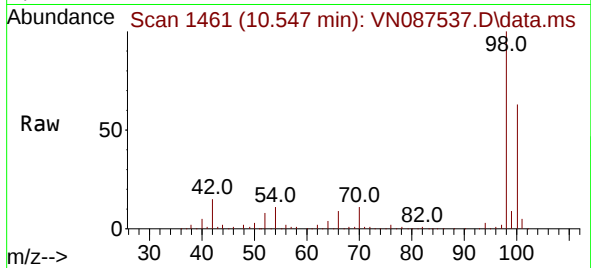




#50
Toluene-d8
Concen: 52.334 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087537.D
Acq: 13 Aug 2025 15:58

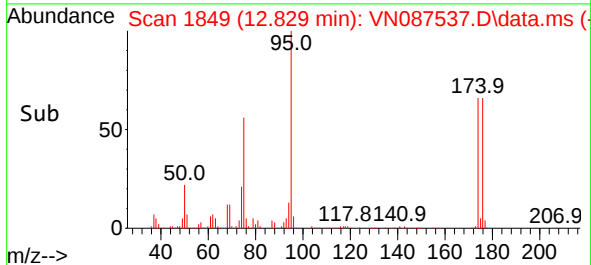
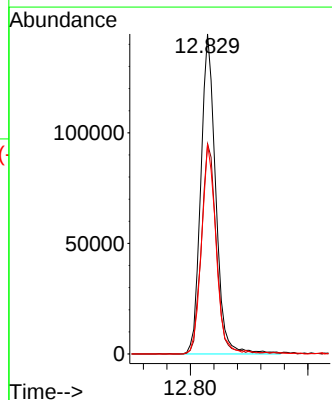
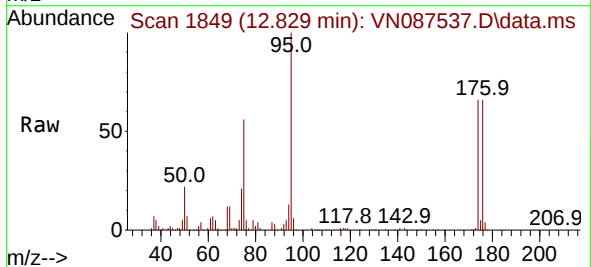
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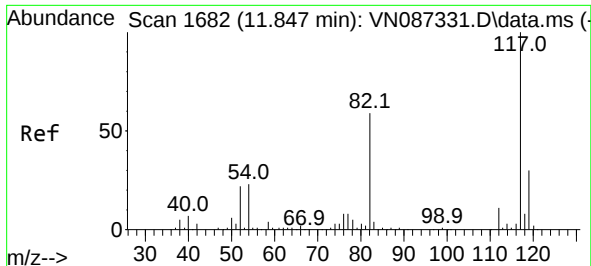
Tgt Ion: 98 Resp: 671937
Ion Ratio Lower Upper
98 100
100 65.4 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 53.723 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087537.D
Acq: 13 Aug 2025 15:58

Tgt Ion: 95 Resp: 254838
Ion Ratio Lower Upper
95 100
174 65.9 0.0 149.4
176 63.6 0.0 141.2

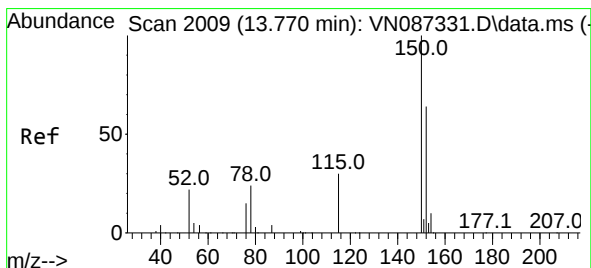
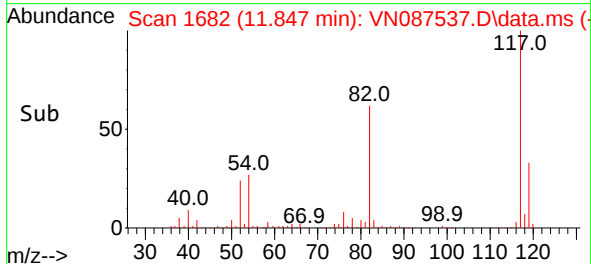
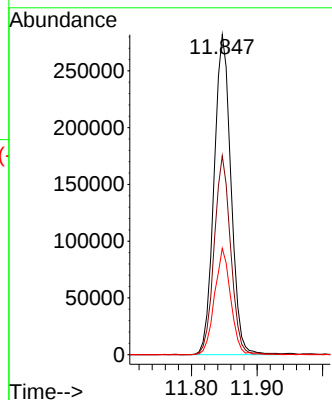
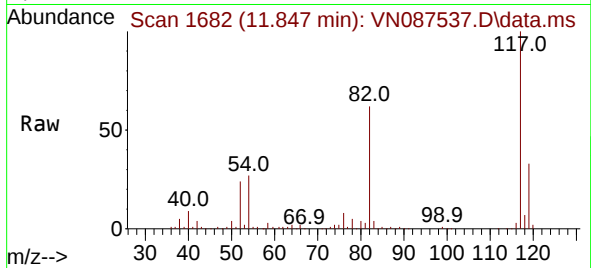




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087537.D
Acq: 13 Aug 2025 15:58

Instrument :
MSVOA_N
ClientSampleId :
TP-8RE

Tgt Ion:117 Resp: 504489
Ion Ratio Lower Upper
117 100
82 62.1 47.4 71.2
119 33.3 23.8 35.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN087537.D
Acq: 13 Aug 2025 15:58

Tgt Ion:152 Resp: 231489
Ion Ratio Lower Upper
152 100
115 66.6 31.1 93.5
150 159.1 0.0 349.0

