

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070325\
 Data File : VN087269.D
 Acq On : 03 Jul 2025 14:24
 Operator : JC\MD
 Sample : Q2487-19
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 G3(9)

Quant Time: Jul 04 02:34:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:15:00 2025
 Response via : Initial Calibration

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

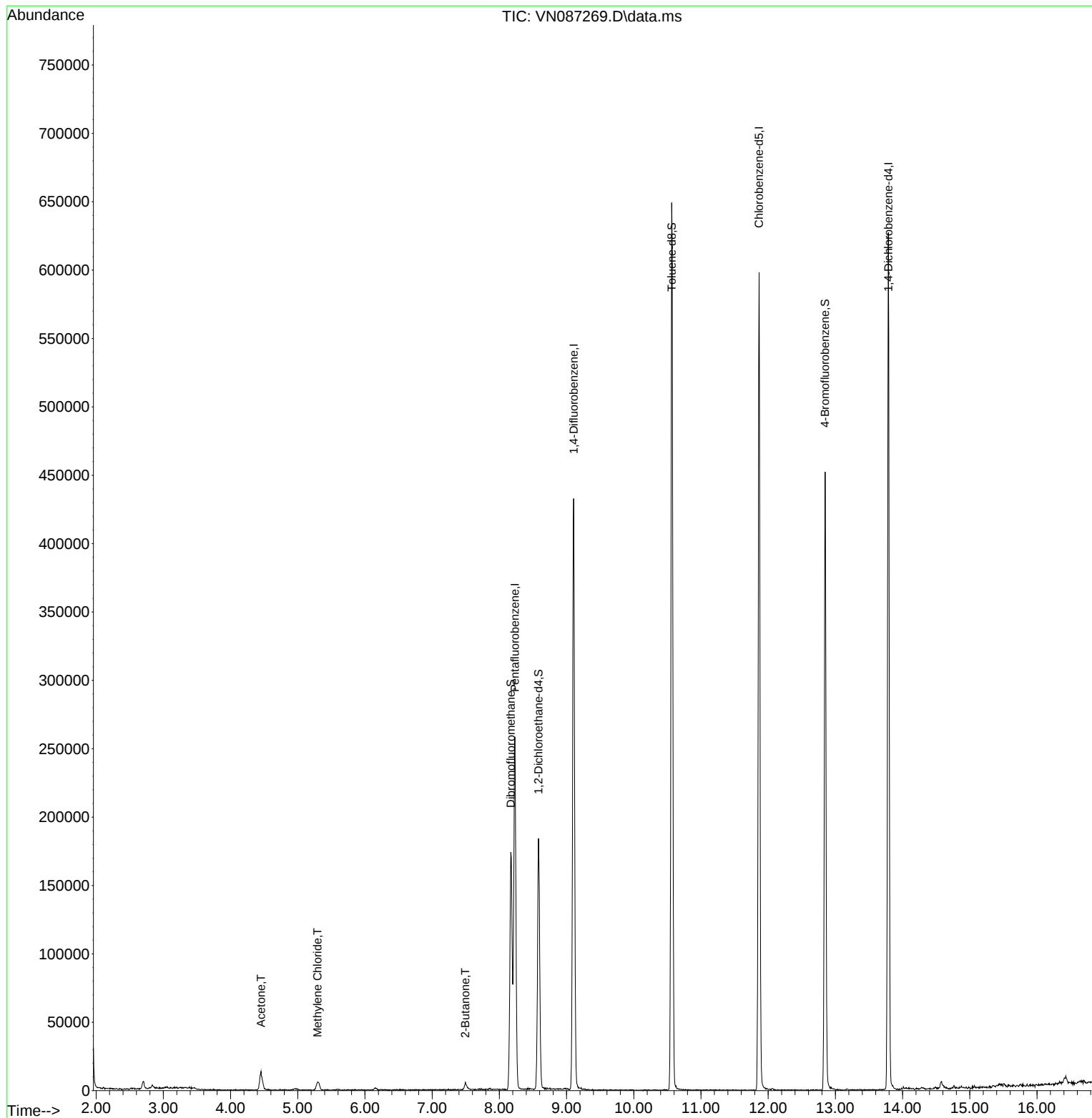
Internal Standards						
1) Pentafluorobenzene	8.230	168	199424	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	389715	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	362303	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	175707	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	148731	59.424	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	118.840%	
35) Dibromofluoromethane	8.171	113	130399	52.256	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	104.520%	
50) Toluene-d8	10.565	98	473670	48.699	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	97.400%	
62) 4-Bromofluorobenzene	12.847	95	161003	46.523	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	93.040%	
Target Compounds						
						Qvalue
16) Acetone	4.453	43	24722	25.836	ug/l	100
20) Methylene Chloride	5.294	84	5817	2.744	ug/l #	77
25) 2-Butanone	7.494	43	7520	5.029	ug/l	90

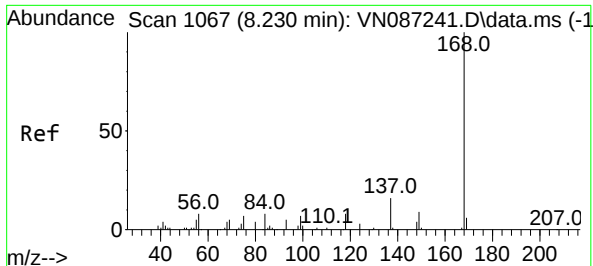
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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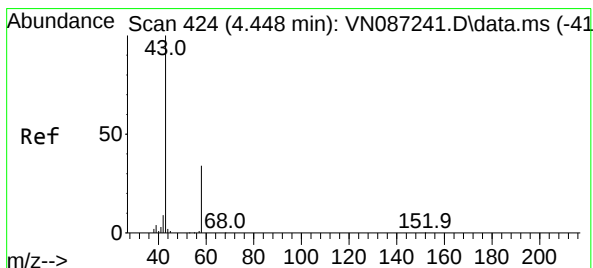
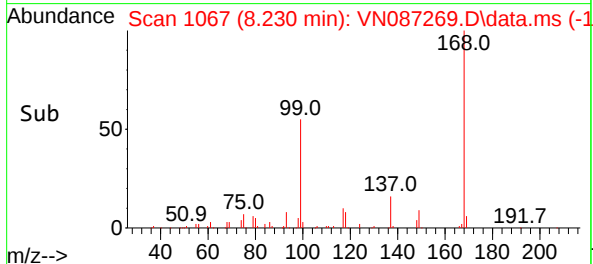
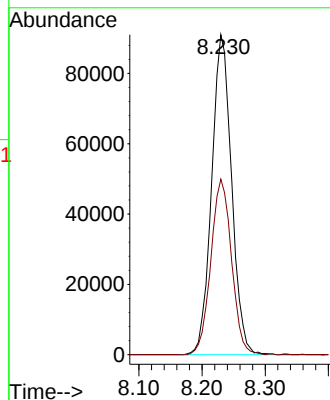
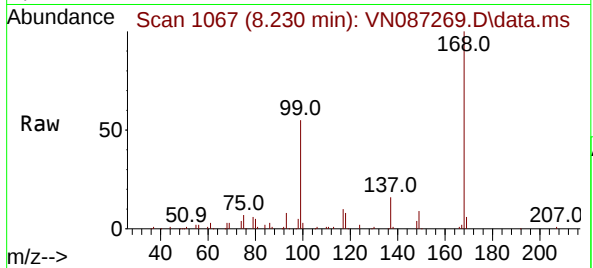




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087269.D
Acq: 03 Jul 2025 14:24

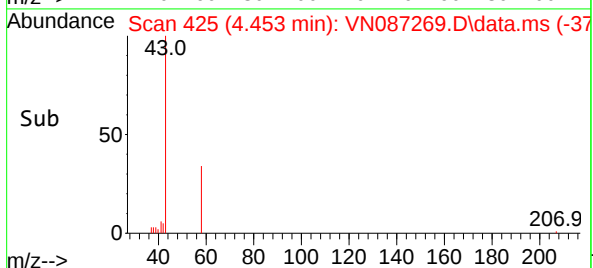
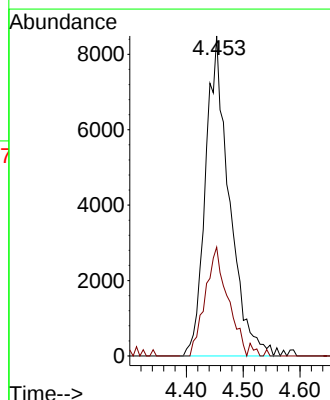
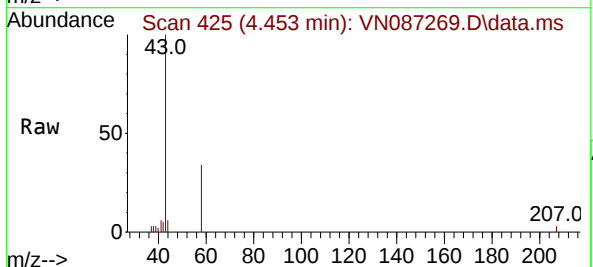
Instrument :
MSVOA_N
ClientSampleId :
G3(9)

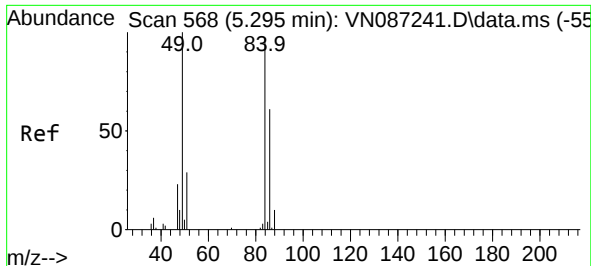
Tgt Ion:168 Resp: 199424
Ion Ratio Lower Upper
168 100
99 54.8 42.6 64.0



#16
Acetone
Concen: 25.836 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.006 min
Lab File: VN087269.D
Acq: 03 Jul 2025 14:24

Tgt Ion: 43 Resp: 24722
Ion Ratio Lower Upper
43 100
58 34.0 27.1 40.7

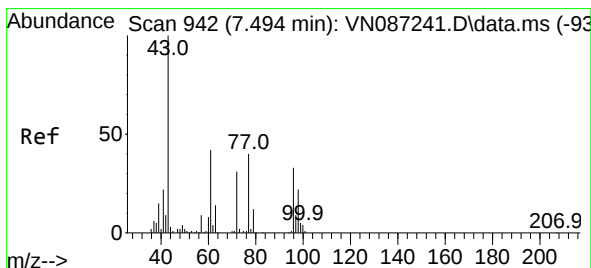
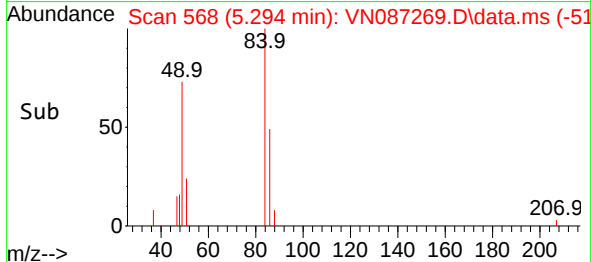
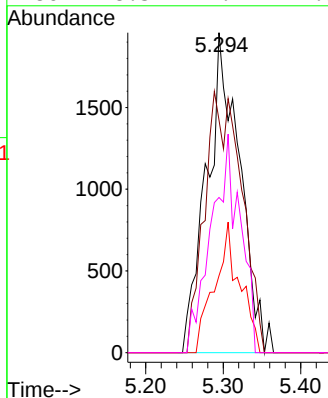
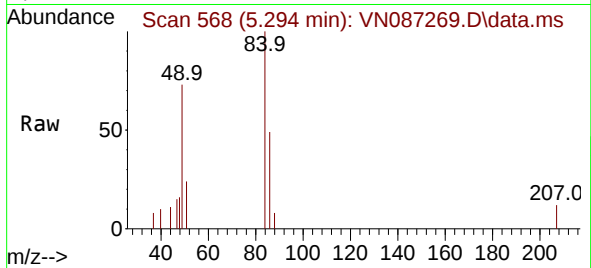




#20
Methylene Chloride
Concen: 2.744 ug/l
RT: 5.294 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN087269.D
Acq: 03 Jul 2025 14:24

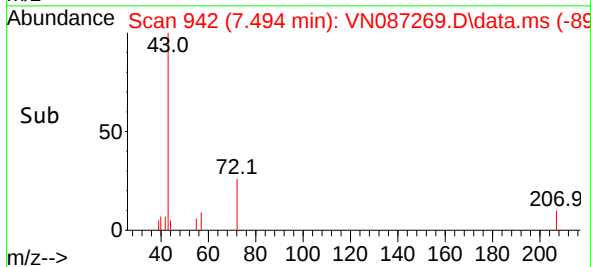
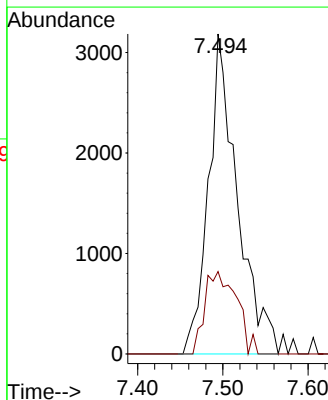
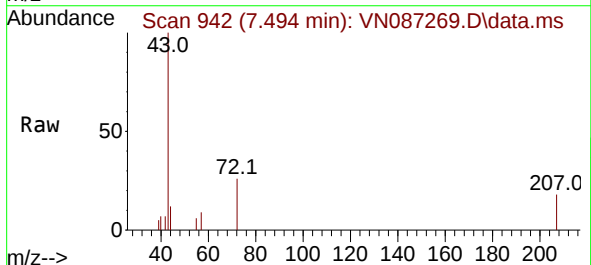
Instrument :
MSVOA_N
ClientSampleId :
G3(9)

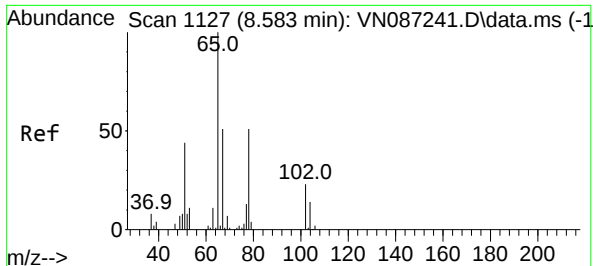
Tgt Ion:	84	Resp:	5817
Ion	Ratio	Lower	Upper
84	100		
49	72.7	82.1	123.1#
51	24.1	23.5	35.3
86	48.5	49.7	74.5#



#25
2-Butanone
Concen: 5.029 ug/l
RT: 7.494 min Scan# 942
Delta R.T. -0.000 min
Lab File: VN087269.D
Acq: 03 Jul 2025 14:24

Tgt Ion:	43	Resp:	7520
Ion	Ratio	Lower	Upper
43	100		
72	25.7	24.8	37.2





#33

1,2-Dichloroethane-d4

Concen: 59.424 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN087269.D

Acq: 03 Jul 2025 14:24

Instrument :

MSVOA_N

ClientSampleId :

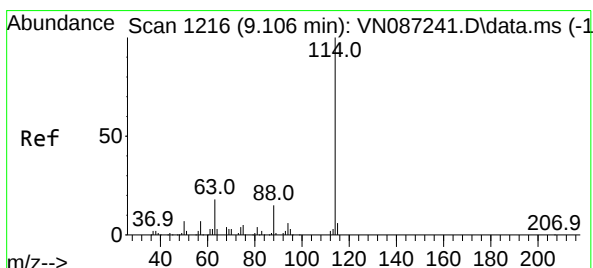
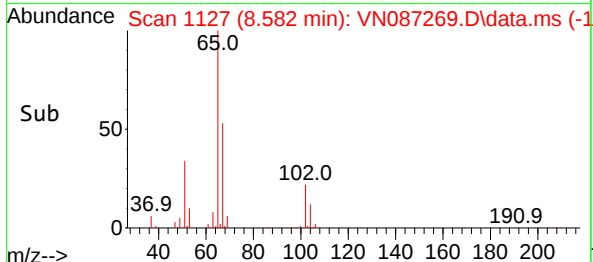
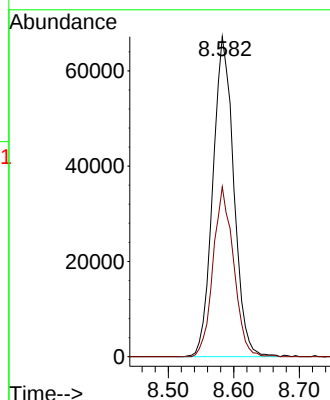
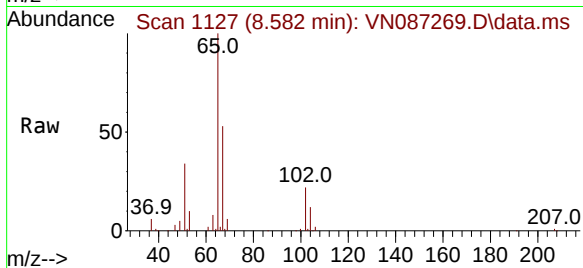
G3(9)

Tgt Ion: 65 Resp: 148731

Ion Ratio Lower Upper

65 100

67 52.0 0.0 102.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN087269.D

Acq: 03 Jul 2025 14:24

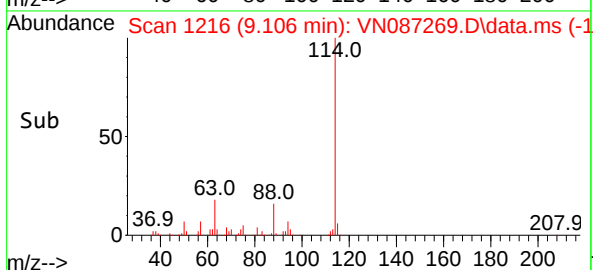
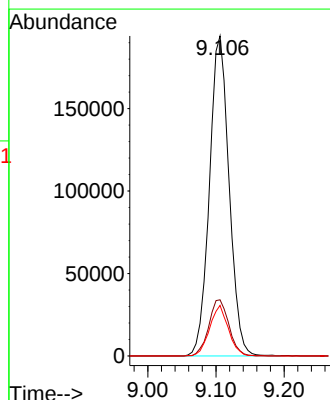
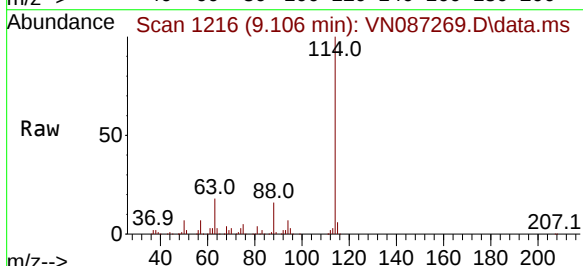
Tgt Ion: 114 Resp: 389715

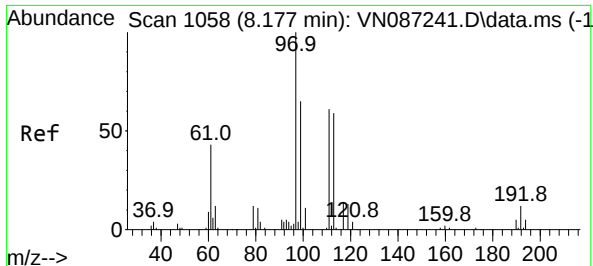
Ion Ratio Lower Upper

114 100

63 17.5 0.0 36.6

88 15.8 0.0 29.6





#35

Dibromofluoromethane

Concen: 52.256 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VN087269.D

Acq: 03 Jul 2025 14:24

Instrument :

MSVOA_N

ClientSampleId :

G3(9)

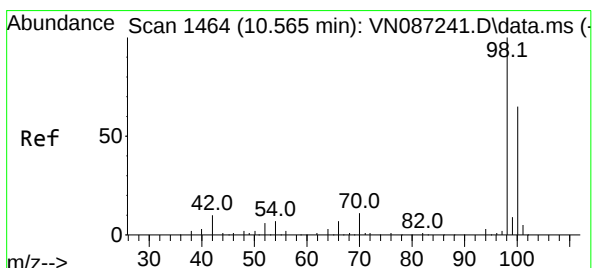
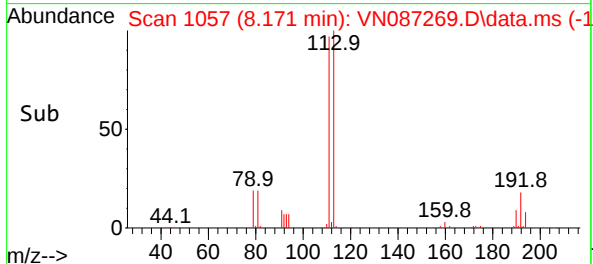
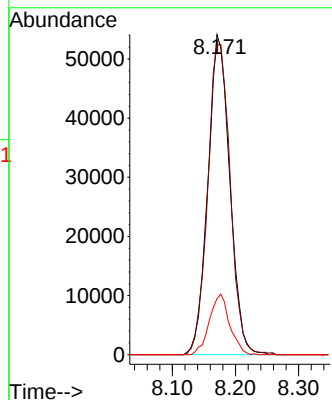
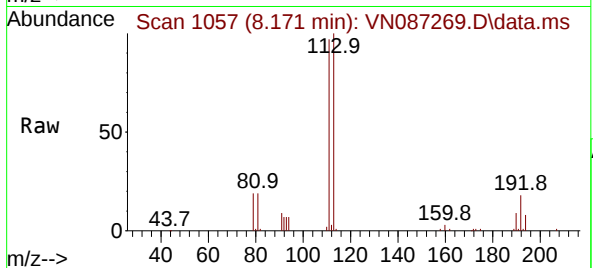
Tgt Ion:113 Resp: 130399

Ion Ratio Lower Upper

113 100

111 100.0 81.4 122.2

192 17.5 15.1 22.7



#50

Toluene-d8

Concen: 48.699 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN087269.D

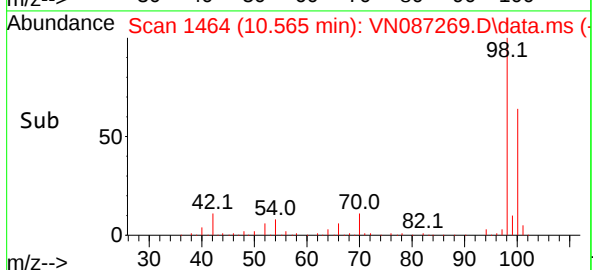
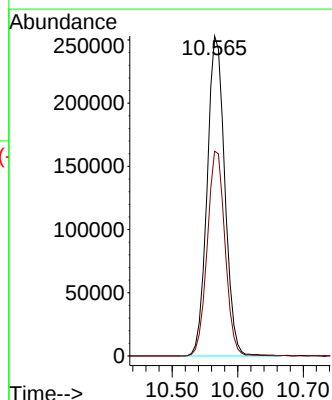
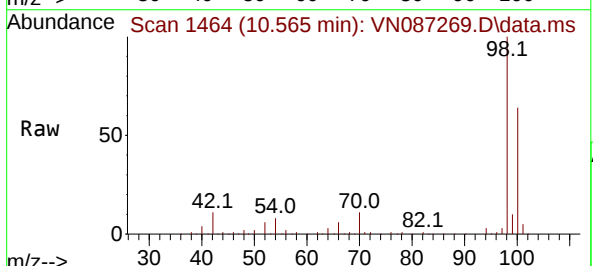
Acq: 03 Jul 2025 14:24

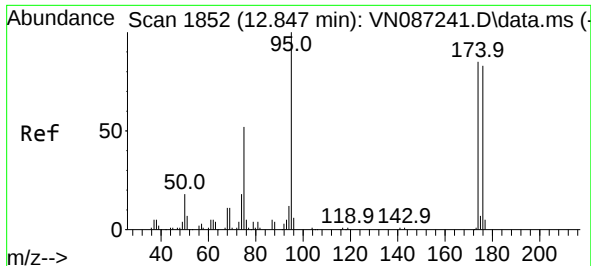
Tgt Ion: 98 Resp: 473670

Ion Ratio Lower Upper

98 100

100 64.4 52.1 78.1

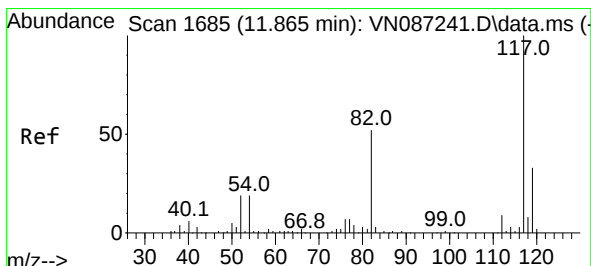
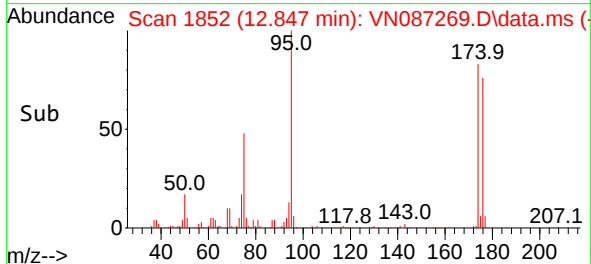
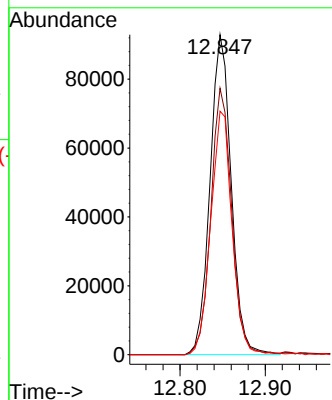
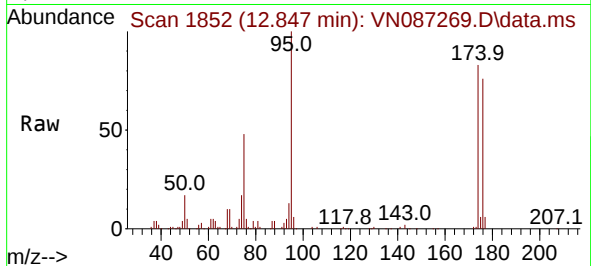




#62
4-Bromofluorobenzene
Concen: 46.523 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087269.D
Acq: 03 Jul 2025 14:24

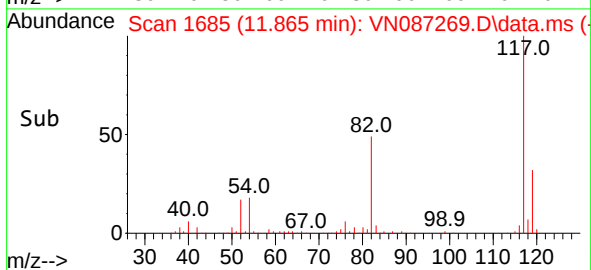
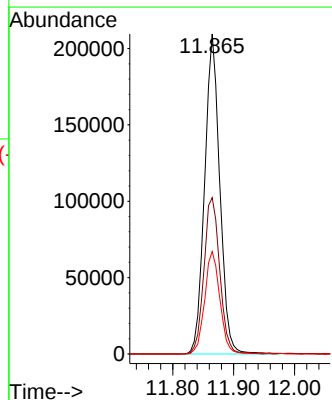
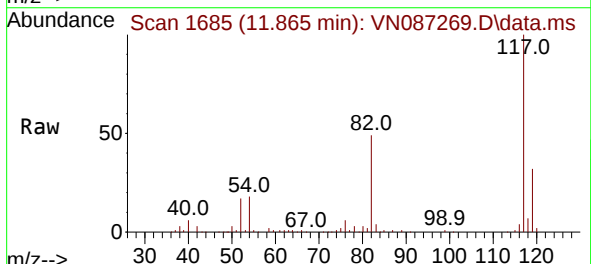
Instrument :
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G3(9)

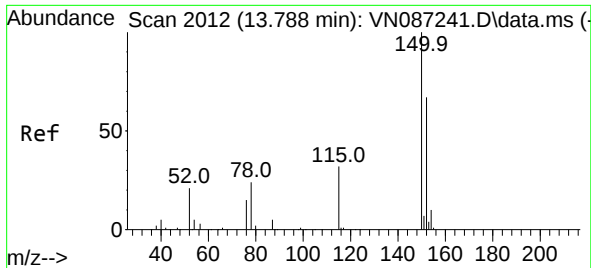
Tgt Ion: 95 Resp: 161003
Ion Ratio Lower Upper
95 100
174 81.6 0.0 169.6
176 76.6 0.0 161.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN087269.D
Acq: 03 Jul 2025 14:24

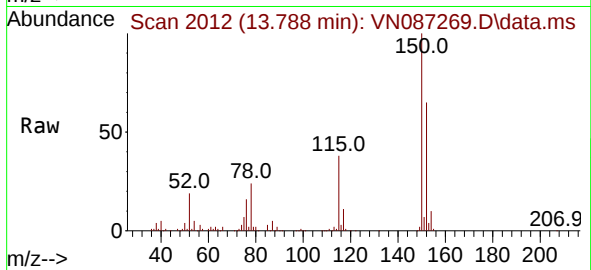
Tgt Ion: 117 Resp: 362303
Ion Ratio Lower Upper
117 100
82 48.9 41.9 62.9
119 32.0 26.2 39.4





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN087269.D
 Acq: 03 Jul 2025 14:24

Instrument :
 MSVOA_N
 ClientSampleId :
 G3(9)



Tgt Ion:152 Resp: 175707

Ion	Ratio	Lower	Upper
152	100		
115	59.1	28.3	84.9
150	159.4	0.0	344.6

