

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070725\
 Data File : VN087289.D
 Acq On : 07 Jul 2025 12:44
 Operator : JC\MD
 Sample : Q2487-22
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 G2(9)

Quant Time: Jul 08 01:32:03 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)

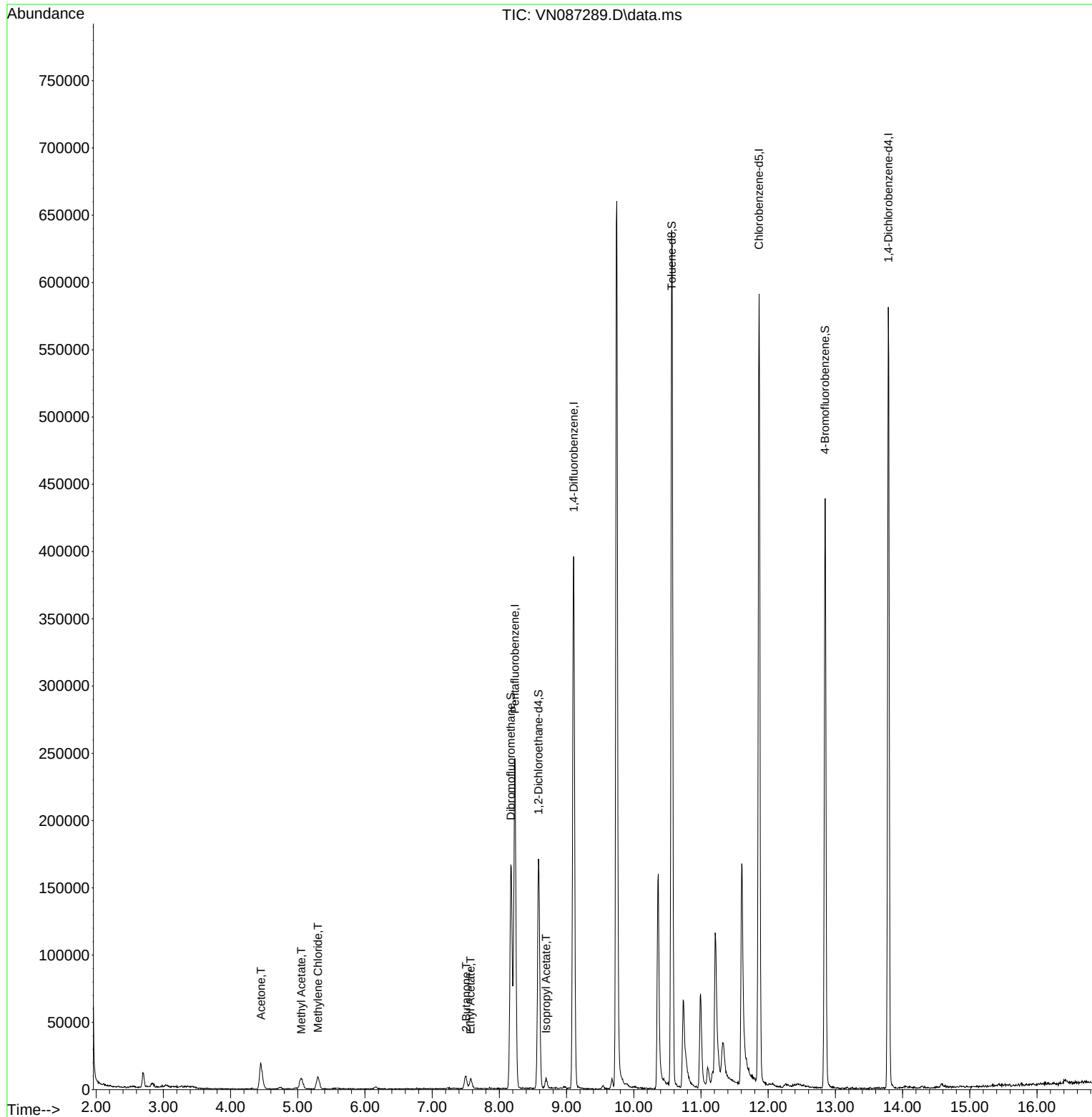
Internal Standards						
1) Pentafluorobenzene	8.229	168	193002	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	368733	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	358573	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	170388	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	143492	59.238	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 118.480%	
35) Dibromofluoromethane	8.171	113	125690	53.235	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.480%	
50) Toluene-d8	10.565	98	464230	50.444	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.880%	
62) 4-Bromofluorobenzene	12.847	95	158480	48.399	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 96.800%	
Target Compounds						
						Qvalue
16) Acetone	4.453	43	37169	40.136	ug/l	100
18) Methyl Acetate	5.053	43	18324	8.643	ug/l	93
20) Methylene Chloride	5.300	84	7973	3.886	ug/l	96
25) 2-Butanone	7.506	43	15488	10.702	ug/l	97
37) Ethyl Acetate	7.571	43	11501	3.332	ug/l	98
43) Isopropyl Acetate	8.694	43	7992	1.493	ug/l #	91

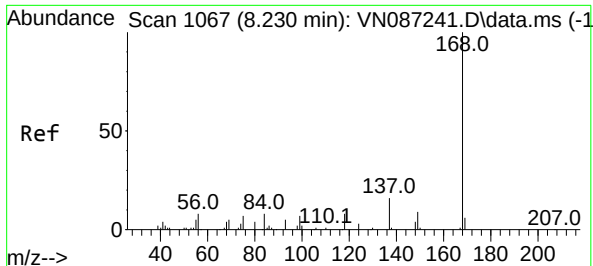
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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G2(9)

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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

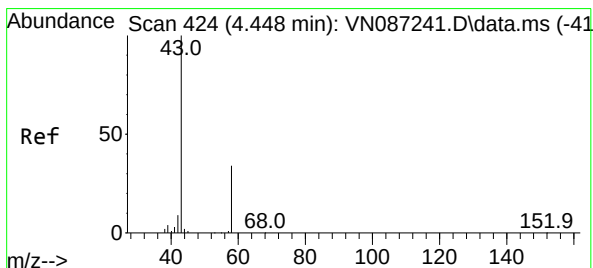
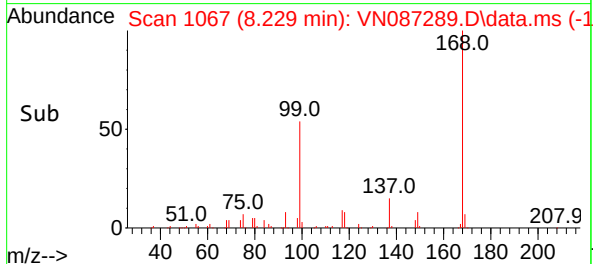
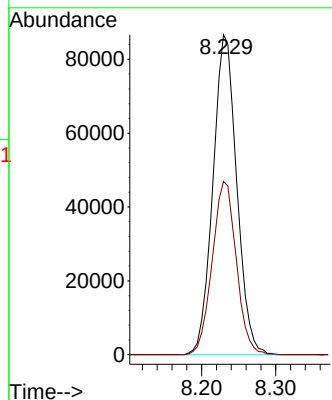
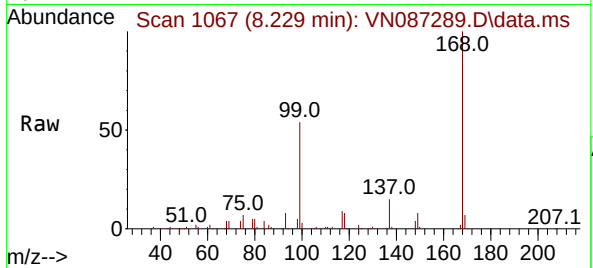




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1
Delta R.T. -0.001 min
Lab File: VN087289.D
Acq: 07 Jul 2025 12:44

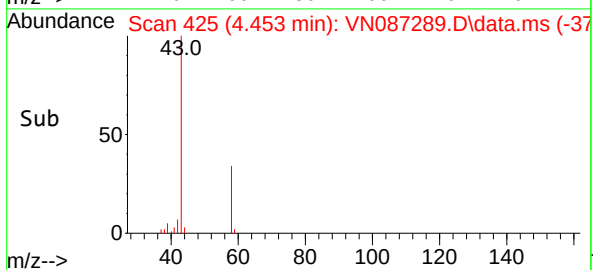
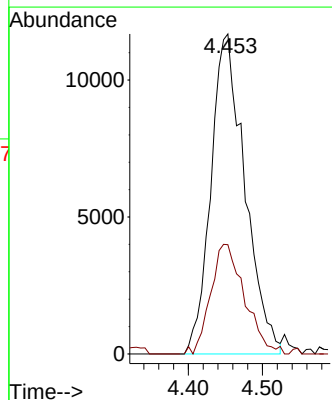
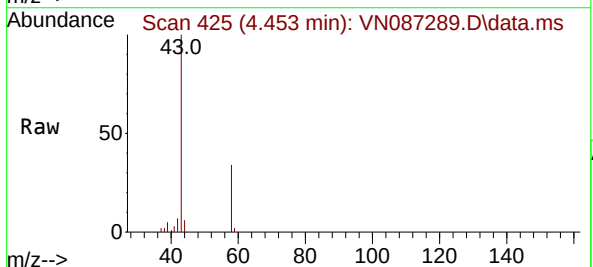
Instrument :
MSVOA_N
ClientSampleId :
G2(9)

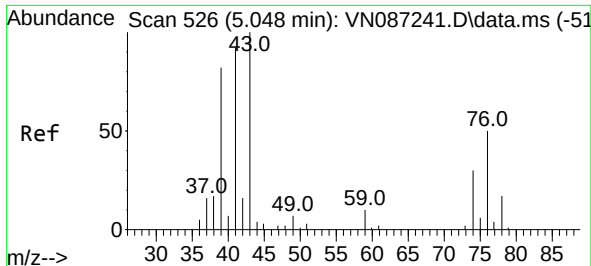
Tgt Ion:168 Resp: 193002
Ion Ratio Lower Upper
168 100
99 54.2 42.6 64.0



#16
Acetone
Concen: 40.136 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.006 min
Lab File: VN087289.D
Acq: 07 Jul 2025 12:44

Tgt Ion: 43 Resp: 37169
Ion Ratio Lower Upper
43 100
58 34.1 27.1 40.7

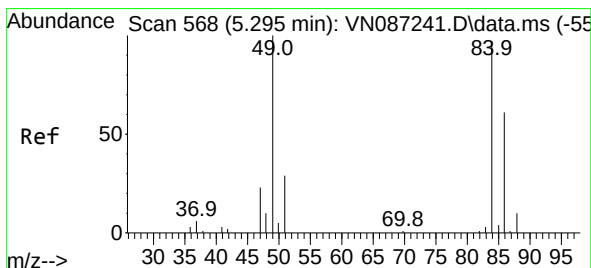
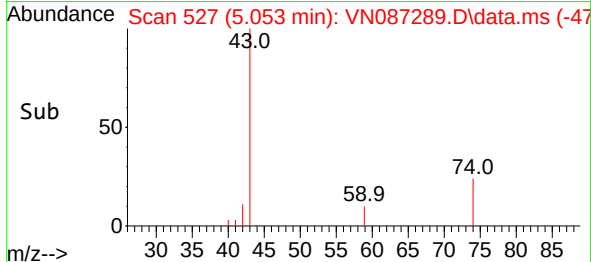
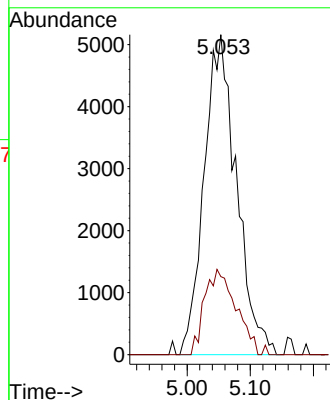
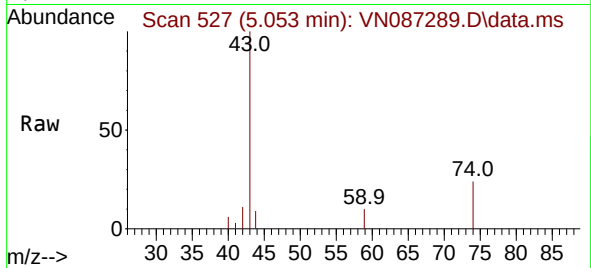




#18
Methyl Acetate
Concen: 8.643 ug/l
RT: 5.053 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN087289.D
Acq: 07 Jul 2025 12:44

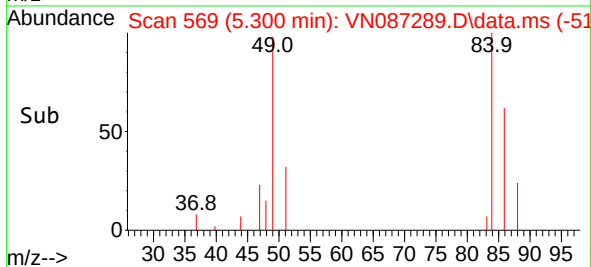
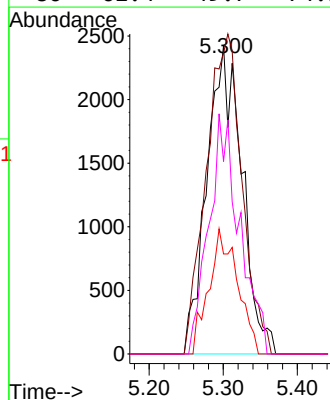
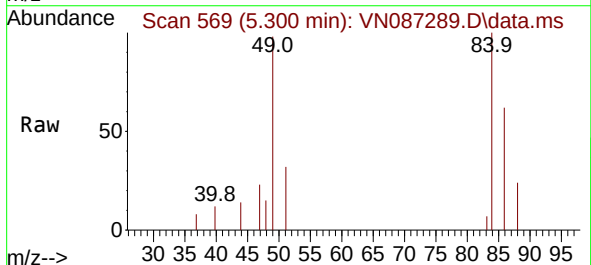
Instrument :
MSVOA_N
ClientSampleId :
G2(9)

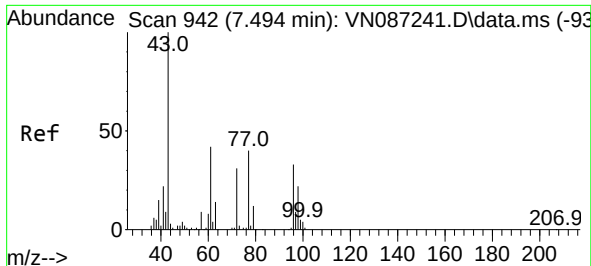
Tgt Ion: 43 Resp: 18324
Ion Ratio Lower Upper
43 100
74 25.9 23.8 35.6



#20
Methylene Chloride
Concen: 3.886 ug/l
RT: 5.300 min Scan# 569
Delta R.T. 0.006 min
Lab File: VN087289.D
Acq: 07 Jul 2025 12:44

Tgt Ion: 84 Resp: 7973
Ion Ratio Lower Upper
84 100
49 97.6 82.1 123.1
51 32.5 23.5 35.3
86 62.4 49.7 74.5

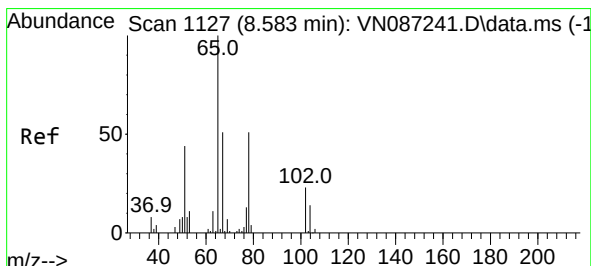
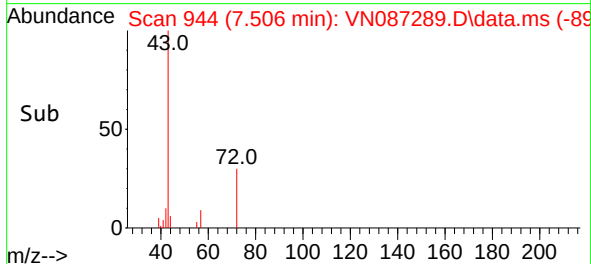
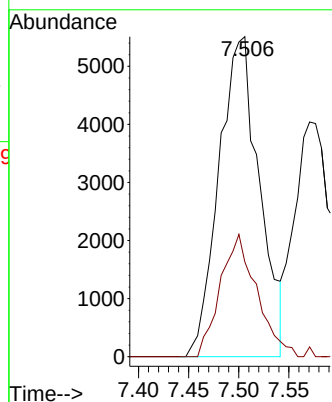
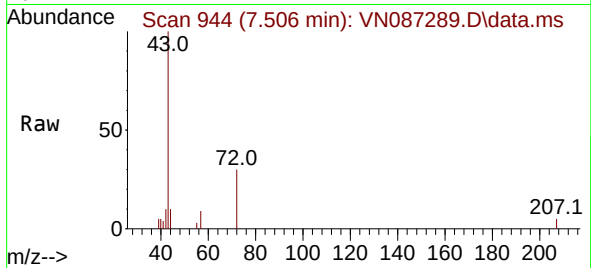




#25
2-Butanone
Concen: 10.702 ug/l
RT: 7.506 min Scan# 944
Delta R.T. 0.012 min
Lab File: VN087289.D
Acq: 07 Jul 2025 12:44

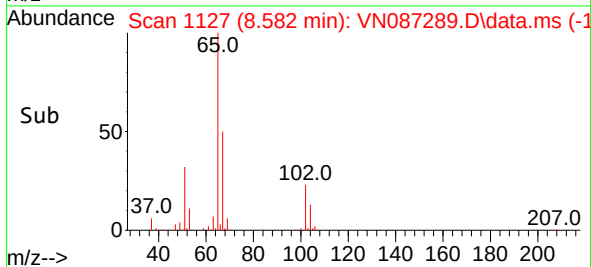
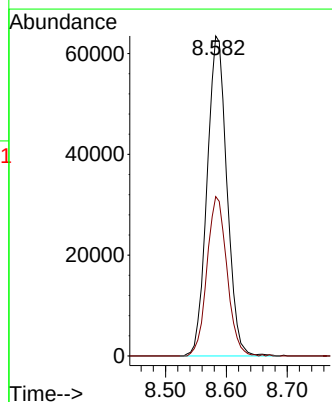
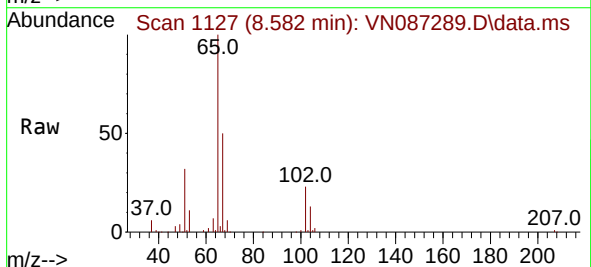
Instrument :
MSVOA_N
ClientSampleId :
G2(9)

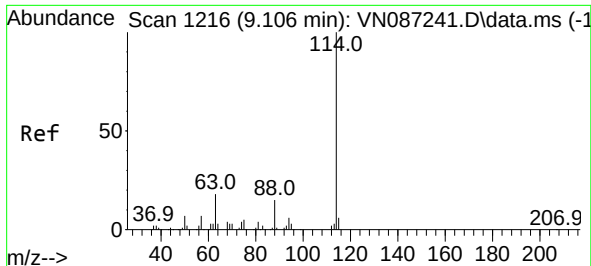
Tgt Ion: 43 Resp: 15488
Ion Ratio Lower Upper
43 100
72 29.6 24.8 37.2



#33
1,2-Dichloroethane-d4
Concen: 59.238 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN087289.D
Acq: 07 Jul 2025 12:44

Tgt Ion: 65 Resp: 143492
Ion Ratio Lower Upper
65 100
67 50.2 0.0 102.6

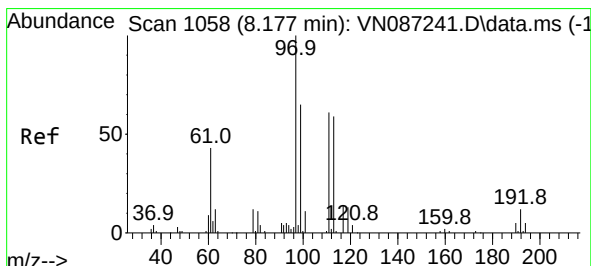
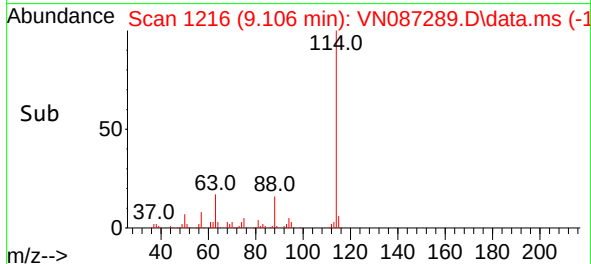
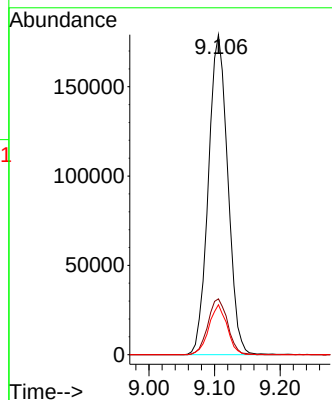
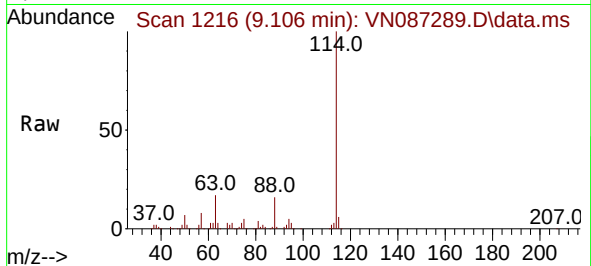




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087289.D
Acq: 07 Jul 2025 12:44

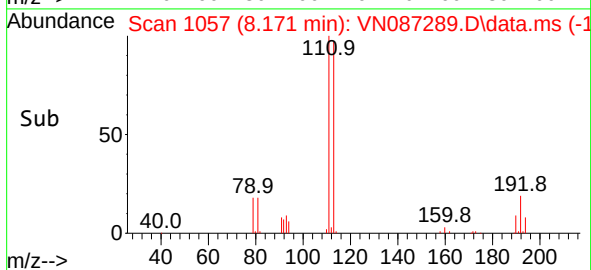
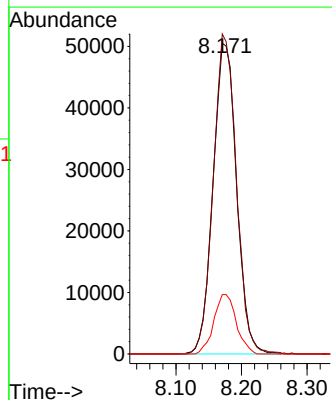
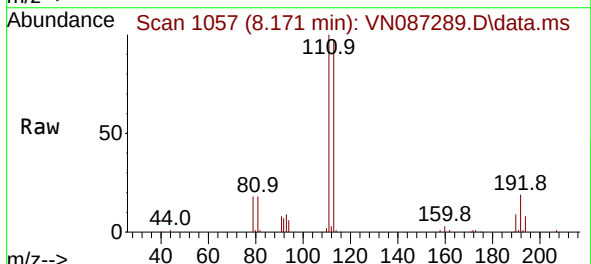
Instrument :
MSVOA_N
ClientSampleId :
G2(9)

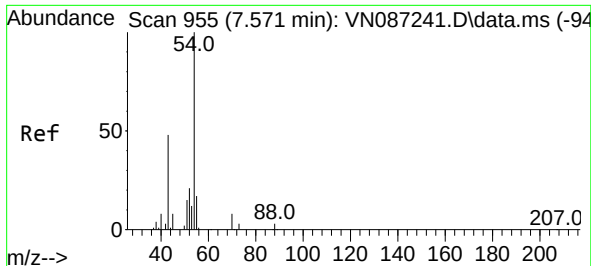
Tgt Ion:114 Resp: 368733
Ion Ratio Lower Upper
114 100
63 17.4 0.0 36.6
88 15.6 0.0 29.6



#35
Dibromofluoromethane
Concen: 53.235 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VN087289.D
Acq: 07 Jul 2025 12:44

Tgt Ion:113 Resp: 125690
Ion Ratio Lower Upper
113 100
111 100.9 81.4 122.2
192 18.3 15.1 22.7





#37

Ethyl Acetate

Concen: 3.332 ug/l

RT: 7.571 min Scan# 91

Delta R.T. -0.000 min

Lab File: VN087289.D

Acq: 07 Jul 2025 12:44

Instrument :

MSVOA_N

ClientSampleId :

G2(9)

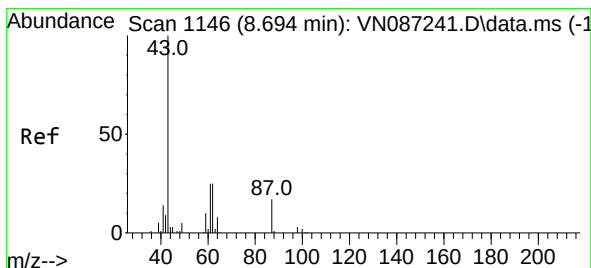
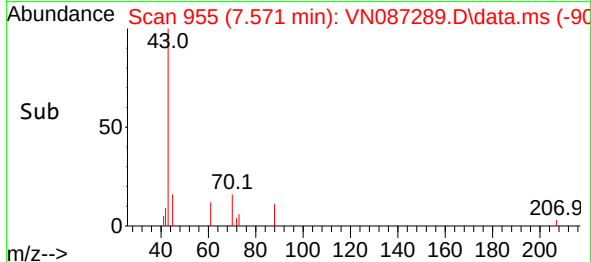
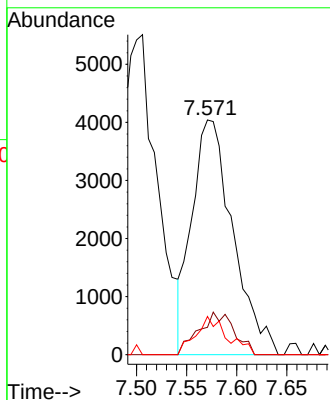
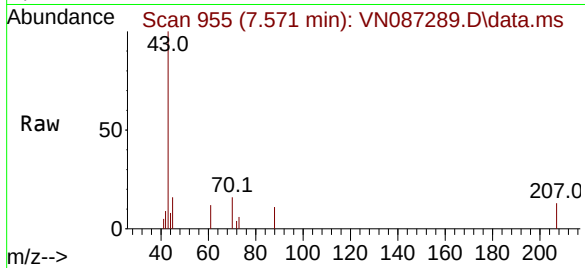
Tgt Ion: 43 Resp: 11501

Ion Ratio Lower Upper

43 100

61 15.6 11.3 16.9

70 12.5 9.9 14.9



#43

Isopropyl Acetate

Concen: 1.493 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. -0.000 min

Lab File: VN087289.D

Acq: 07 Jul 2025 12:44

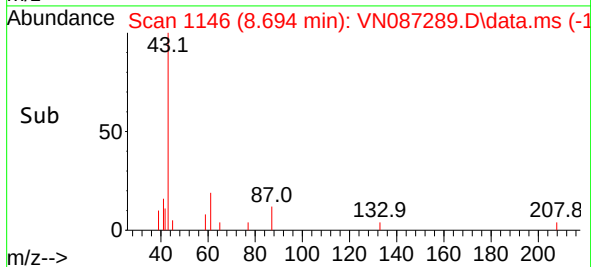
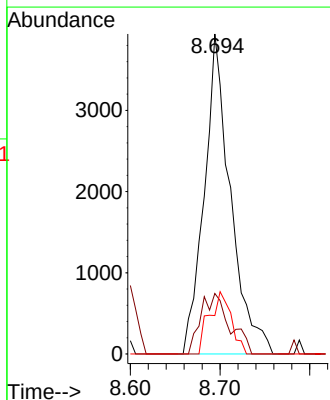
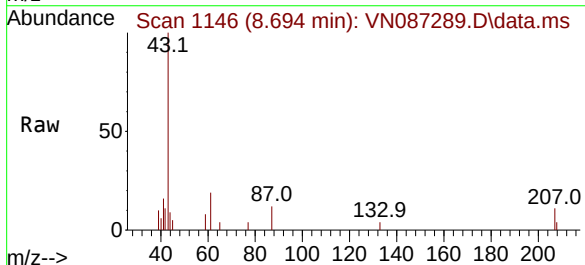
Tgt Ion: 43 Resp: 7992

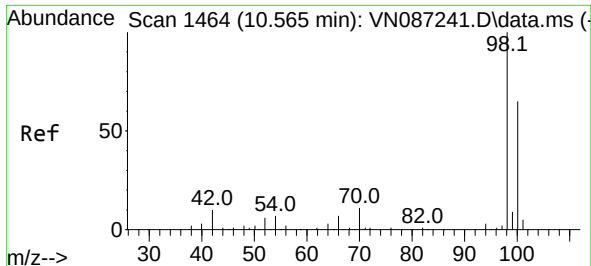
Ion Ratio Lower Upper

43 100

61 20.8 22.4 33.6#

87 16.2 12.8 19.2

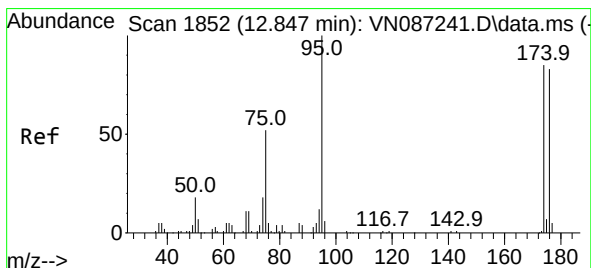
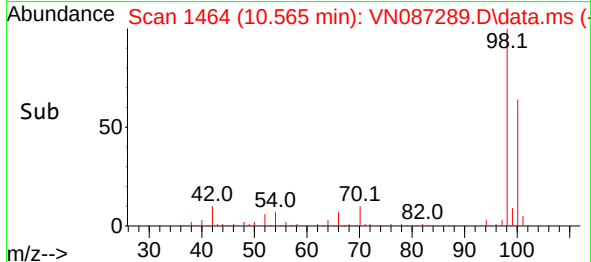
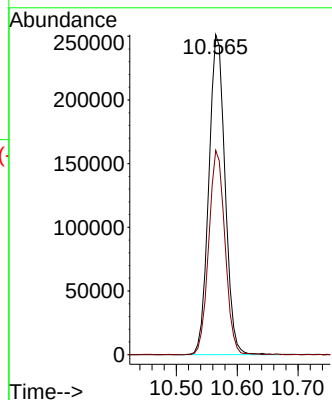
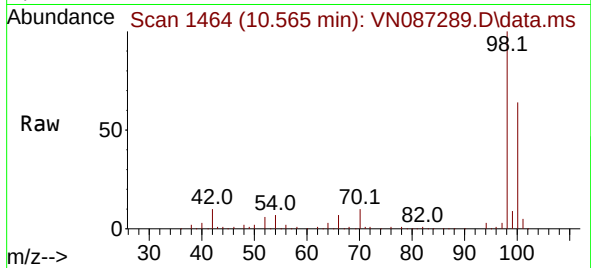




#50
Toluene-d8
Concen: 50.444 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN087289.D
Acq: 07 Jul 2025 12:44

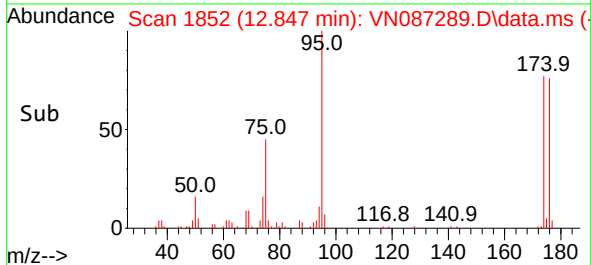
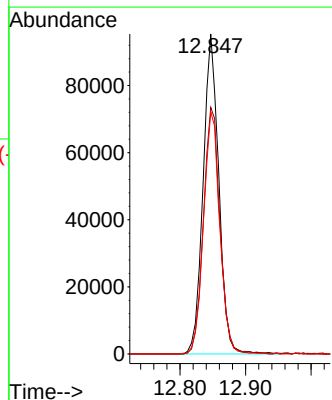
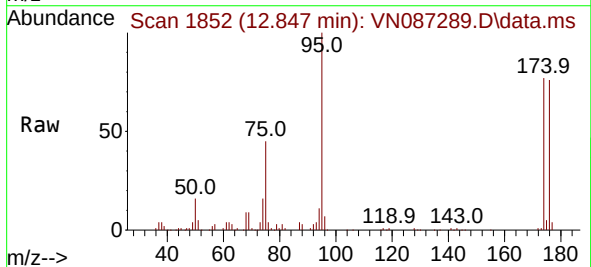
Instrument :
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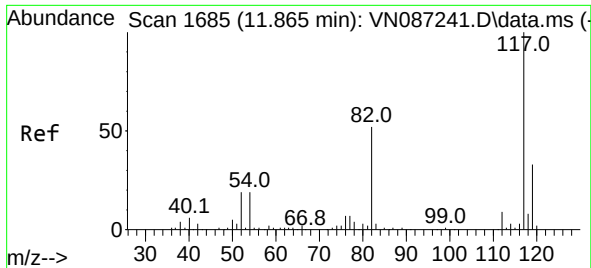
Tgt Ion: 98 Resp: 464230
Ion Ratio Lower Upper
98 100
100 63.9 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 48.399 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087289.D
Acq: 07 Jul 2025 12:44

Tgt Ion: 95 Resp: 158480
Ion Ratio Lower Upper
95 100
174 81.6 0.0 169.6
176 78.5 0.0 161.6

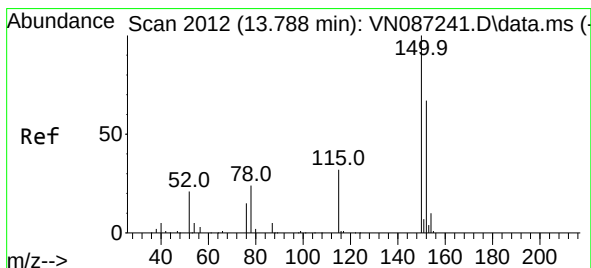
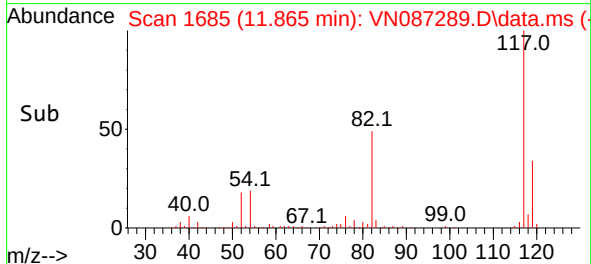
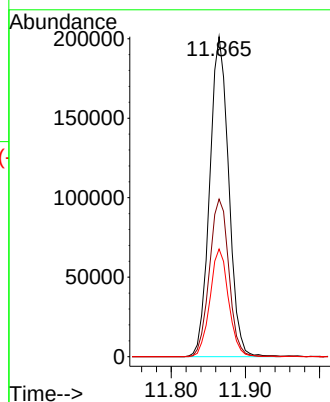
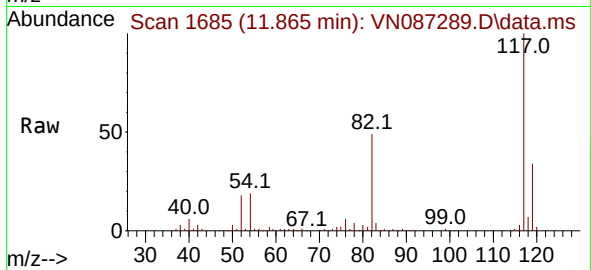




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087289.D
Acq: 07 Jul 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
G2(9)

Tgt Ion:117 Resp: 358573
Ion Ratio Lower Upper
117 100
82 49.3 41.9 62.9
119 33.6 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN087289.D
Acq: 07 Jul 2025 12:44

Tgt Ion:152 Resp: 170388
Ion Ratio Lower Upper
152 100
115 57.9 28.3 84.9
150 158.3 0.0 344.6

