

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062625\
 Data File : VN087185.D
 Acq On : 26 Jun 2025 11:40
 Operator : JC\MD
 Sample : Q2386-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SU-1-062025

Quant Time: Jun 26 11:57:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

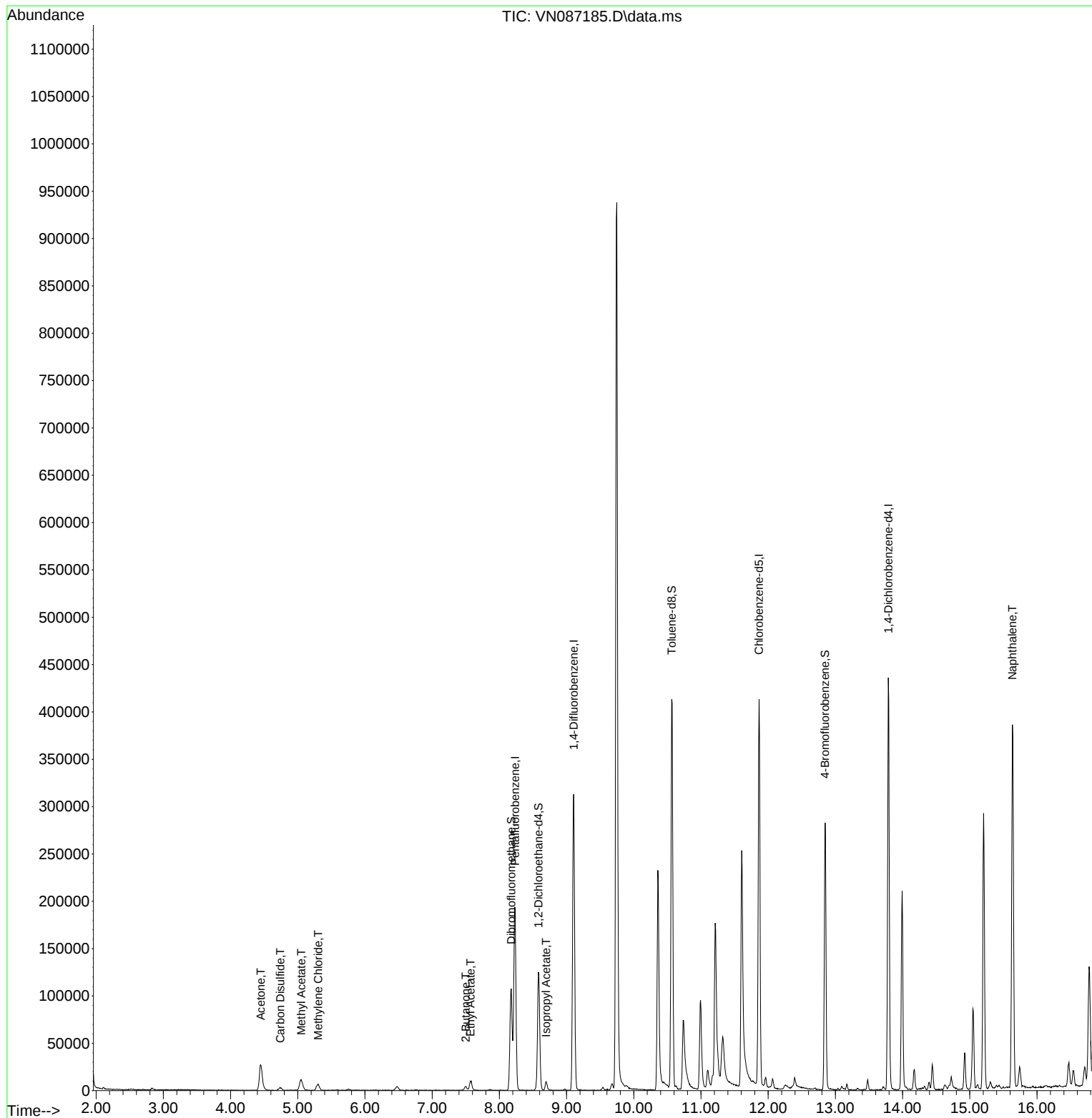
Internal Standards						
1) Pentafluorobenzene	8.235	168	148819	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	279062	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	245710	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	119971	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	104067	52.229	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.460%	
35) Dibromofluoromethane	8.177	113	82000	49.583	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.160%	
50) Toluene-d8	10.565	98	300292	45.868	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 91.740%	
62) 4-Bromofluorobenzene	12.847	95	109191	44.891	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 89.780%	
Target Compounds						Qvalue
16) Acetone	4.447	43	55786	52.795	ug/l	99
17) Carbon Disulfide	4.741	76	4932	1.076	ug/l	96
18) Methyl Acetate	5.053	43	25779	8.372	ug/l	95
20) Methylene Chloride	5.306	84	5446	2.753	ug/l	98
25) 2-Butanone	7.500	43	7770	4.524	ug/l	97
37) Ethyl Acetate	7.571	43	16662	5.311	ug/l #	95
43) Isopropyl Acetate	8.694	43	10794	2.144	ug/l #	90
95) Naphthalene	15.635	128	369412	41.022	ug/l	99

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

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QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

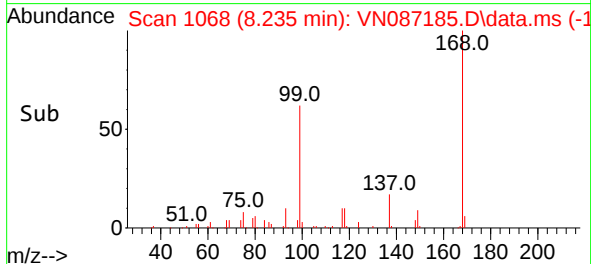
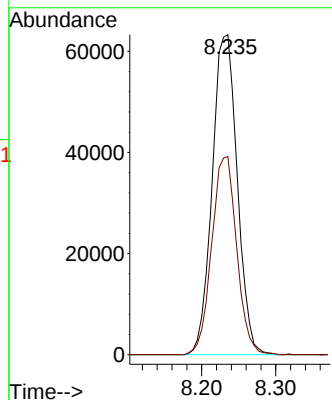
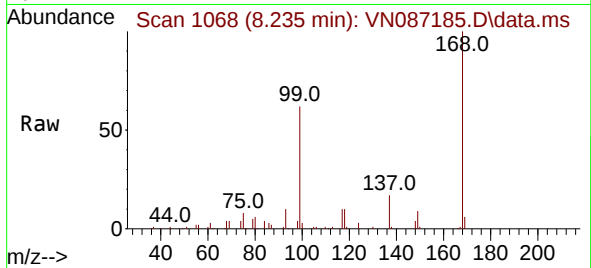




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.001 min
Lab File: VN087185.D
Acq: 26 Jun 2025 11:40

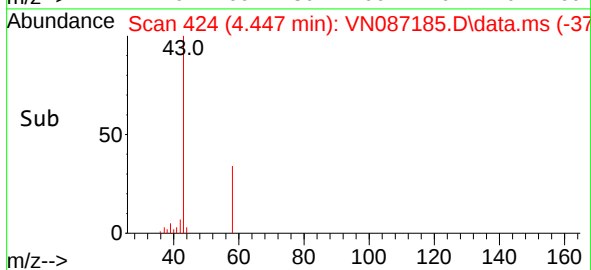
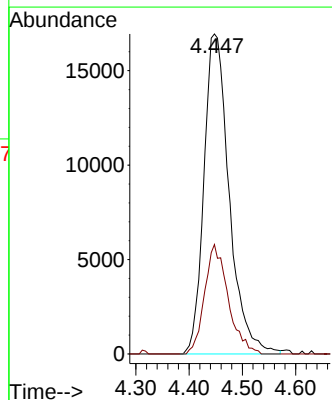
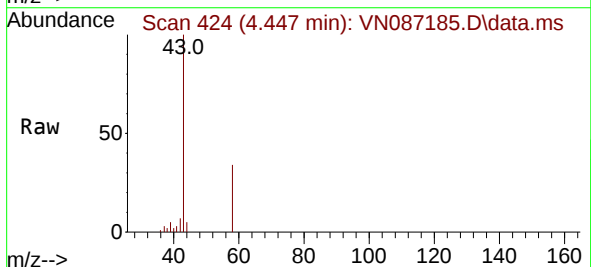
Instrument :
MSVOA_N
ClientSampleId :
SU-1-062025

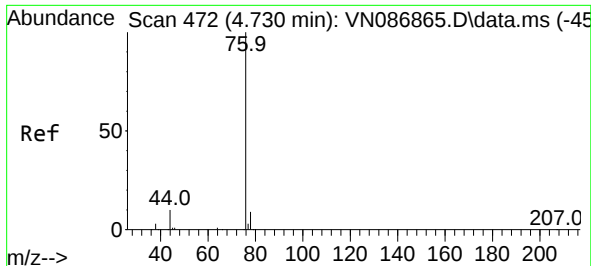
Tgt Ion:168 Resp: 148819
Ion Ratio Lower Upper
168 100
99 61.9 49.1 73.7



#16
Acetone
Concen: 52.795 ug/l
RT: 4.447 min Scan# 424
Delta R.T. -0.000 min
Lab File: VN087185.D
Acq: 26 Jun 2025 11:40

Tgt Ion: 43 Resp: 55786
Ion Ratio Lower Upper
43 100
58 34.2 28.0 42.0

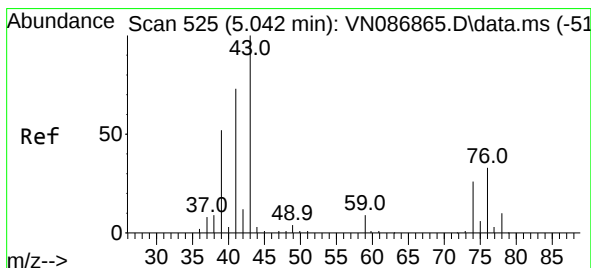
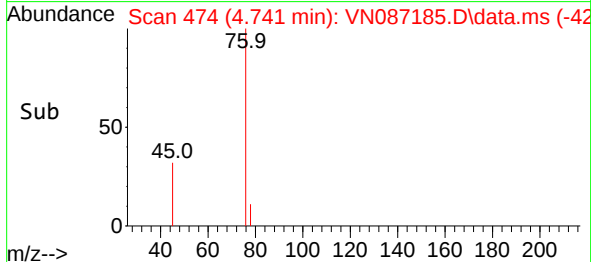
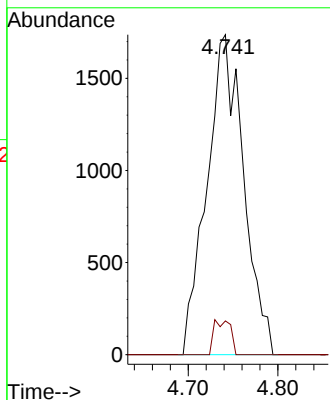
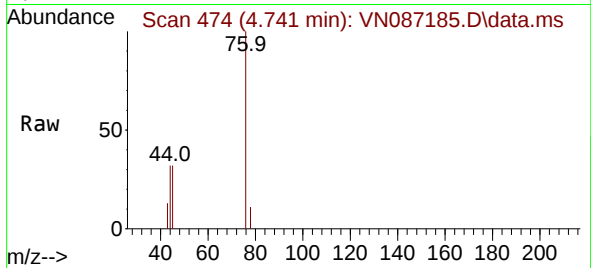




#17
Carbon Disulfide
Concen: 1.076 ug/l
RT: 4.741 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN087185.D
Acq: 26 Jun 2025 11:40

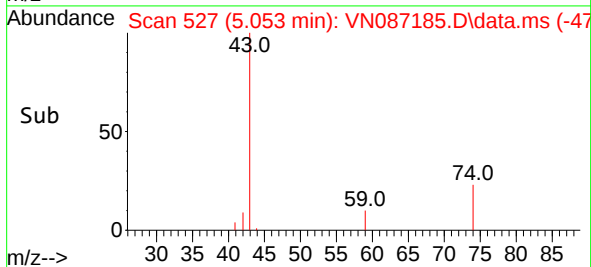
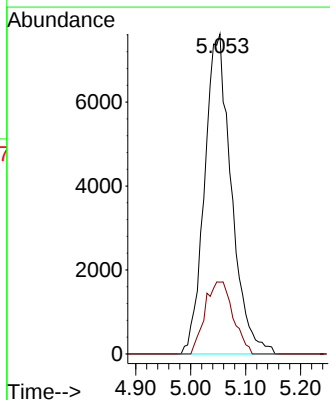
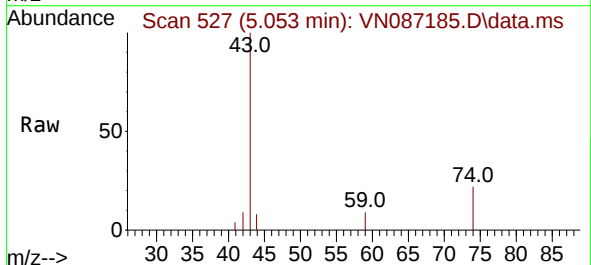
Instrument :
MSVOA_N
ClientSampleId :
SU-1-062025

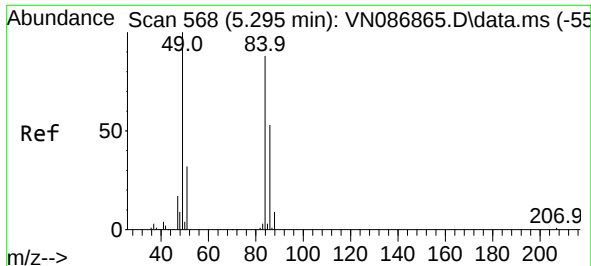
Tgt Ion: 76 Resp: 4932
Ion Ratio Lower Upper
76 100
78 10.5 7.3 10.9



#18
Methyl Acetate
Concen: 8.372 ug/l
RT: 5.053 min Scan# 527
Delta R.T. 0.011 min
Lab File: VN087185.D
Acq: 26 Jun 2025 11:40

Tgt Ion: 43 Resp: 25779
Ion Ratio Lower Upper
43 100
74 23.6 20.7 31.1

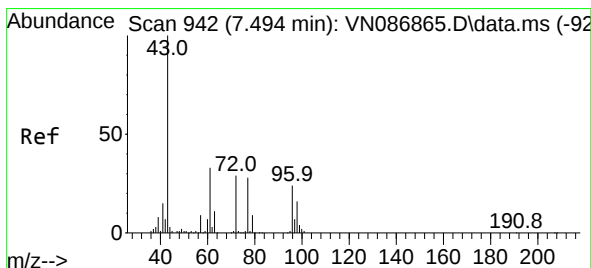
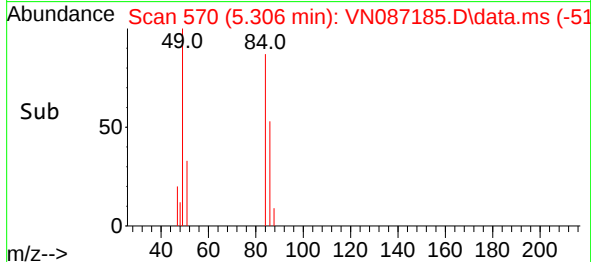
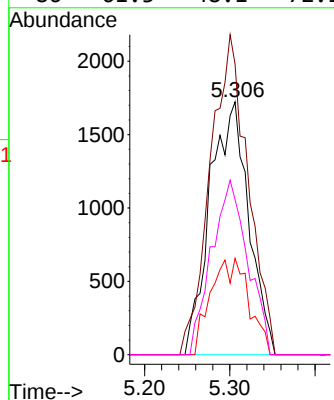
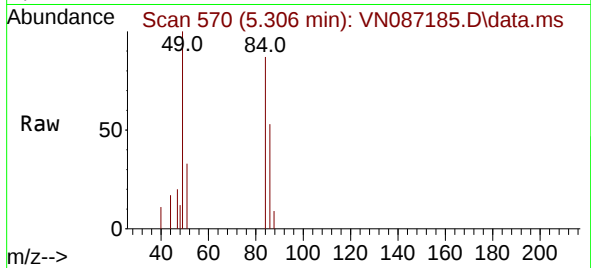




#20
Methylene Chloride
Concen: 2.753 ug/l
RT: 5.306 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN087185.D
Acq: 26 Jun 2025 11:40

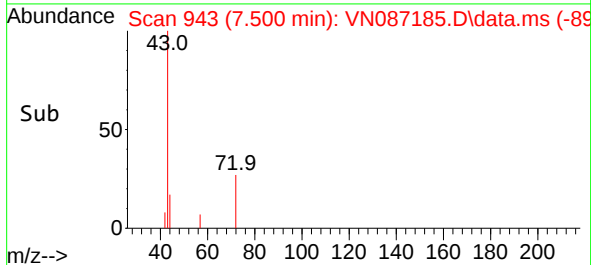
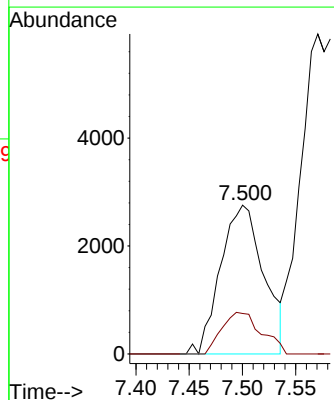
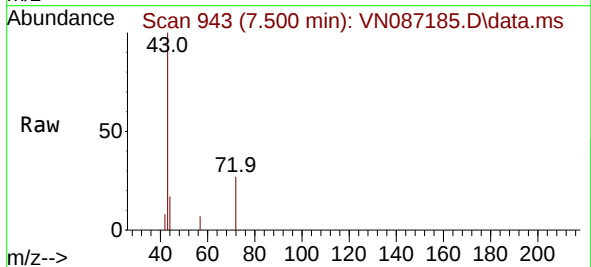
Instrument :
MSVOA_N
ClientSampleId :
SU-1-062025

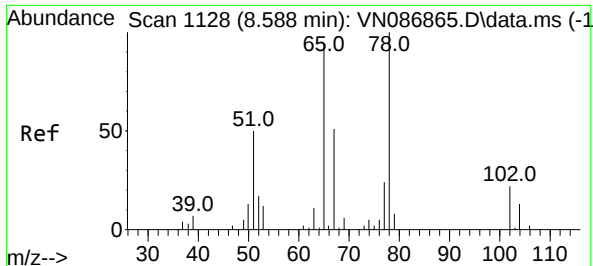
Tgt Ion:	84	Resp:	5446
Ion	Ratio	Lower	Upper
84	100		
49	114.9	90.5	135.7
51	38.1	28.5	42.7
86	61.3	48.1	72.1



#25
2-Butanone
Concen: 4.524 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN087185.D
Acq: 26 Jun 2025 11:40

Tgt Ion:	43	Resp:	7770
Ion	Ratio	Lower	Upper
43	100		
72	27.2	23.0	34.6





#33

1,2-Dichloroethane-d4

Concen: 52.229 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VN087185.D

Acq: 26 Jun 2025 11:40

Instrument :

MSVOA_N

ClientSampleId :

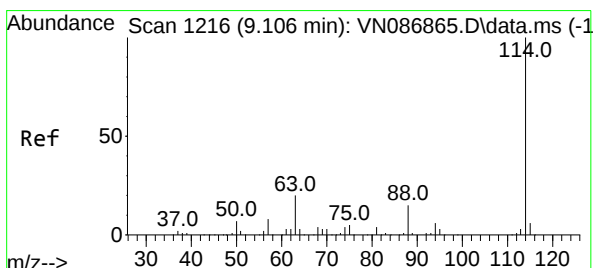
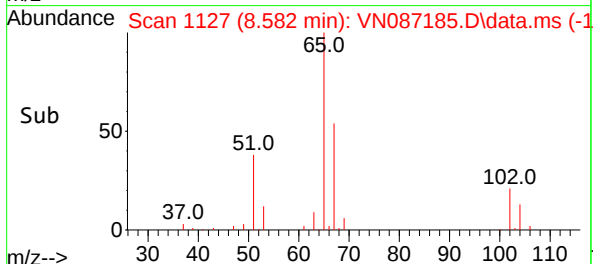
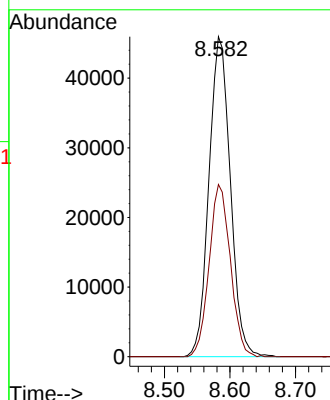
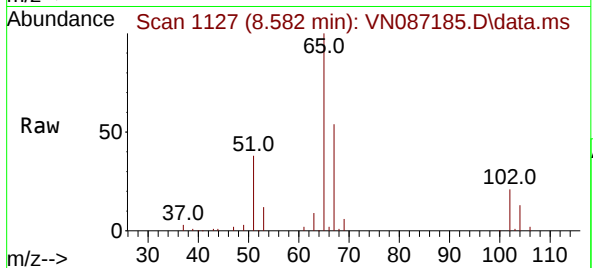
SU-1-062025

Tgt Ion: 65 Resp: 104067

Ion Ratio Lower Upper

65 100

67 53.5 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN087185.D

Acq: 26 Jun 2025 11:40

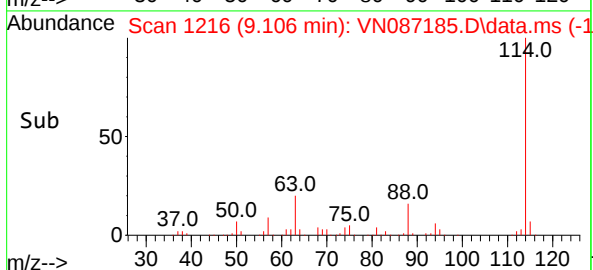
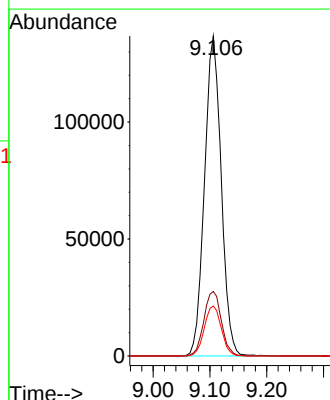
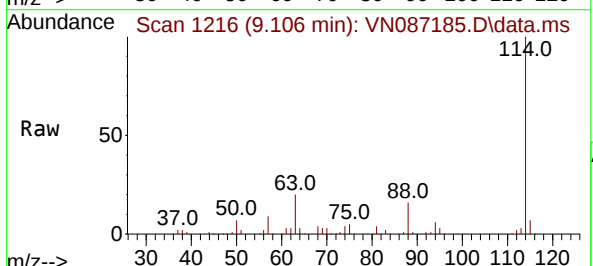
Tgt Ion:114 Resp: 279062

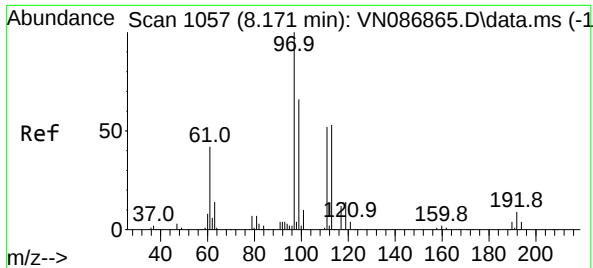
Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.6

88 15.6 0.0 30.2

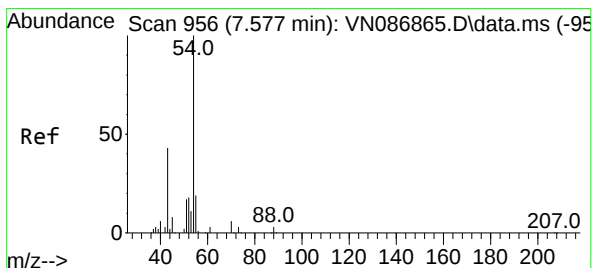
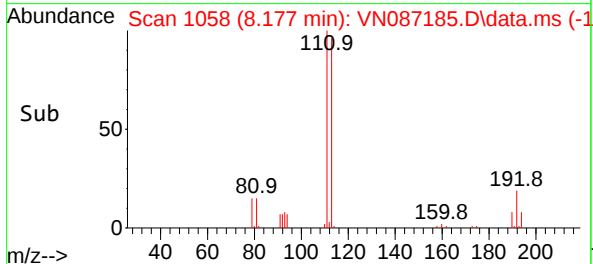
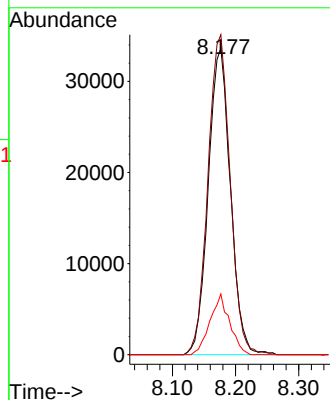
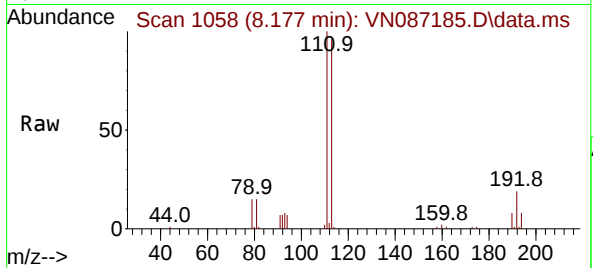




#35
Dibromofluoromethane
Concen: 49.583 ug/l
RT: 8.177 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN087185.D
Acq: 26 Jun 2025 11:40

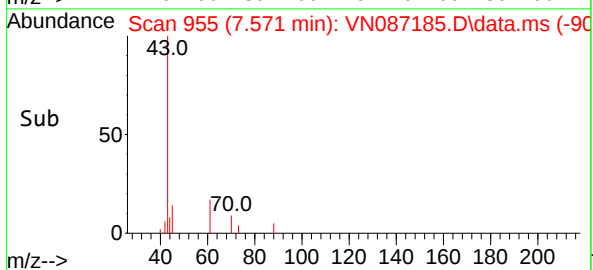
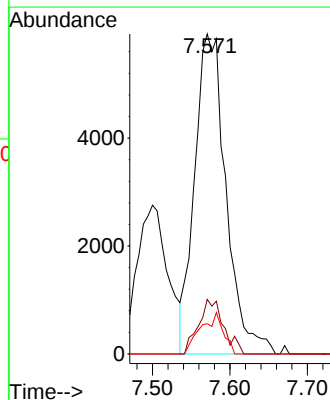
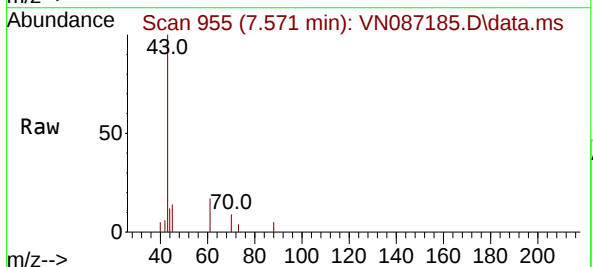
Instrument :
MSVOA_N
ClientSampleId :
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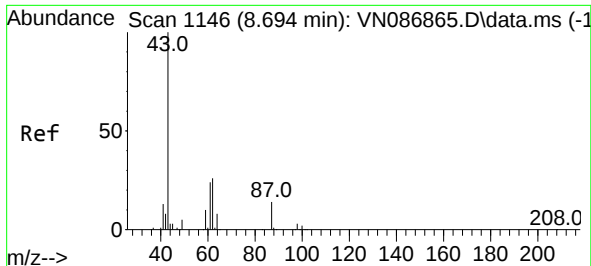
Tgt Ion:113 Resp: 82000
Ion Ratio Lower Upper
113 100
111 104.7 84.2 126.2
192 17.5 14.2 21.4



#37
Ethyl Acetate
Concen: 5.311 ug/l
RT: 7.571 min Scan# 955
Delta R.T. -0.006 min
Lab File: VN087185.D
Acq: 26 Jun 2025 11:40

Tgt Ion: 43 Resp: 16662
Ion Ratio Lower Upper
43 100
61 13.6 12.1 18.1
70 9.2 9.8 14.6#

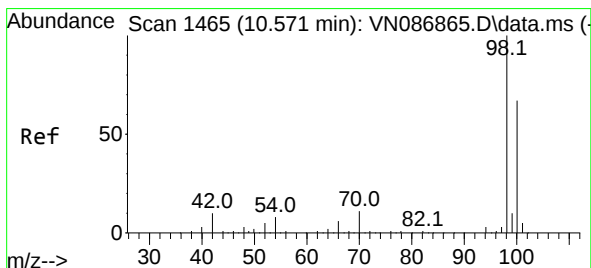
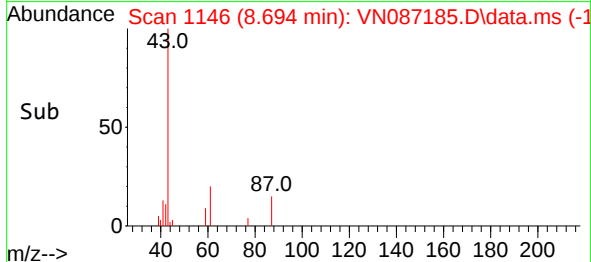
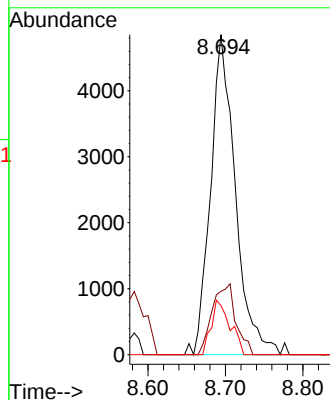
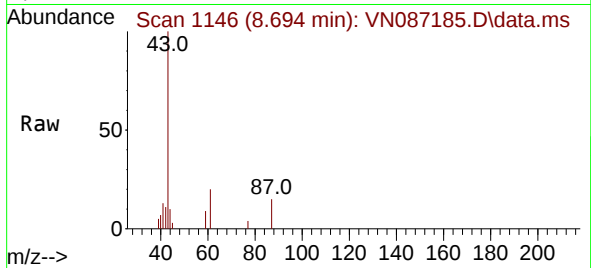




#43
Isopropyl Acetate
Concen: 2.144 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. -0.000 min
Lab File: VN087185.D
Acq: 26 Jun 2025 11:40

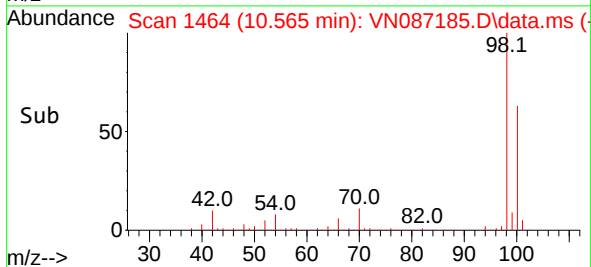
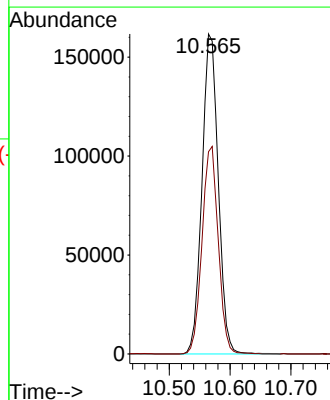
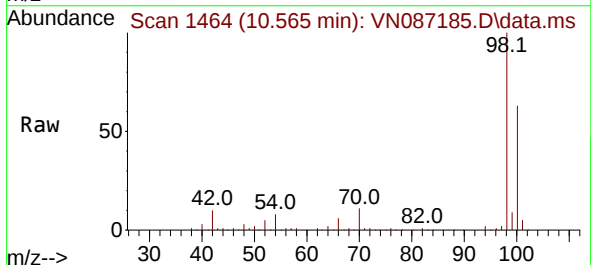
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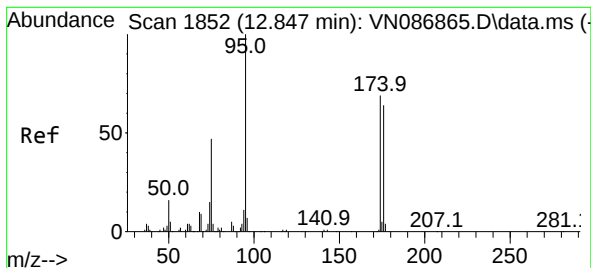
Tgt Ion: 43 Resp: 10794
Ion Ratio Lower Upper
43 100
61 21.0 22.1 33.1#
87 12.9 11.8 17.6



#50
Toluene-d8
Concen: 45.868 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN087185.D
Acq: 26 Jun 2025 11:40

Tgt Ion: 98 Resp: 300292
Ion Ratio Lower Upper
98 100
100 64.7 53.4 80.0

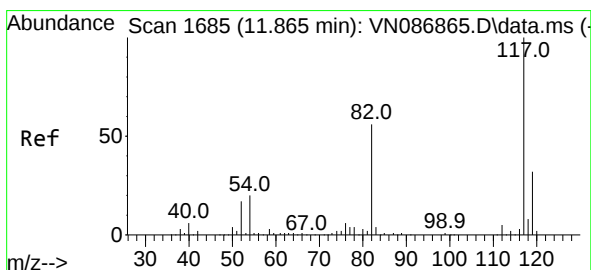
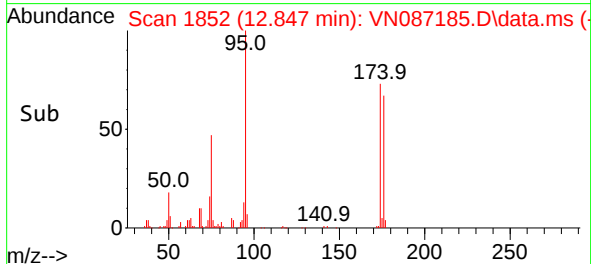
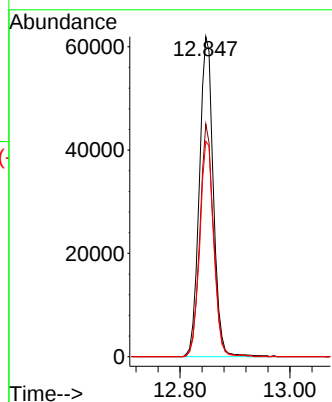
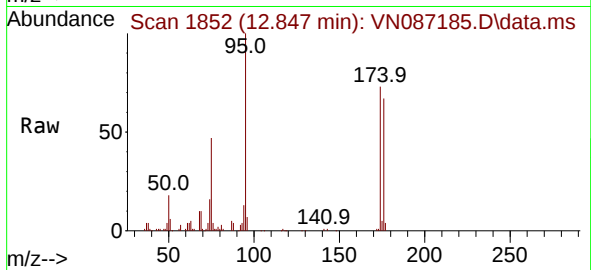




#62
4-Bromofluorobenzene
Concen: 44.891 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087185.D
Acq: 26 Jun 2025 11:40

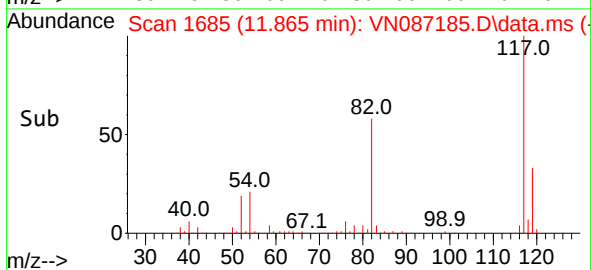
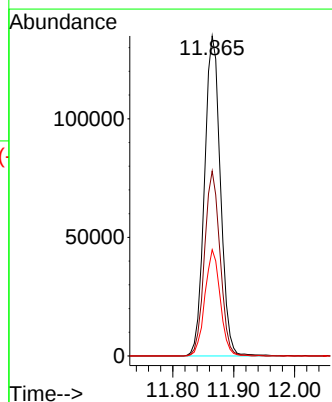
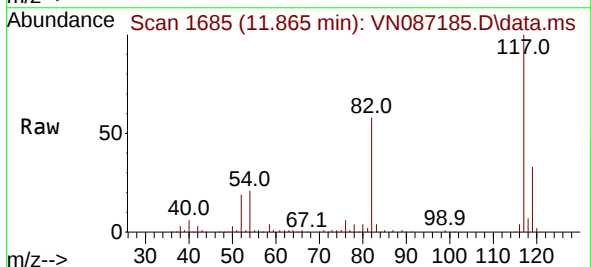
Instrument :
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SU-1-062025

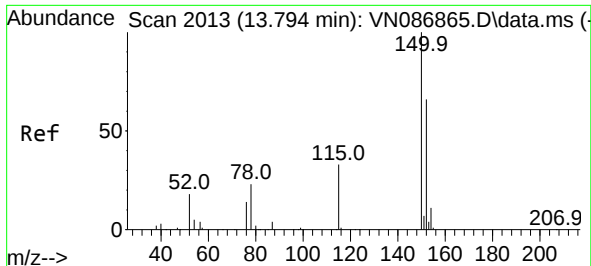
Tgt Ion: 95 Resp: 109191
Ion Ratio Lower Upper
95 100
174 71.2 0.0 141.8
176 67.4 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN087185.D
Acq: 26 Jun 2025 11:40

Tgt Ion: 117 Resp: 245710
Ion Ratio Lower Upper
117 100
82 57.8 44.6 67.0
119 33.2 25.5 38.3

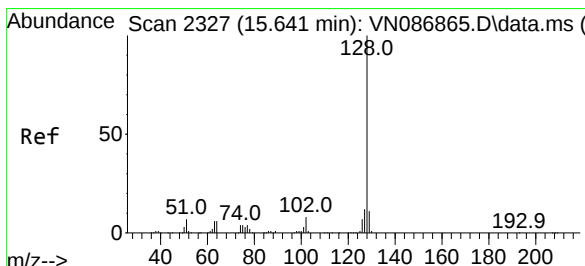
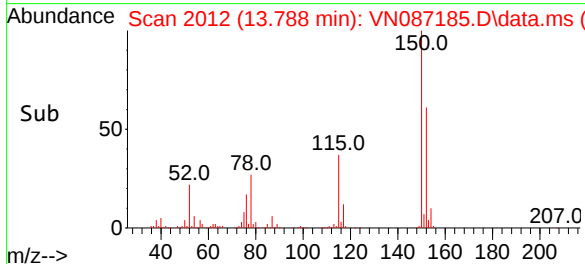
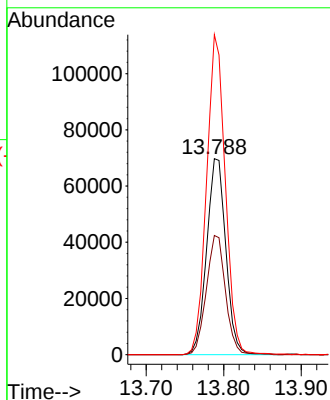
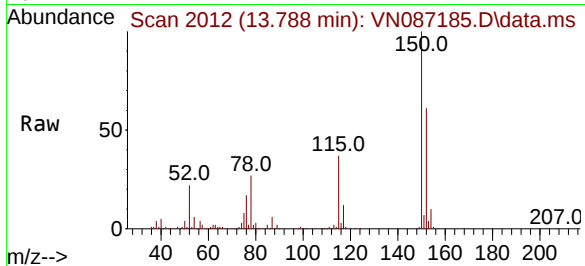




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2013
Delta R.T. -0.006 min
Lab File: VN087185.D
Acq: 26 Jun 2025 11:40

Instrument :
MSVOA_N
ClientSampleId :
SU-1-062025

Tgt Ion:152 Resp: 119971
Ion Ratio Lower Upper
152 100
115 60.9 30.1 90.5
150 159.0 0.0 345.0



#95
Naphthalene
Concen: 41.022 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.006 min
Lab File: VN087185.D
Acq: 26 Jun 2025 11:40

Tgt Ion:128 Resp: 369412
Ion Ratio Lower Upper
128 100
127 12.5 10.2 15.2
129 10.8 8.8 13.2

