

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
 Data File : VN086875.D
 Acq On : 06 Jun 2025 18:42
 Operator : JC\MD
 Sample : Q2237-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TW-WTS-10

Quant Time: Jun 07 02:28:28 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)

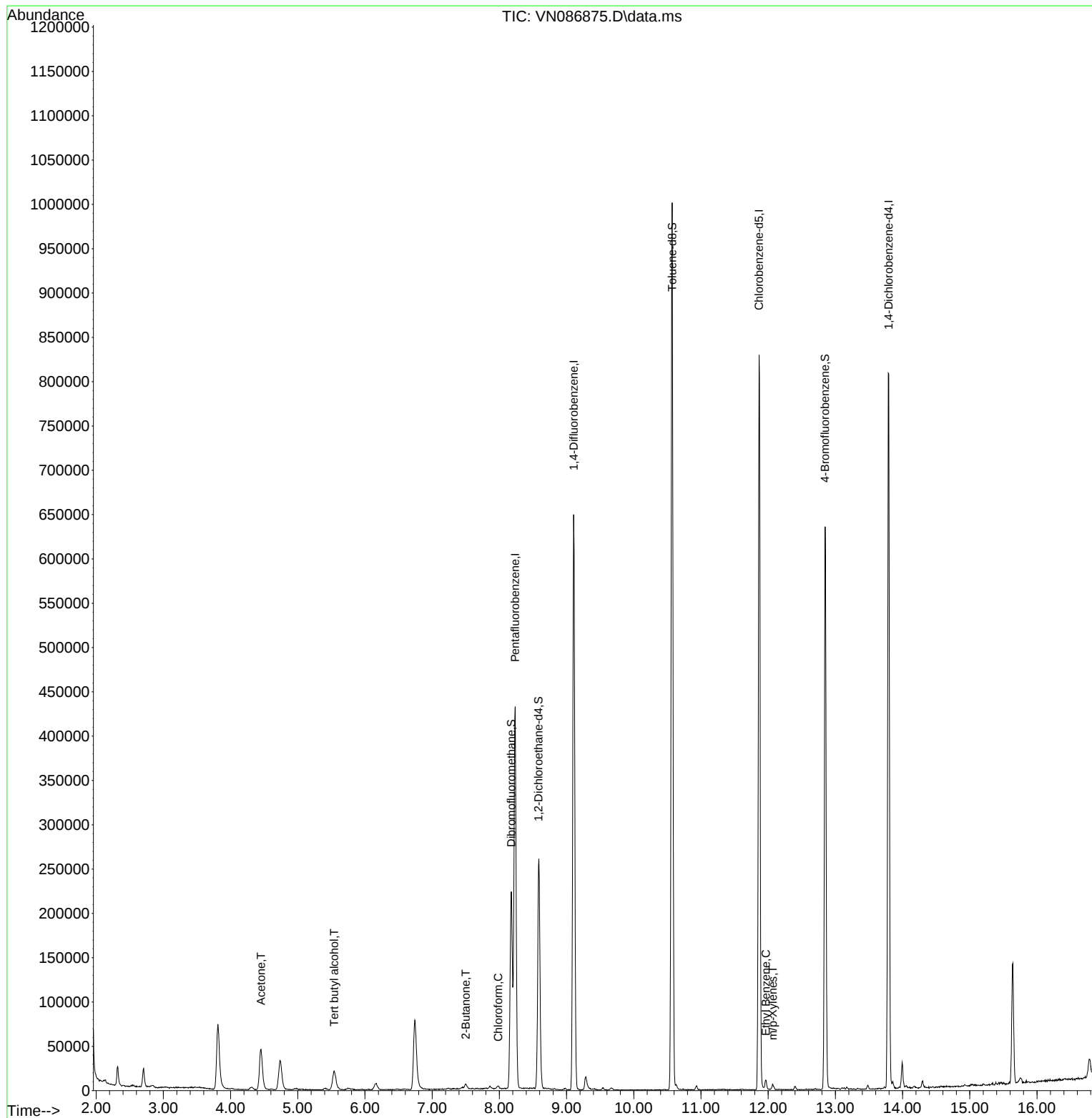
Internal Standards						
1) Pentafluorobenzene	8.235	168	335826	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	595271	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	514382	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	237388	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	212375	47.233	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.460%
35) Dibromofluoromethane	8.177	113	172709	48.958	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.920%
50) Toluene-d8	10.571	98	718532	51.451	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.900%
62) 4-Bromofluorobenzene	12.847	95	249738	48.133	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	96.260%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.542	59	45098	36.964	ug/l	98
16) Acetone	4.453	43	92129	38.638	ug/l	100
25) 2-Butanone	7.500	43	9042	2.333	ug/l	98
30) Chloroform	7.983	83	3307	0.440	ug/l	90
67) Ethyl Benzene	11.965	91	8464	0.433	ug/l	94
68) m/p-Xylenes	12.071	106	1942	0.260	ug/l	82

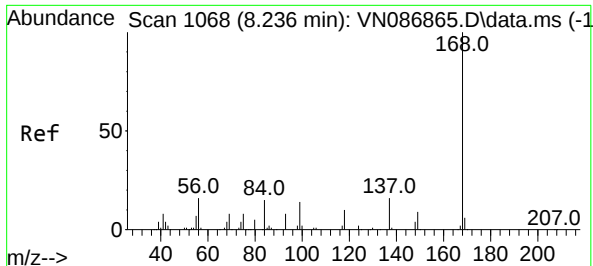
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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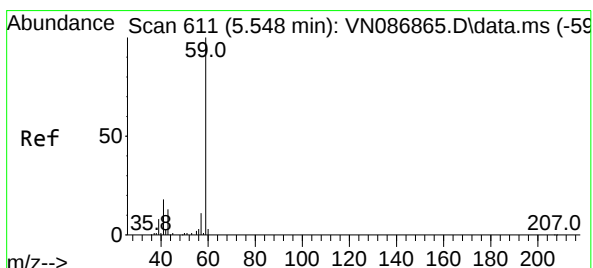
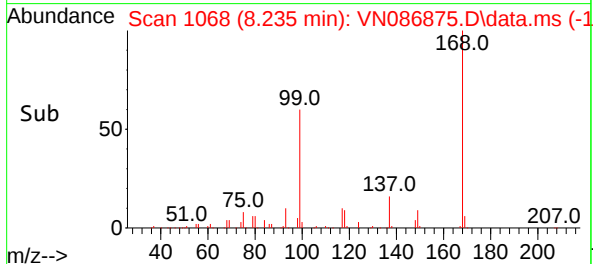
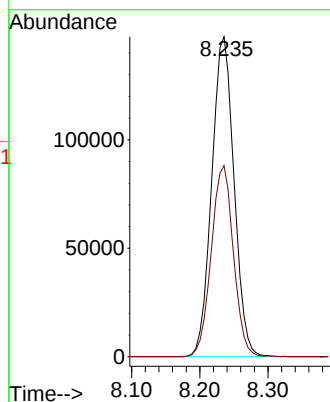
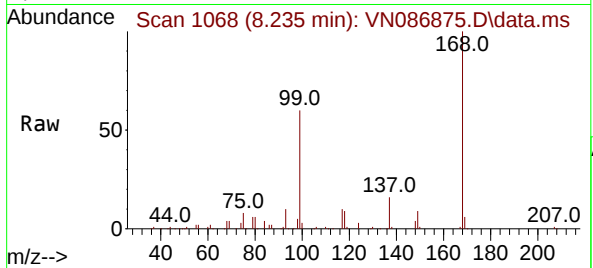




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.001 min
Lab File: VN086875.D
Acq: 06 Jun 2025 18:42

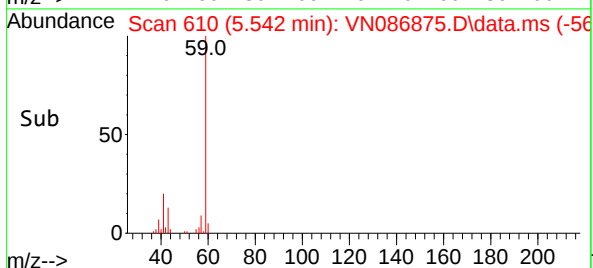
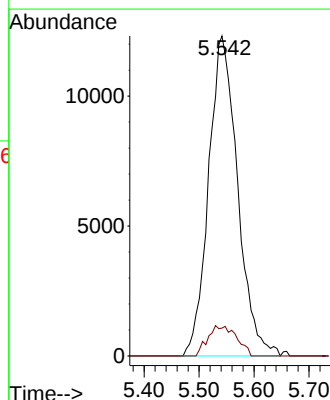
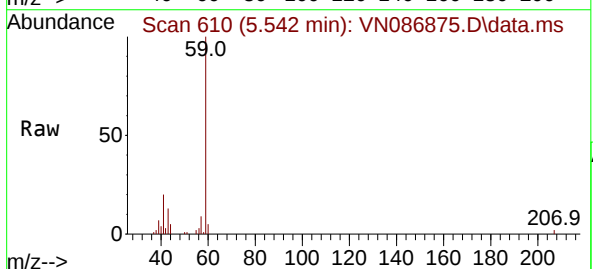
Instrument :
MSVOA_N
ClientSampleId :
TW-WTS-10

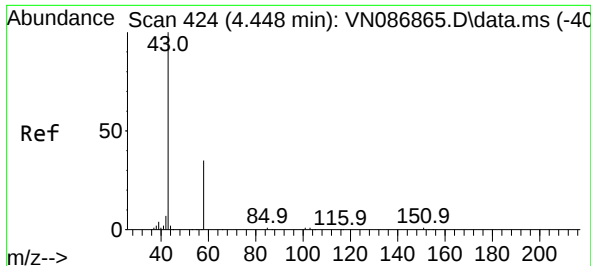
Tgt Ion:168 Resp: 335826
Ion Ratio Lower Upper
168 100
99 59.7 49.1 73.7



#11
Tert butyl alcohol
Concen: 36.964 ug/l
RT: 5.542 min Scan# 610
Delta R.T. -0.006 min
Lab File: VN086875.D
Acq: 06 Jun 2025 18:42

Tgt Ion: 59 Resp: 45098
Ion Ratio Lower Upper
59 100
57 9.3 8.1 12.1

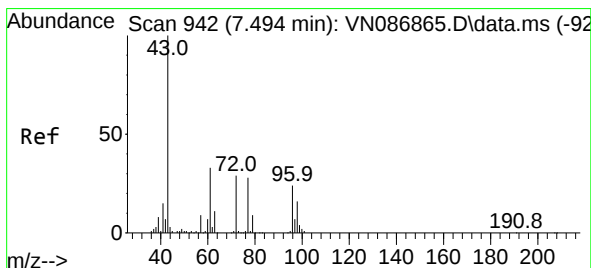
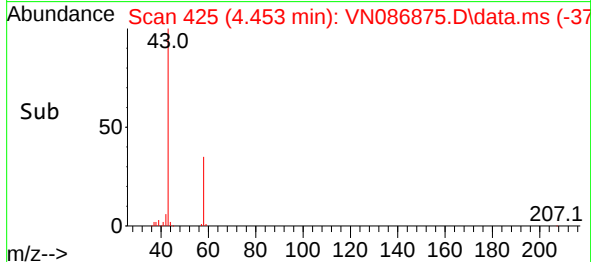
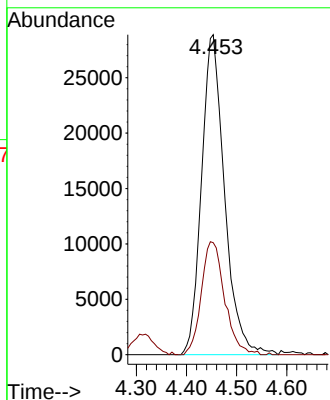
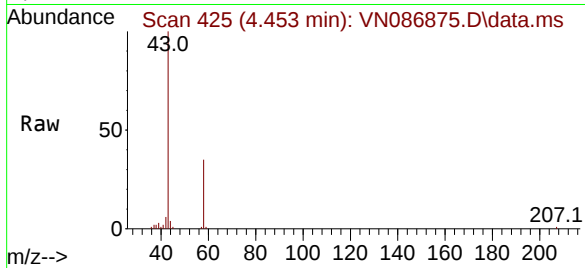




#16
Acetone
Concen: 38.638 ug/l
RT: 4.453 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN086875.D
Acq: 06 Jun 2025 18:42

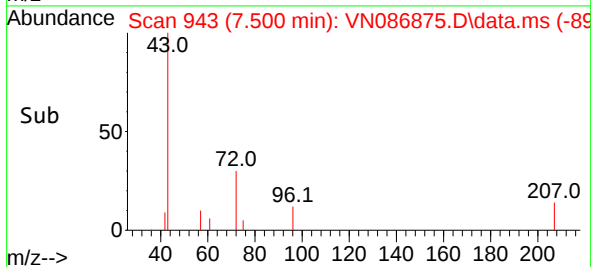
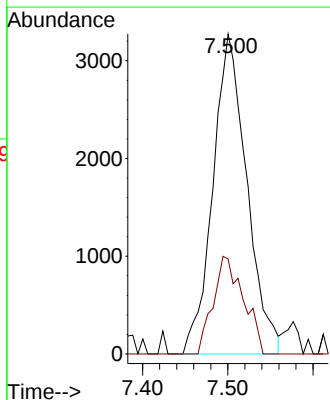
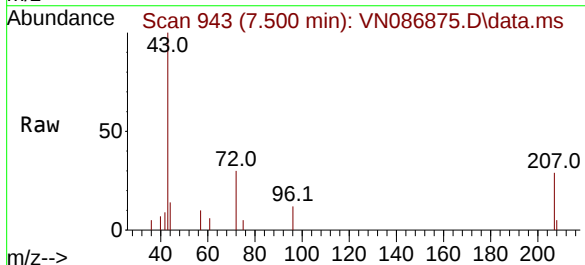
Instrument :
MSVOA_N
ClientSampleId :
TW-WTS-10

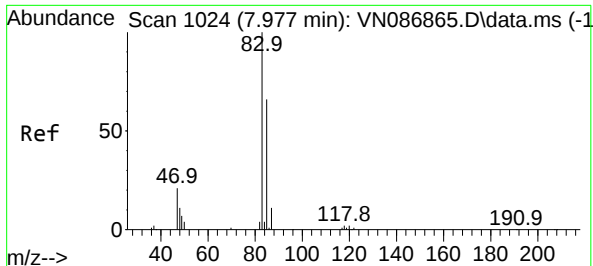
Tgt Ion: 43 Resp: 92129
Ion Ratio Lower Upper
43 100
58 35.0 28.0 42.0



#25
2-Butanone
Concen: 2.333 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN086875.D
Acq: 06 Jun 2025 18:42

Tgt Ion: 43 Resp: 9042
Ion Ratio Lower Upper
43 100
72 29.7 23.0 34.6





#30

Chloroform

Concen: 0.440 ug/l

RT: 7.983 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN086875.D

Acq: 06 Jun 2025 18:42

Instrument :

MSVOA_N

ClientSampleId :

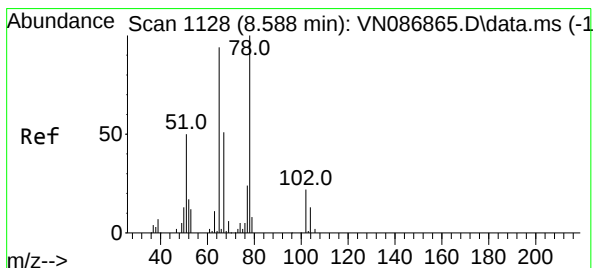
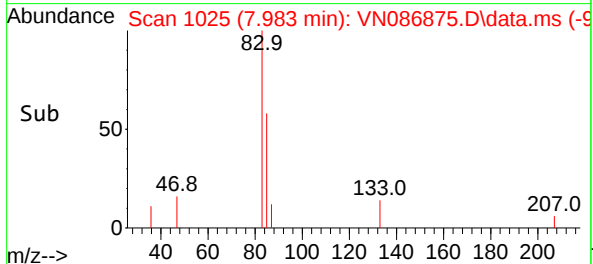
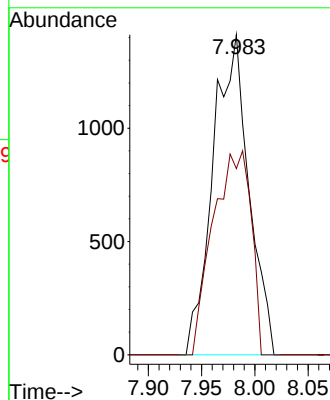
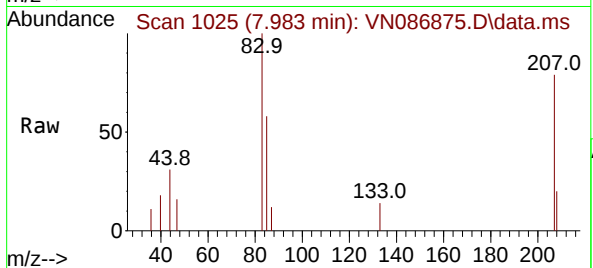
TW-WTS-10

Tgt Ion: 83 Resp: 3307

Ion Ratio Lower Upper

83 100

85 58.2 52.9 79.3



#33

1,2-Dichloroethane-d4

Concen: 47.233 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VN086875.D

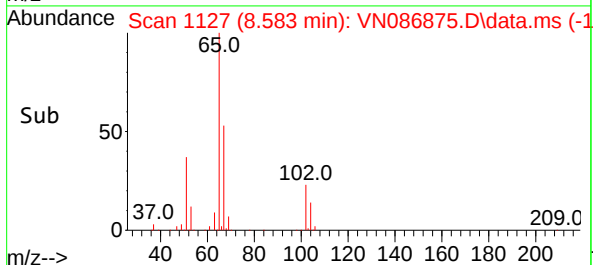
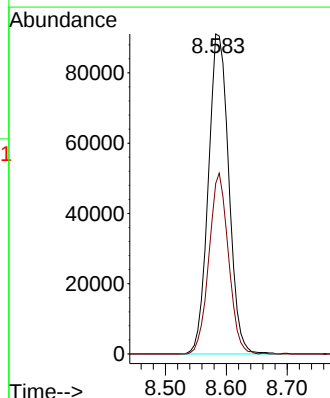
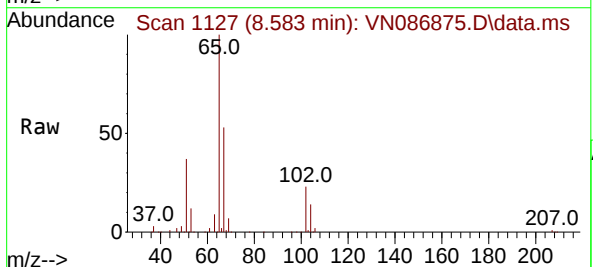
Acq: 06 Jun 2025 18:42

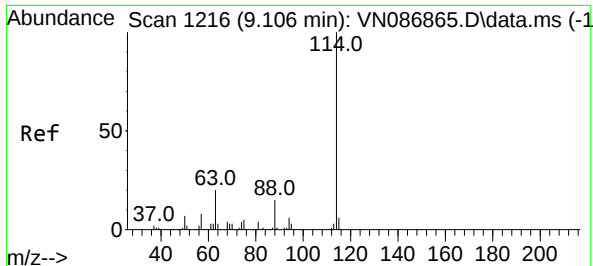
Tgt Ion: 65 Resp: 212375

Ion Ratio Lower Upper

65 100

67 53.8 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086875.D

Acq: 06 Jun 2025 18:42

Instrument :

MSVOA_N

ClientSampleId :

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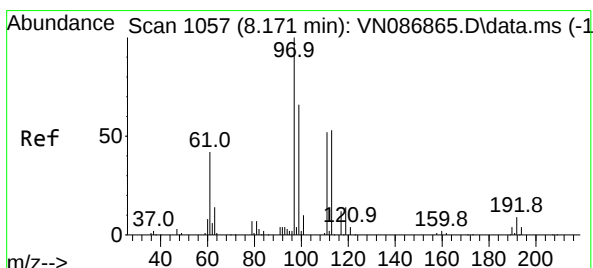
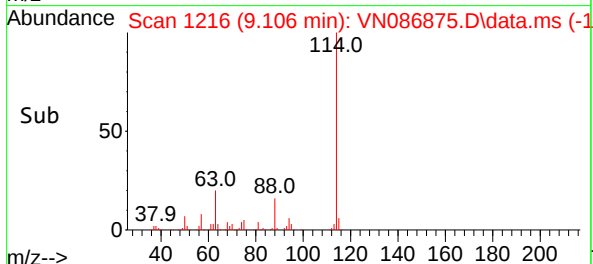
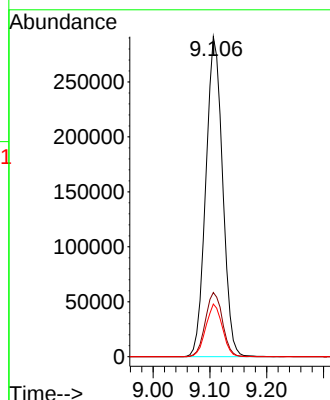
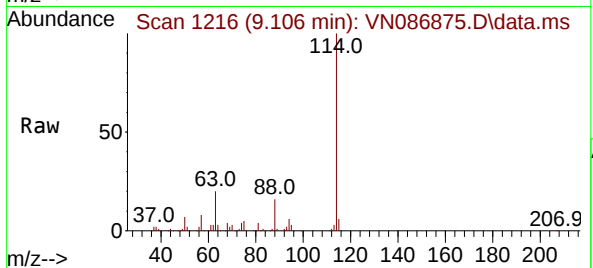
Tgt Ion:114 Resp: 595271

Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.6

88 16.4 0.0 30.2



#35

Dibromofluoromethane

Concen: 48.958 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN086875.D

Acq: 06 Jun 2025 18:42

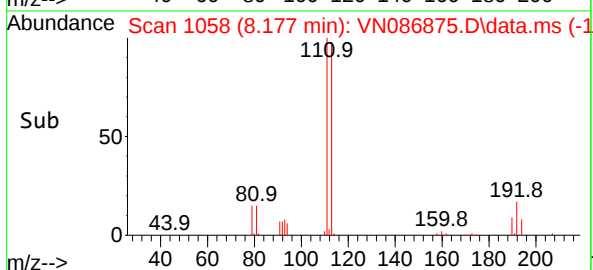
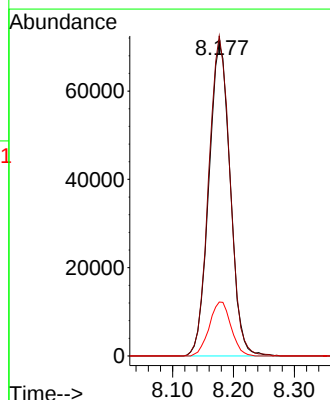
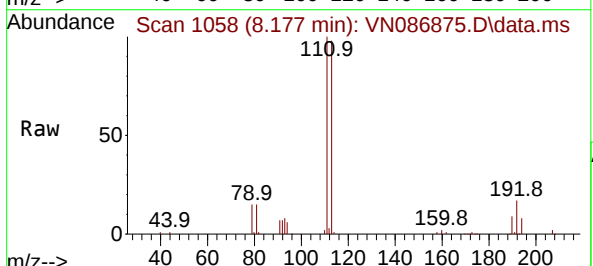
Tgt Ion:113 Resp: 172709

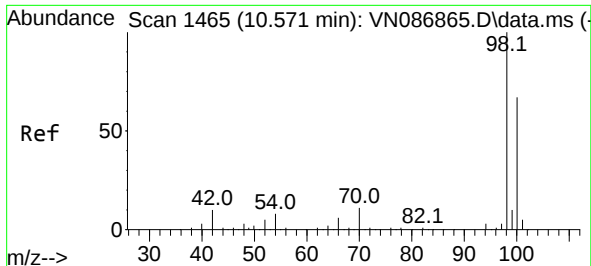
Ion Ratio Lower Upper

113 100

111 101.9 84.2 126.2

192 17.5 14.2 21.4

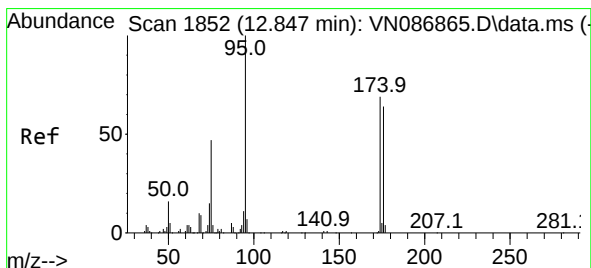
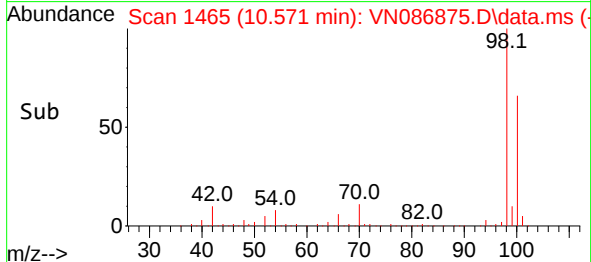
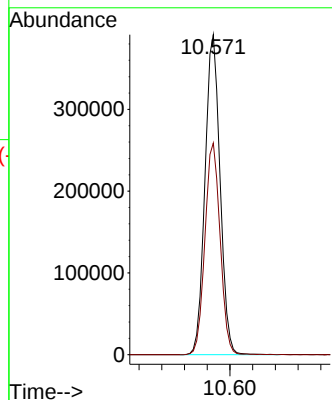
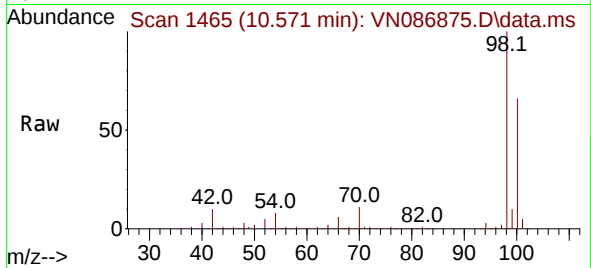




#50
Toluene-d8
Concen: 51.451 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086875.D
Acq: 06 Jun 2025 18:42

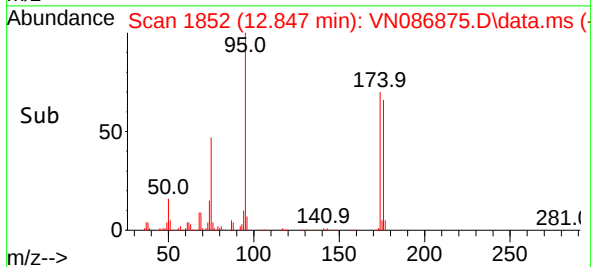
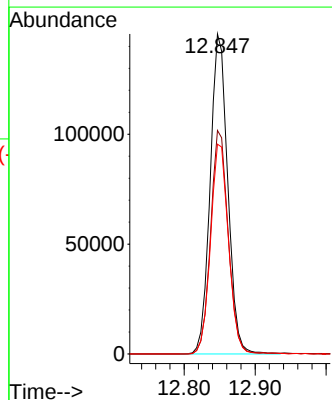
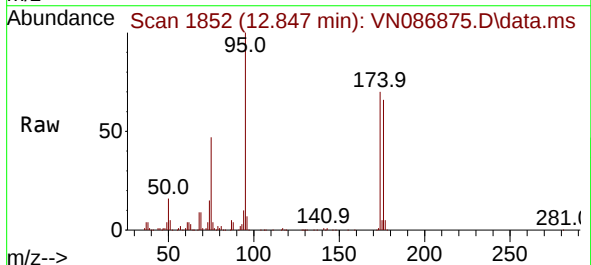
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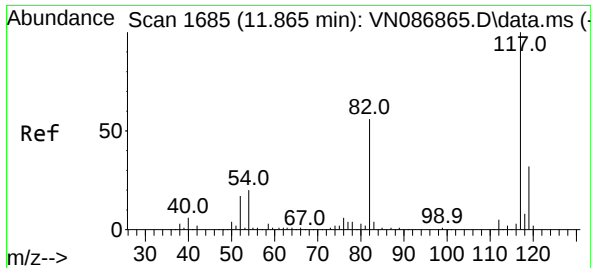
Tgt Ion: 98 Resp: 718532
Ion Ratio Lower Upper
98 100
100 66.6 53.4 80.0



#62
4-Bromofluorobenzene
Concen: 48.133 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086875.D
Acq: 06 Jun 2025 18:42

Tgt Ion: 95 Resp: 249738
Ion Ratio Lower Upper
95 100
174 70.3 0.0 141.8
176 67.1 0.0 132.6

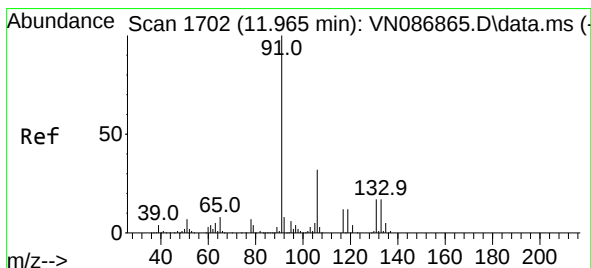
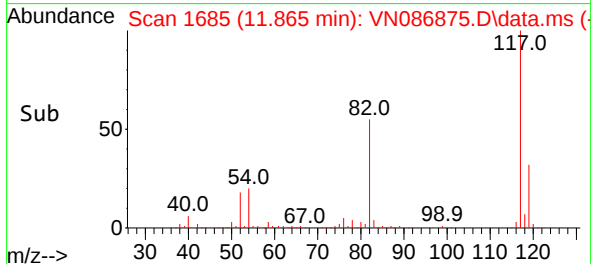
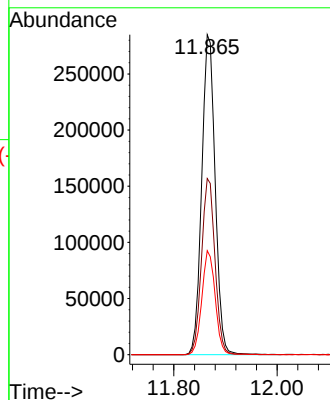
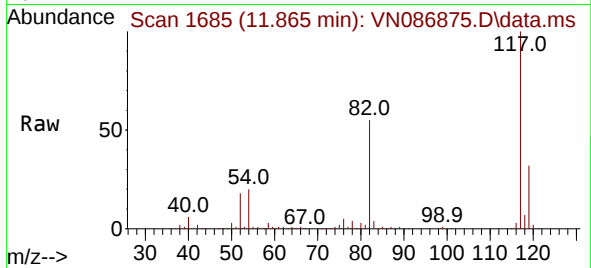




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN086875.D
Acq: 06 Jun 2025 18:42

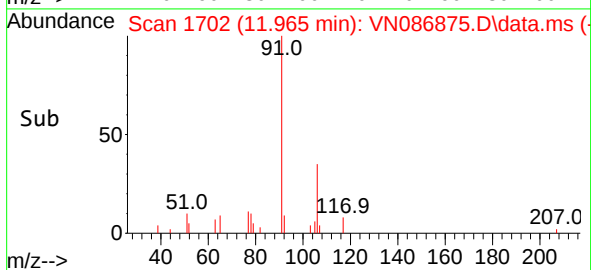
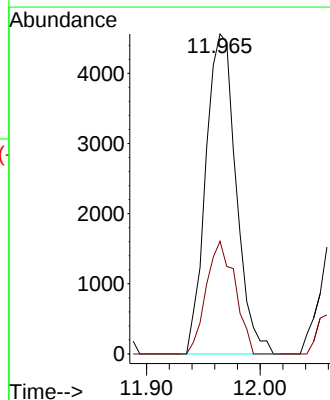
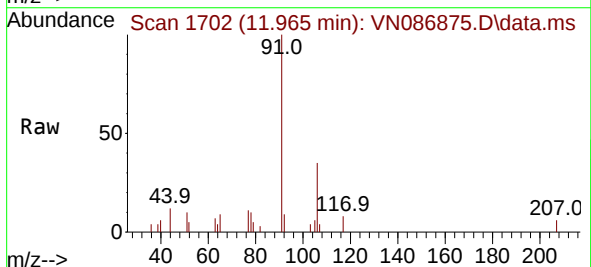
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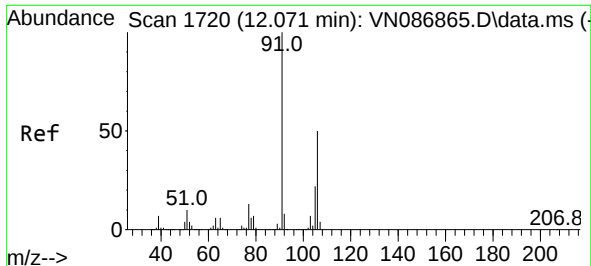
Tgt Ion:117 Resp: 514382
Ion Ratio Lower Upper
117 100
82 55.1 44.6 67.0
119 32.5 25.5 38.3



#67
Ethyl Benzene
Concen: 0.433 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN086875.D
Acq: 06 Jun 2025 18:42

Tgt Ion: 91 Resp: 8464
Ion Ratio Lower Upper
91 100
106 35.2 25.4 38.2

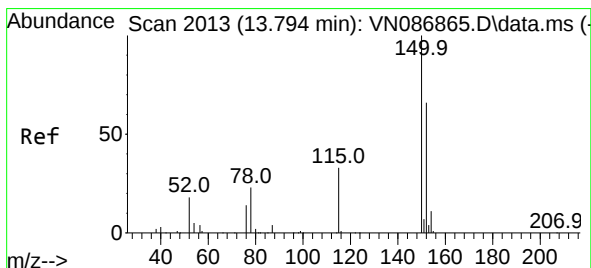
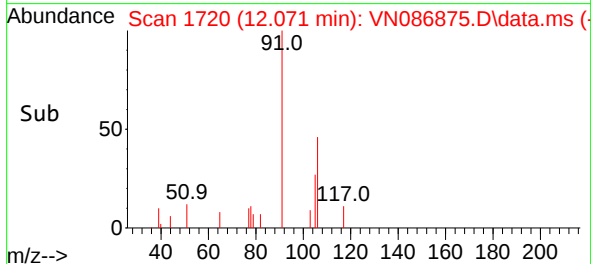
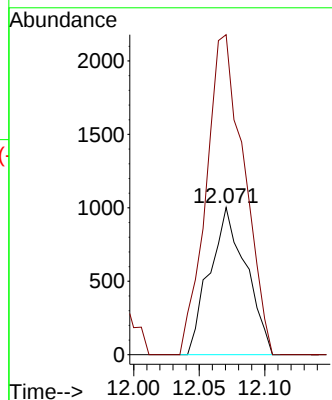
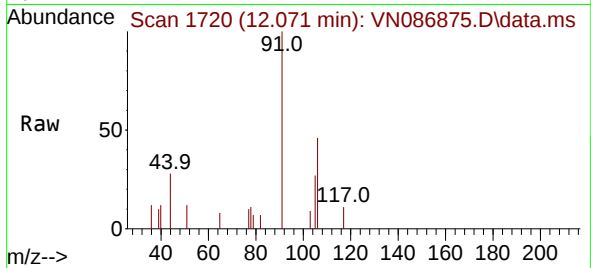




#68
m/p-Xylenes
Concen: 0.260 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN086875.D
Acq: 06 Jun 2025 18:42

Instrument :
MSVOA_N
ClientSampleId :
TW-WTS-10

Tgt Ion:106 Resp: 1942
Ion Ratio Lower Upper
106 100
91 226.0 159.4 239.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1213
Delta R.T. -0.000 min
Lab File: VN086875.D
Acq: 06 Jun 2025 18:42

Tgt Ion:152 Resp: 237388
Ion Ratio Lower Upper
152 100
115 61.6 30.1 90.5
150 159.5 0.0 345.0

