

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
 Data File : VN086897.D
 Acq On : 09 Jun 2025 12:16
 Operator : JC\MD
 Sample : Q2236-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-A4-05A-G

Quant Time: Jun 10 03:29:58 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)

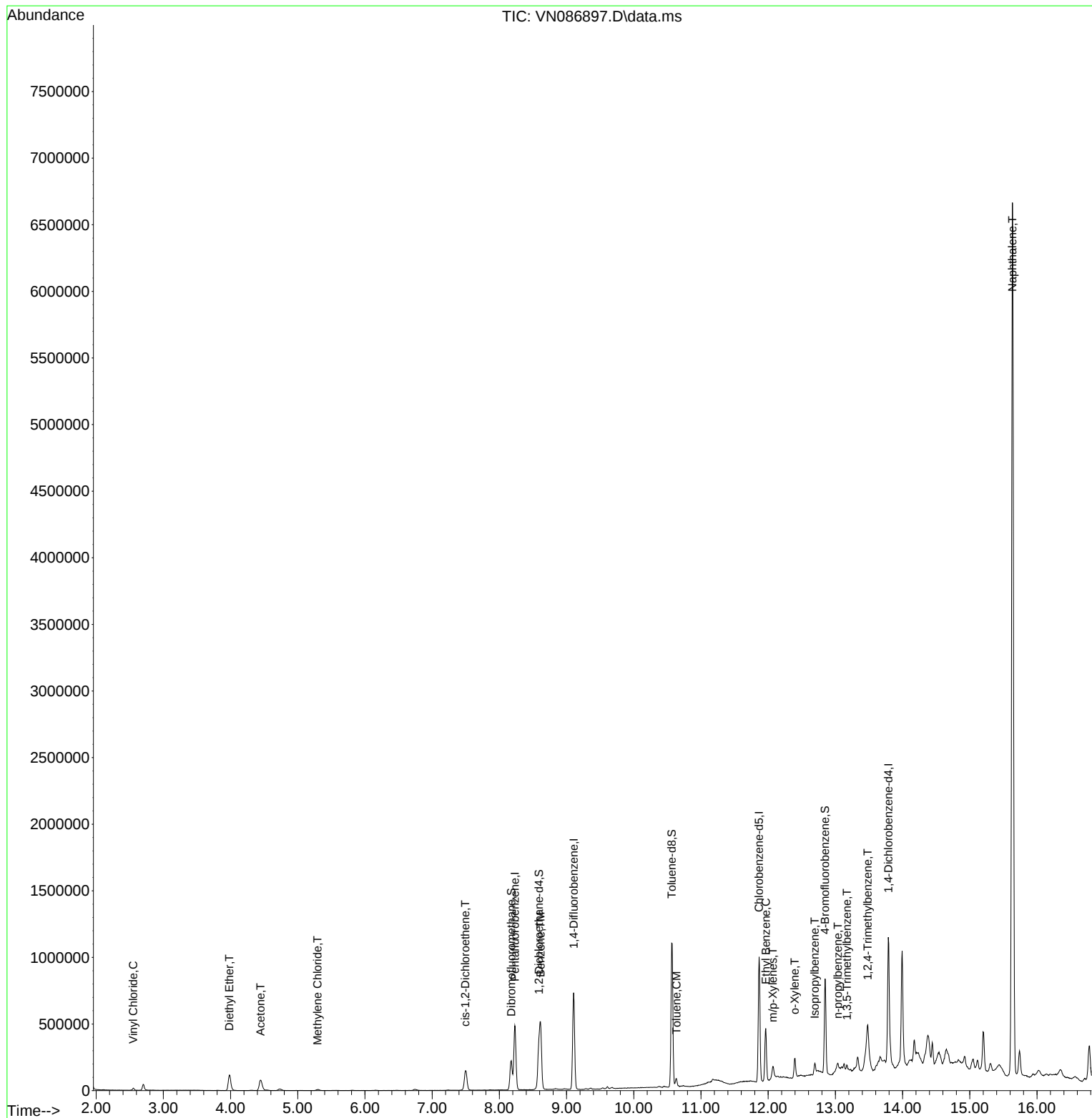
Internal Standards						
1) Pentafluorobenzene	8.230	168	386446	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	679474	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	590890	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	281341	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	224118	43.316	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	86.640%		
35) Dibromofluoromethane	8.177	113	172476	42.833	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	85.660%		
50) Toluene-d8	10.565	98	818215	51.329	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	102.660%		
62) 4-Bromofluorobenzene	12.847	95	289823	48.936	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	97.880%		
Target Compounds						Qvalue
4) Vinyl Chloride	2.553	62	15847	3.088	ug/l	98
8) Diethyl Ether	3.983	74	80769	27.644	ug/l	93
16) Acetone	4.447	43	158606	57.804	ug/l	99
20) Methylene Chloride	5.294	84	6626	1.290	ug/l #	92
27) cis-1,2-Dichloroethene	7.494	96	93467	16.331	ug/l	89
40) Benzene	8.612	78	496040	25.281	ug/l	100
52) Toluene	10.635	92	28471	2.374	ug/l	95
67) Ethyl Benzene	11.965	91	316904	14.117	ug/l	100
68) m/p-Xylenes	12.070	106	32499	3.782	ug/l	99
69) o-Xylene	12.394	106	45351	5.511	ug/l	99
73) Isopropylbenzene	12.694	105	62423	3.046	ug/l	99
78) n-propylbenzene	13.035	91	29648	1.190	ug/l	94
80) 1,3,5-Trimethylbenzene	13.170	105	17859	1.055	ug/l	100
84) 1,2,4-Trimethylbenzene	13.482	105	94451	5.566	ug/l	97
95) Naphthalene	15.635	128	6538308	309.607	ug/l	100

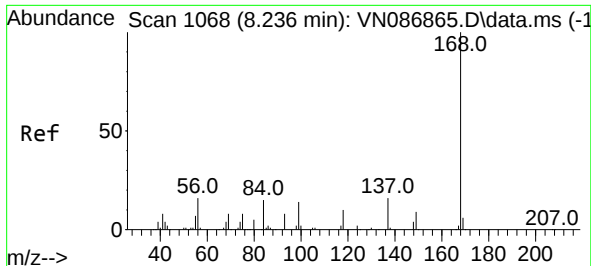
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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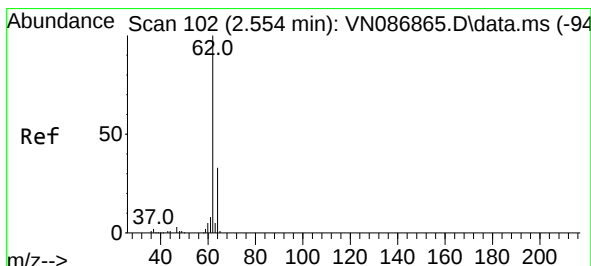
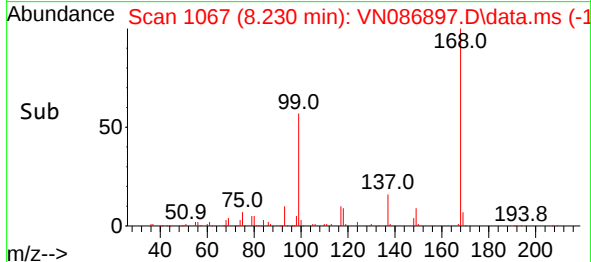
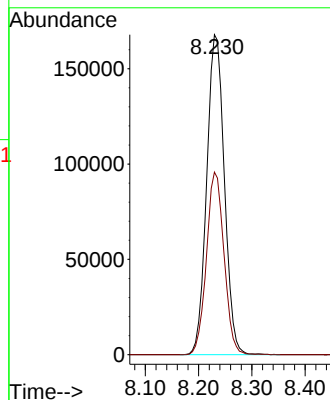
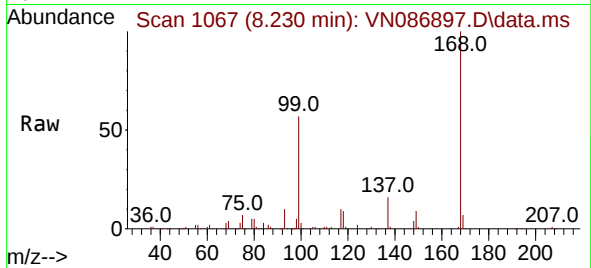




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VN086897.D
Acq: 09 Jun 2025 12:16

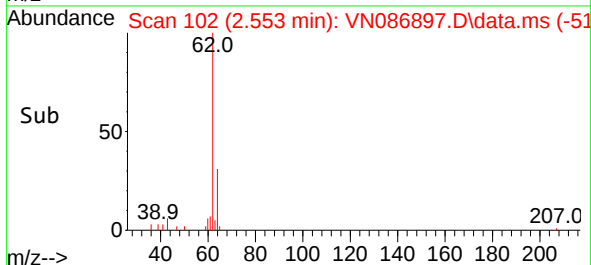
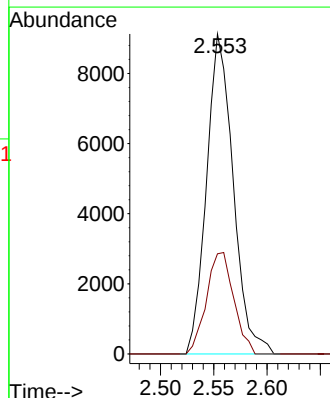
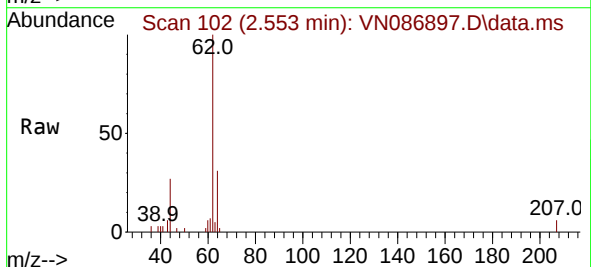
Instrument :
MSVOA_N
ClientSampleId :
WC-A4-05A-G

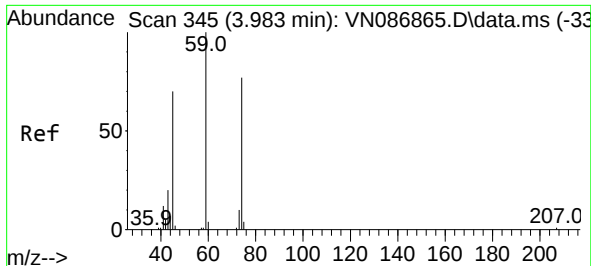
Tgt Ion:168 Resp: 386446
Ion Ratio Lower Upper
168 100
99 57.0 49.1 73.7



#4
Vinyl Chloride
Concen: 3.088 ug/l
RT: 2.553 min Scan# 102
Delta R.T. -0.000 min
Lab File: VN086897.D
Acq: 09 Jun 2025 12:16

Tgt Ion: 62 Resp: 15847
Ion Ratio Lower Upper
62 100
64 31.3 26.0 39.0

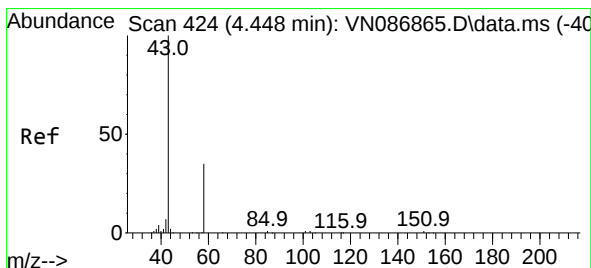
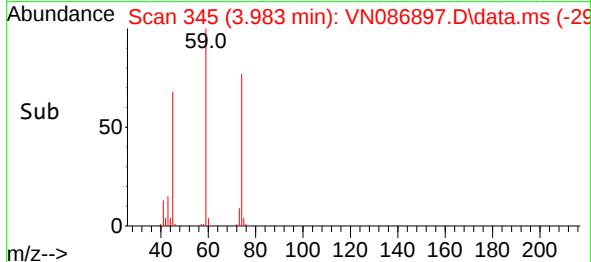
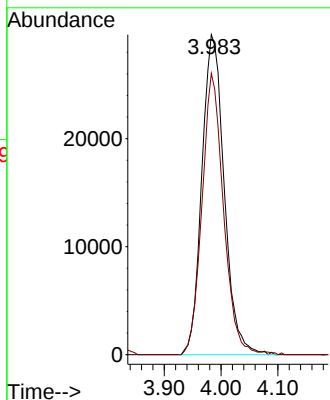
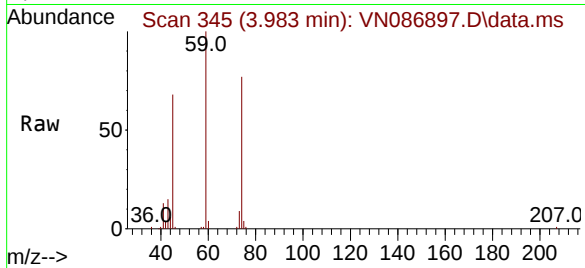




#8
Diethyl Ether
Concen: 27.644 ug/l
RT: 3.983 min Scan# 345
Delta R.T. -0.000 min
Lab File: VN086897.D
Acq: 09 Jun 2025 12:16

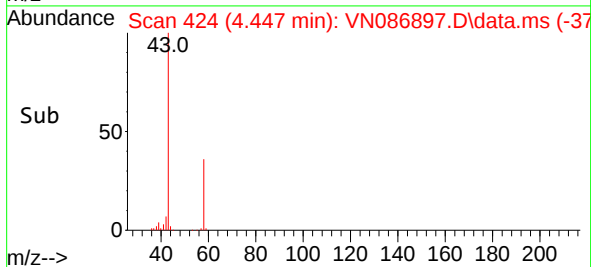
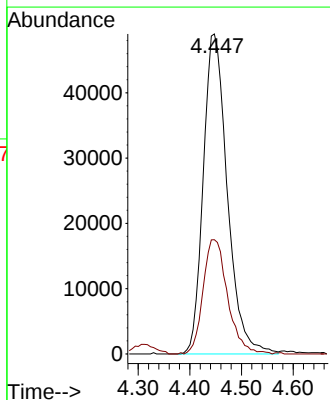
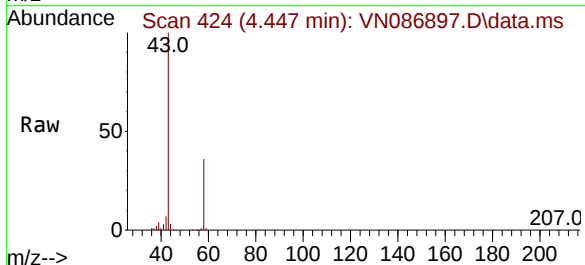
Instrument :
MSVOA_N
ClientSampleId :
WC-A4-05A-G

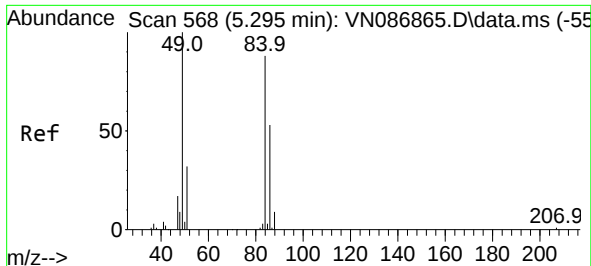
Tgt Ion: 74 Resp: 80769
Ion Ratio Lower Upper
74 100
45 84.8 45.5 136.5



#16
Acetone
Concen: 57.804 ug/l
RT: 4.447 min Scan# 424
Delta R.T. -0.000 min
Lab File: VN086897.D
Acq: 09 Jun 2025 12:16

Tgt Ion: 43 Resp: 158606
Ion Ratio Lower Upper
43 100
58 35.7 28.0 42.0

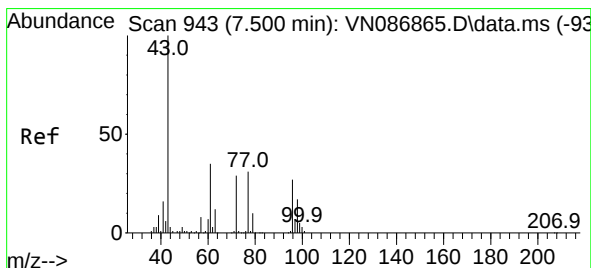
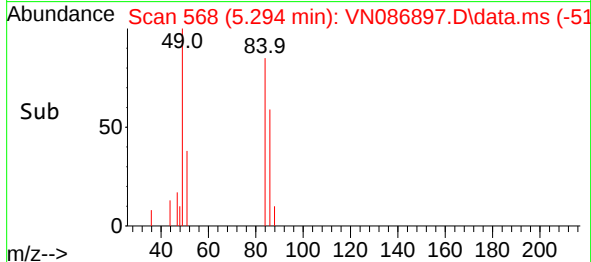
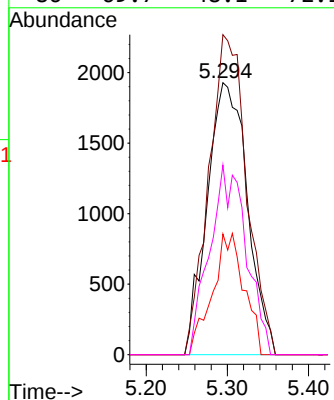
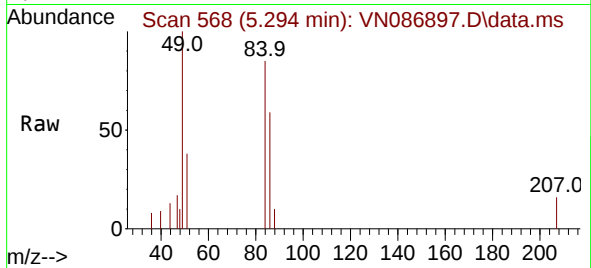




#20
Methylene Chloride
Concen: 1.290 ug/l
RT: 5.294 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN086897.D
Acq: 09 Jun 2025 12:16

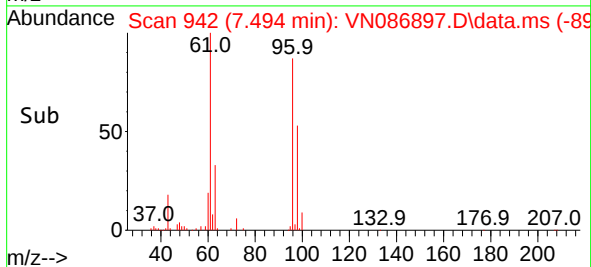
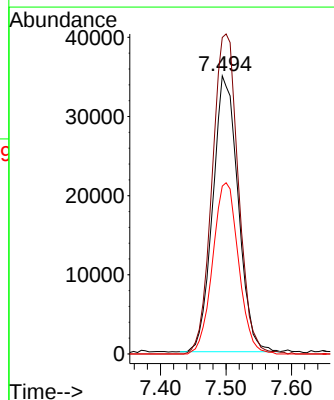
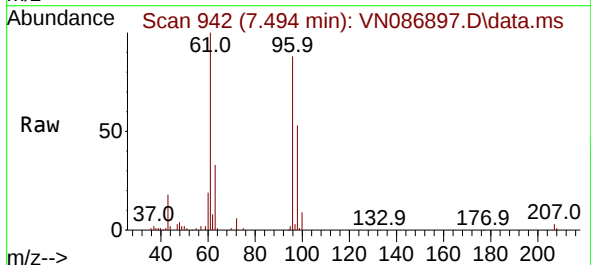
Instrument :
MSVOA_N
ClientSampleId :
WC-A4-05A-G

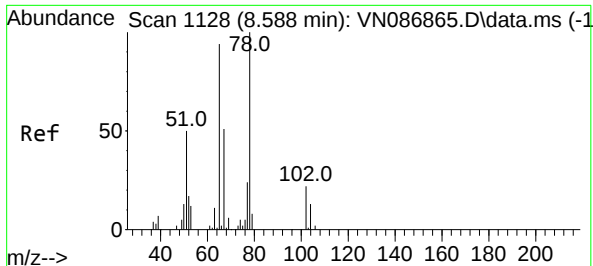
Tgt Ion:	84	Resp:	6626
Ion	Ratio	Lower	Upper
84	100		
49	117.6	90.5	135.7
51	44.3	28.5	42.7#
86	69.7	48.1	72.1



#27
cis-1,2-Dichloroethene
Concen: 16.331 ug/l
RT: 7.494 min Scan# 942
Delta R.T. -0.006 min
Lab File: VN086897.D
Acq: 09 Jun 2025 12:16

Tgt Ion:	96	Resp:	93467
Ion	Ratio	Lower	Upper
96	100		
61	119.9	0.0	278.0
98	63.3	0.0	128.2





#33

1,2-Dichloroethane-d4

Concen: 43.316 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN086897.D

Acq: 09 Jun 2025 12:16

Instrument :

MSVOA_N

ClientSampleId :

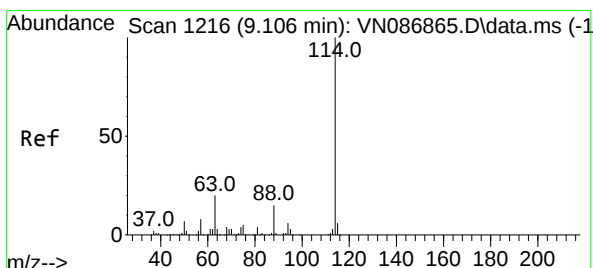
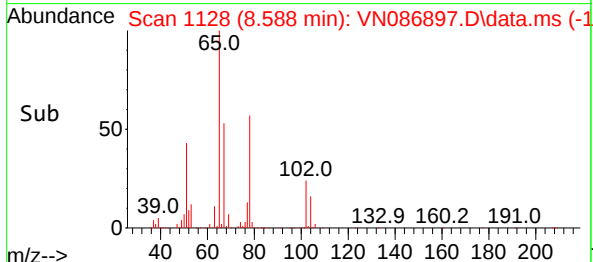
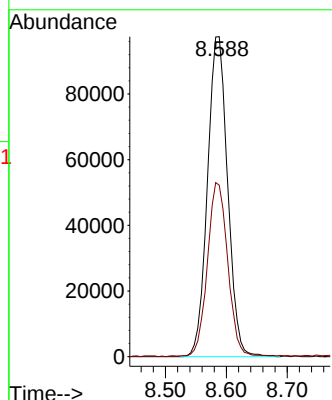
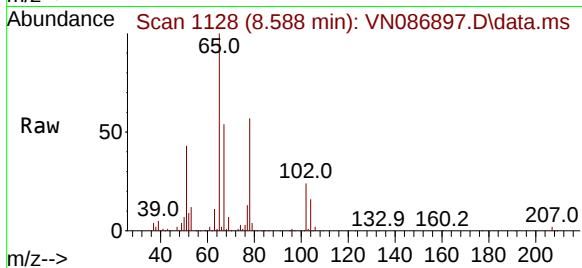
WC-A4-05A-G

Tgt Ion: 65 Resp: 224118

Ion Ratio Lower Upper

65 100

67 54.3 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: VN086897.D

Acq: 09 Jun 2025 12:16

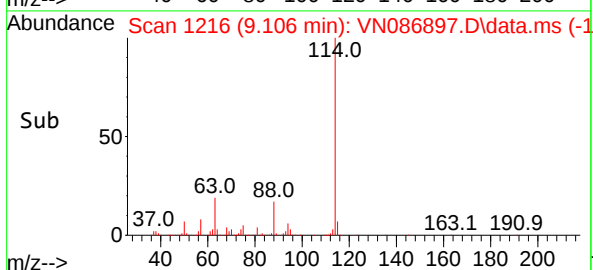
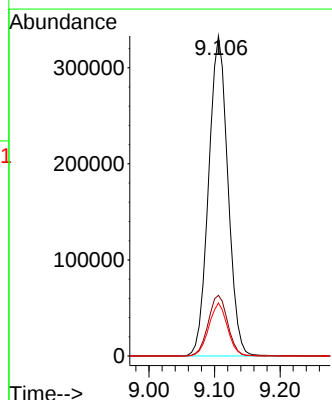
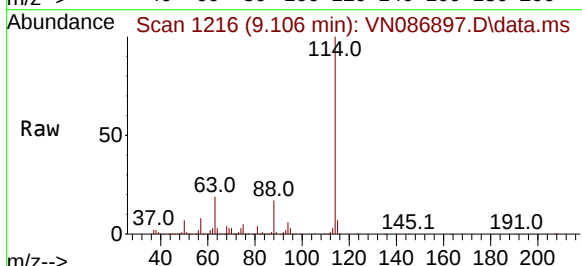
Tgt Ion: 114 Resp: 679474

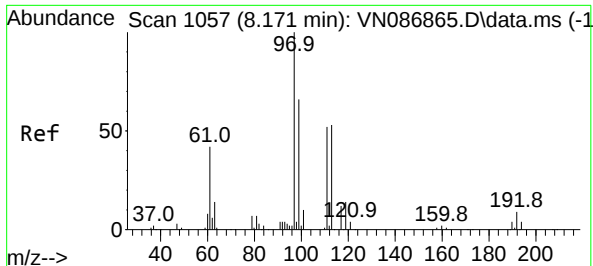
Ion Ratio Lower Upper

114 100

63 19.0 0.0 39.6

88 16.5 0.0 30.2

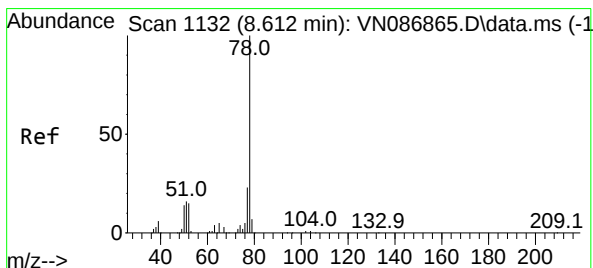
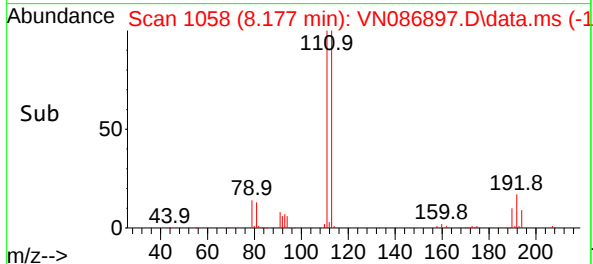
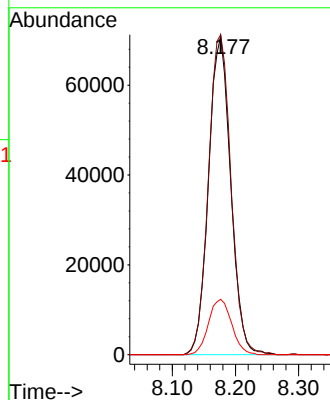
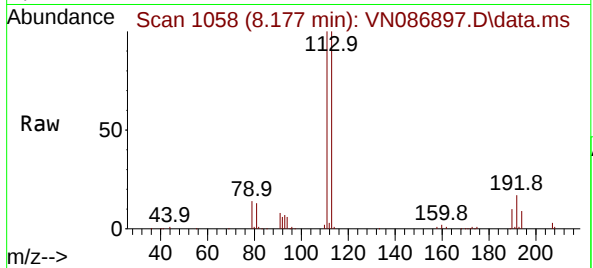




#35
 Dibromofluoromethane
 Concen: 42.833 ug/l
 RT: 8.177 min Scan# 1057
 Delta R.T. 0.006 min
 Lab File: VN086897.D
 Acq: 09 Jun 2025 12:16

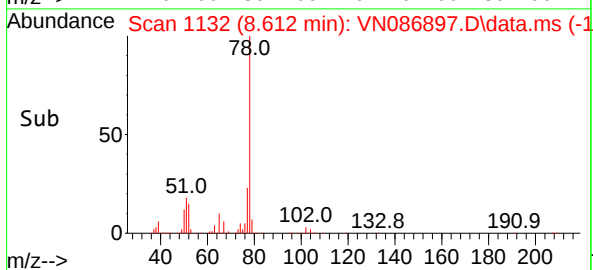
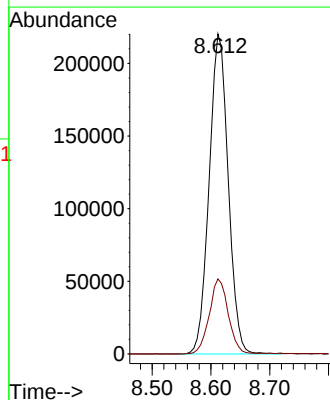
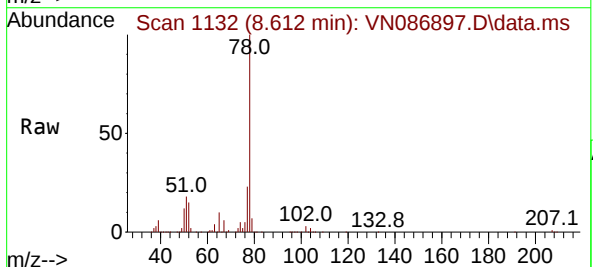
Instrument :
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 WC-A4-05A-G

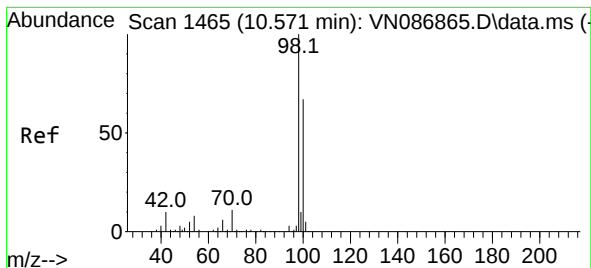
Tgt Ion:113 Resp: 172476
 Ion Ratio Lower Upper
 113 100
 111 102.3 84.2 126.2
 192 18.3 14.2 21.4



#40
 Benzene
 Concen: 25.281 ug/l
 RT: 8.612 min Scan# 1132
 Delta R.T. -0.000 min
 Lab File: VN086897.D
 Acq: 09 Jun 2025 12:16

Tgt Ion: 78 Resp: 496040
 Ion Ratio Lower Upper
 78 100
 77 23.4 18.7 28.1

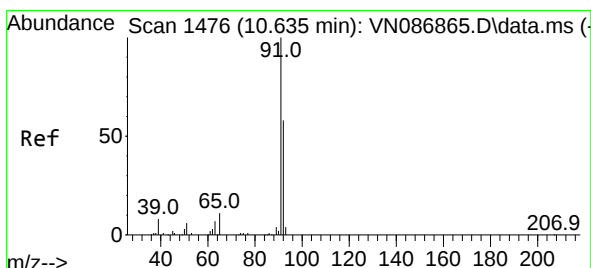
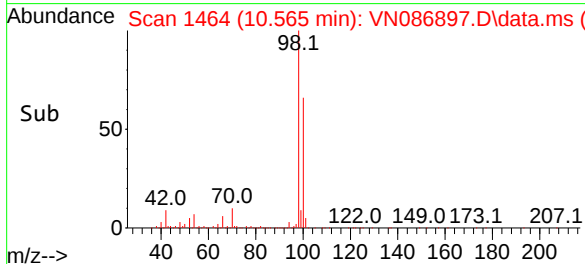
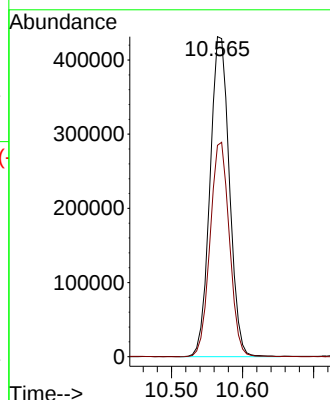
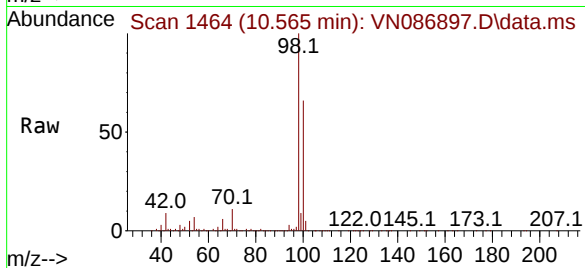




#50
Toluene-d8
Concen: 51.329 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN086897.D
Acq: 09 Jun 2025 12:16

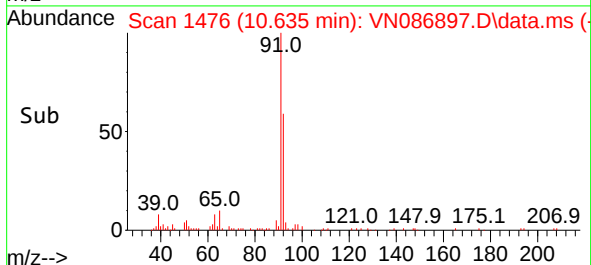
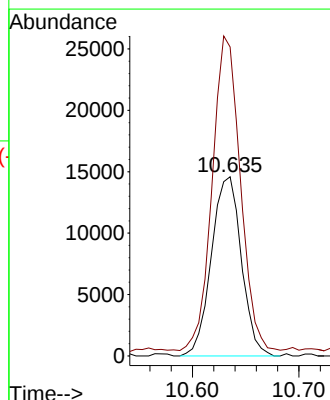
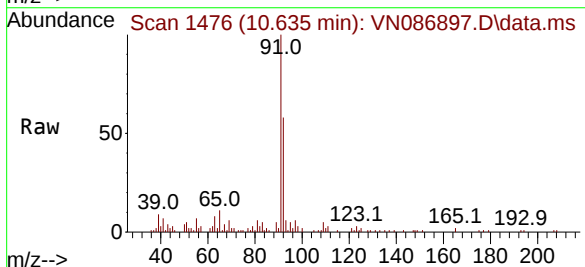
Instrument :
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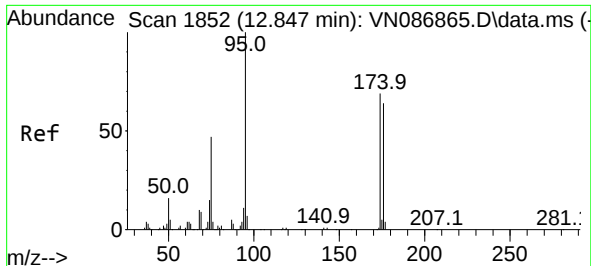
Tgt Ion: 98 Resp: 818215
Ion Ratio Lower Upper
98 100
100 66.6 53.4 80.0



#52
Toluene
Concen: 2.374 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VN086897.D
Acq: 09 Jun 2025 12:16

Tgt Ion: 92 Resp: 28471
Ion Ratio Lower Upper
92 100
91 163.8 136.5 204.7

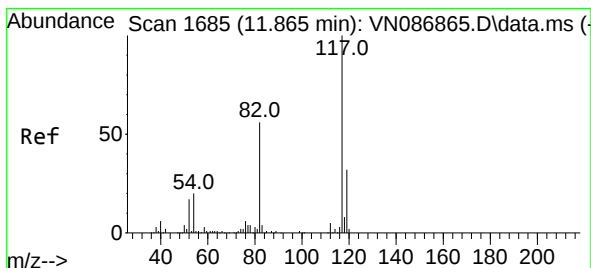
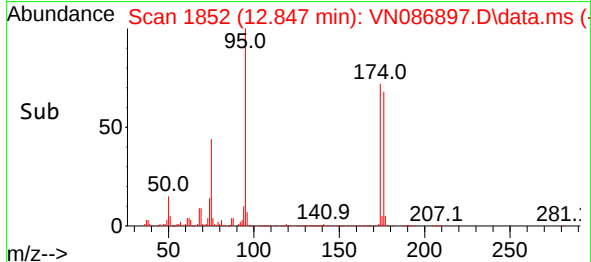
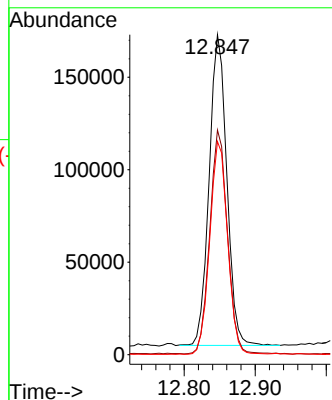
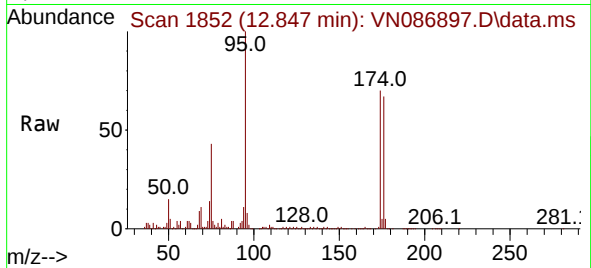




#62
4-Bromofluorobenzene
Concen: 48.936 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086897.D
Acq: 09 Jun 2025 12:16

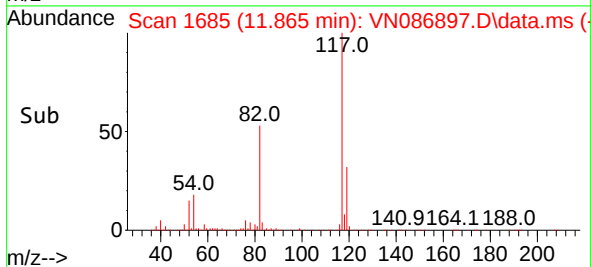
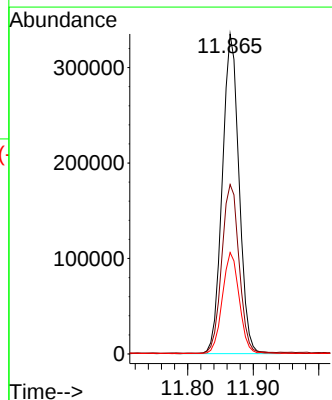
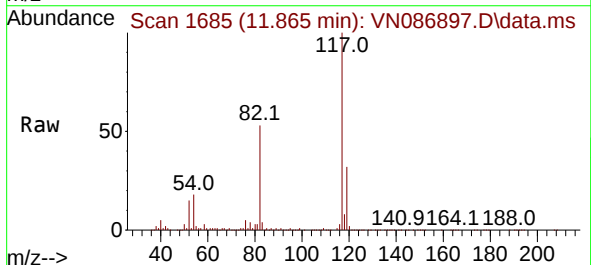
Instrument :
MSVOA_N
ClientSampleId :
WC-A4-05A-G

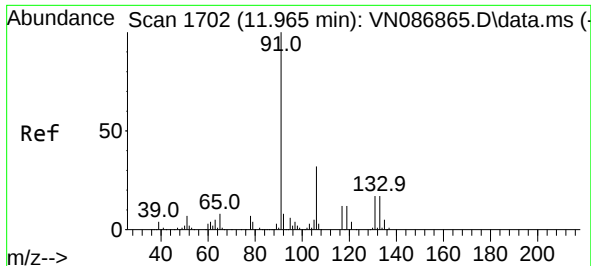
Tgt Ion: 95 Resp: 289823
Ion Ratio Lower Upper
95 100
174 72.8 0.0 141.8
176 69.1 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086897.D
Acq: 09 Jun 2025 12:16

Tgt Ion: 117 Resp: 590890
Ion Ratio Lower Upper
117 100
82 52.7 44.6 67.0
119 31.6 25.5 38.3

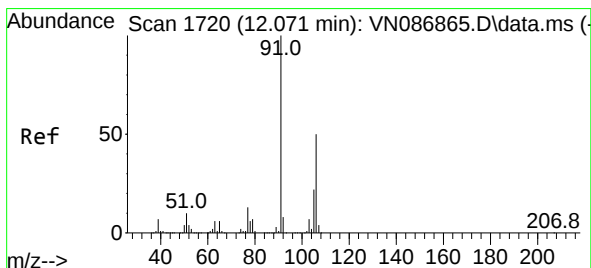
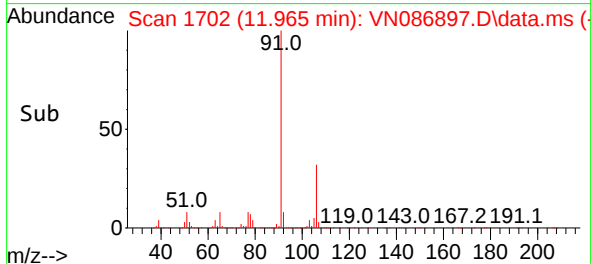
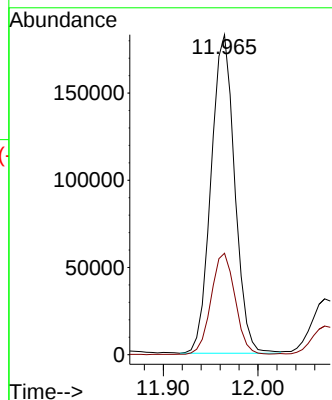
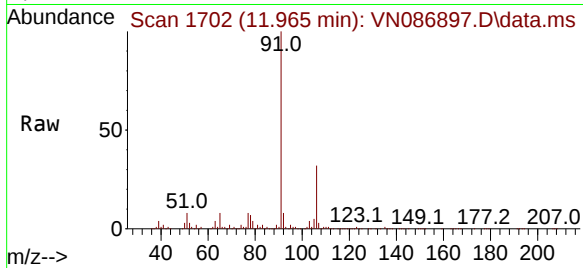




#67
Ethyl Benzene
Concen: 14.117 ug/l
RT: 11.965 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086897.D
Acq: 09 Jun 2025 12:16

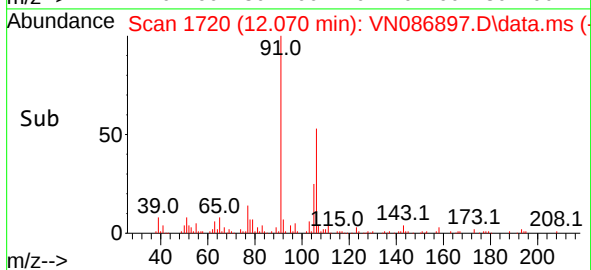
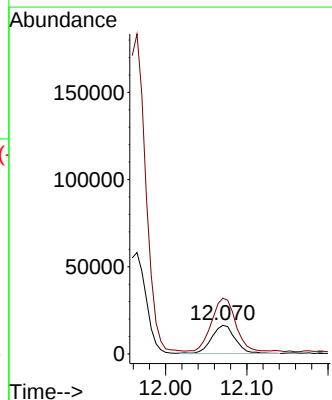
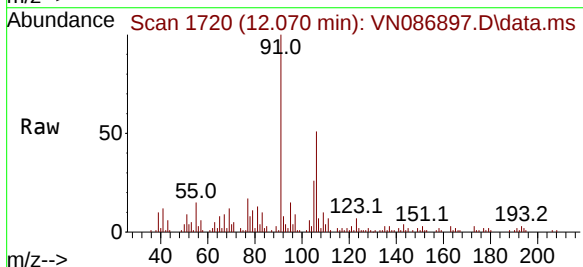
Instrument :
MSVOA_N
ClientSampleId :
WC-A4-05A-G

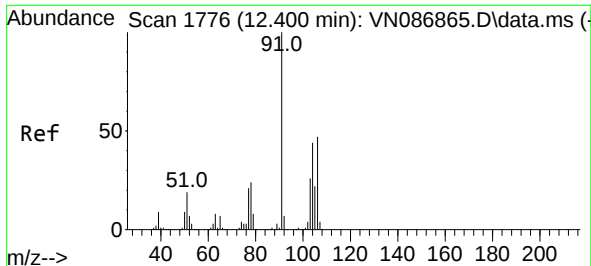
Tgt Ion: 91 Resp: 316904
Ion Ratio Lower Upper
91 100
106 31.7 25.4 38.2



#68
m/p-Xylenes
Concen: 3.782 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN086897.D
Acq: 09 Jun 2025 12:16

Tgt Ion:106 Resp: 32499
Ion Ratio Lower Upper
106 100
91 201.2 159.4 239.0

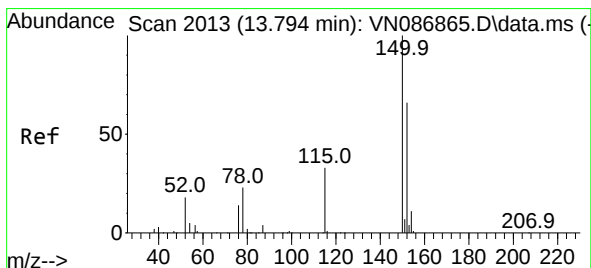
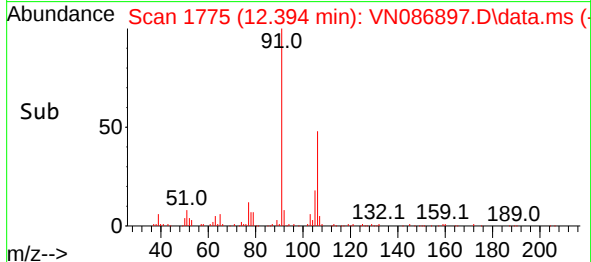
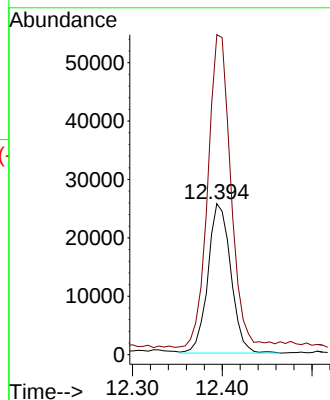
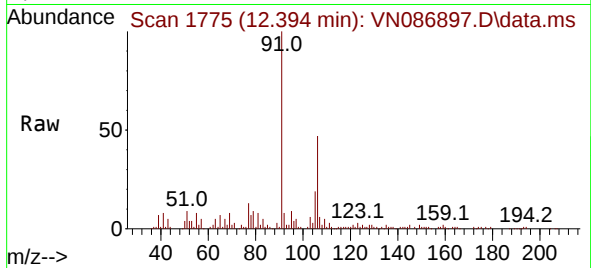




#69
o-Xylene
Concen: 5.511 ug/l
RT: 12.394 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN086897.D
Acq: 09 Jun 2025 12:16

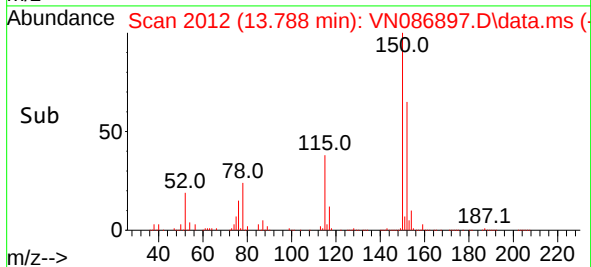
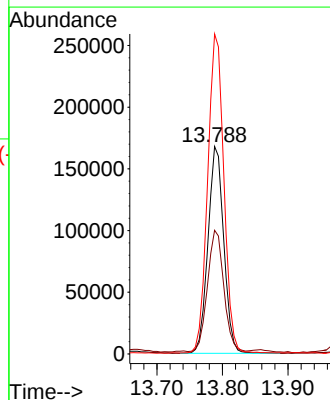
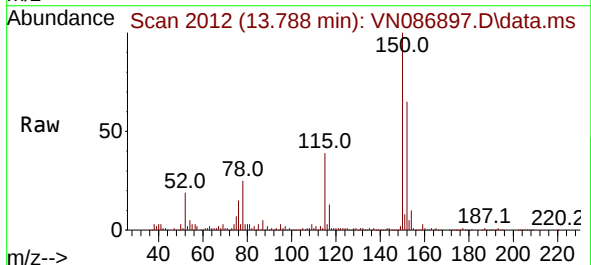
Instrument :
MSVOA_N
ClientSampleId :
WC-A4-05A-G

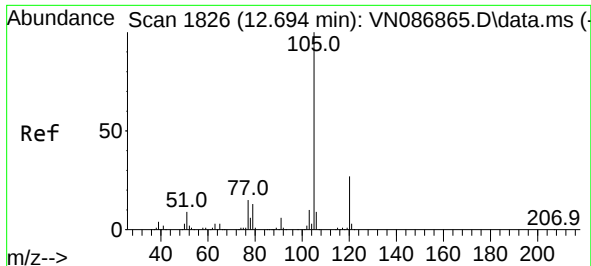
Tgt Ion:106 Resp: 45351
Ion Ratio Lower Upper
106 100
91 210.0 106.1 318.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN086897.D
Acq: 09 Jun 2025 12:16

Tgt Ion:152 Resp: 281341
Ion Ratio Lower Upper
152 100
115 60.9 30.1 90.5
150 157.8 0.0 345.0

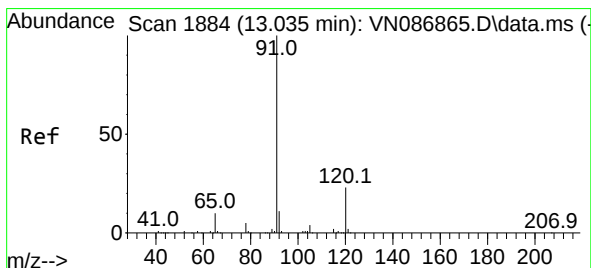
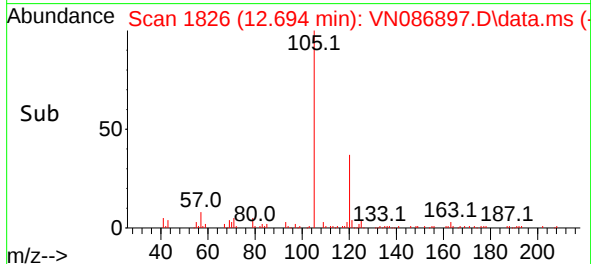
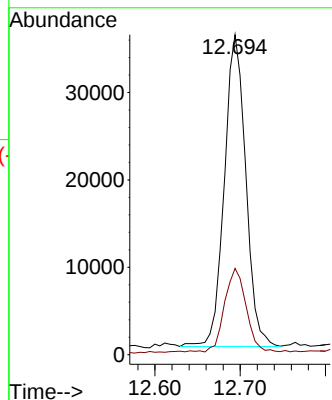
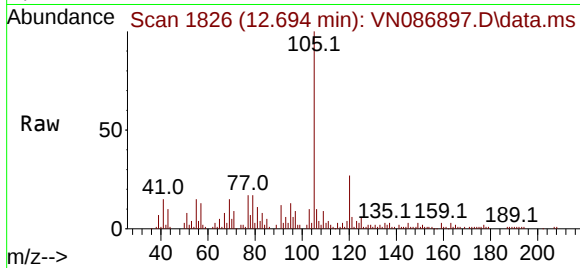




#73
Isopropylbenzene
Concen: 3.046 ug/l
RT: 12.694 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086897.D
Acq: 09 Jun 2025 12:16

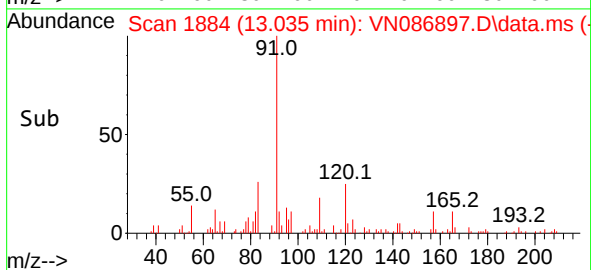
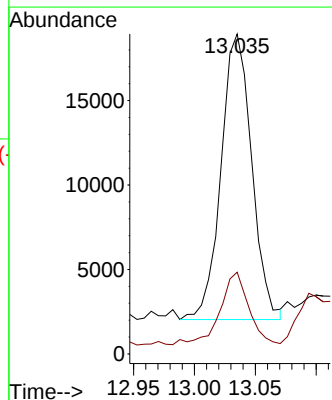
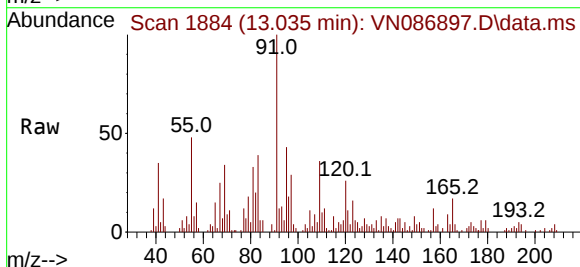
Instrument :
MSVOA_N
ClientSampleId :
WC-A4-05A-G

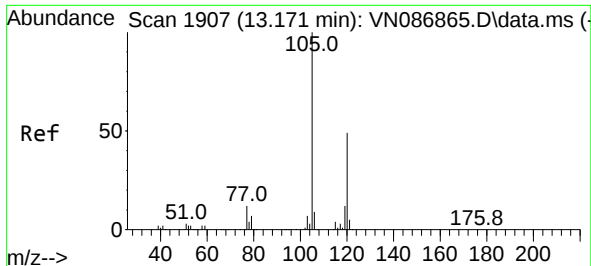
Tgt Ion:105 Resp: 62423
Ion Ratio Lower Upper
105 100
120 26.6 13.5 40.4



#78
n-propylbenzene
Concen: 1.190 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN086897.D
Acq: 09 Jun 2025 12:16

Tgt Ion: 91 Resp: 29648
Ion Ratio Lower Upper
91 100
120 25.8 11.4 34.2

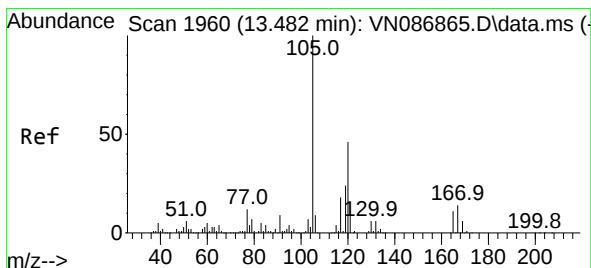
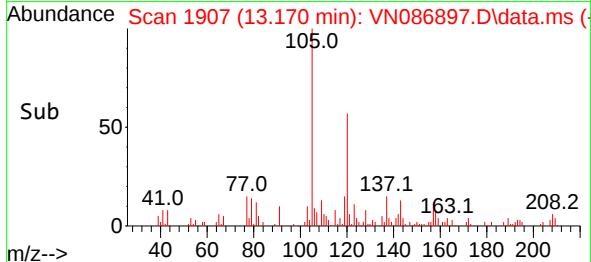
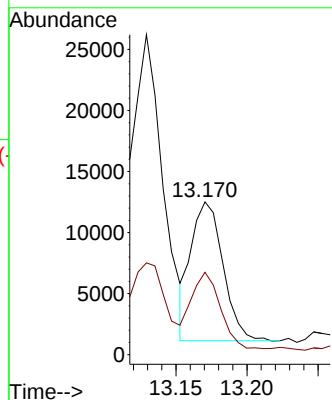
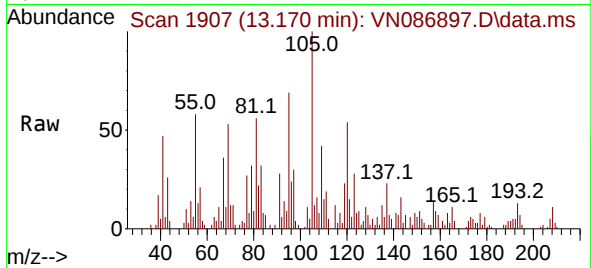




#80
1,3,5-Trimethylbenzene
Concen: 1.055 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086897.D
Acq: 09 Jun 2025 12:16

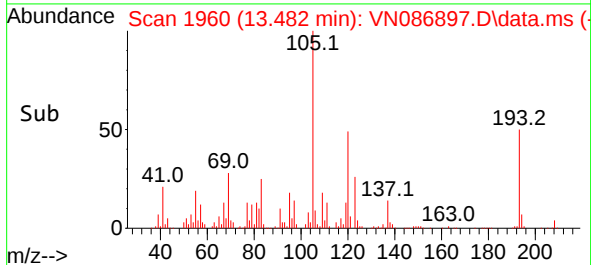
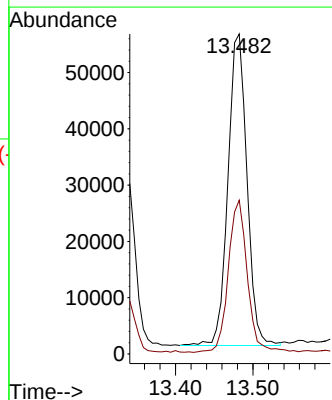
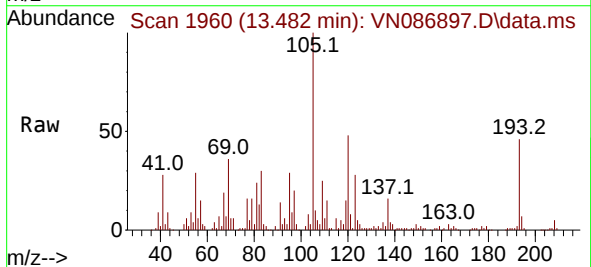
Instrument :
MSVOA_N
ClientSampleId :
WC-A4-05A-G

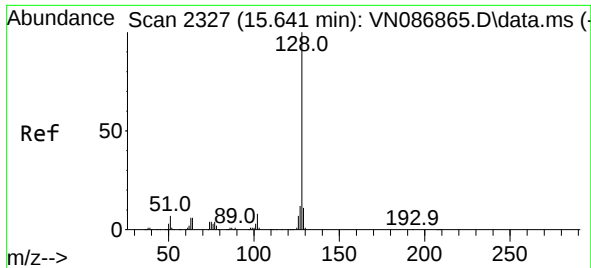
Tgt Ion:105 Resp: 17859
Ion Ratio Lower Upper
105 100
120 49.6 24.9 74.6



#84
1,2,4-Trimethylbenzene
Concen: 5.566 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN086897.D
Acq: 09 Jun 2025 12:16

Tgt Ion:105 Resp: 94451
Ion Ratio Lower Upper
105 100
120 48.7 23.2 69.6





#95

Naphthalene

Concen: 309.607 ug/l

RT: 15.635 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN086897.D

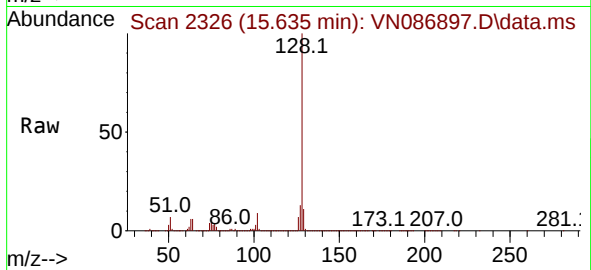
Acq: 09 Jun 2025 12:16

Instrument :

MSVOA_N

ClientSampleId :

WC-A4-05A-G



Tgt Ion:128 Resp: 6538308

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.2

129 11.0 8.8 13.2

