

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091825\
 Data File : VN087895.D
 Acq On : 18 Sep 2025 15:09
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 19 03:09:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 02:55:42 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	290258	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	616802	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	577566	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	292690	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	276974	46.573	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.140%
35) Dibromofluoromethane	8.153	113	220596	49.535	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.080%
50) Toluene-d8	10.547	98	766304	45.975	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.940%
62) 4-Bromofluorobenzene	12.829	95	286373	48.312	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	96.620%

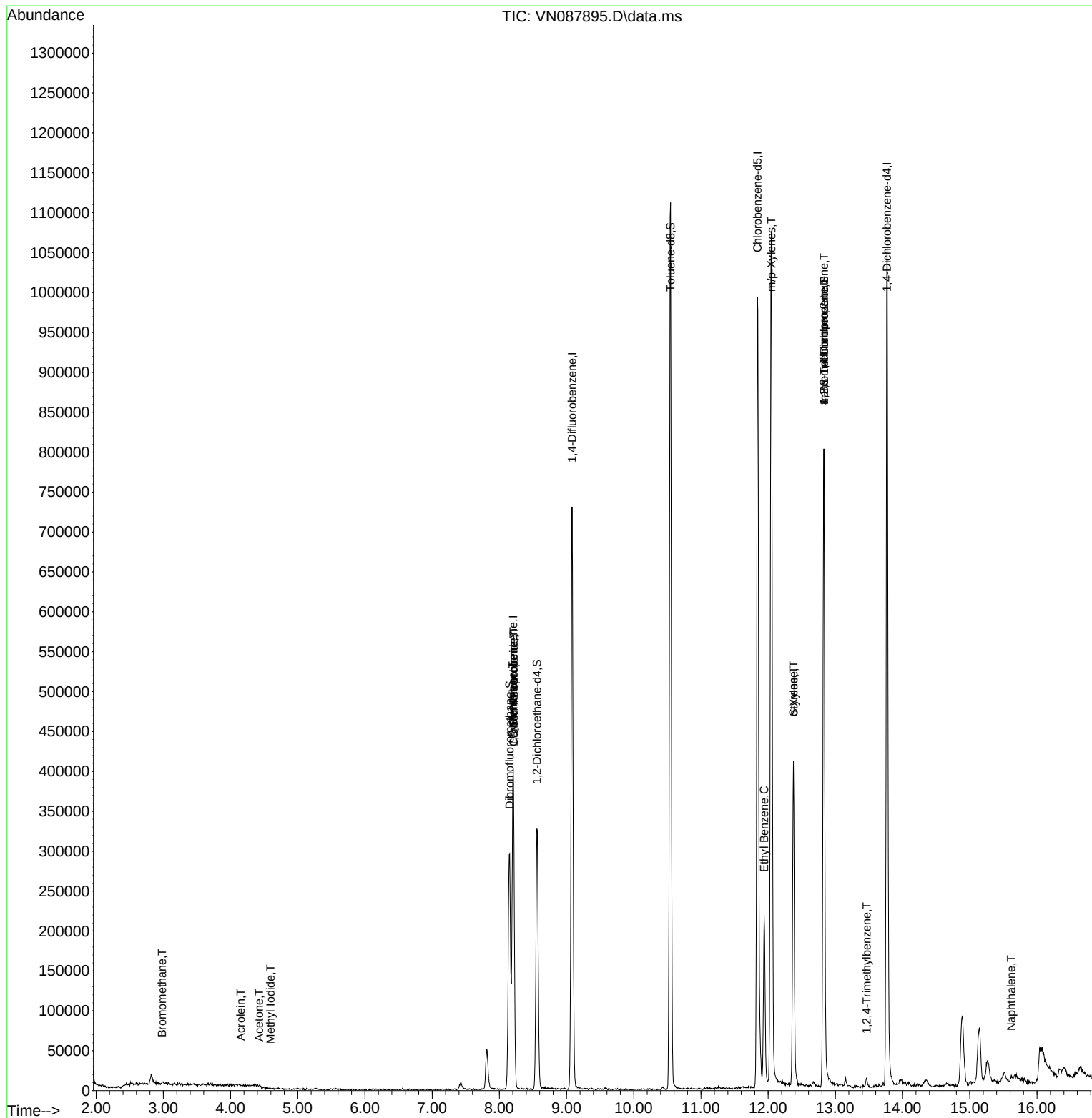
Target Compounds					Qvalue	
5) Bromomethane	2.983	94	1697	0.670	ug/l #	77
10) Methyl Iodide	4.595	142	1727	7.301	ug/l #	60
13) Acrolein	4.153	56	276	0.217	ug/l #	23
16) Acetone	4.424	43	1516	0.468	ug/l #	47
20) Methylene Chloride	5.265	84	1212	Below Cal	#	64
31) Cyclohexane	8.200	56	8357	1.117	ug/l #	37
36) 1,1-Dichloropropene	8.212	75	25175	3.685	ug/l #	44
38) Carbon Tetrachloride	8.212	117	32631	4.838	ug/l #	14
67) Ethyl Benzene	11.941	91	160486	6.451	ug/l	94
68) m/p-Xylenes	12.047	106	348553	38.201	ug/l	97
69) o-Xylene	12.376	106	117457	13.136	ug/l	95
70) Styrene	12.376	104	7933	0.530	ug/l #	1
76) 1,2,3-Trichloropropane	12.829	75	156752	22.838	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	156752	60.460	ug/l #	1
84) 1,2,4-Trimethylbenzene	13.465	105	7183	0.358	ug/l	94
95) Naphthalene	15.617	128	4989	0.225	ug/l #	93

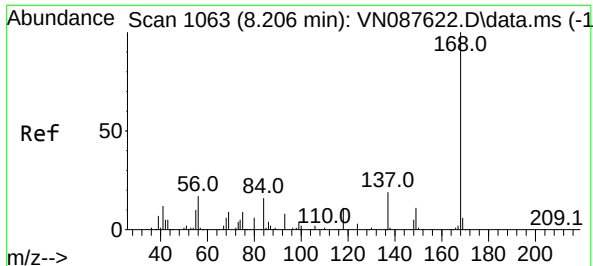
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
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Quant Time: Sep 19 03:09:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

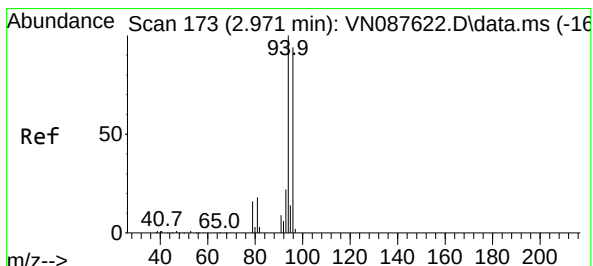
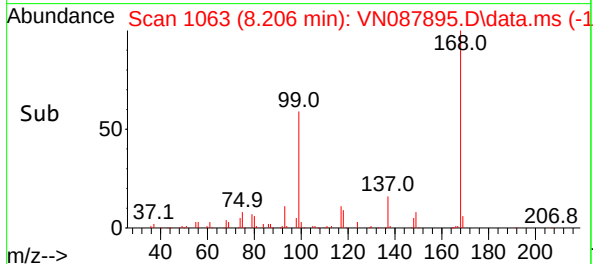
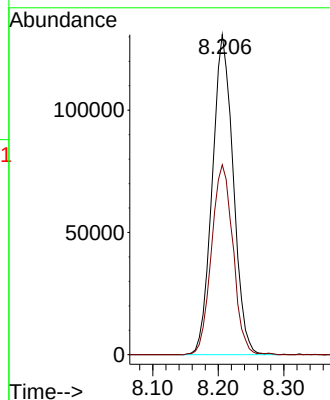
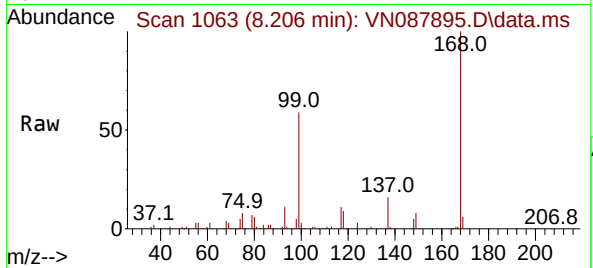




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN087895.D
Acq: 18 Sep 2025 15:09

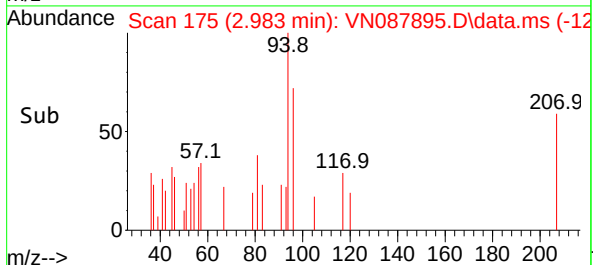
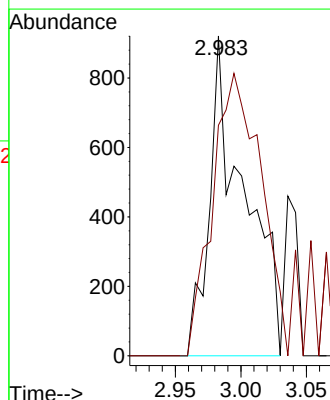
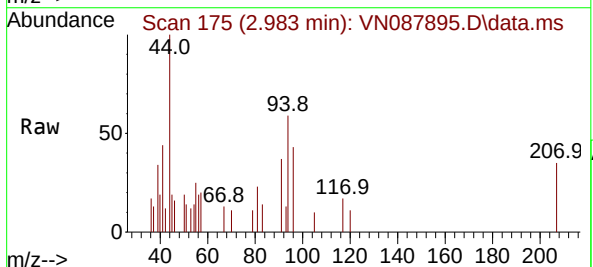
Instrument :
MSVOA_N
ClientSampleId :

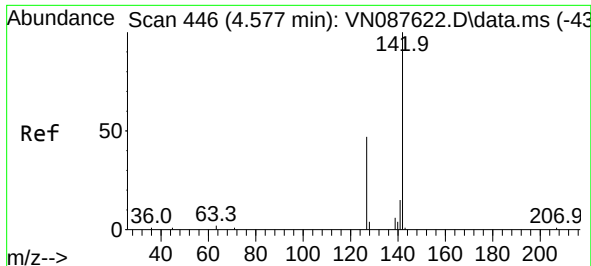
Tgt Ion:168 Resp: 290258
Ion Ratio Lower Upper
168 100
99 59.3 57.2 85.8



#5
Bromomethane
Concen: 0.670 ug/l
RT: 2.983 min Scan# 175
Delta R.T. 0.012 min
Lab File: VN087895.D
Acq: 18 Sep 2025 15:09

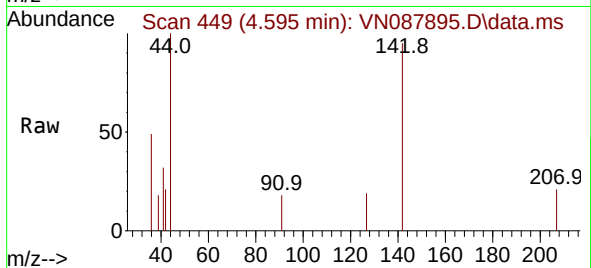
Tgt Ion: 94 Resp: 1697
Ion Ratio Lower Upper
94 100
96 72.1 75.4 113.2#



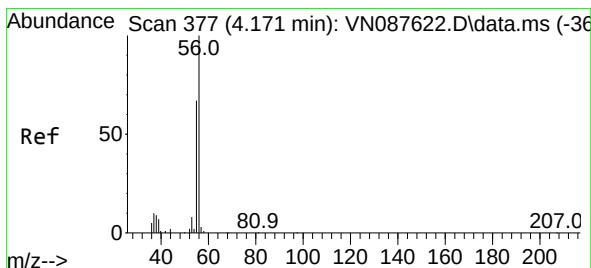
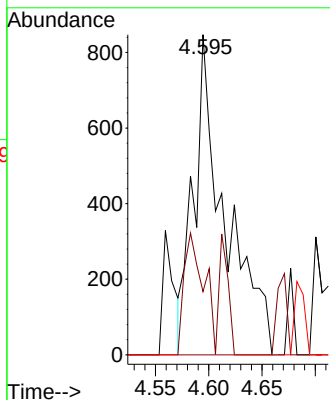
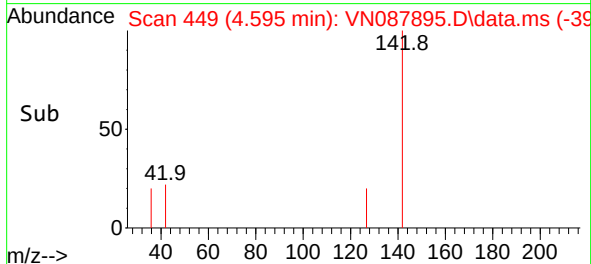


#10
Methyl Iodide
Concen: 7.301 ug/l
RT: 4.595 min Scan# 446
Delta R.T. 0.018 min
Lab File: VN087895.D
Acq: 18 Sep 2025 15:09

Instrument :
MSVOA_N
ClientSampleId :

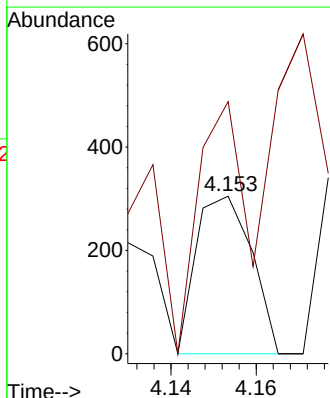
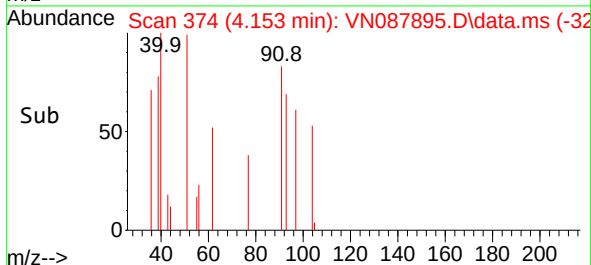
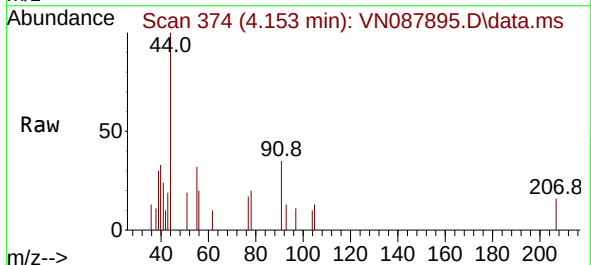


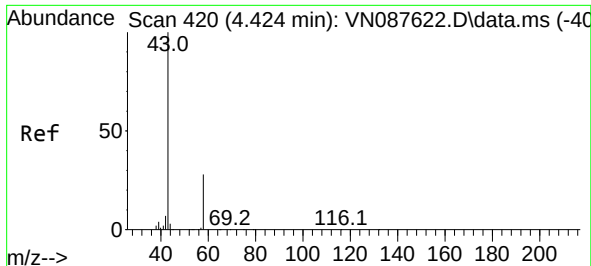
Tgt Ion:142 Resp: 1727
Ion Ratio Lower Upper
142 100
127 19.7 38.0 57.0#
141 0.0 12.0 18.0#



#13
Acrolein
Concen: 0.217 ug/l
RT: 4.153 min Scan# 374
Delta R.T. -0.018 min
Lab File: VN087895.D
Acq: 18 Sep 2025 15:09

Tgt Ion: 56 Resp: 276
Ion Ratio Lower Upper
56 100
55 135.1 57.3 85.9#

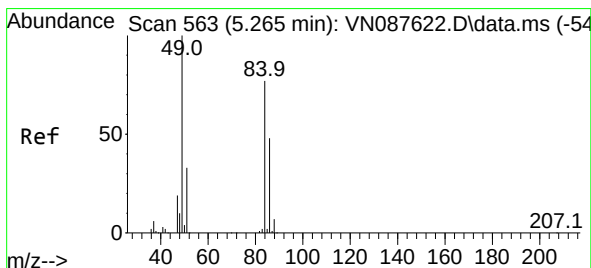
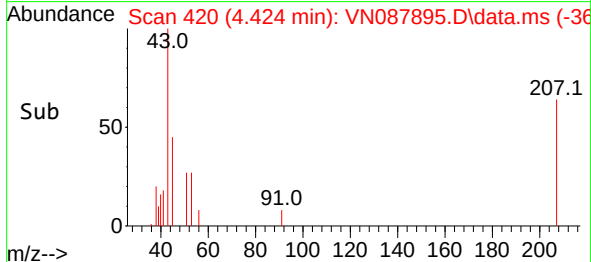
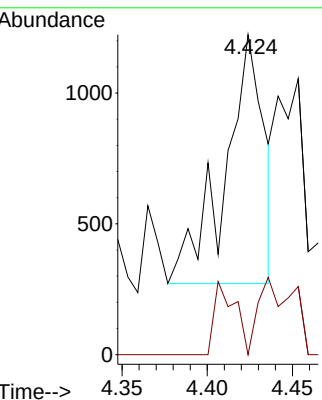
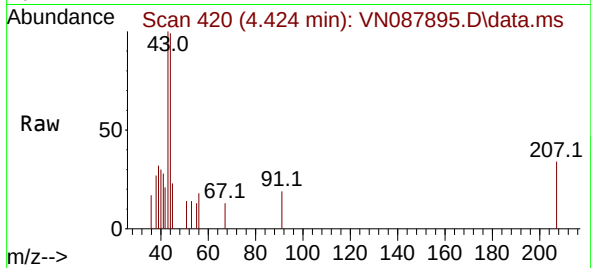




#16
Acetone
Concen: 0.468 ug/l
RT: 4.424 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN087895.D
Acq: 18 Sep 2025 15:09

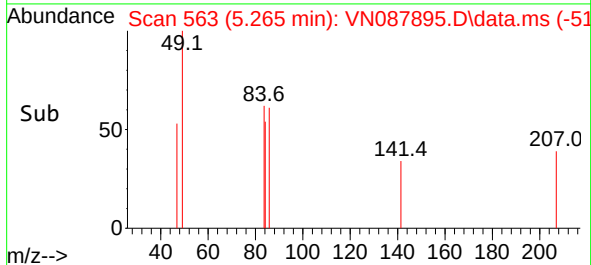
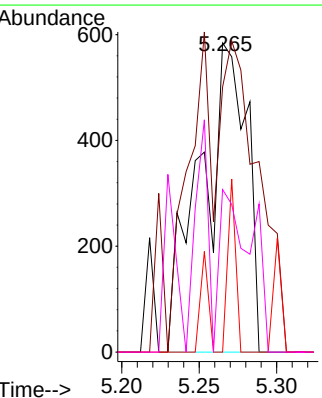
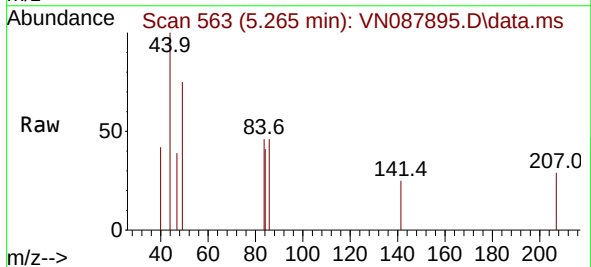
Instrument :
MSVOA_N
ClientSampleId :

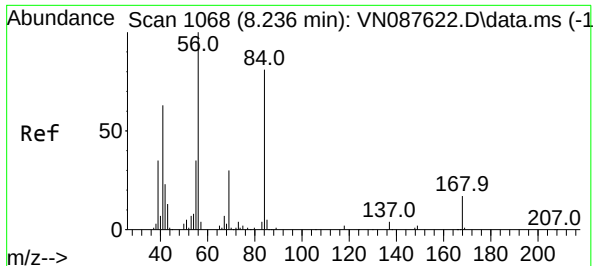
Tgt Ion: 43 Resp: 1516
Ion Ratio Lower Upper
43 100
58 0.0 22.6 33.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.265 min Scan# 563
Delta R.T. 0.000 min
Lab File: VN087895.D
Acq: 18 Sep 2025 15:09

Tgt Ion: 84 Resp: 1212
Ion Ratio Lower Upper
84 100
49 85.8 103.4 155.2#
51 0.0 33.8 50.8#
86 52.6 49.6 74.4

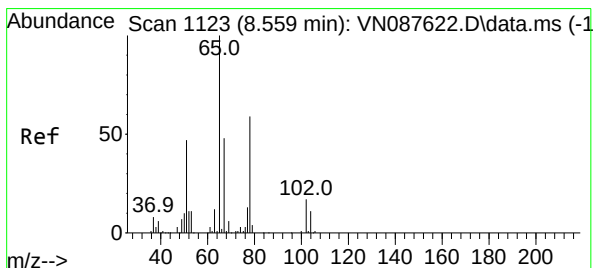
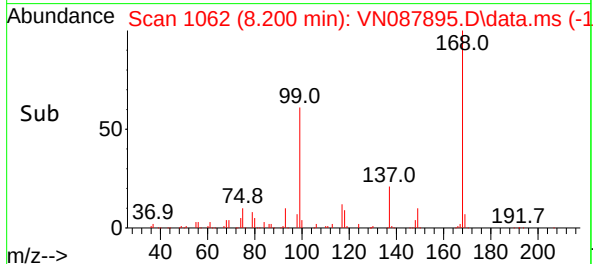
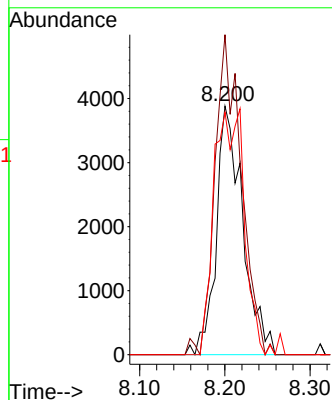
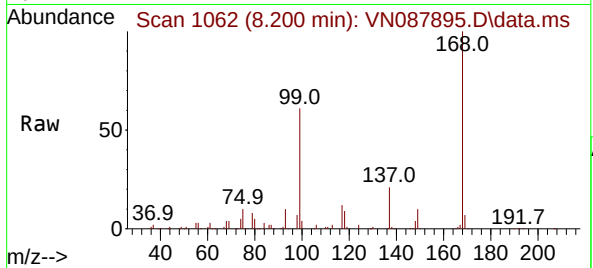




#31
Cyclohexane
Concen: 1.117 ug/l
RT: 8.200 min Scan# 1068
Delta R.T. -0.035 min
Lab File: VN087895.D
Acq: 18 Sep 2025 15:09

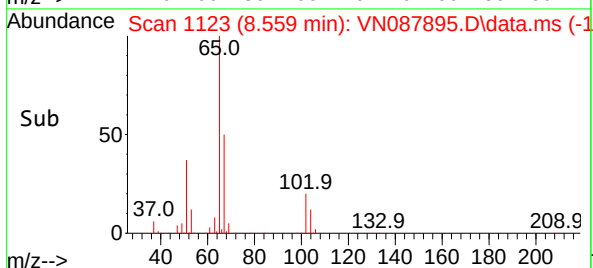
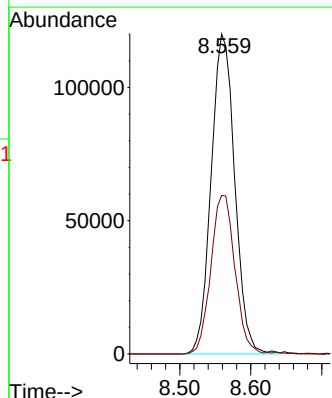
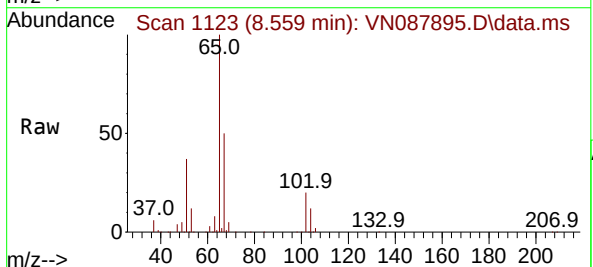
Instrument :
MSVOA_N
ClientSampleId :

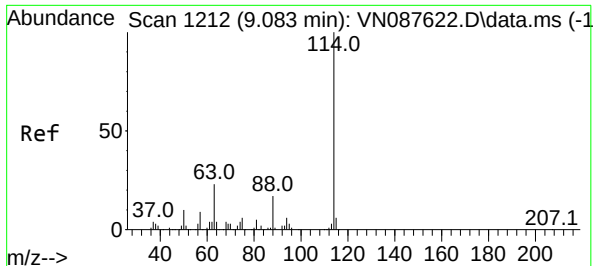
Tgt Ion: 56 Resp: 8357
Ion Ratio Lower Upper
56 100
69 128.7 23.7 35.5#
84 97.5 64.7 97.1#



#33
1,2-Dichloroethane-d4
Concen: 46.573 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN087895.D
Acq: 18 Sep 2025 15:09

Tgt Ion: 65 Resp: 276974
Ion Ratio Lower Upper
65 100
67 50.6 0.0 100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN087895.D

Acq: 18 Sep 2025 15:09

Instrument :

MSVOA_N

ClientSampleId :

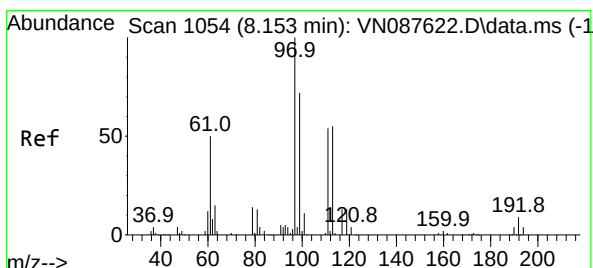
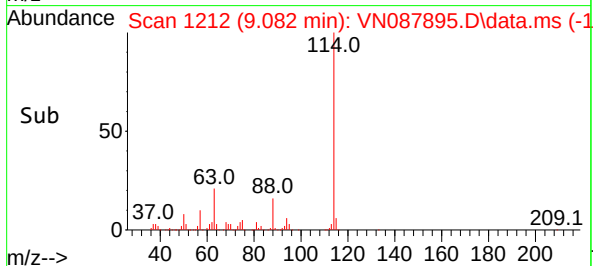
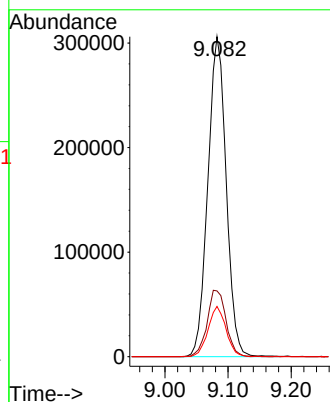
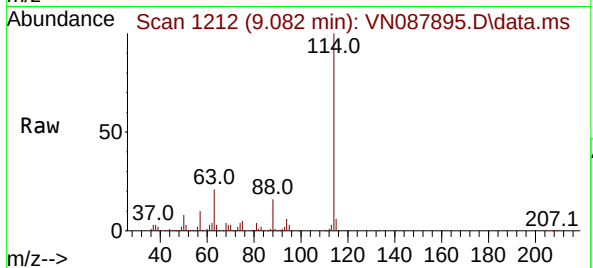
Tgt Ion:114 Resp: 616802

Ion Ratio Lower Upper

114 100

63 20.5 0.0 45.2

88 15.7 0.0 33.4



#35

Dibromofluoromethane

Concen: 49.535 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. -0.000 min

Lab File: VN087895.D

Acq: 18 Sep 2025 15:09

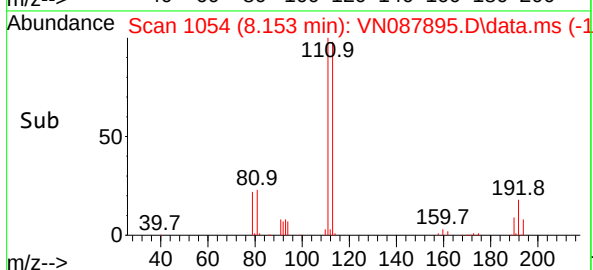
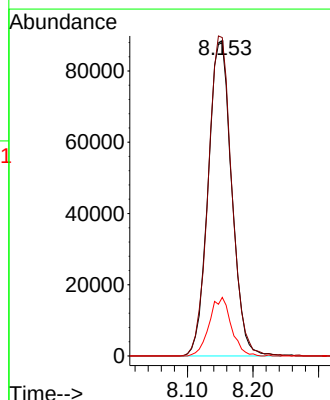
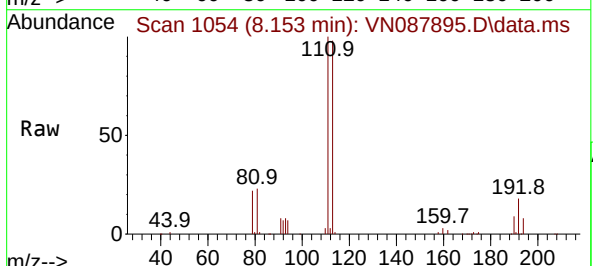
Tgt Ion:113 Resp: 220596

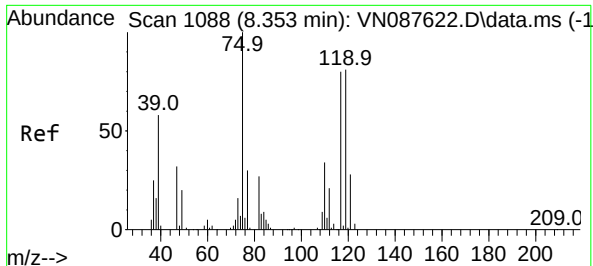
Ion Ratio Lower Upper

113 100

111 101.5 82.8 124.2

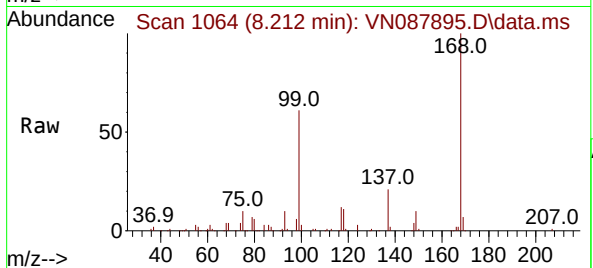
192 17.4 12.8 19.2



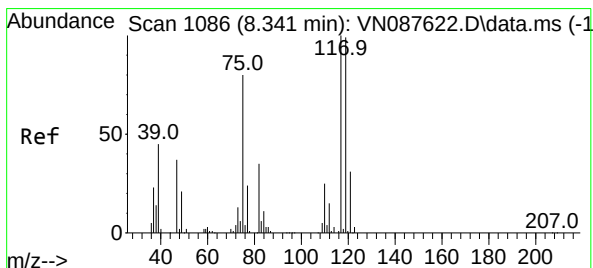
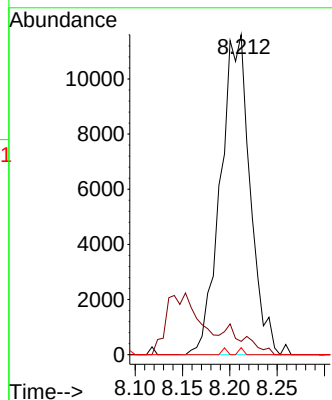
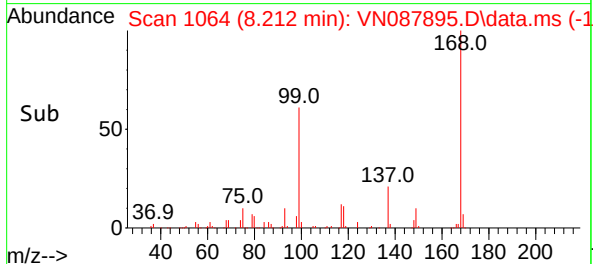


#36
1,1-Dichloropropene
Concen: 3.685 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.141 min
Lab File: VN087895.D
Acq: 18 Sep 2025 15:09

Instrument :
MSVOA_N
ClientSampleId :

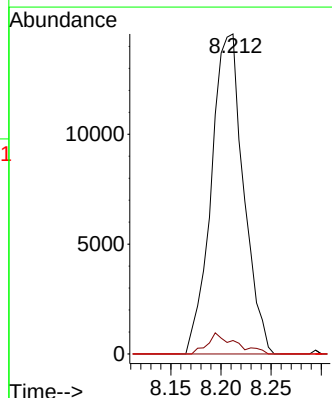
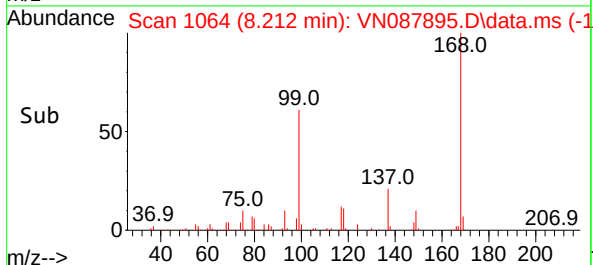
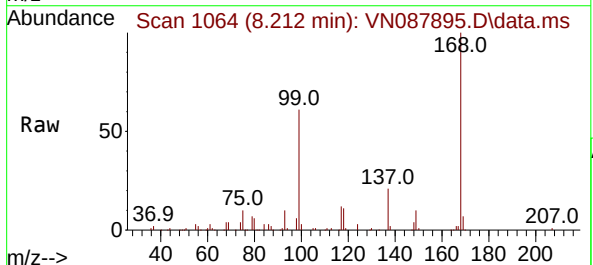


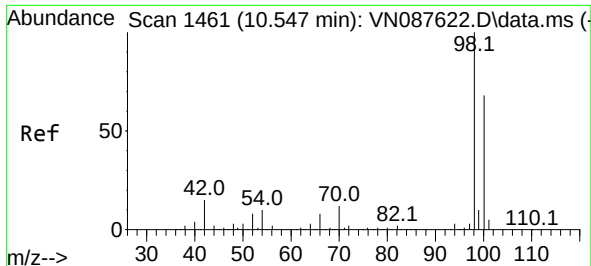
Tgt Ion: 75 Resp: 25175
Ion Ratio Lower Upper
75 100
110 0.0 15.9 47.6#
77 0.4 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 4.838 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.129 min
Lab File: VN087895.D
Acq: 18 Sep 2025 15:09

Tgt Ion: 117 Resp: 32631
Ion Ratio Lower Upper
117 100
119 4.2 79.0 118.6#
121 0.0 25.0 37.6#

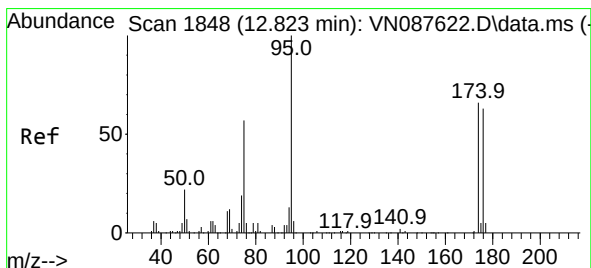
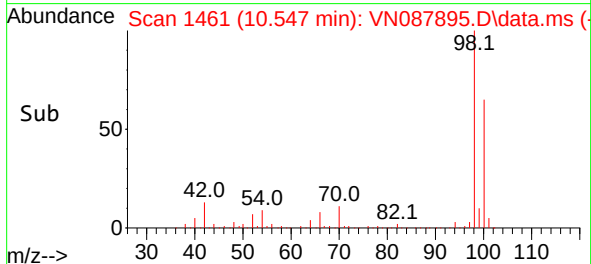
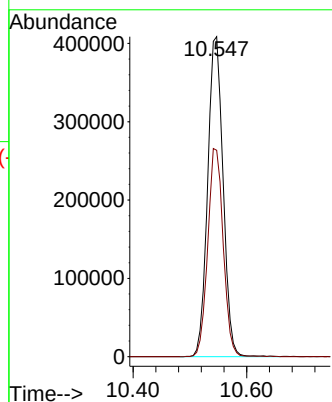
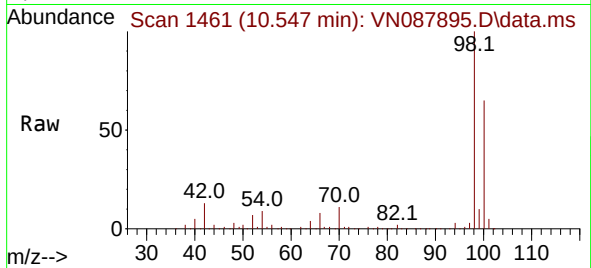




#50
Toluene-d8
Concen: 45.975 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087895.D
Acq: 18 Sep 2025 15:09

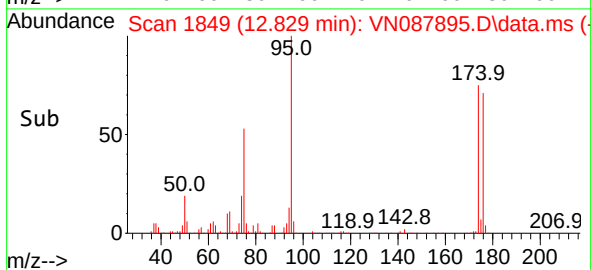
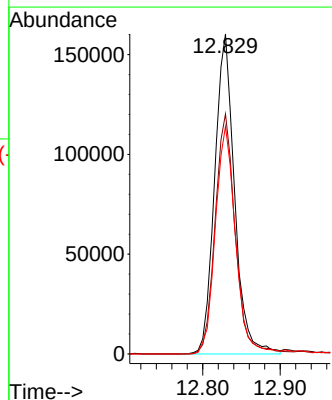
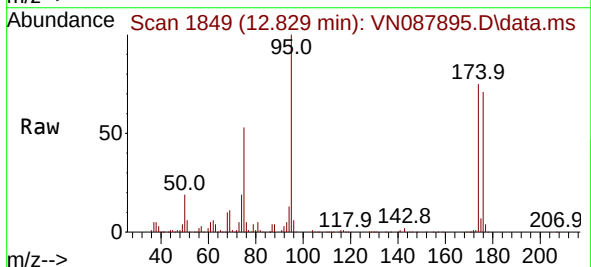
Instrument :
MSVOA_N
ClientSampleId :

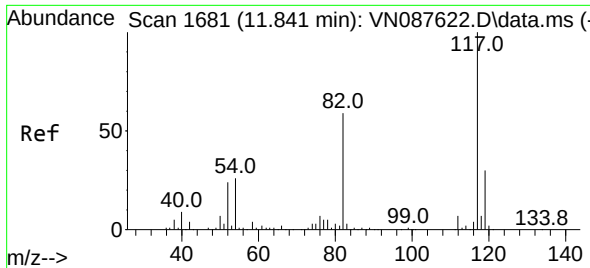
Tgt Ion: 98 Resp: 766304
Ion Ratio Lower Upper
98 100
100 65.2 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 48.312 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087895.D
Acq: 18 Sep 2025 15:09

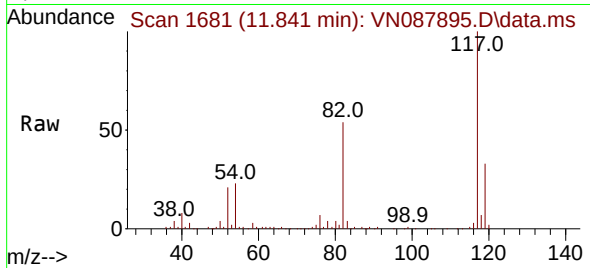
Tgt Ion: 95 Resp: 286373
Ion Ratio Lower Upper
95 100
174 76.1 0.0 138.4
176 72.1 0.0 132.6



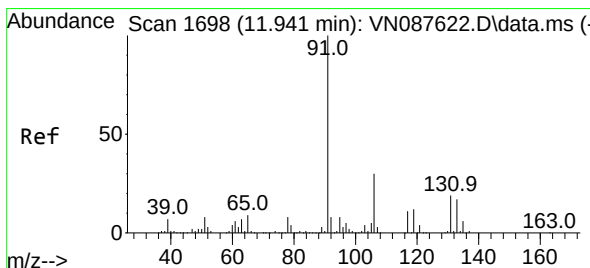
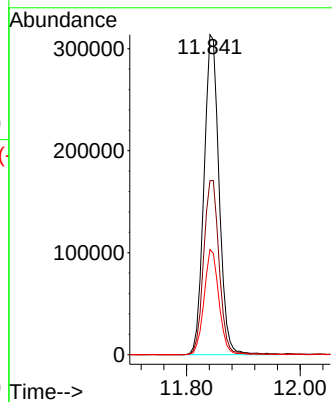
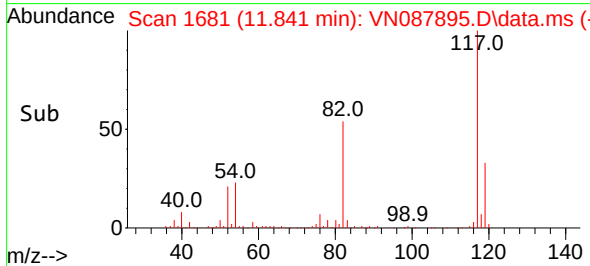


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1177
Delta R.T. -0.000 min
Lab File: VN087895.D
Acq: 18 Sep 2025 15:09

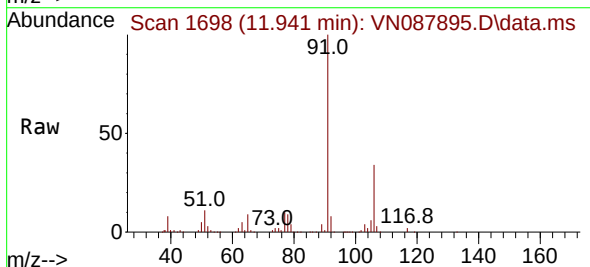
Instrument :
MSVOA_N
ClientSampleId :



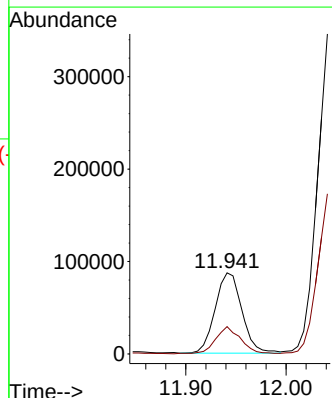
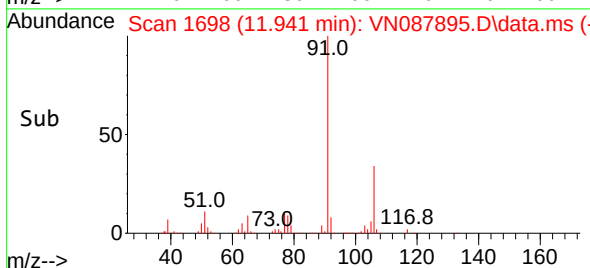
Tgt Ion:117 Resp: 577566
Ion Ratio Lower Upper
117 100
82 54.4 47.4 71.2
119 32.8 24.3 36.5

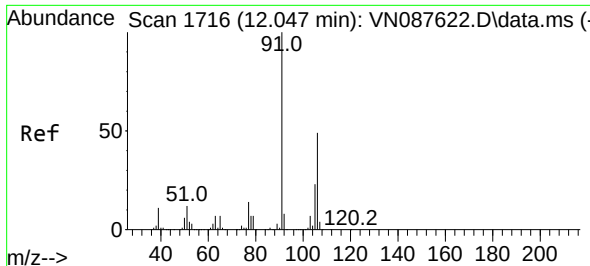


#67
Ethyl Benzene
Concen: 6.451 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VN087895.D
Acq: 18 Sep 2025 15:09



Tgt Ion: 91 Resp: 160486
Ion Ratio Lower Upper
91 100
106 33.2 24.1 36.1

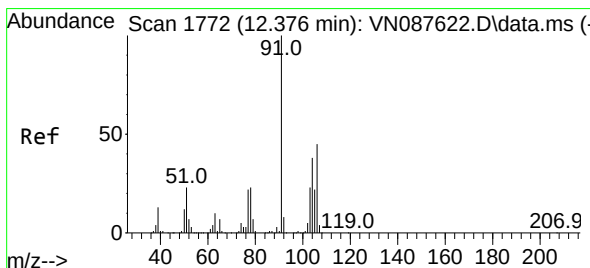
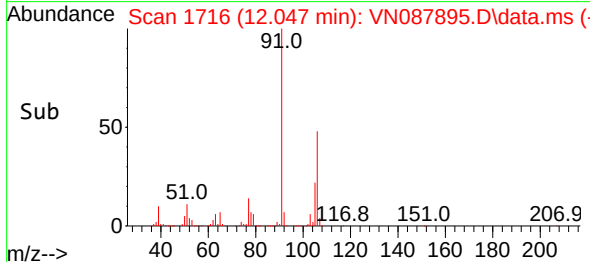
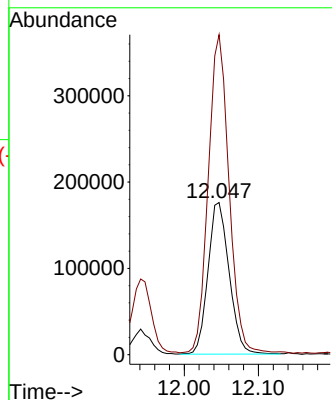
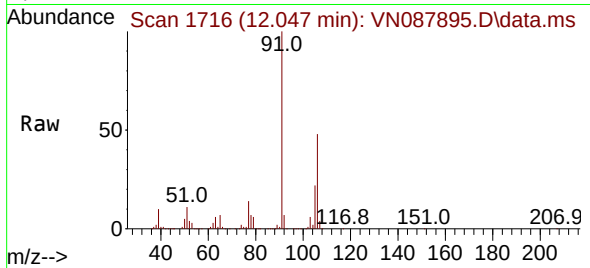




#68
m/p-Xylenes
Concen: 38.201 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VN087895.D
Acq: 18 Sep 2025 15:09

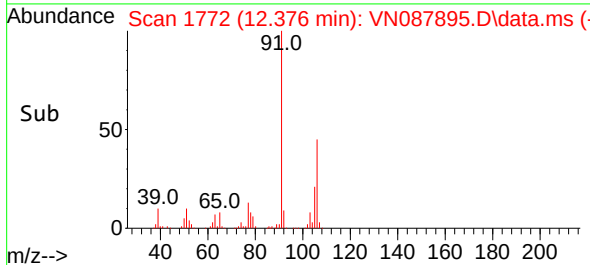
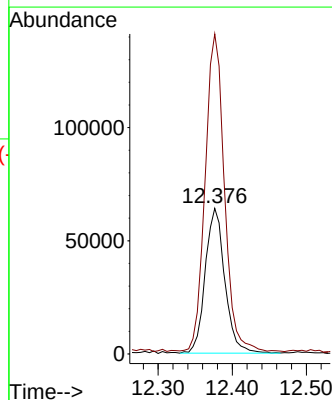
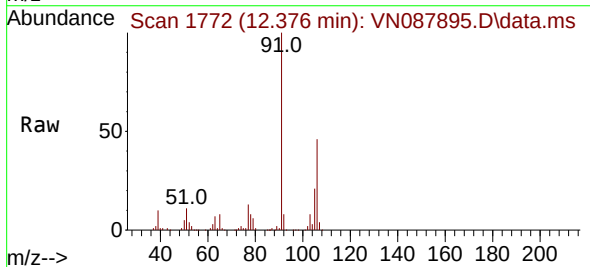
Instrument :
MSVOA_N
ClientSampleId :

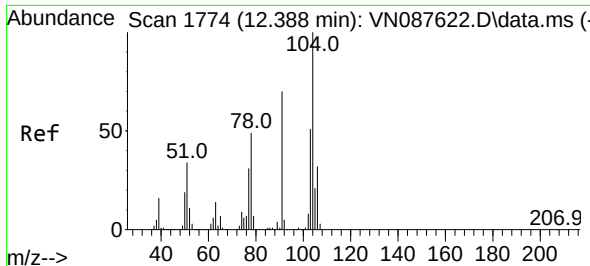
Tgt Ion:106 Resp: 348553
Ion Ratio Lower Upper
106 100
91 206.7 169.3 253.9



#69
o-Xylene
Concen: 13.136 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VN087895.D
Acq: 18 Sep 2025 15:09

Tgt Ion:106 Resp: 117457
Ion Ratio Lower Upper
106 100
91 215.4 111.4 334.2

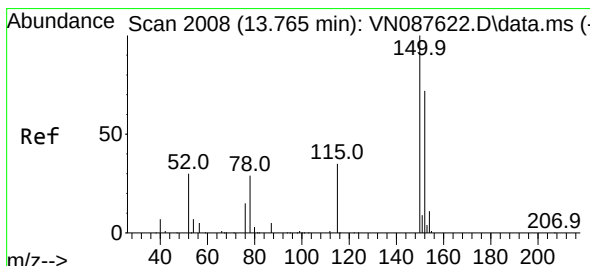
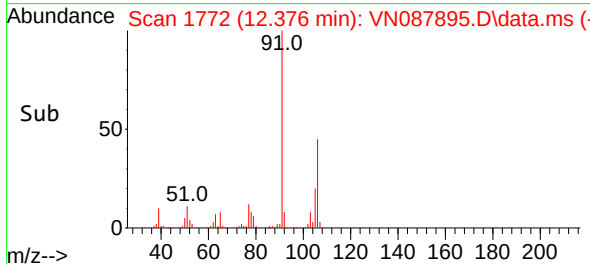
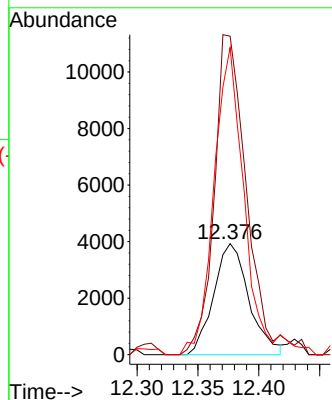
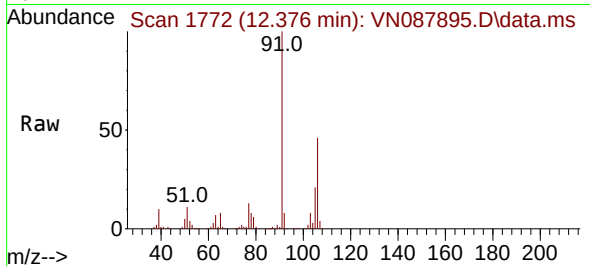




#70
Styrene
Concen: 0.530 ug/l
RT: 12.376 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN087895.D
Acq: 18 Sep 2025 15:09

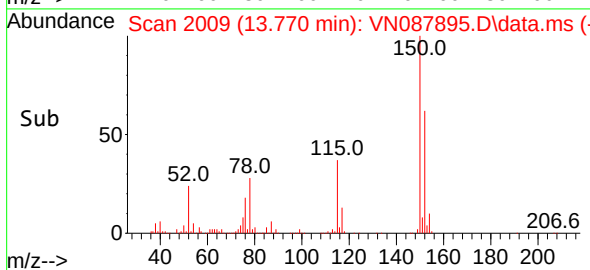
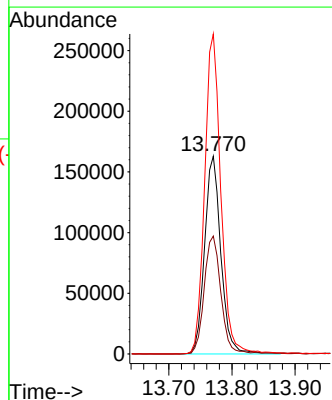
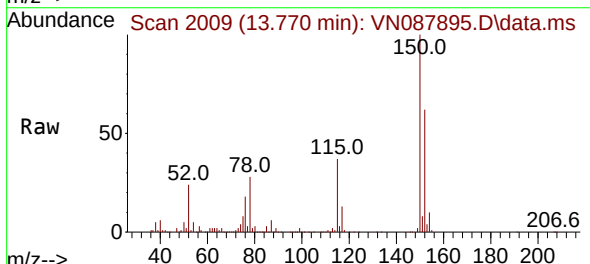
Instrument :
MSVOA_N
ClientSampleId :

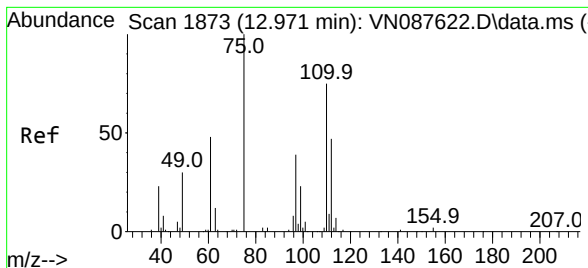
Tgt Ion:104 Resp: 7933
Ion Ratio Lower Upper
104 100
78 265.5 42.2 63.2#
103 239.1 43.4 65.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN087895.D
Acq: 18 Sep 2025 15:09

Tgt Ion:152 Resp: 292690
Ion Ratio Lower Upper
152 100
115 61.4 32.3 96.8
150 160.8 0.0 351.0

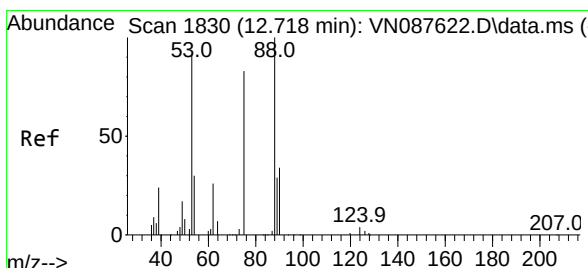
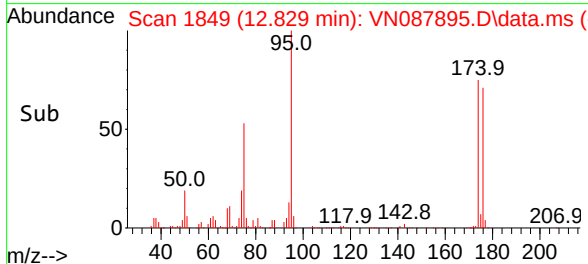
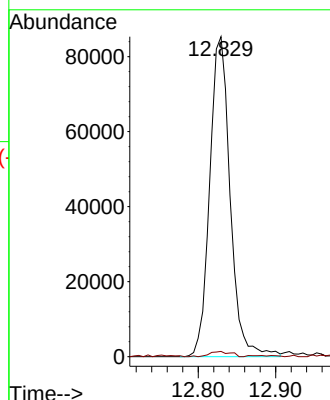
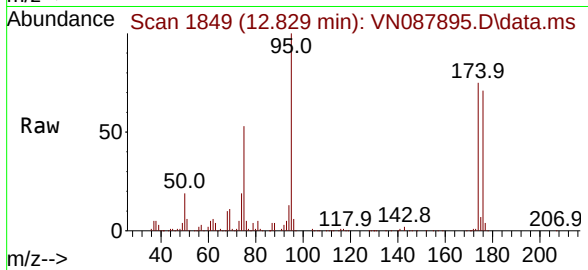




#76
1,2,3-Trichloropropane
Concen: 22.838 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN087895.D
Acq: 18 Sep 2025 15:09

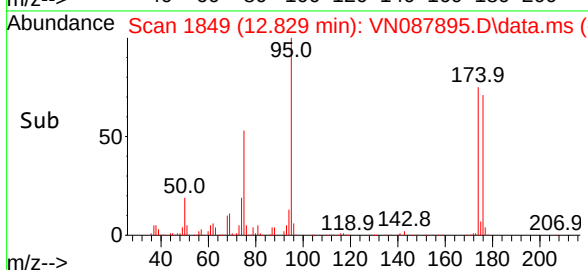
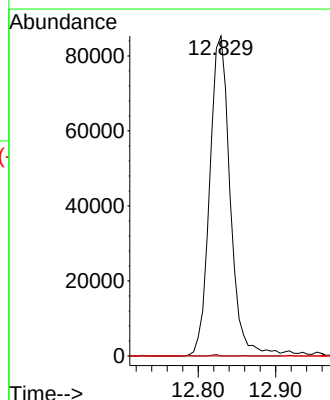
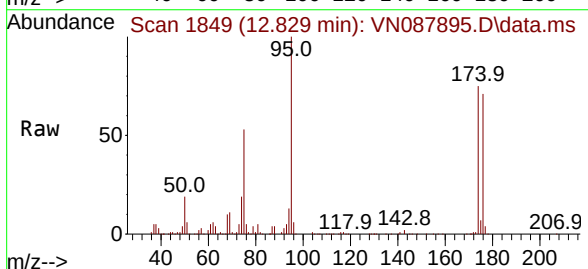
Instrument :
MSVOA_N
ClientSampleId :

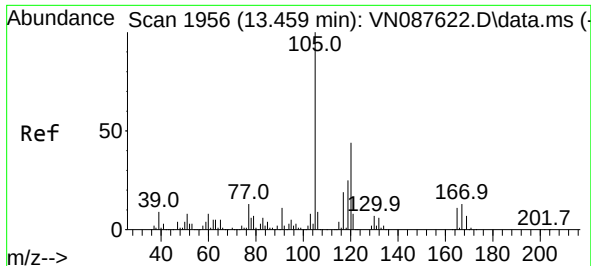
Tgt Ion: 75 Resp: 156752
Ion Ratio Lower Upper
75 100
77 1.7 89.1 267.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.460 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN087895.D
Acq: 18 Sep 2025 15:09

Tgt Ion: 75 Resp: 156752
Ion Ratio Lower Upper
75 100
53 0.1 101.8 152.6#
89 0.0 35.6 53.4#

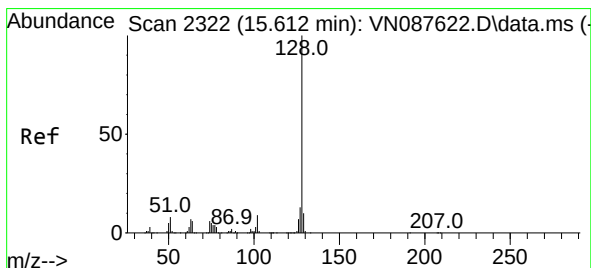
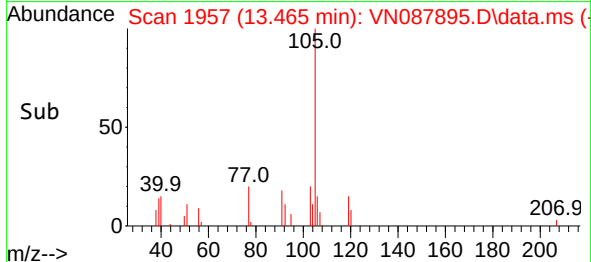
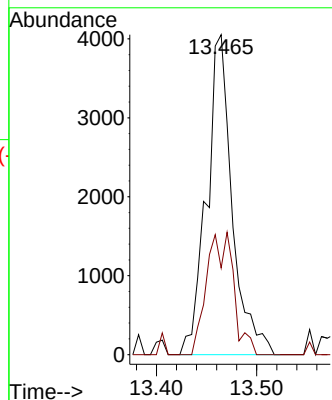
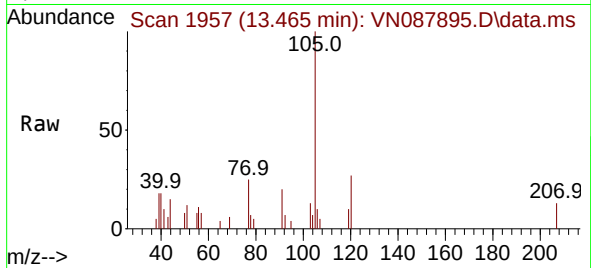




#84
1,2,4-Trimethylbenzene
Concen: 0.358 ug/l
RT: 13.465 min Scan# 1956
Delta R.T. 0.006 min
Lab File: VN087895.D
Acq: 18 Sep 2025 15:09

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:105 Resp: 7183
Ion Ratio Lower Upper
105 100
120 40.1 22.0 66.0



#95
Naphthalene
Concen: 0.225 ug/l
RT: 15.617 min Scan# 2323
Delta R.T. 0.006 min
Lab File: VN087895.D
Acq: 18 Sep 2025 15:09

Tgt Ion:128 Resp: 4989
Ion Ratio Lower Upper
128 100
127 9.0 10.6 15.8#
129 9.3 8.6 12.8

