

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091825\
 Data File : VN087894.D
 Acq On : 18 Sep 2025 14:48
 Operator : JC\MD
 Sample : Q3122-02
 Misc : 2.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 19 03:08:56 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	193331	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	394217	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	353129	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	232077	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	168652	42.577	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	85.160%
35) Dibromofluoromethane	8.153	113	141567	49.738	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.480%
50) Toluene-d8	10.547	98	489245	45.926	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.860%
62) 4-Bromofluorobenzene	12.829	95	215610	56.911	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	113.820%

Target Compounds				Qvalue		
3) Chloromethane	2.377	50	1195	0.423	ug/l	91
5) Bromomethane	2.971	94	799	0.473	ug/l #	6
10) Methyl Iodide	4.559	142	12031	11.937	ug/l	97
11) Tert butyl alcohol	5.477	59	22937	33.355	ug/l #	71
13) Acrolein	4.165	56	388	0.459	ug/l #	1
16) Acetone	4.442	43	292292	135.552	ug/l	97
17) Carbon Disulfide	4.665	76	2342	0.305	ug/l #	74
18) Methyl Acetate	5.018	43	9136	2.024	ug/l #	62
25) 2-Butanone	7.465	43	855	0.301	ug/l #	50
29) Tetrahydrofuran	7.836	42	214255	117.355	ug/l #	83
31) Cyclohexane	8.200	56	5835	1.171	ug/l #	43
36) 1,1-Dichloropropene	8.200	75	17679	4.049	ug/l #	51
38) Carbon Tetrachloride	8.200	117	21062	4.885	ug/l #	13
40) Benzene	8.583	78	5040	0.376	ug/l #	81
41) Methacrylonitrile	7.836	41	97137	31.428	ug/l #	43
48) Methyl methacrylate	9.677	41	1670	0.379	ug/l #	53
49) 1,4-Dioxane	9.718	88	54	0.946	ug/l #	13
51) 4-Methyl-2-Pentanone	10.435	43	1449421	257.882	ug/l	98
52) Toluene	10.612	92	139154	16.760	ug/l	97
53) t-1,3-Dichloropropene	10.606	75	2158	0.405	ug/l #	1
55) 1,1,2-Trichloroethane	10.977	97	1906	0.593	ug/l #	34
65) Chlorobenzene	11.906	112	31553	3.592	ug/l #	44
66) 1,1,1,2-Tetrachloroethane	11.912	131	78153	26.796	ug/l #	56
70) Styrene	12.388	104	4808931	525.049	ug/l #	1
73) Isopropylbenzene	12.676	105	1180378	62.942	ug/l	99
74) N-amyl acetate	12.459	43	472693	66.512	ug/l #	54
75) 1,1,2,2-Tetrachloroethane	12.894	83	2397	0.371	ug/l #	83
76) 1,2,3-Trichloropropane	13.076	75	14607	2.684	ug/l #	1
78) n-propylbenzene	13.018	91	411555	17.817	ug/l	97
79) 2-Chlorotoluene	13.076	91	209460	15.068	ug/l #	42
80) 1,3,5-Trimethylbenzene	13.153	105	904283	56.841	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.671	75	16959	8.250	ug/l #	77
82) 4-Chlorotoluene	13.153	91	106477	7.285	ug/l #	44
83) tert-Butylbenzene	13.459	119	299495	22.591	ug/l #	69
84) 1,2,4-Trimethylbenzene	13.459	105	2371598	148.917	ug/l	98
85) sec-Butylbenzene	13.594	105	82250	4.181	ug/l #	59

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 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)

86) p-Isopropyltoluene	13.706	119	79071	4.867	ug/l	96
87) 1,3-Dichlorobenzene	13.712	146	1757	0.202	ug/l #	1
88) 1,4-Dichlorobenzene	13.794	146	2272	0.251	ug/l #	1
89) n-Butylbenzene	14.035	91	69948	4.335	ug/l #	79
90) Hexachloroethane	14.306	117	44528	14.387	ug/l #	22
92) 1,2-Dibromo-3-Chloropr...	14.712	75	2352	1.533	ug/l #	9
93) 1,2,4-Trichlorobenzene	15.365	180	2572	0.518	ug/l #	81
94) Hexachlorobutadiene	15.476	225	1860	1.052	ug/l	79
95) Naphthalene	15.612	128	610398	34.740	ug/l	99
96) 1,2,3-Trichlorobenzene	15.812	180	3278	0.676	ug/l	92

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

Instrument :

MSVOA N

ClientSampleId :

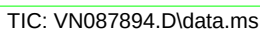
Quant Time: Sep 19 03:08:56 2025

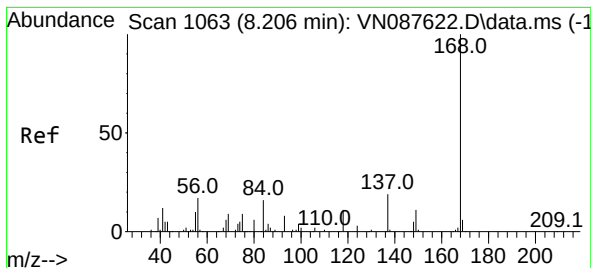
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M

Quant Title : SW846 8260

QLast Update : Fri Aug 22 02:55:42 2025

Response via : Initial Calibration

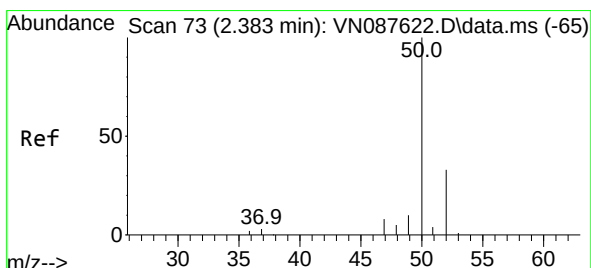
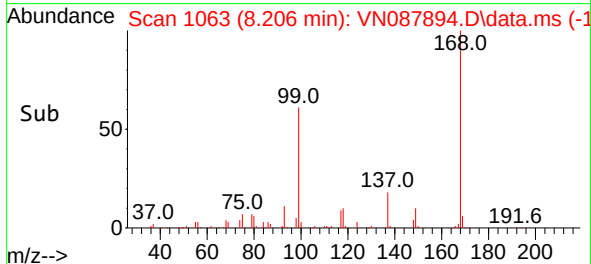
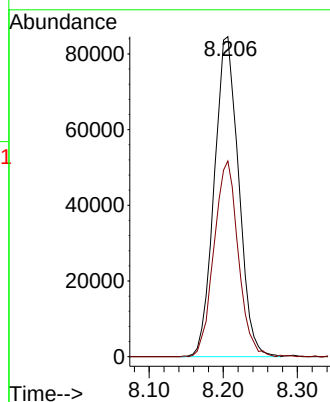
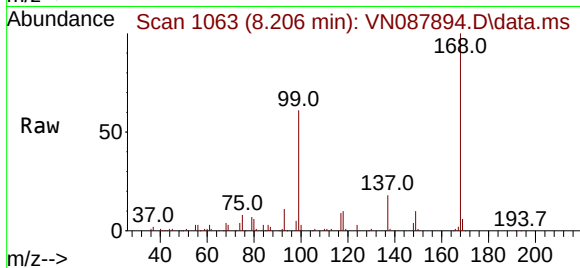




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087894.D
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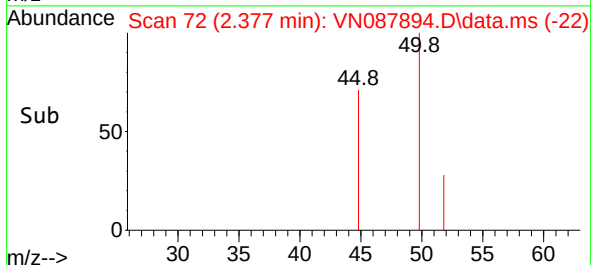
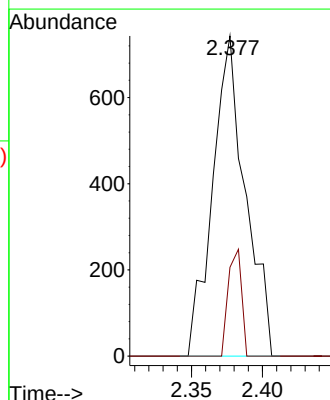
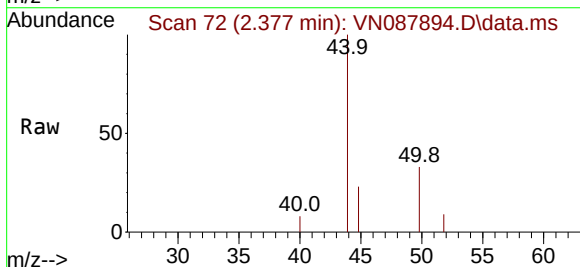
Instrument :
MSVOA_N
ClientSampleId :

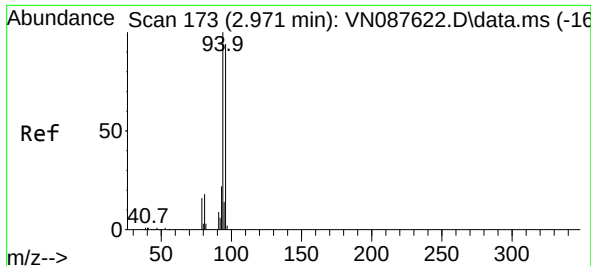
Tgt Ion:168 Resp: 193331
Ion Ratio Lower Upper
168 100
99 61.2 57.2 85.8



#3
Chloromethane
Concen: 0.423 ug/l
RT: 2.377 min Scan# 72
Delta R.T. -0.006 min
Lab File: VN087894.D
Acq: 18 Sep 2025 14:48

Tgt Ion: 50 Resp: 1195
Ion Ratio Lower Upper
50 100
52 27.7 26.2 39.4

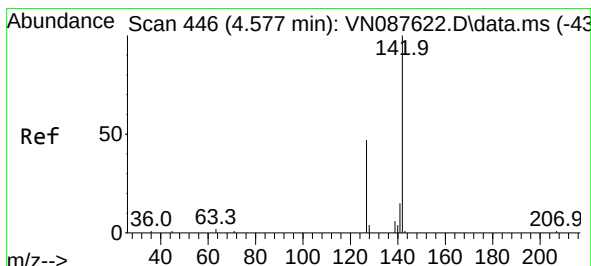
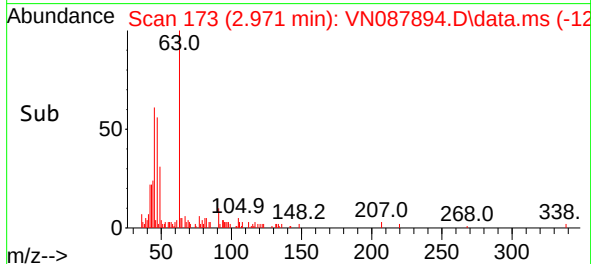
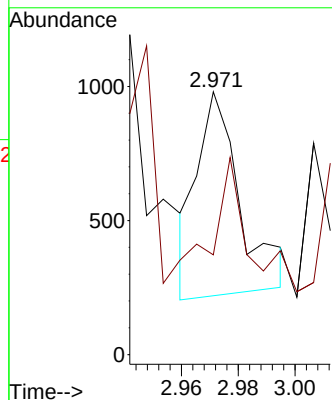
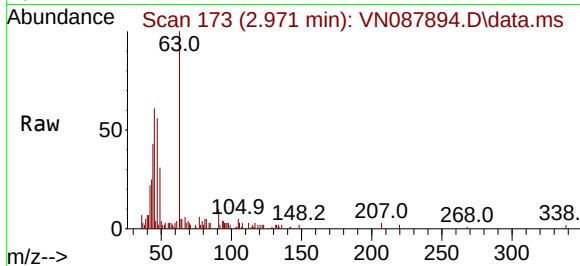




#5
Bromomethane
Concen: 0.473 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087894.D
Acq: 18 Sep 2025 14:48

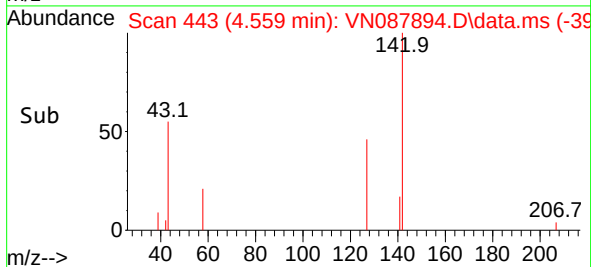
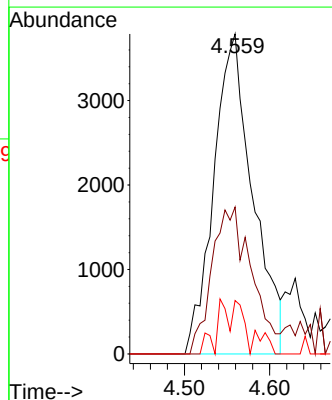
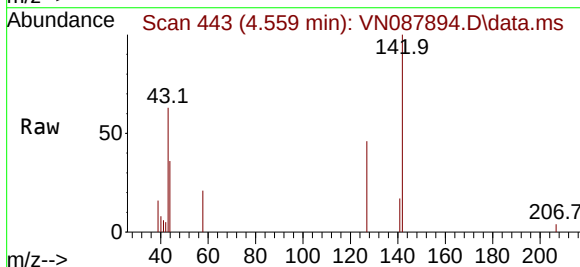
Instrument :
MSVOA_N
ClientSampleId :

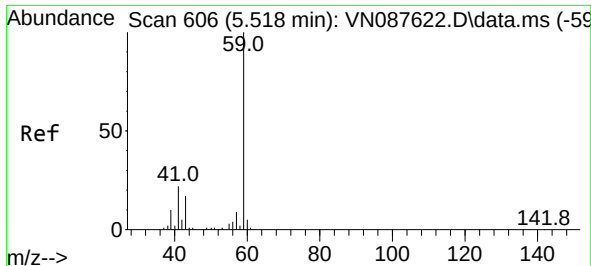
Tgt Ion: 94 Resp: 799
Ion Ratio Lower Upper
94 100
96 3.5 75.4 113.2#



#10
Methyl Iodide
Concen: 11.937 ug/l
RT: 4.559 min Scan# 443
Delta R.T. -0.018 min
Lab File: VN087894.D
Acq: 18 Sep 2025 14:48

Tgt Ion: 142 Resp: 12031
Ion Ratio Lower Upper
142 100
127 45.9 38.0 57.0
141 16.7 12.0 18.0

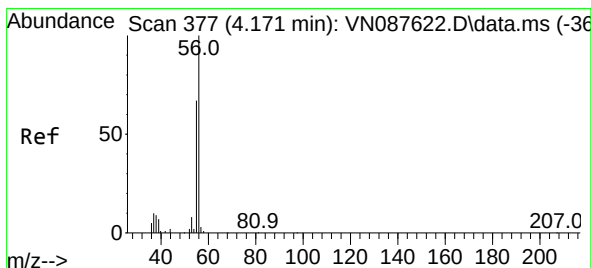
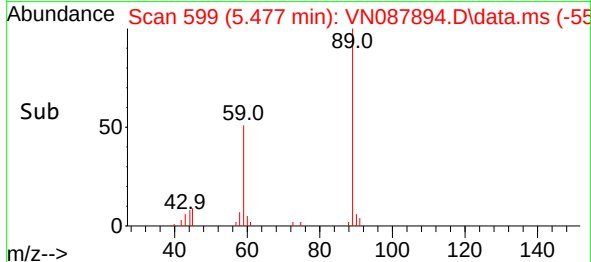
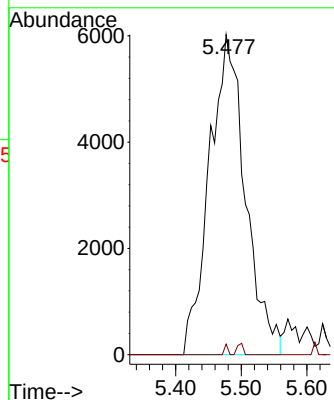
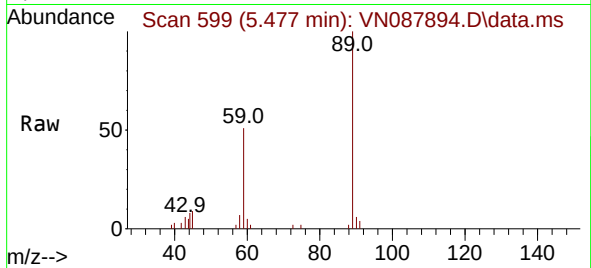




#11
Tert butyl alcohol
Concen: 33.355 ug/l
RT: 5.477 min Scan# 59
Delta R.T. -0.041 min
Lab File: VN087894.D
Acq: 18 Sep 2025 14:48

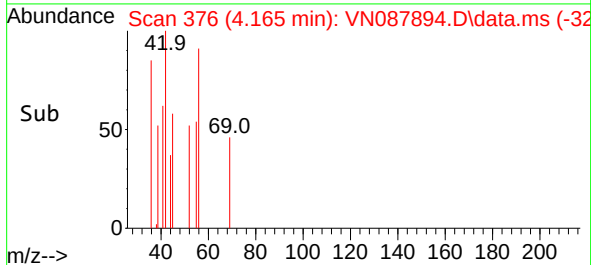
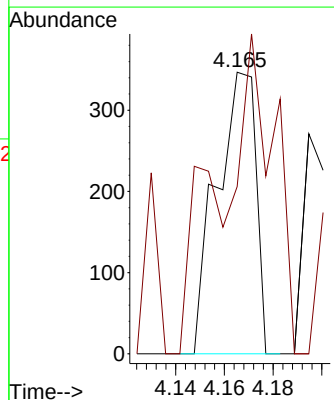
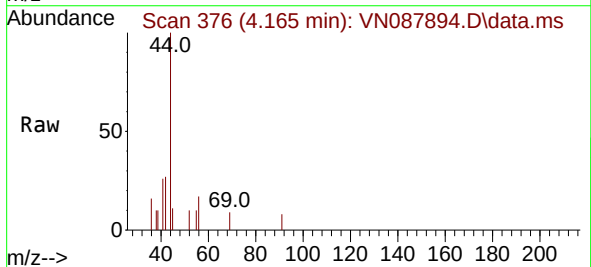
Instrument :
MSVOA_N
ClientSampleId :

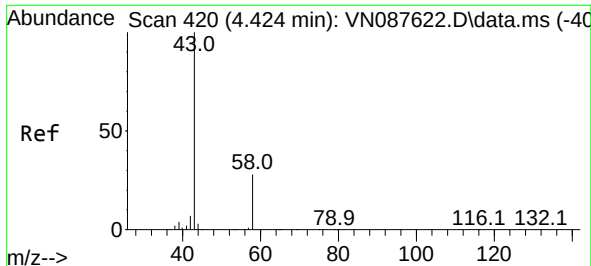
Tgt Ion: 59 Resp: 22937
Ion Ratio Lower Upper
59 100
57 0.3 9.0 13.4#



#13
Acrolein
Concen: 0.459 ug/l
RT: 4.165 min Scan# 376
Delta R.T. -0.006 min
Lab File: VN087894.D
Acq: 18 Sep 2025 14:48

Tgt Ion: 56 Resp: 388
Ion Ratio Lower Upper
56 100
55 158.8 57.3 85.9#

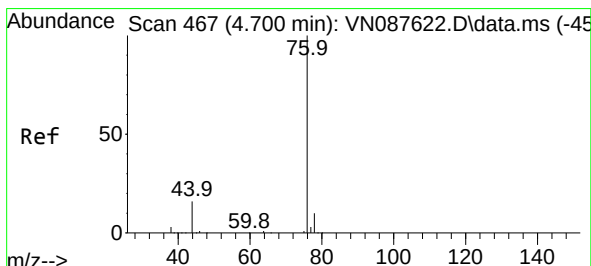
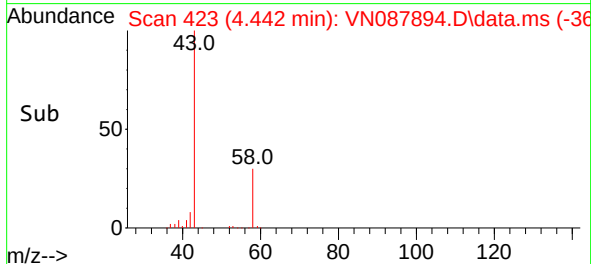
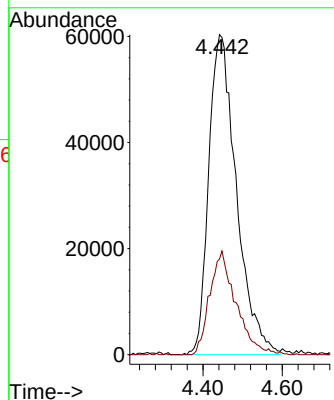
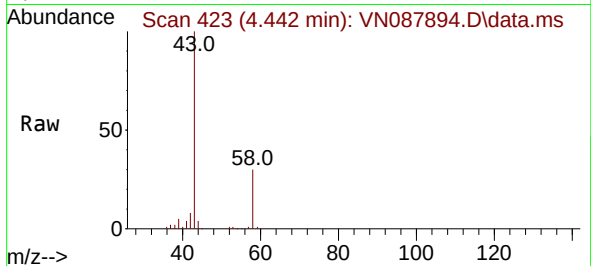




#16
Acetone
Concen: 135.552 ug/l
RT: 4.442 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN087894.D
Acq: 18 Sep 2025 14:48

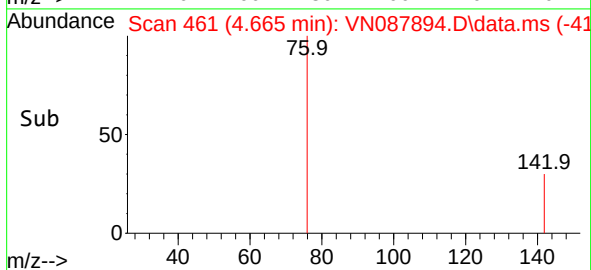
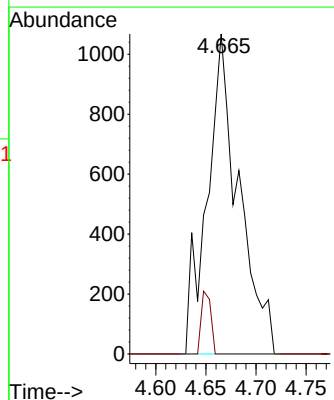
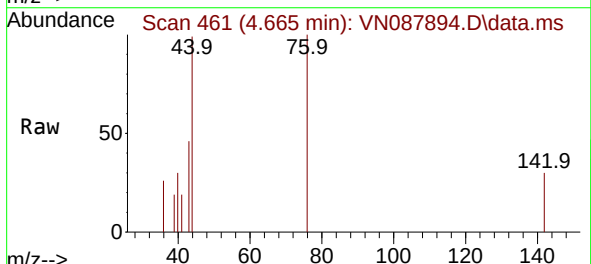
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MSVOA_N
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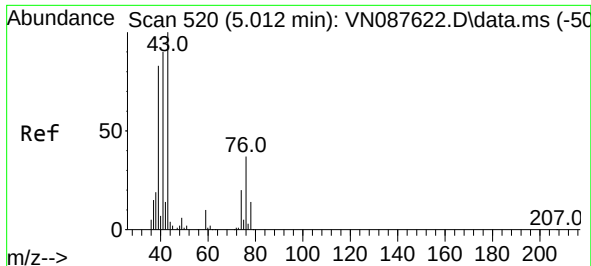
Tgt Ion: 43 Resp: 292292
Ion Ratio Lower Upper
43 100
58 29.9 22.6 33.8



#17
Carbon Disulfide
Concen: 0.305 ug/l
RT: 4.665 min Scan# 461
Delta R.T. -0.035 min
Lab File: VN087894.D
Acq: 18 Sep 2025 14:48

Tgt Ion: 76 Resp: 2342
Ion Ratio Lower Upper
76 100
78 0.0 7.6 11.4#





#18

Methyl Acetate

Concen: 2.024 ug/l

RT: 5.018 min Scan# 51

Delta R.T. 0.006 min

Lab File: VN087894.D

Acq: 18 Sep 2025 14:48

Instrument :

MSVOA_N

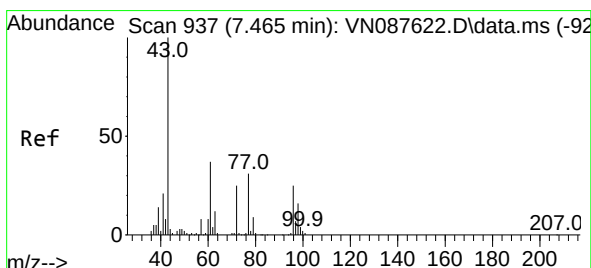
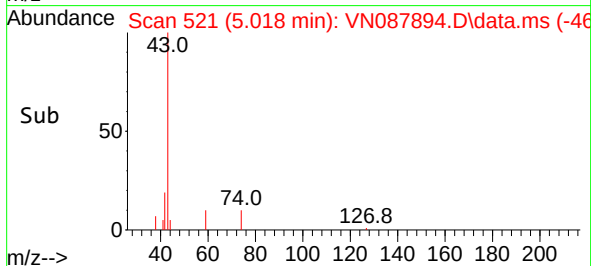
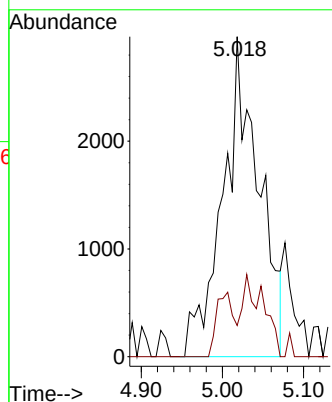
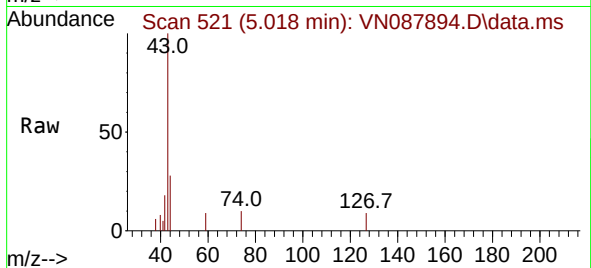
ClientSampleId :

Tgt Ion: 43 Resp: 9136

Ion Ratio Lower Upper

43 100

74 3.9 17.6 26.4#



#25

2-Butanone

Concen: 0.301 ug/l

RT: 7.465 min Scan# 937

Delta R.T. 0.000 min

Lab File: VN087894.D

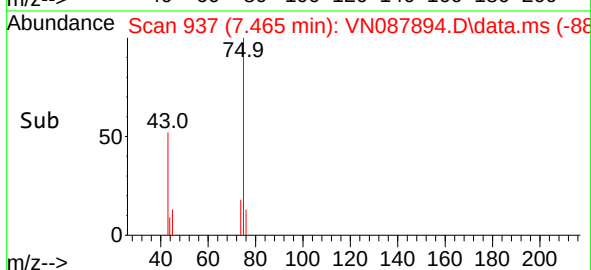
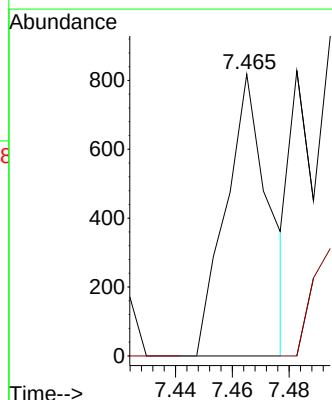
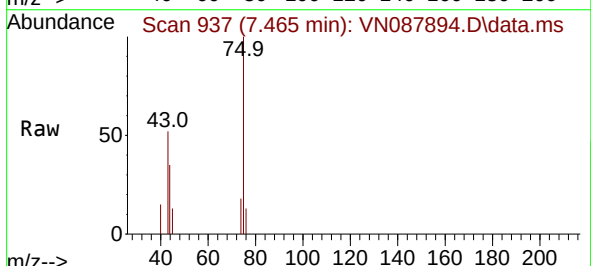
Acq: 18 Sep 2025 14:48

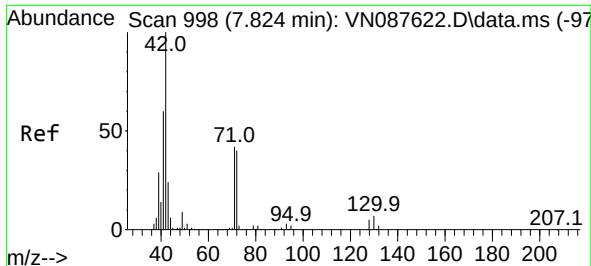
Tgt Ion: 43 Resp: 855

Ion Ratio Lower Upper

43 100

72 0.0 19.9 29.9#





#29

Tetrahydrofuran

Concen: 117.355 ug/l

RT: 7.836 min Scan# 1000

Delta R.T. 0.012 min

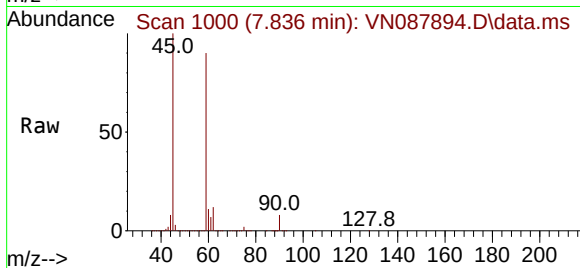
Lab File: VN087894.D

Acq: 18 Sep 2025 14:48

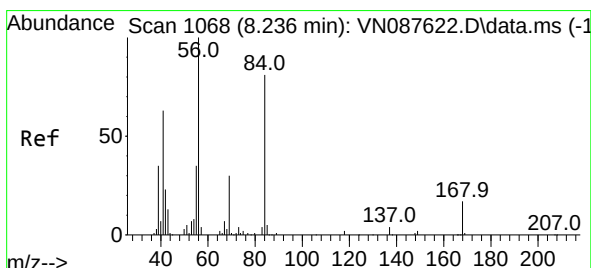
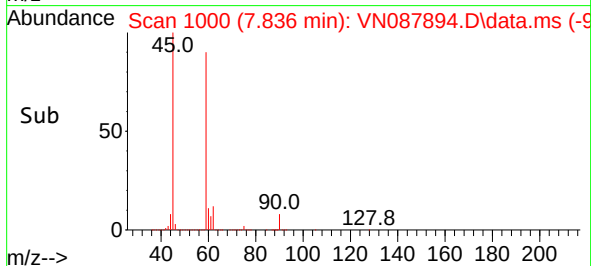
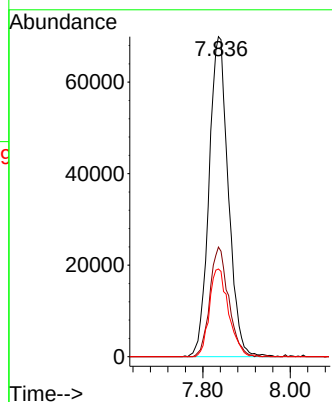
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	214255
Ion Ratio	100	Lower	Upper
42	100		
72	33.3	33.7	50.5#
71	27.4	31.9	47.9#



#31

Cyclohexane

Concen: 1.171 ug/l

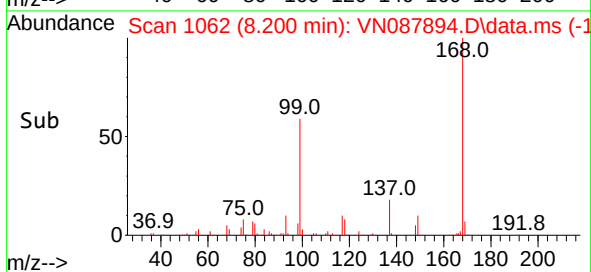
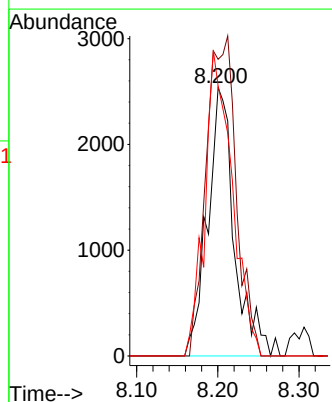
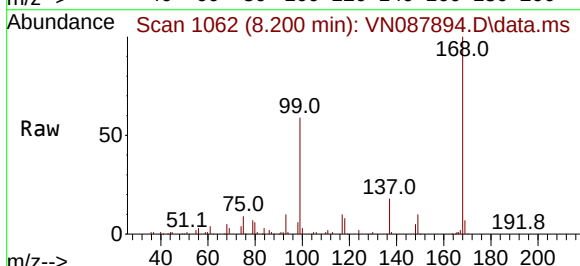
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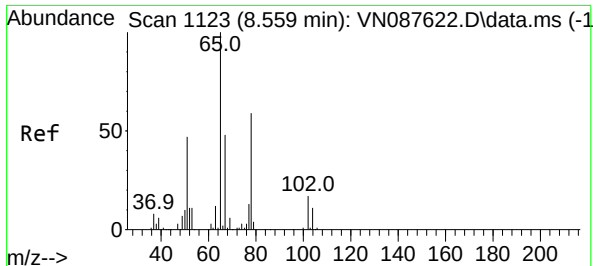
Delta R.T. -0.035 min

Lab File: VN087894.D

Acq: 18 Sep 2025 14:48

Tgt Ion:	56	Resp:	5835
Ion Ratio	100	Lower	Upper
56	100		
69	110.5	23.7	35.5#
84	100.7	64.7	97.1#





#33

1,2-Dichloroethane-d4

Concen: 42.577 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN087894.D

Acq: 18 Sep 2025 14:48

Instrument :

MSVOA_N

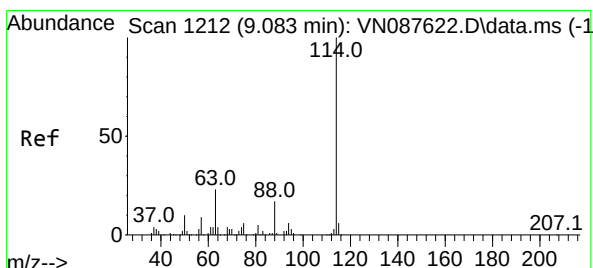
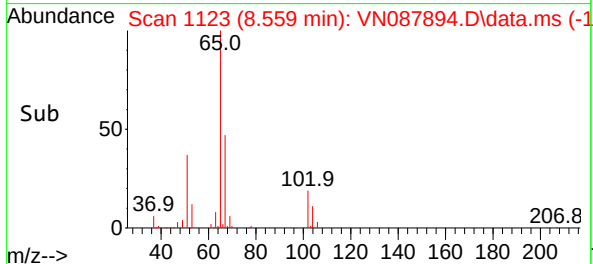
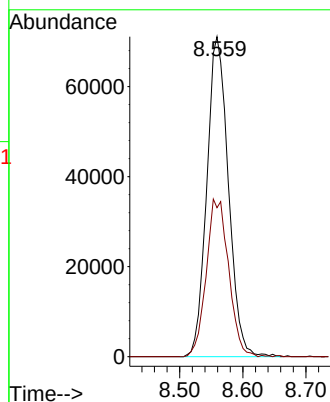
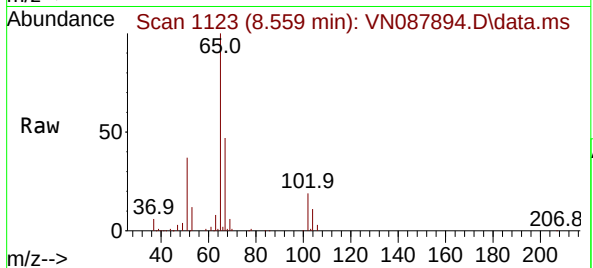
ClientSampleId :

Tgt Ion: 65 Resp: 168652

Ion Ratio Lower Upper

65 100

67 51.2 0.0 100.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN087894.D

Acq: 18 Sep 2025 14:48

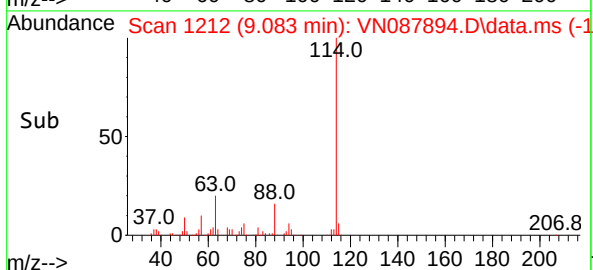
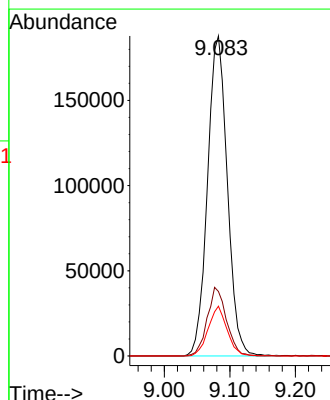
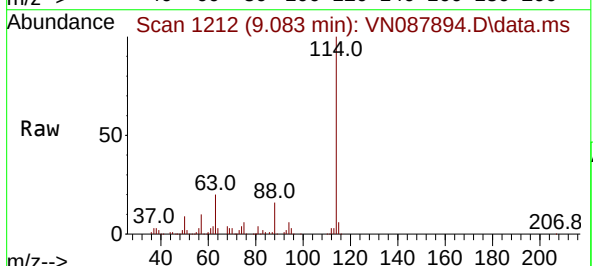
Tgt Ion: 114 Resp: 394217

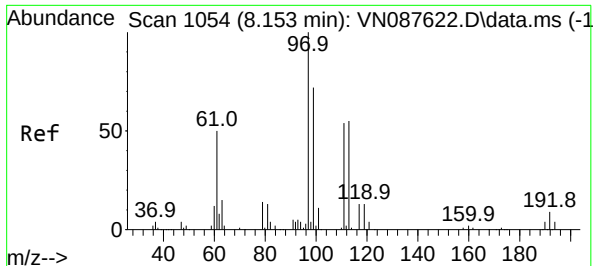
Ion Ratio Lower Upper

114 100

63 20.2 0.0 45.2

88 15.5 0.0 33.4





#35

Dibromofluoromethane

Concen: 49.738 ug/l

RT: 8.153 min Scan# 1

Delta R.T. 0.000 min

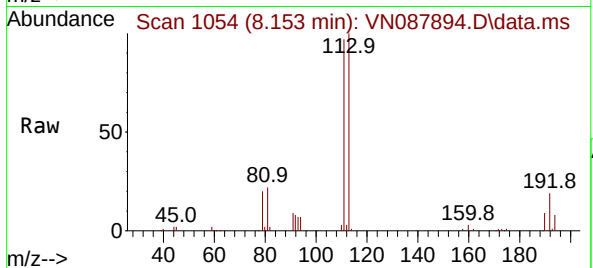
Lab File: VN087894.D

Acq: 18 Sep 2025 14:48

Instrument :

MSVOA_N

ClientSampleId :



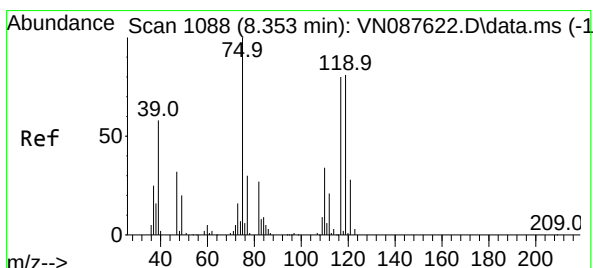
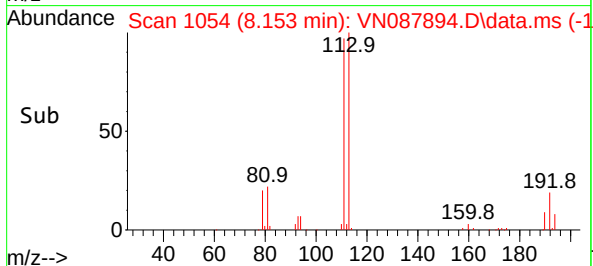
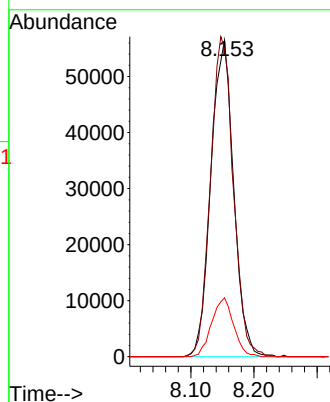
Tgt Ion:113 Resp: 141567

Ion Ratio Lower Upper

113 100

111 101.3 82.8 124.2

192 17.9 12.8 19.2



#36

1,1-Dichloropropene

Concen: 4.049 ug/l

RT: 8.200 min Scan# 1062

Delta R.T. -0.153 min

Lab File: VN087894.D

Acq: 18 Sep 2025 14:48

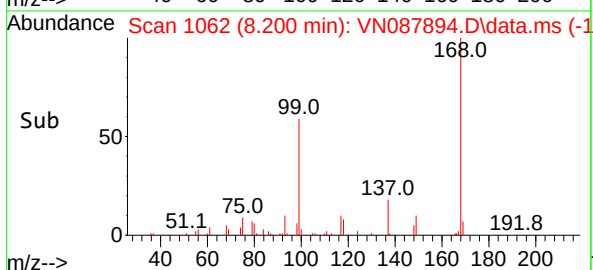
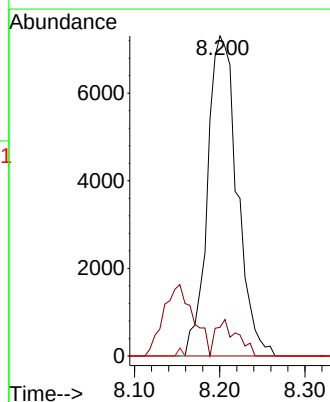
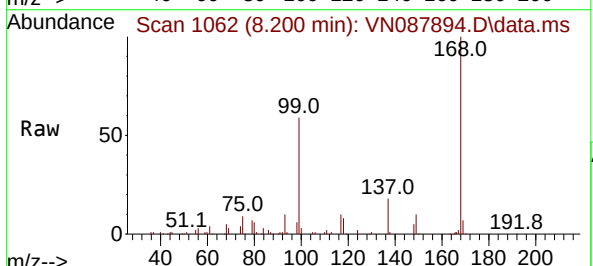
Tgt Ion: 75 Resp: 17679

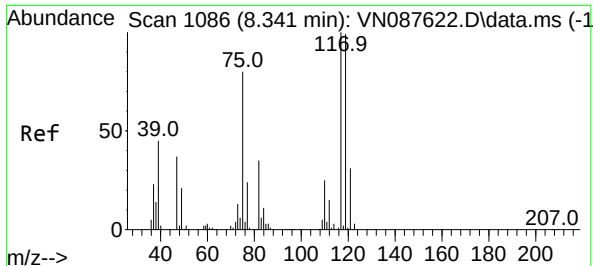
Ion Ratio Lower Upper

75 100

110 8.1 15.9 47.6#

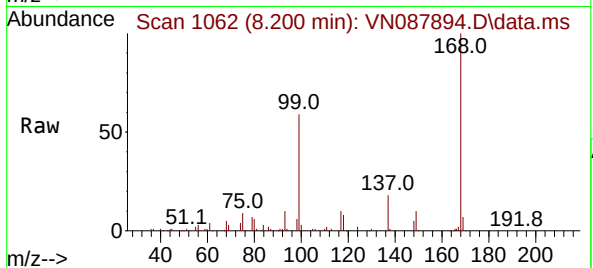
77 0.0 24.4 36.6#



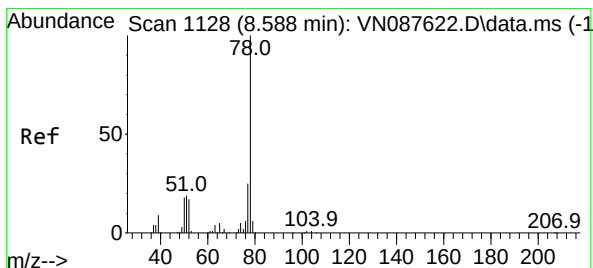
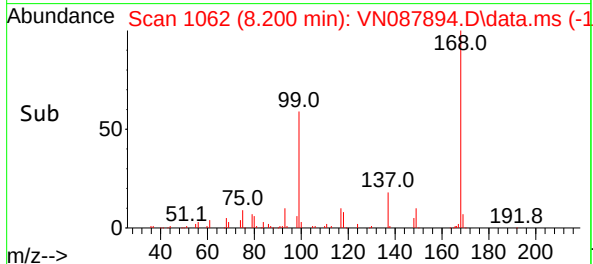
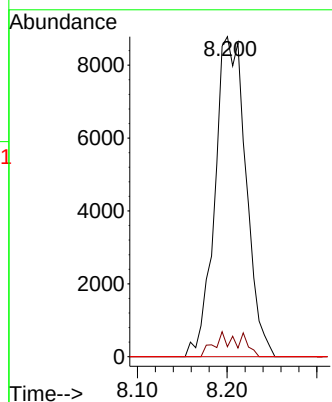


#38
Carbon Tetrachloride
Concen: 4.885 ug/l
RT: 8.200 min Scan# 1106
Delta R.T. -0.141 min
Lab File: VN087894.D
Acq: 18 Sep 2025 14:48

Instrument :
MSVOA_N
ClientSampleId :

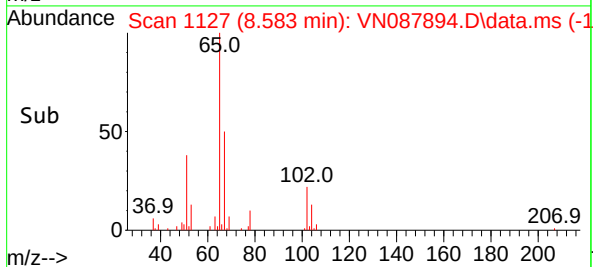
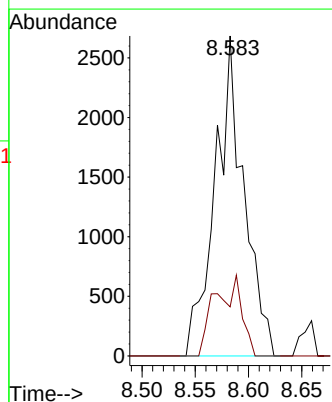
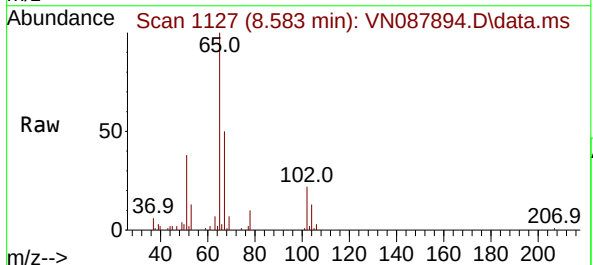


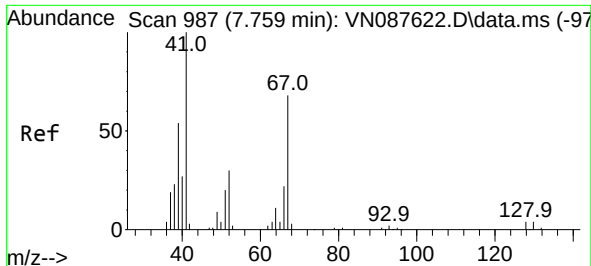
Tgt Ion:117 Resp: 21062
Ion Ratio Lower Upper
117 100
119 3.1 79.0 118.6#
121 0.0 25.0 37.6#



#40
Benzene
Concen: 0.376 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VN087894.D
Acq: 18 Sep 2025 14:48

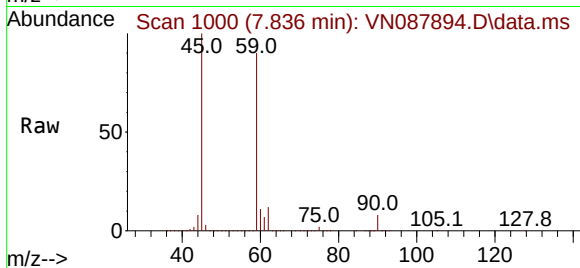
Tgt Ion: 78 Resp: 5040
Ion Ratio Lower Upper
78 100
77 15.4 19.7 29.5#



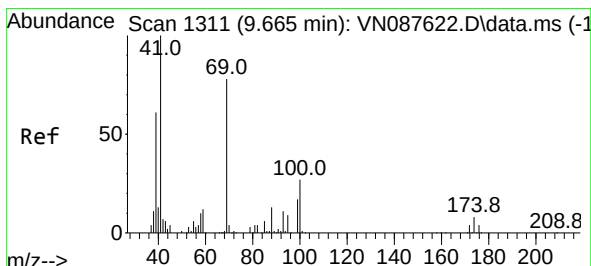
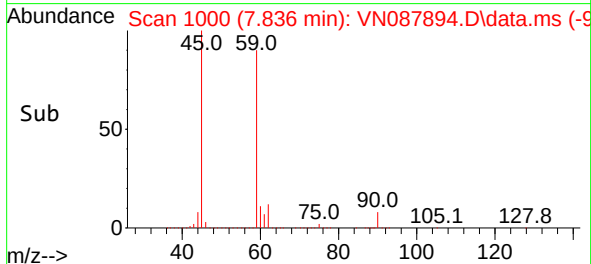
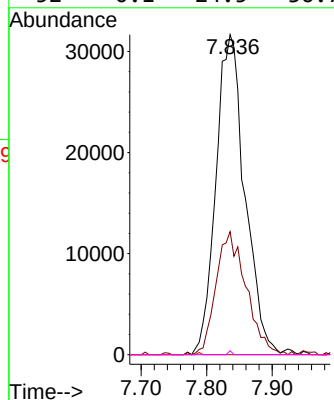


#41
Methacrylonitrile
Concen: 31.428 ug/l
RT: 7.836 min Scan# 1000
Delta R.T. 0.077 min
Lab File: VN087894.D
Acq: 18 Sep 2025 14:48

Instrument :
MSVOA_N
ClientSampleId :

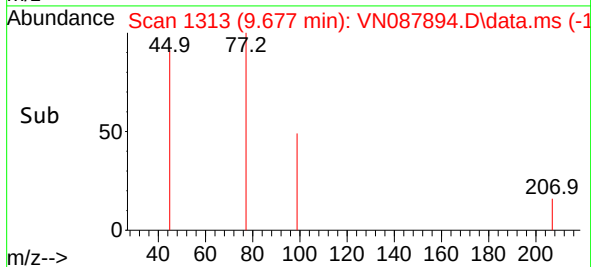
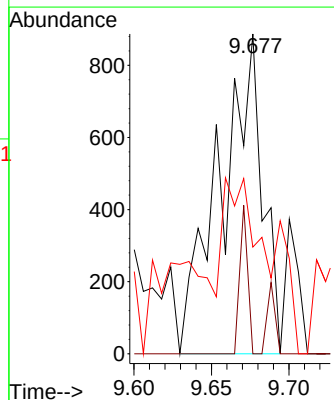
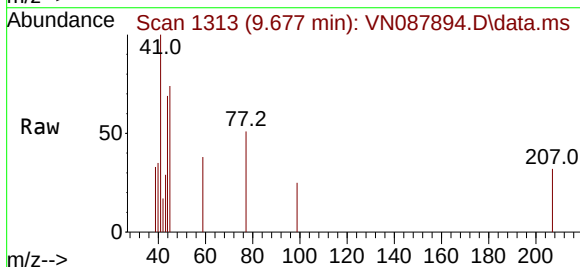


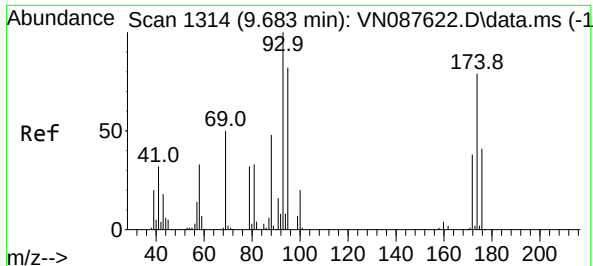
Tgt Ion	Ratio	Lower	Upper
41	100		
39	40.0	45.4	68.0#
67	0.0	55.3	82.9#
52	0.1	24.5	36.7#



#48
Methyl methacrylate
Concen: 0.379 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.012 min
Lab File: VN087894.D
Acq: 18 Sep 2025 14:48

Tgt Ion	Ratio	Lower	Upper
41	100		
69	8.7	62.7	94.1#
39	60.2	52.9	79.3





#49

1,4-Dioxane

Concen: 0.946 ug/l

RT: 9.718 min Scan# 11

Delta R.T. 0.035 min

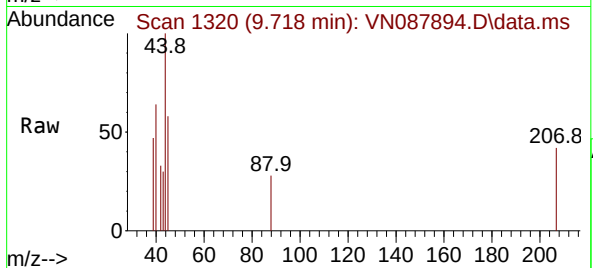
Lab File: VN087894.D

Acq: 18 Sep 2025 14:48

Instrument :

MSVOA_N

ClientSampleId :



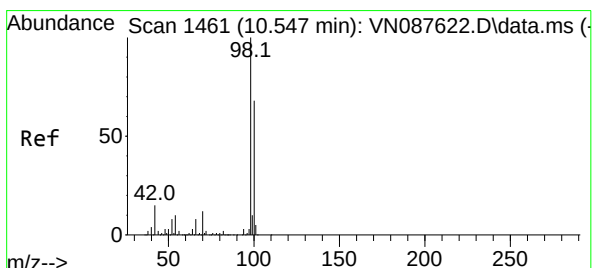
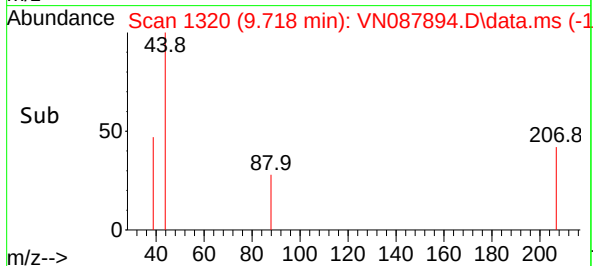
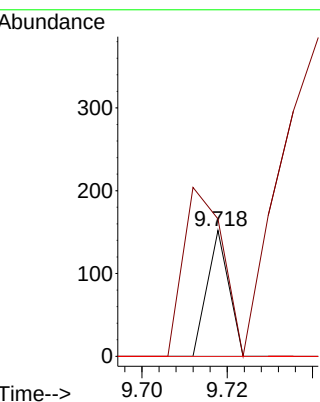
Tgt Ion: 88 Resp: 54

Ion Ratio Lower Upper

88 100

43 242.6 0.0 0.0#

58 0.0 57.9 86.9#



#50

Toluene-d8

Concen: 45.926 ug/l

RT: 10.547 min Scan# 1461

Delta R.T. 0.000 min

Lab File: VN087894.D

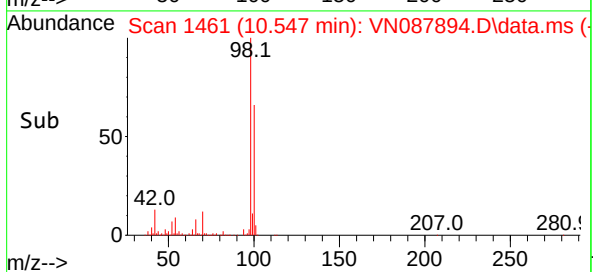
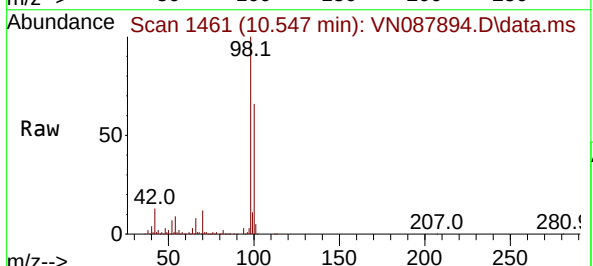
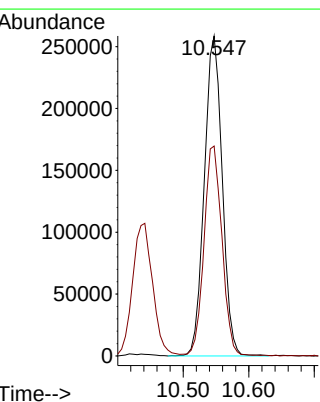
Acq: 18 Sep 2025 14:48

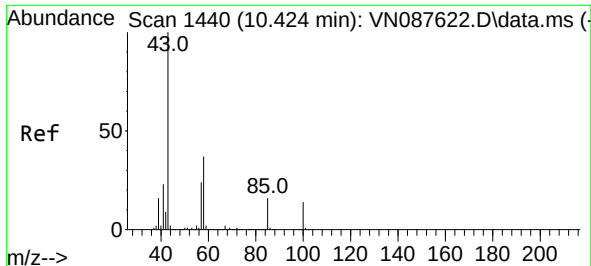
Tgt Ion: 98 Resp: 489245

Ion Ratio Lower Upper

98 100

100 66.1 52.8 79.2





#51

4-Methyl-2-Pentanone

Concen: 257.882 ug/l

RT: 10.435 min Scan# 1440

Delta R.T. 0.012 min

Lab File: VN087894.D

Acq: 18 Sep 2025 14:48

Instrument :

MSVOA_N

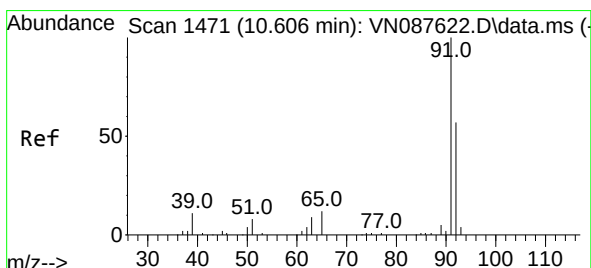
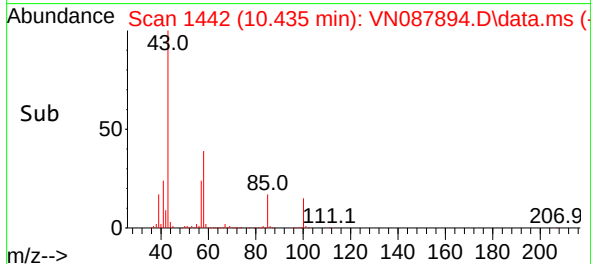
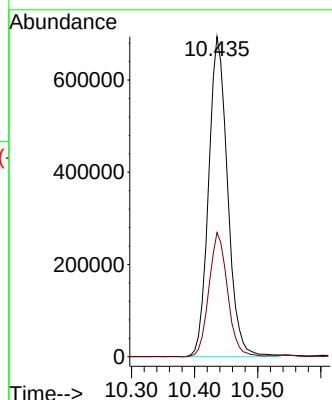
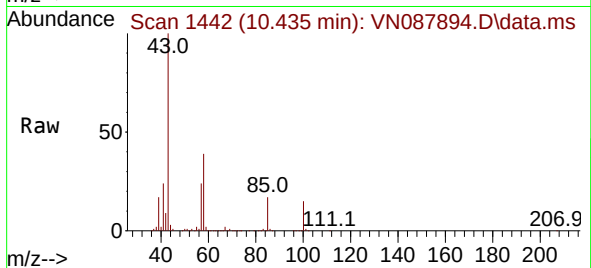
ClientSampleId :

Tgt Ion: 43 Resp: 1449421

Ion Ratio Lower Upper

43 100

58 38.1 29.6 44.4



#52

Toluene

Concen: 16.760 ug/l

RT: 10.612 min Scan# 1472

Delta R.T. 0.006 min

Lab File: VN087894.D

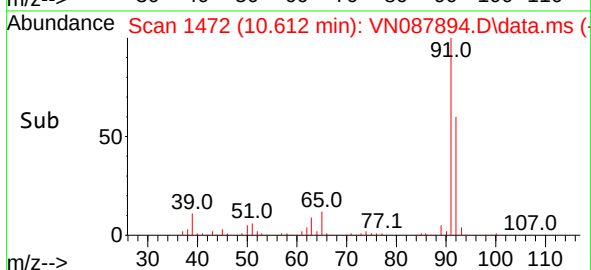
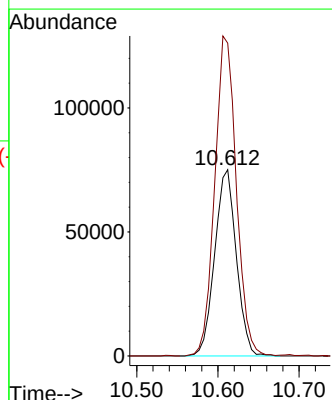
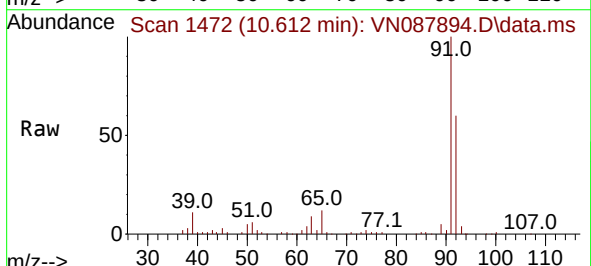
Acq: 18 Sep 2025 14:48

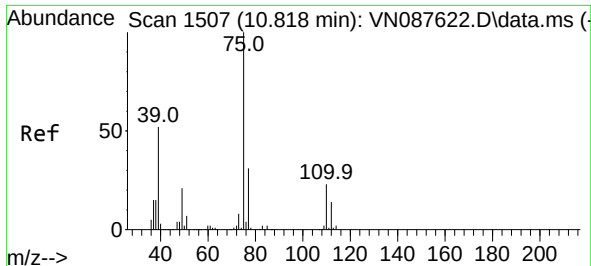
Tgt Ion: 92 Resp: 139154

Ion Ratio Lower Upper

92 100

91 171.4 140.4 210.6

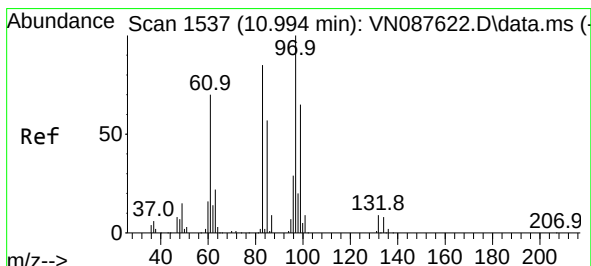
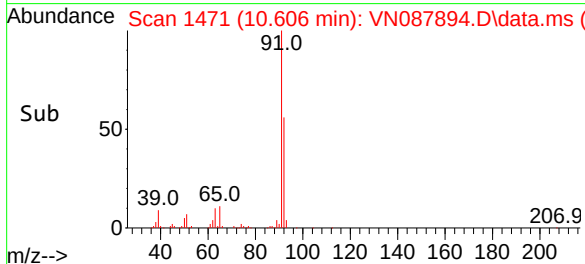
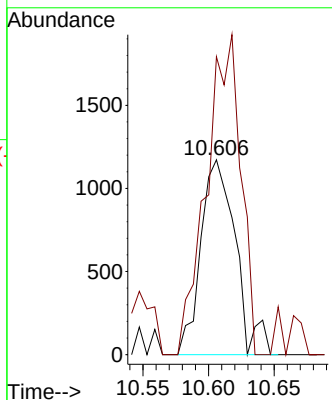
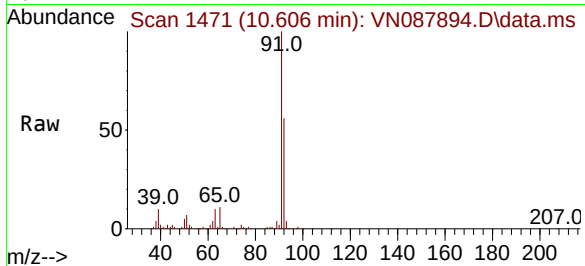




#53
t-1,3-Dichloropropene
Concen: 0.405 ug/l
RT: 10.606 min Scan# 14
Delta R.T. -0.212 min
Lab File: VN087894.D
Acq: 18 Sep 2025 14:48

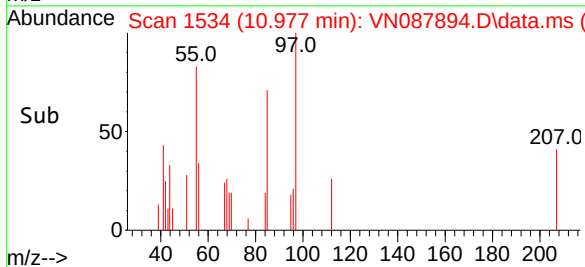
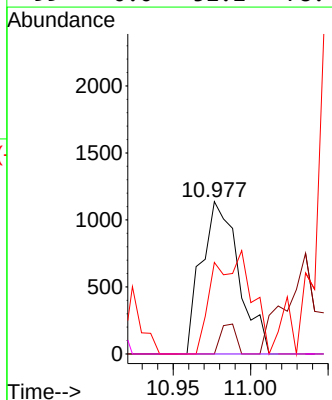
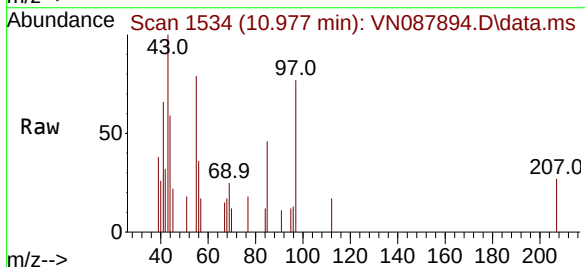
Instrument :
MSVOA_N
ClientSampleId :

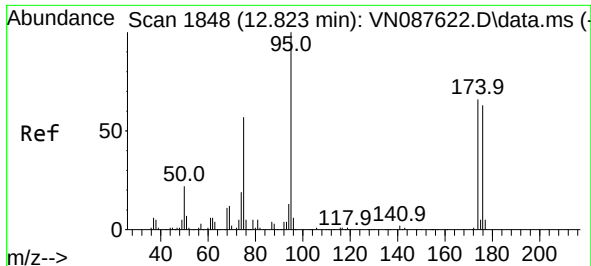
Tgt Ion: 75 Resp: 2158
Ion Ratio Lower Upper
75 100
77 152.9 25.2 37.8#



#55
1,1,2-Trichloroethane
Concen: 0.593 ug/l
RT: 10.977 min Scan# 1534
Delta R.T. -0.018 min
Lab File: VN087894.D
Acq: 18 Sep 2025 14:48

Tgt Ion: 97 Resp: 1906
Ion Ratio Lower Upper
97 100
83 0.0 68.2 102.4#
85 60.1 45.5 68.3
99 0.0 52.2 78.4#

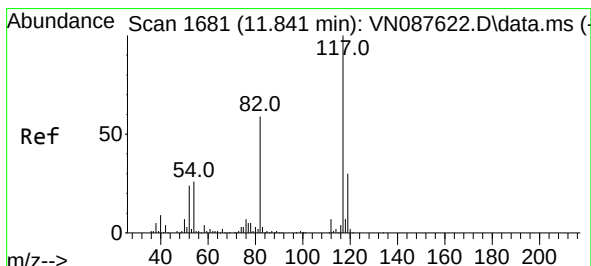
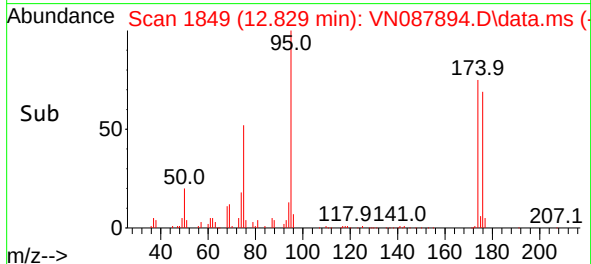
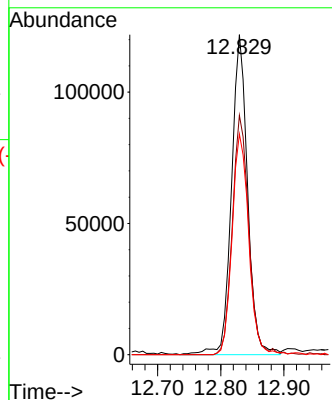
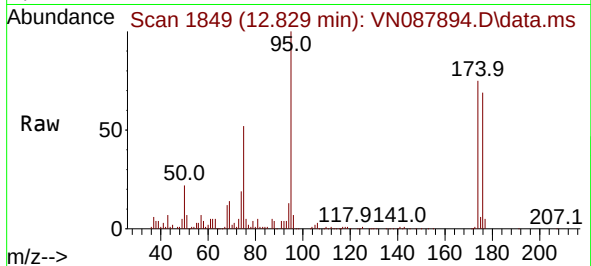




#62
4-Bromofluorobenzene
Concen: 56.911 ug/l
RT: 12.829 min Scan# 1848
Delta R.T. 0.006 min
Lab File: VN087894.D
Acq: 18 Sep 2025 14:48

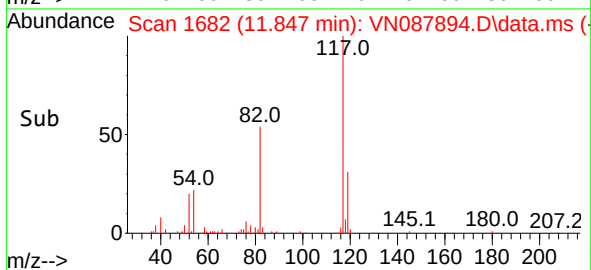
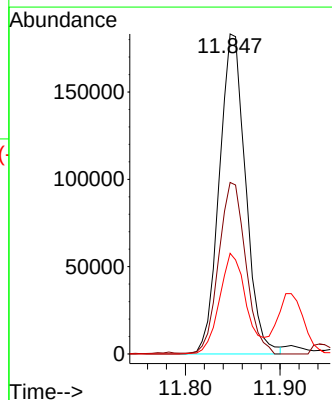
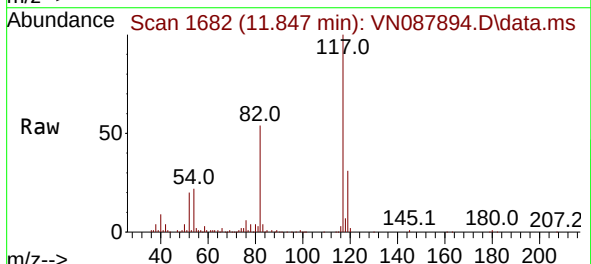
Instrument :
MSVOA_N
ClientSampleId :

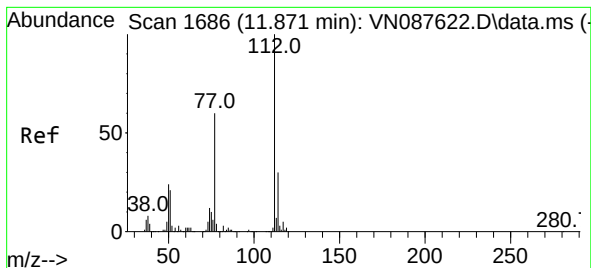
Tgt Ion: 95 Resp: 215610
Ion Ratio Lower Upper
95 100
174 76.7 0.0 138.4
176 71.2 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN087894.D
Acq: 18 Sep 2025 14:48

Tgt Ion: 117 Resp: 353129
Ion Ratio Lower Upper
117 100
82 53.6 47.4 71.2
119 31.5 24.3 36.5





#65

Chlorobenzene

Concen: 3.592 ug/l

RT: 11.906 min Scan# 1

Delta R.T. 0.035 min

Lab File: VN087894.D

Acq: 18 Sep 2025 14:48

Instrument :

MSVOA_N

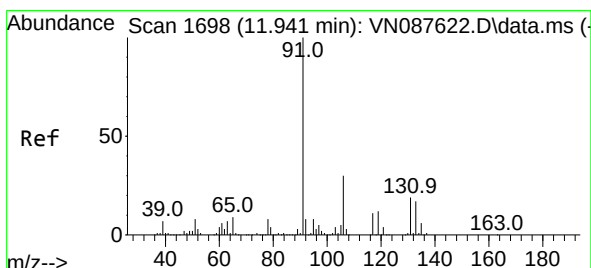
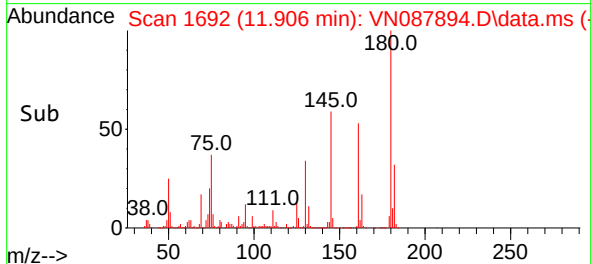
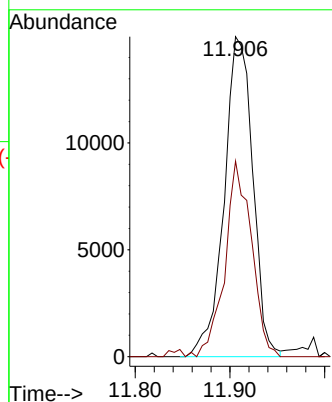
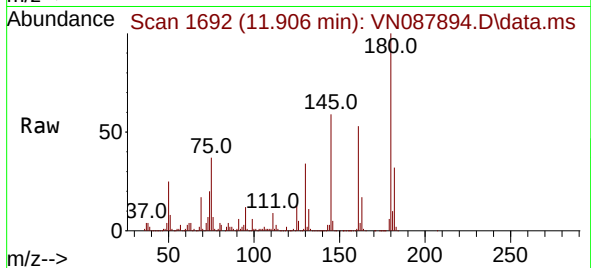
ClientSampleId :

Tgt Ion:112 Resp: 31553

Ion Ratio Lower Upper

112 100

114 61.1 24.3 36.5#



#66

1,1,1,2-Tetrachloroethane

Concen: 26.796 ug/l

RT: 11.912 min Scan# 1693

Delta R.T. -0.029 min

Lab File: VN087894.D

Acq: 18 Sep 2025 14:48

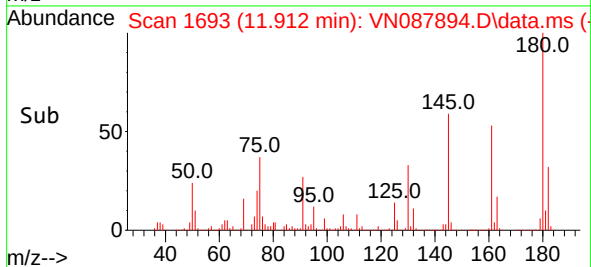
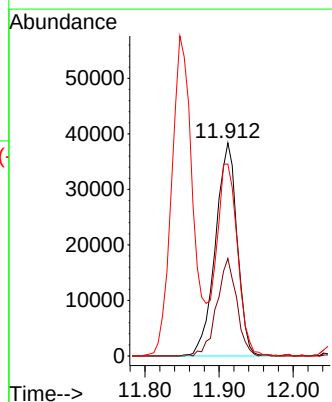
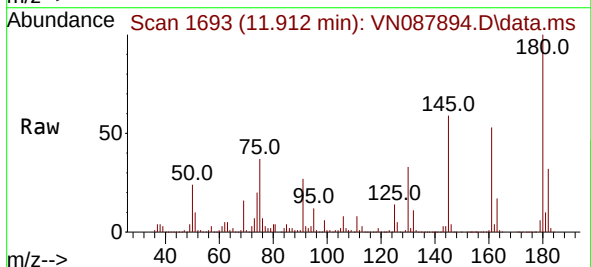
Tgt Ion:131 Resp: 78153

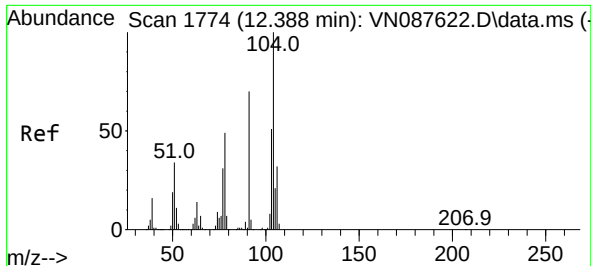
Ion Ratio Lower Upper

131 100

133 42.2 48.0 144.0#

119 87.7 32.6 97.7

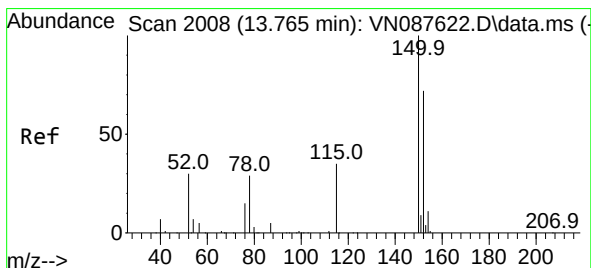
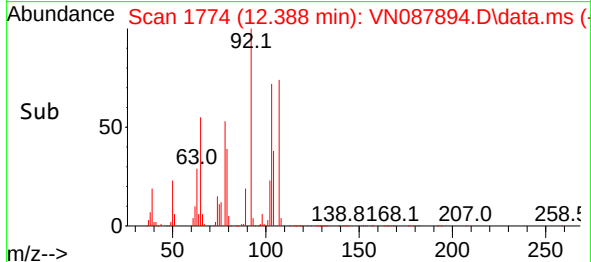
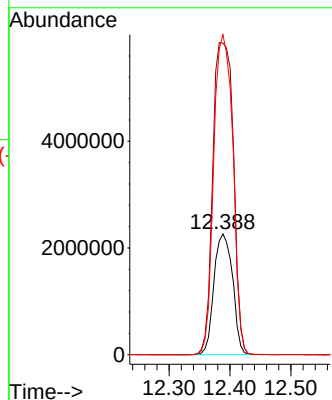
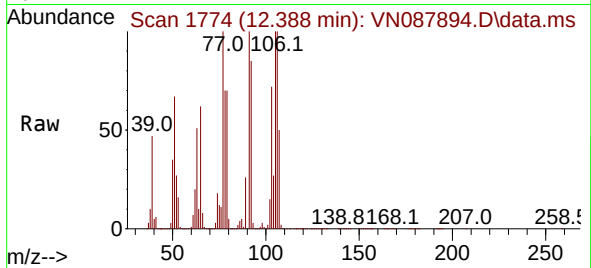




#70
Styrene
Concen: 525.049 ug/l
RT: 12.388 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087894.D
Acq: 18 Sep 2025 14:48

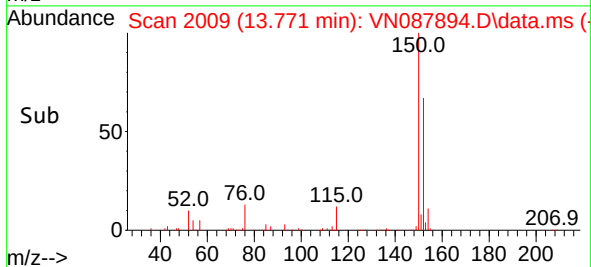
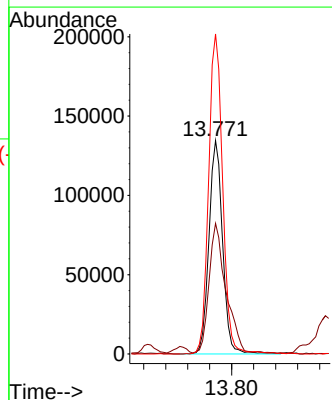
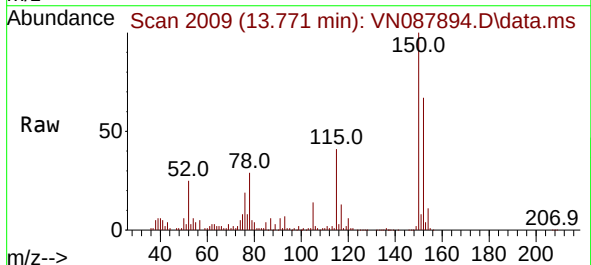
Instrument :
MSVOA_N
ClientSampleId :

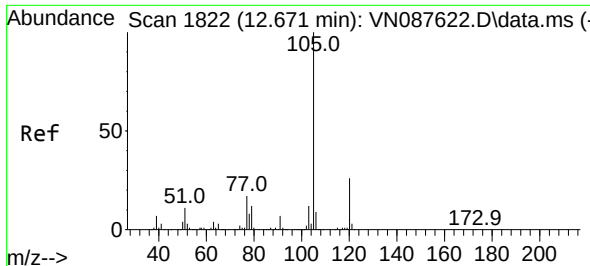
Tgt Ion:104 Resp: 4808931
Ion Ratio Lower Upper
104 100
78 285.5 42.2 63.2#
103 272.2 43.4 65.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.771 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN087894.D
Acq: 18 Sep 2025 14:48

Tgt Ion:152 Resp: 232077
Ion Ratio Lower Upper
152 100
115 74.7 32.3 96.8
150 154.0 0.0 351.0

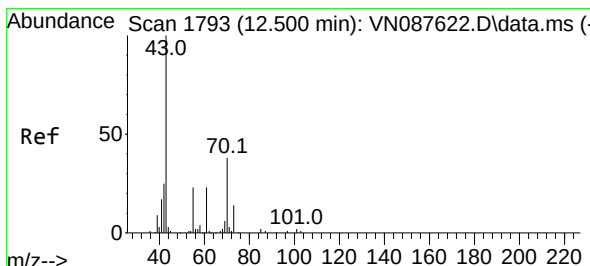
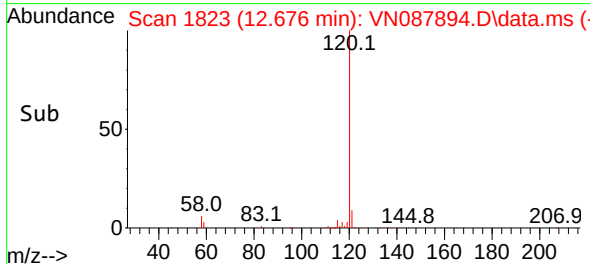
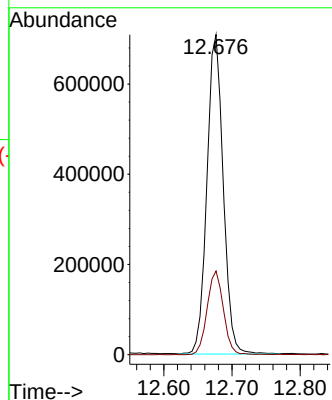
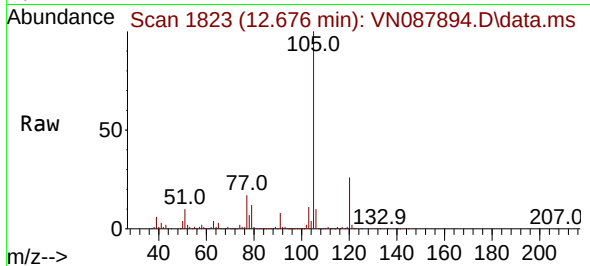




#73
Isopropylbenzene
Concen: 62.942 ug/l
RT: 12.676 min Scan# 1180378
Delta R.T. 0.006 min
Lab File: VN087894.D
Acq: 18 Sep 2025 14:48

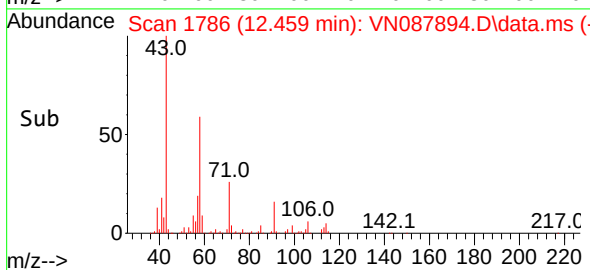
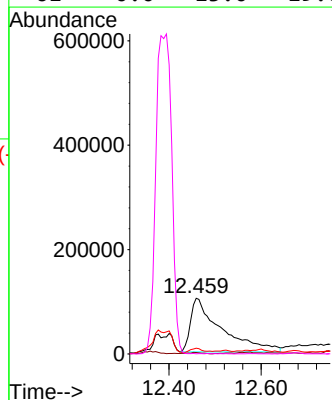
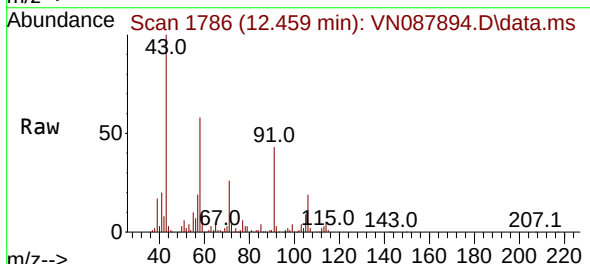
Instrument :
MSVOA_N
ClientSampleId :

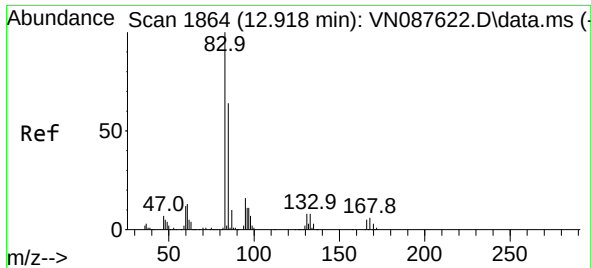
Tgt Ion:105 Resp: 1180378
Ion Ratio Lower Upper
105 100
120 26.1 12.8 38.3



#74
N-ethyl acetate
Concen: 66.512 ug/l
RT: 12.459 min Scan# 1786
Delta R.T. -0.041 min
Lab File: VN087894.D
Acq: 18 Sep 2025 14:48

Tgt Ion: 43 Resp: 472693
Ion Ratio Lower Upper
43 100
70 1.2 27.6 41.4#
55 3.5 13.0 19.6#
61 0.0 13.0 19.6#

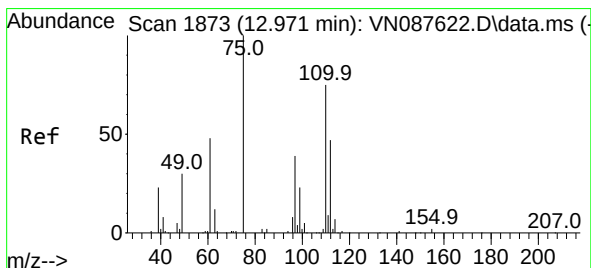
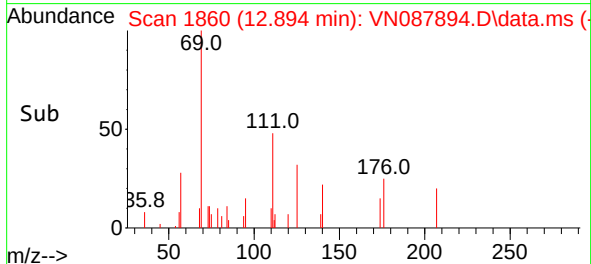
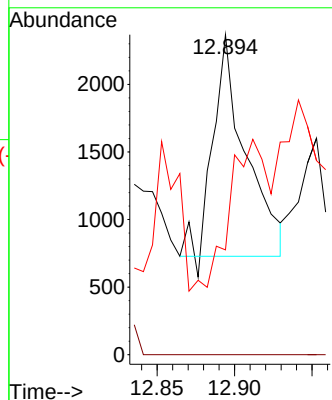
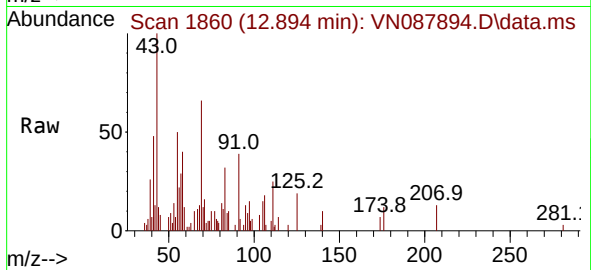




#75
1,1,2,2-Tetrachloroethane
Concen: 0.371 ug/l
RT: 12.894 min Scan# 1860
Delta R.T. -0.024 min
Lab File: VN087894.D
Acq: 18 Sep 2025 14:48

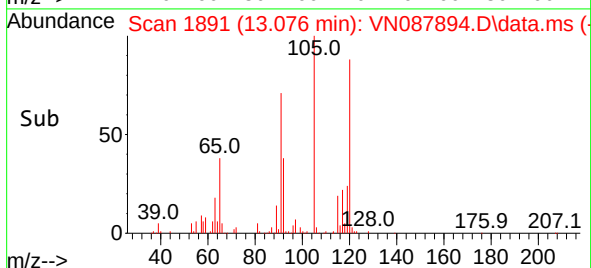
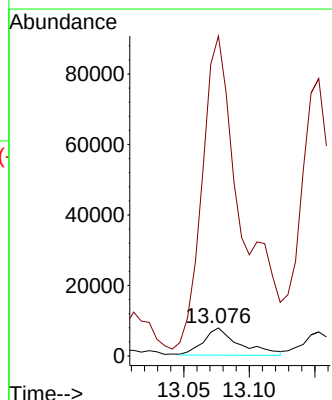
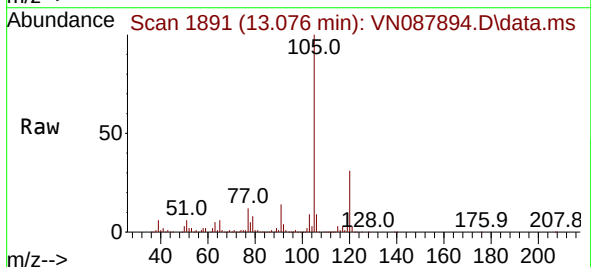
Instrument :
MSVOA_N
ClientSampleId :

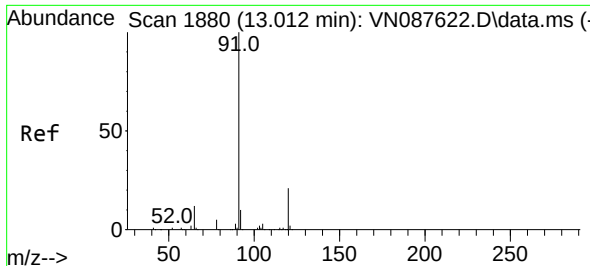
Tgt Ion: 83 Resp: 2397
Ion Ratio Lower Upper
83 100
131 0.0 4.8 14.4#
85 76.3 32.1 96.3



#76
1,2,3-Trichloropropane
Concen: 2.684 ug/l
RT: 13.076 min Scan# 1891
Delta R.T. 0.106 min
Lab File: VN087894.D
Acq: 18 Sep 2025 14:48

Tgt Ion: 75 Resp: 14607
Ion Ratio Lower Upper
75 100
77 1298.0 89.1 267.4#

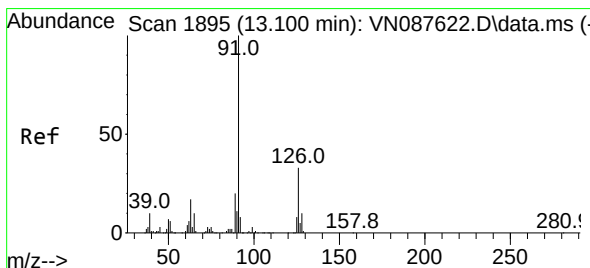
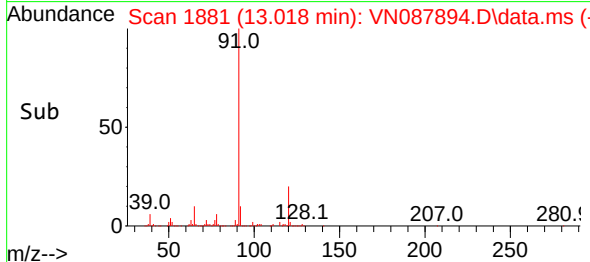
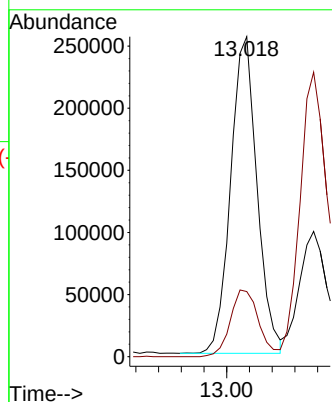
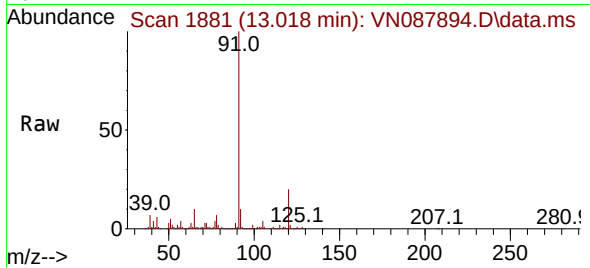




#78
n-propylbenzene
Concen: 17.817 ug/l
RT: 13.018 min Scan# 1880
Delta R.T. 0.006 min
Lab File: VN087894.D
Acq: 18 Sep 2025 14:48

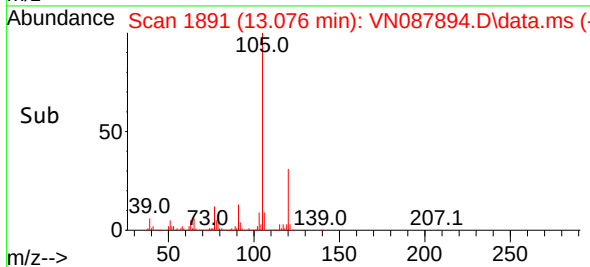
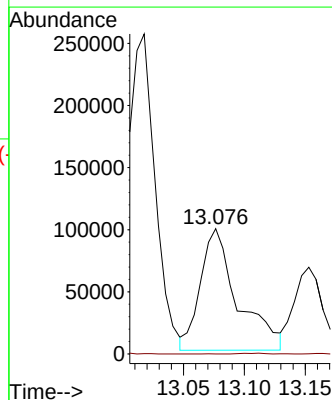
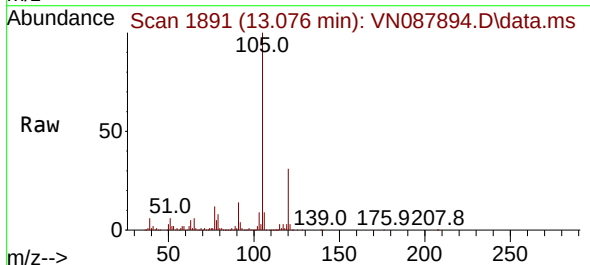
Instrument :
MSVOA_N
ClientSampleId :

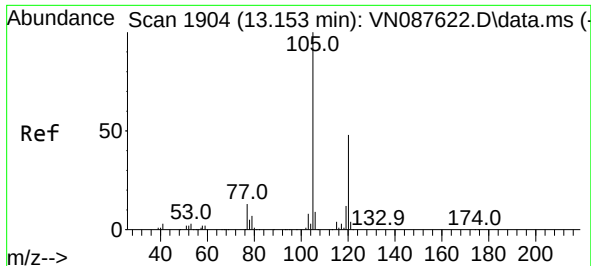
Tgt Ion: 91 Resp: 411555
Ion Ratio Lower Upper
91 100
120 22.7 10.7 32.1



#79
2-Chlorotoluene
Concen: 15.068 ug/l
RT: 13.076 min Scan# 1891
Delta R.T. -0.024 min
Lab File: VN087894.D
Acq: 18 Sep 2025 14:48

Tgt Ion: 91 Resp: 209460
Ion Ratio Lower Upper
91 100
126 0.0 16.1 48.3#

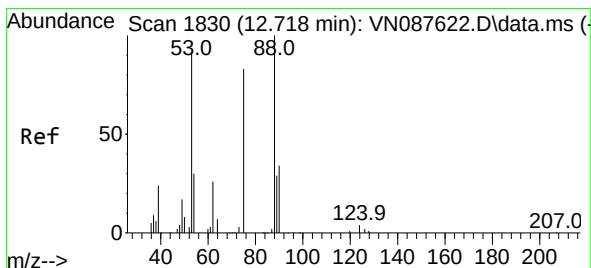
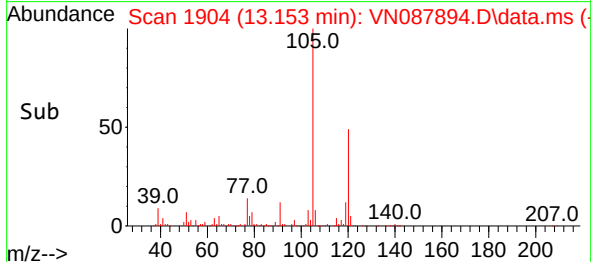
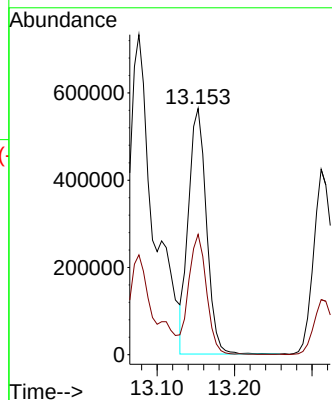
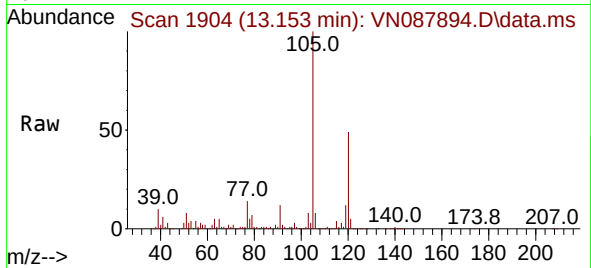




#80
 1,3,5-Trimethylbenzene
 Concen: 56.841 ug/l
 RT: 13.153 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VN087894.D
 Acq: 18 Sep 2025 14:48

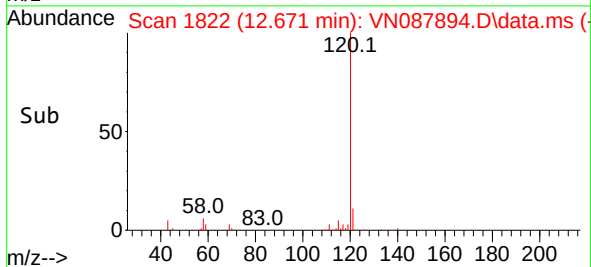
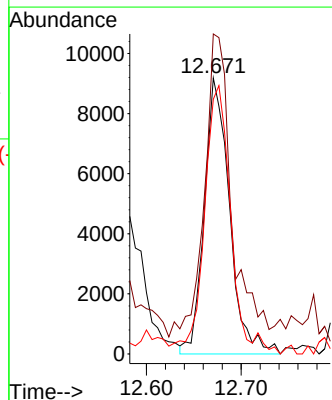
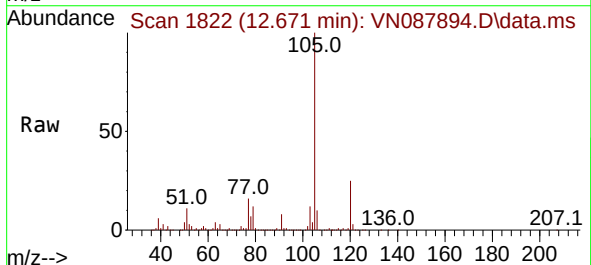
Instrument :
 MSVOA_N
 ClientSampleId :

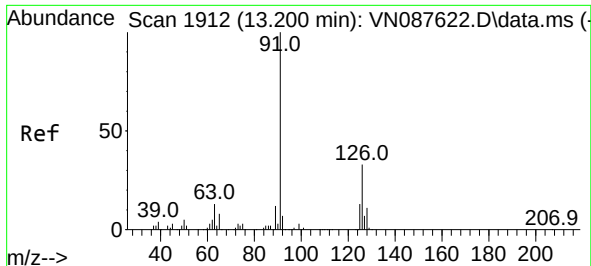
Tgt Ion:105 Resp: 904283
 Ion Ratio Lower Upper
 105 100
 120 50.0 23.2 69.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 8.250 ug/l
 RT: 12.671 min Scan# 1822
 Delta R.T. -0.047 min
 Lab File: VN087894.D
 Acq: 18 Sep 2025 14:48

Tgt Ion: 75 Resp: 16959
 Ion Ratio Lower Upper
 75 100
 53 117.9 101.8 152.6
 89 87.6 35.6 53.4#

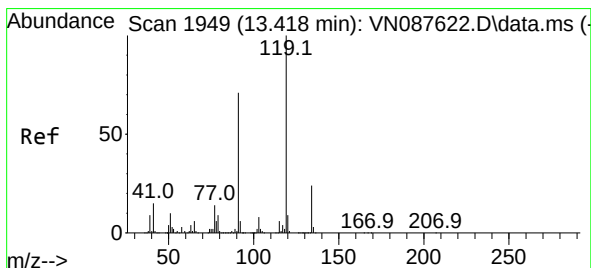
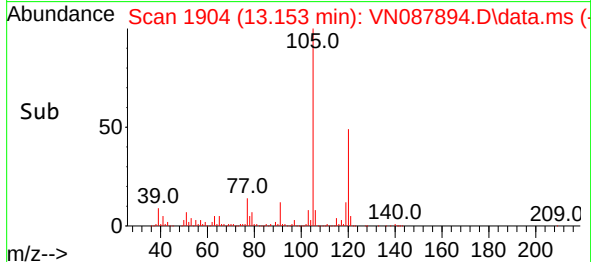
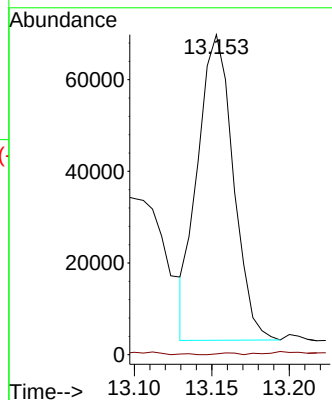
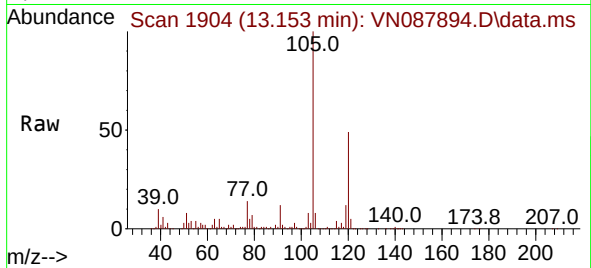




#82
4-Chlorotoluene
Concen: 7.285 ug/l
RT: 13.153 min Scan# 1912
Delta R.T. -0.047 min
Lab File: VN087894.D
Acq: 18 Sep 2025 14:48

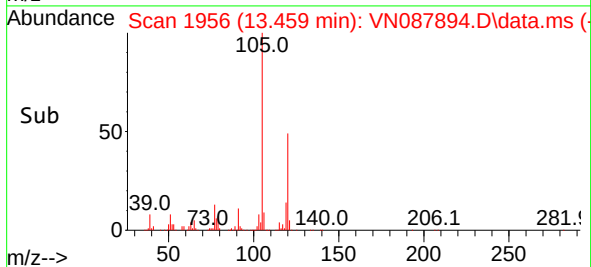
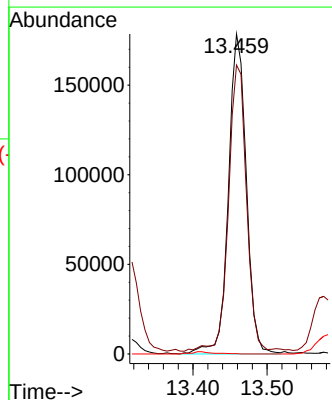
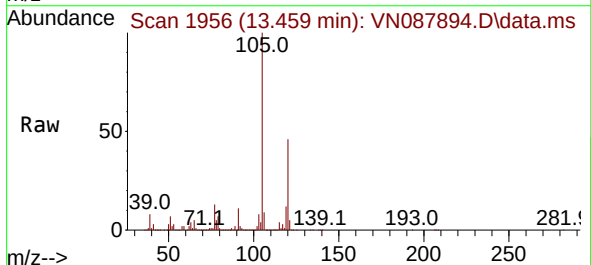
Instrument :
MSVOA_N
ClientSampleId :

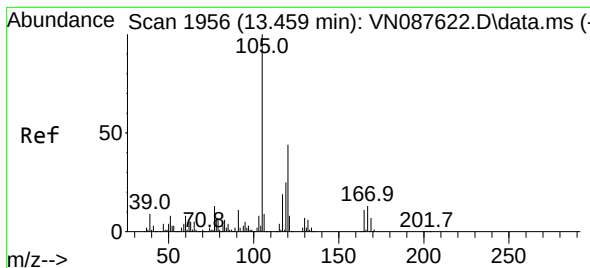
Tgt Ion: 91 Resp: 106477
Ion Ratio Lower Upper
91 100
126 0.3 15.6 46.8#



#83
tert-Butylbenzene
Concen: 22.591 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. 0.041 min
Lab File: VN087894.D
Acq: 18 Sep 2025 14:48

Tgt Ion: 119 Resp: 299495
Ion Ratio Lower Upper
119 100
91 89.6 35.0 105.0
134 0.0 12.6 37.8#





#84

1,2,4-Trimethylbenzene

Concen: 148.917 ug/l

RT: 13.459 min Scan# 1956

Delta R.T. 0.000 min

Lab File: VN087894.D

Acq: 18 Sep 2025 14:48

Instrument :

MSVOA_N

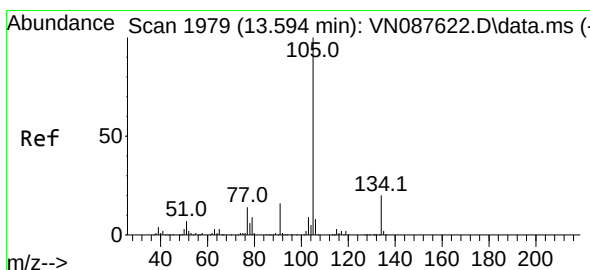
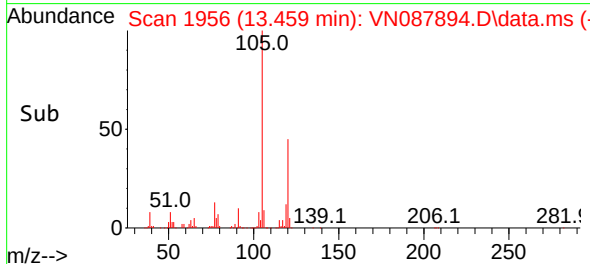
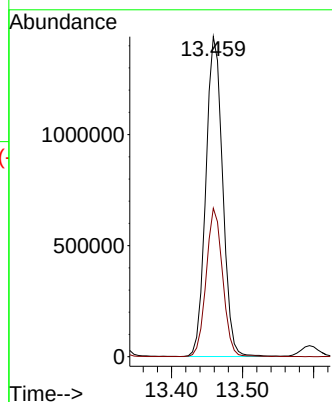
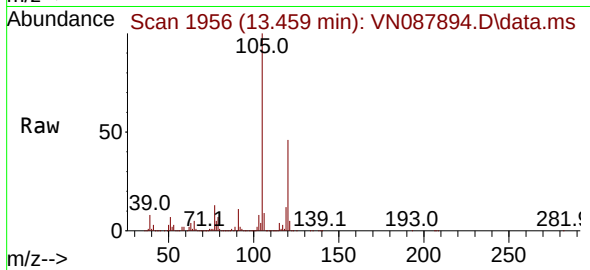
ClientSampleId :

Tgt Ion:105 Resp: 2371598

Ion Ratio Lower Upper

105 100

120 45.4 22.0 66.0



#85

sec-Butylbenzene

Concen: 4.181 ug/l

RT: 13.594 min Scan# 1979

Delta R.T. 0.000 min

Lab File: VN087894.D

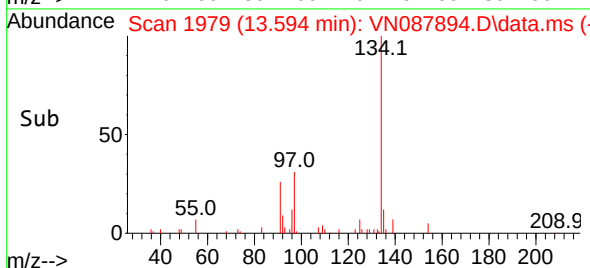
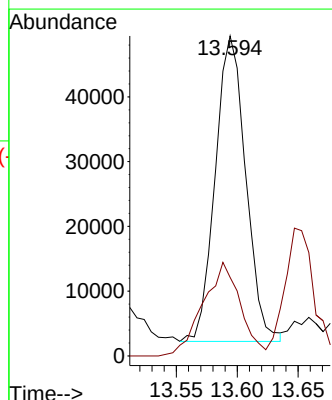
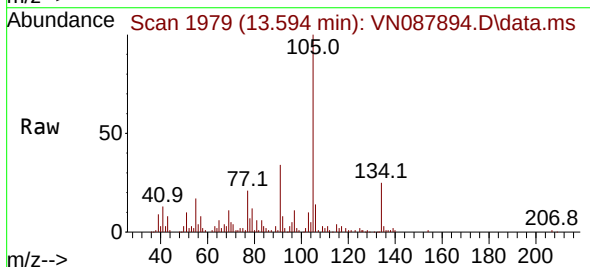
Acq: 18 Sep 2025 14:48

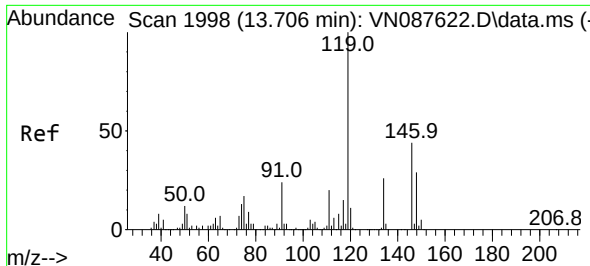
Tgt Ion:105 Resp: 82250

Ion Ratio Lower Upper

105 100

134 37.5 9.6 28.6#

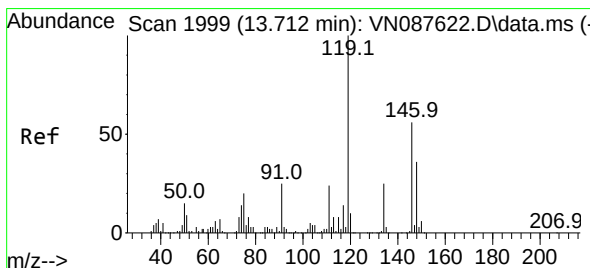
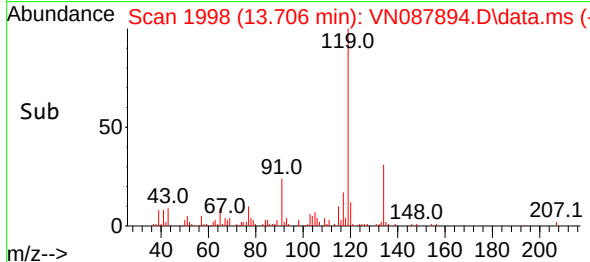
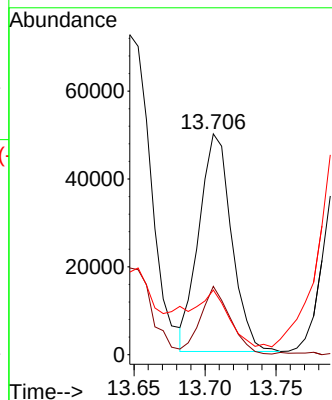
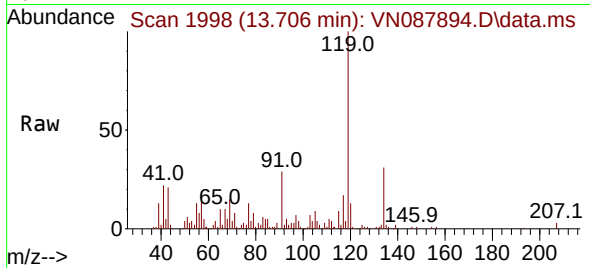




#86
 p-Isopropyltoluene
 Concen: 4.867 ug/l
 RT: 13.706 min Scan# 1998
 Delta R.T. 0.000 min
 Lab File: VN087894.D
 Acq: 18 Sep 2025 14:48

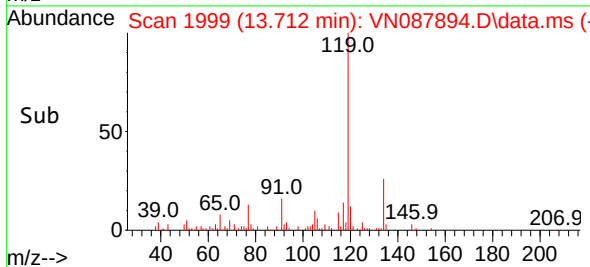
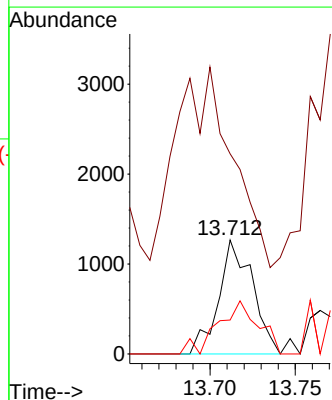
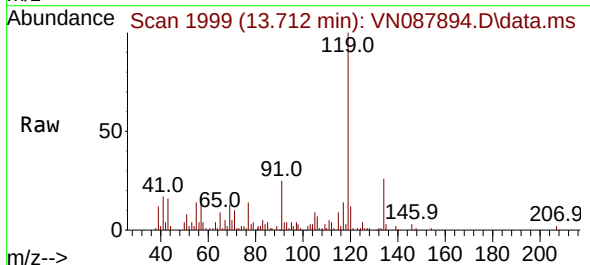
Instrument :
 MSVOA_N
 ClientSampleId :

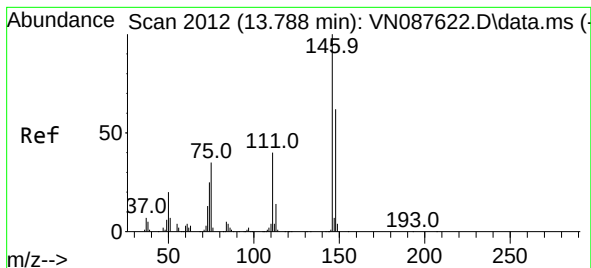
Tgt Ion:119 Resp: 79071
 Ion Ratio Lower Upper
 119 100
 134 28.1 12.7 38.0
 91 24.0 12.5 37.5



#87
 1,3-Dichlorobenzene
 Concen: 0.202 ug/l
 RT: 13.712 min Scan# 1999
 Delta R.T. 0.000 min
 Lab File: VN087894.D
 Acq: 18 Sep 2025 14:48

Tgt Ion:146 Resp: 1757
 Ion Ratio Lower Upper
 146 100
 111 288.6 22.1 66.5#
 148 55.6 32.0 96.2





#88

1,4-Dichlorobenzene

Concen: 0.251 ug/l

RT: 13.794 min Scan# 2012

Delta R.T. 0.006 min

Lab File: VN087894.D

Acq: 18 Sep 2025 14:48

Instrument :

MSVOA_N

ClientSampleId :

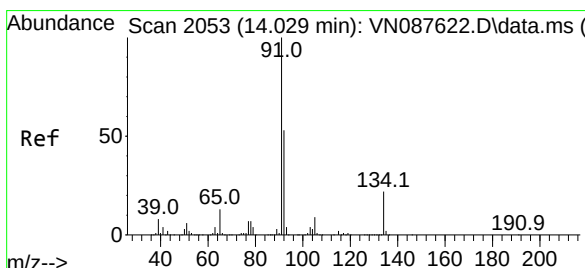
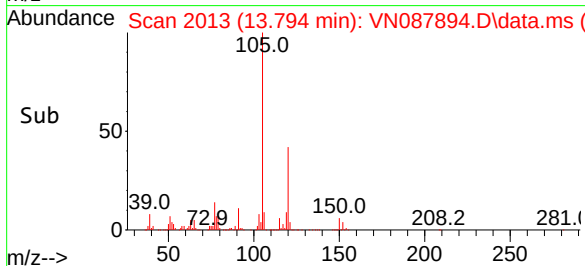
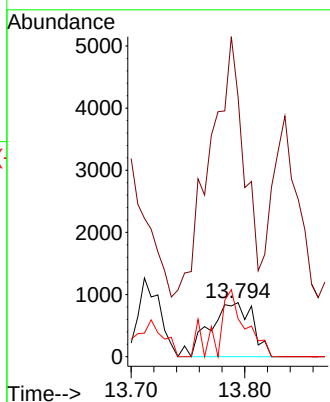
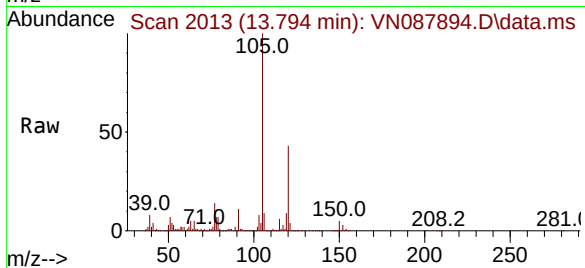
Tgt Ion:146 Resp: 2272

Ion Ratio Lower Upper

146 100

111 383.4 21.0 63.0#

148 70.5 32.0 96.0



#89

n-Butylbenzene

Concen: 4.335 ug/l

RT: 14.035 min Scan# 2054

Delta R.T. 0.006 min

Lab File: VN087894.D

Acq: 18 Sep 2025 14:48

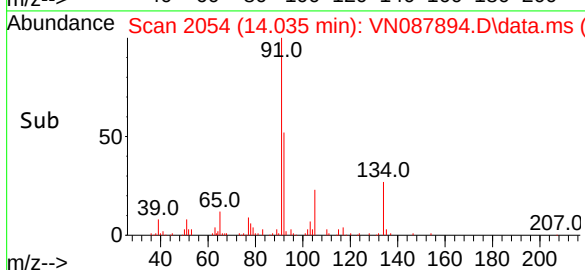
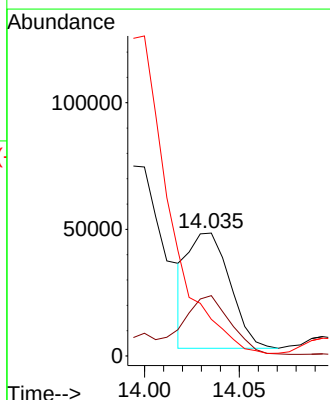
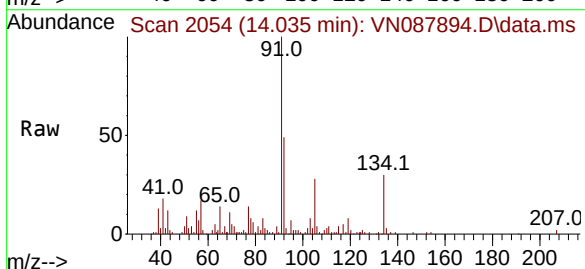
Tgt Ion: 91 Resp: 69948

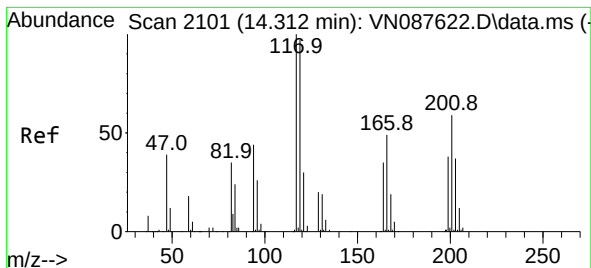
Ion Ratio Lower Upper

91 100

92 58.3 25.9 77.8

134 0.0 11.7 35.0#





#90

Hexachloroethane

Concen: 14.387 ug/l

RT: 14.306 min Scan# 2100

Delta R.T. -0.006 min

Lab File: VN087894.D

Acq: 18 Sep 2025 14:48

Instrument :

MSVOA_N

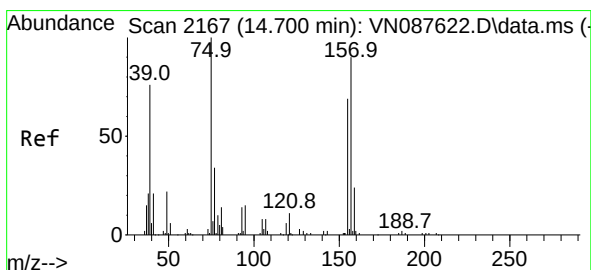
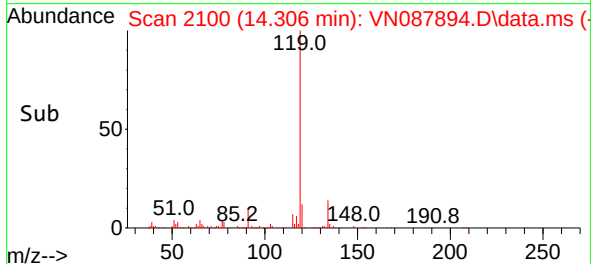
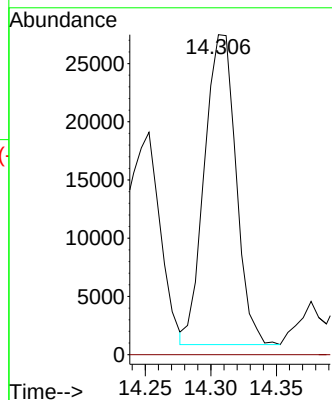
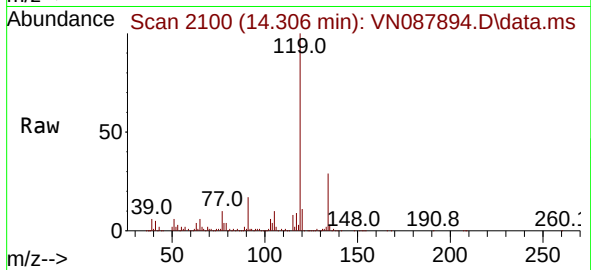
ClientSampleId :

Tgt Ion:117 Resp: 44528

Ion Ratio Lower Upper

117 100

201 0.0 29.1 87.4#



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.533 ug/l

RT: 14.712 min Scan# 2169

Delta R.T. 0.012 min

Lab File: VN087894.D

Acq: 18 Sep 2025 14:48

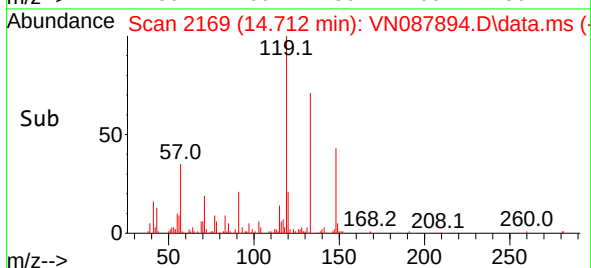
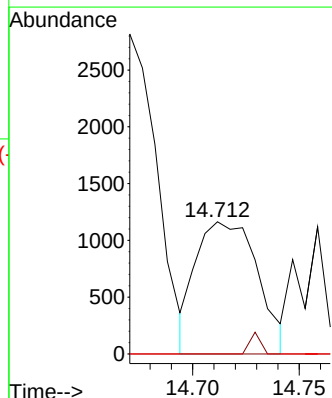
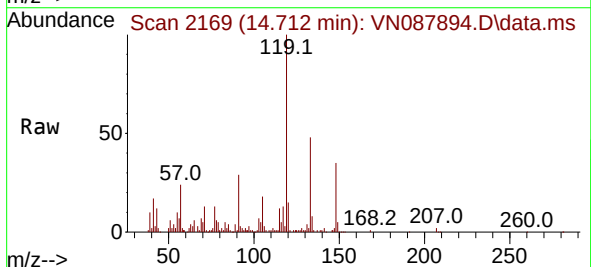
Tgt Ion: 75 Resp: 2352

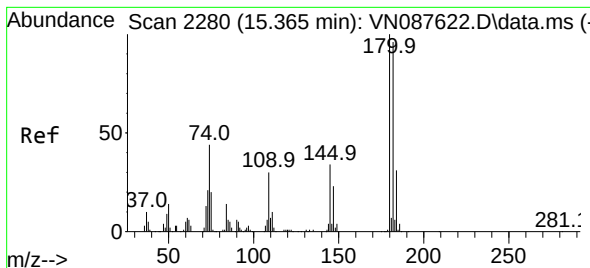
Ion Ratio Lower Upper

75 100

155 2.8 36.6 109.9#

157 0.0 45.6 136.9#





#93

1,2,4-Trichlorobenzene

Concen: 0.518 ug/l

RT: 15.365 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN087894.D

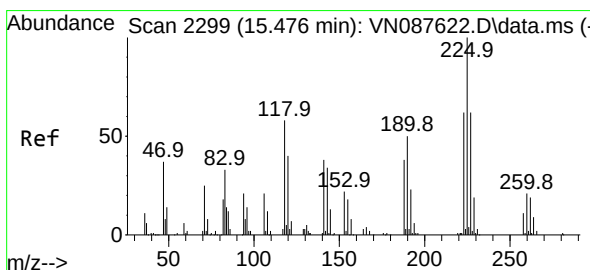
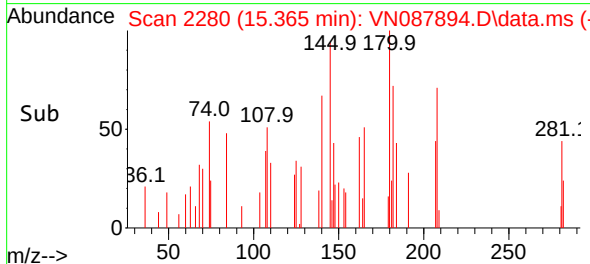
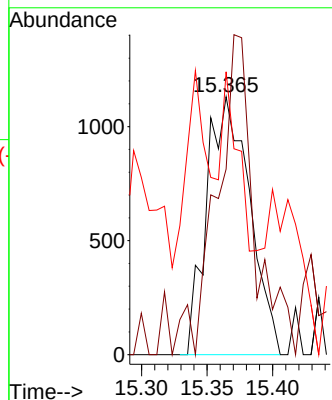
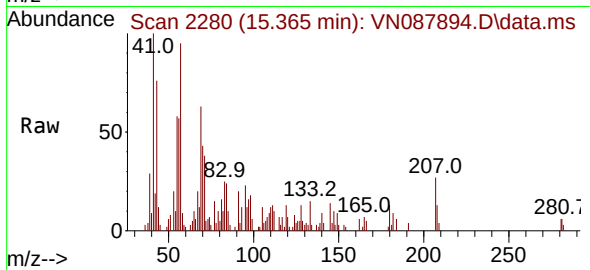
Acq: 18 Sep 2025 14:48

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	180	Resp:	2572
Ion Ratio	Lower	Upper	
180	100		
182	107.1	47.6	142.9
145	54.2	16.5	49.5#



#94

Hexachlorobutadiene

Concen: 1.052 ug/l

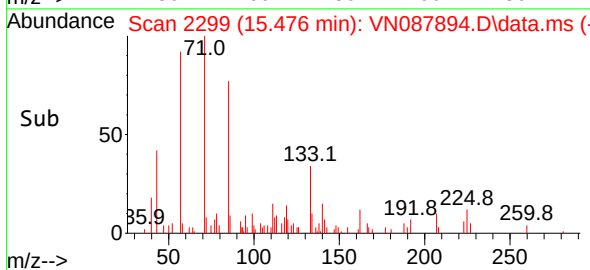
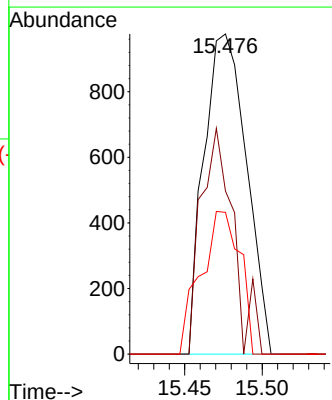
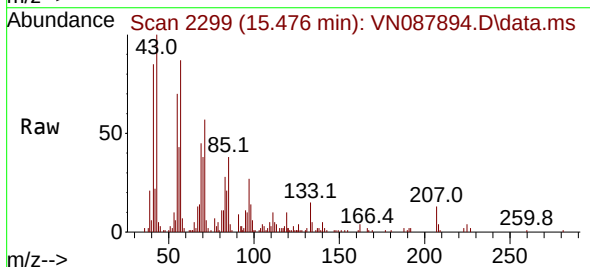
RT: 15.476 min Scan# 2299

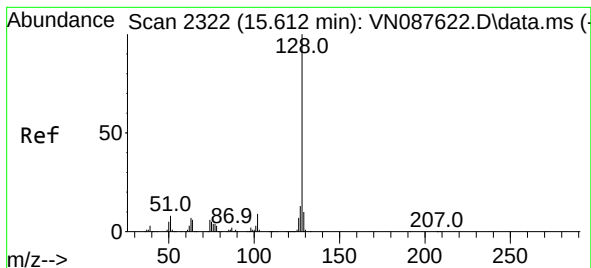
Delta R.T. 0.000 min

Lab File: VN087894.D

Acq: 18 Sep 2025 14:48

Tgt Ion:	225	Resp:	1860
Ion Ratio	Lower	Upper	
225	100		
223	53.6	32.0	96.2
227	41.3	32.1	96.5





#95

Naphthalene

Concen: 34.740 ug/l

RT: 15.612 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN087894.D

Acq: 18 Sep 2025 14:48

Instrument :

MSVOA_N

ClientSampleId :

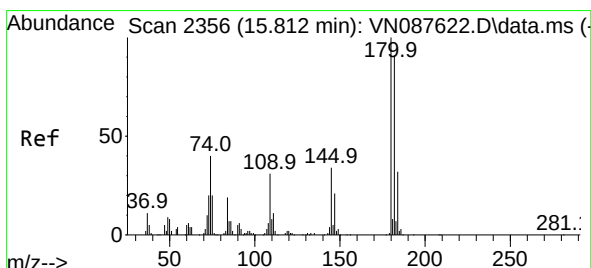
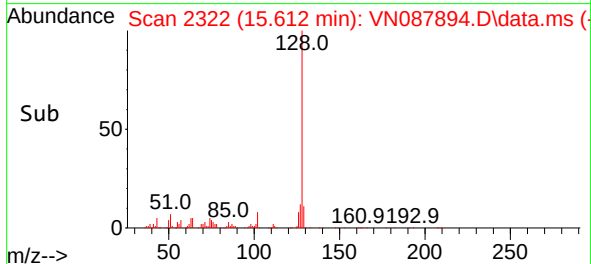
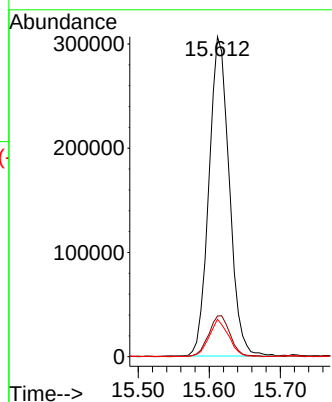
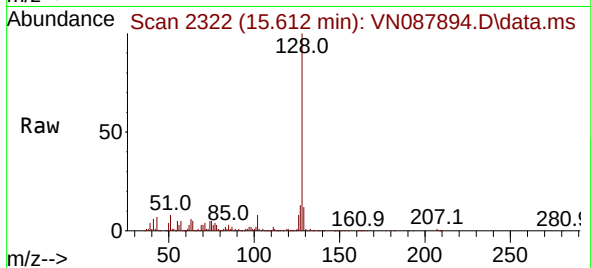
Tgt Ion:128 Resp: 610398

Ion Ratio Lower Upper

128 100

127 13.7 10.6 15.8

129 11.3 8.6 12.8



#96

1,2,3-Trichlorobenzene

Concen: 0.676 ug/l

RT: 15.812 min Scan# 2356

Delta R.T. 0.000 min

Lab File: VN087894.D

Acq: 18 Sep 2025 14:48

Tgt Ion:180 Resp: 3278

Ion Ratio Lower Upper

180 100

182 88.0 46.8 140.3

145 43.7 17.3 52.0

