

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103125\
 Data File : VN088190.D
 Acq On : 31 Oct 2025 15:44
 Operator : JC\MD
 Sample : Q3503-01
 Misc : 1.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 322

Quant Time: Nov 01 00:35:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 25 00:15:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.200	168	259977	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.077	114	588015	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	529963	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	258205	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.553	65	269581	59.966	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 119.940%	
35) Dibromofluoromethane	8.147	113	197517	50.000	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.000%	
50) Toluene-d8	10.541	98	764548	50.229	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.460%	
62) 4-Bromofluorobenzene	12.829	95	268898	50.022	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 100.040%	

Target Compounds				Qvalue		
5) Bromomethane	2.965	94	656	0.292	ug/l #	15
10) Methyl Iodide	4.559	142	1921	4.787	ug/l #	64
13) Acrolein	4.165	56	274	0.315	ug/l #	28
15) Acrylonitrile	5.789	53	670	0.318	ug/l #	21
16) Acetone	4.424	43	932	0.413	ug/l #	47
18) Methyl Acetate	5.012	43	2954	0.639	ug/l #	82
20) Methylene Chloride	5.253	84	617	0.946	ug/l #	78
25) 2-Butanone	7.465	43	1070	0.359	ug/l #	50
31) Cyclohexane	8.224	56	46140	7.332	ug/l #	87
36) 1,1-Dichloropropene	8.206	75	25074	4.347	ug/l #	55
38) Carbon Tetrachloride	8.194	117	31398	5.271	ug/l #	17
39) Methylcyclohexane	9.577	83	92160	12.431	ug/l	97
40) Benzene	8.588	78	22324	1.271	ug/l	99
43) Isopropyl Acetate	8.671	43	8894	0.778	ug/l #	58
45) 1,2-Dichloropropane	9.582	63	1634	0.368	ug/l #	1
47) Bromodichloromethane	9.759	83	2056	0.325	ug/l #	23
48) Methyl methacrylate	9.700	41	3443	0.652	ug/l #	42
51) 4-Methyl-2-Pentanone	10.471	43	9719	1.436	ug/l	88
52) Toluene	10.606	92	621831	57.416	ug/l	97
53) t-1,3-Dichloropropene	10.606	75	8785	1.303	ug/l #	1
55) 1,1,2-Trichloroethane	10.982	97	44712	10.882	ug/l #	23
56) Ethyl methacrylate	10.841	69	5311	0.817	ug/l #	44
59) 2-Hexanone	11.147	43	61433	13.686	ug/l #	31
67) Ethyl Benzene	11.941	91	443755	21.008	ug/l	100
68) m/p-Xylenes	12.047	106	539253	68.135	ug/l	100
69) o-Xylene	12.376	106	234765	31.291	ug/l	97
70) Styrene	12.371	104	15318	1.252	ug/l #	1
71) Bromoform	12.553	173	787	0.267	ug/l #	28
73) Isopropylbenzene	12.676	105	91802	4.610	ug/l	99
74) N-amyl acetate	12.459	43	146251	25.870	ug/l #	61
75) 1,1,2,2-Tetrachloroethane	12.841	83	20299	3.274	ug/l	84
76) 1,2,3-Trichloropropane	13.070	75	10227	1.732	ug/l #	1
78) n-propylbenzene	13.018	91	330042	13.580	ug/l	98
79) 2-Chlorotoluene	12.829	91	11522	0.831	ug/l	72
80) 1,3,5-Trimethylbenzene	13.153	105	322606	19.505	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.829	75	158680	74.982	ug/l #	1

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

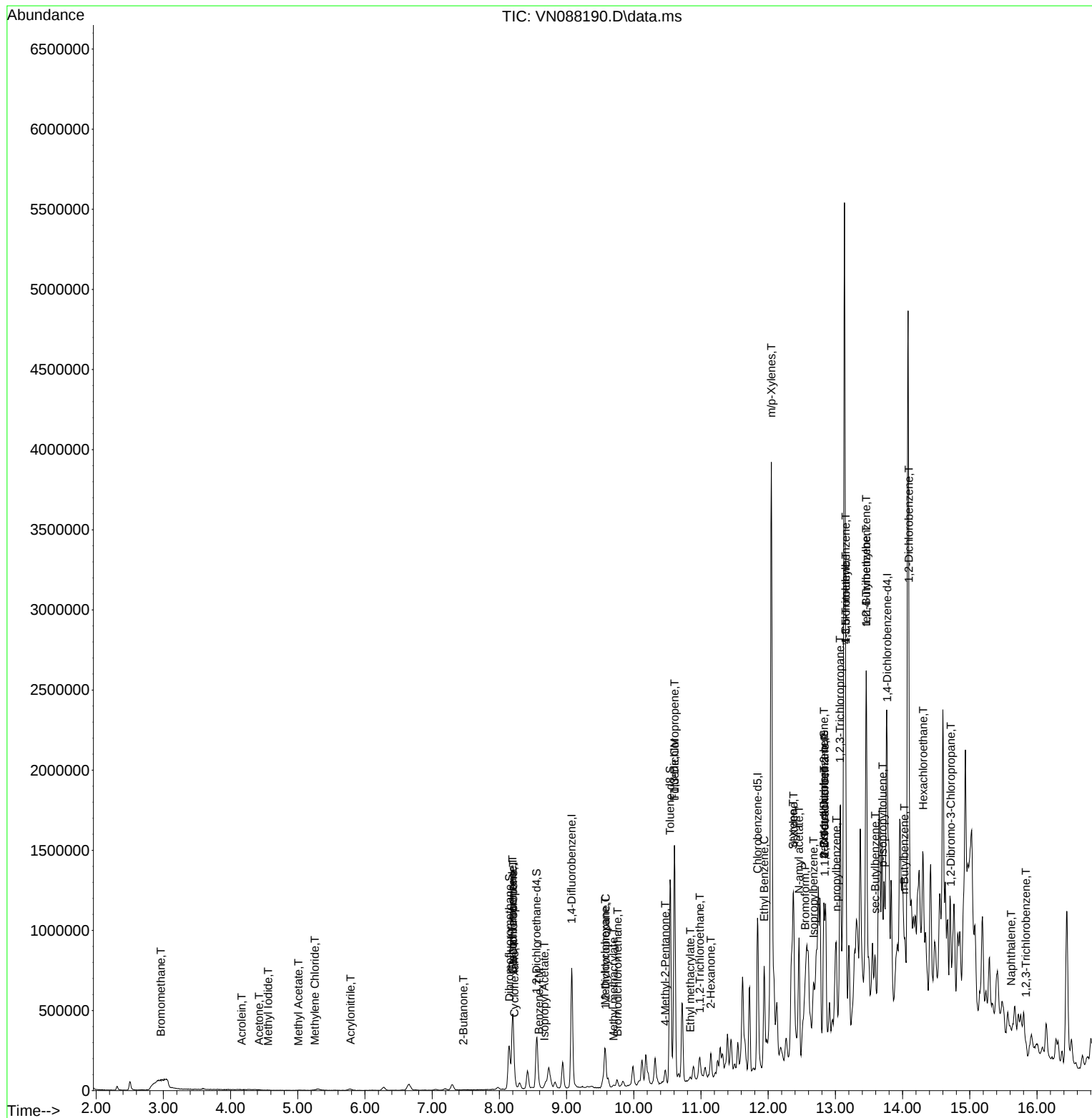
82) 4-Chlorotoluene	13.153	91	42507	2.835	ug/l #	46
83) tert-Butylbenzene	13.459	119	157688	10.673	ug/l #	71
84) 1,2,4-Trimethylbenzene	13.459	105	1270168	76.758	ug/l	99
85) sec-Butylbenzene	13.594	105	115492	5.321	ug/l	82
86) p-Isopropyltoluene	13.706	119	80687	4.634	ug/l	92
89) n-Butylbenzene	14.029	91	177865	10.312	ug/l #	80
90) Hexachloroethane	14.306	117	32475	9.630	ug/l #	23
91) 1,2-Dichlorobenzene	14.094	146	2103	0.254	ug/l #	1
92) 1,2-Dibromo-3-Chloropr...	14.717	75	826	0.572	ug/l #	33
95) Naphthalene	15.617	128	67472	3.935	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.835	180	2454	0.511	ug/l #	13

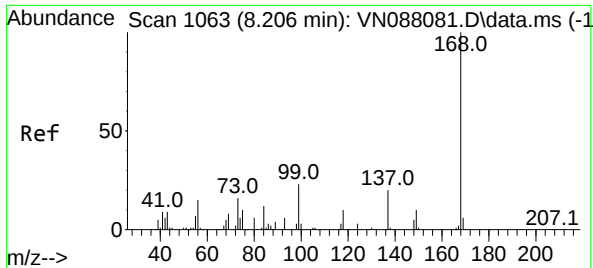
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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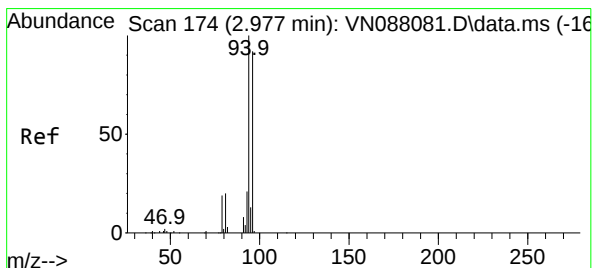
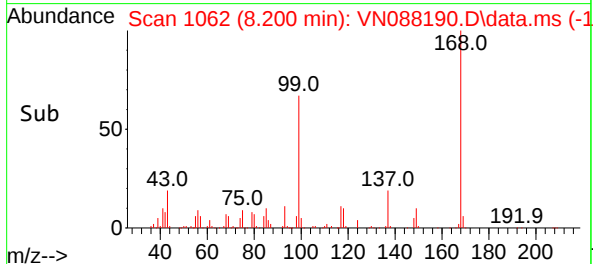
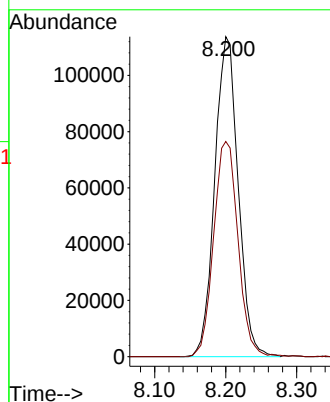
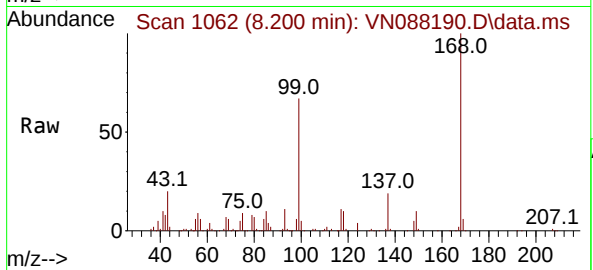




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.200 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN088190.D
Acq: 31 Oct 2025 15:44

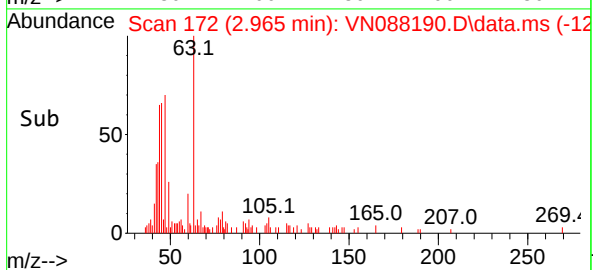
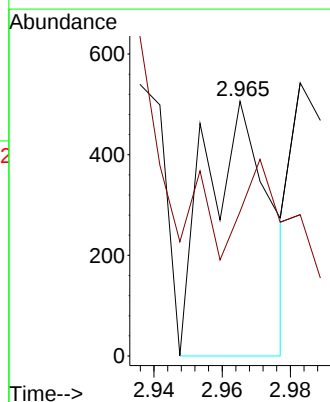
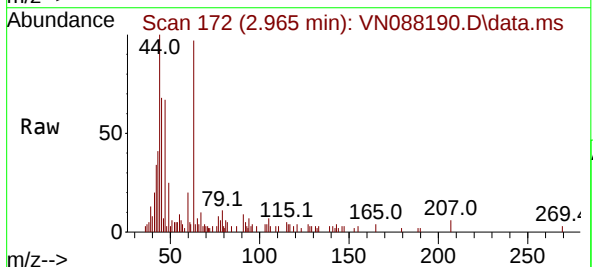
Instrument :
MSVOA_N
ClientSampleId :
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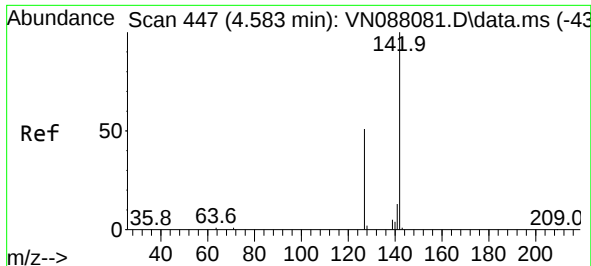
Tgt Ion:168 Resp: 259977
Ion Ratio Lower Upper
168 100
99 67.3 57.2 85.8



#5
Bromomethane
Concen: 0.292 ug/l
RT: 2.965 min Scan# 172
Delta R.T. -0.006 min
Lab File: VN088190.D
Acq: 31 Oct 2025 15:44

Tgt Ion: 94 Resp: 656
Ion Ratio Lower Upper
94 100
96 11.9 75.4 113.2#

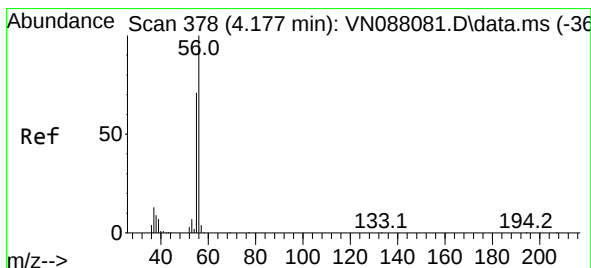
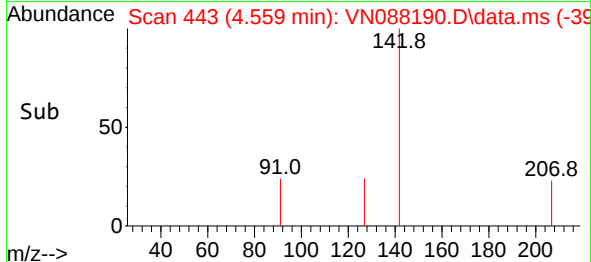
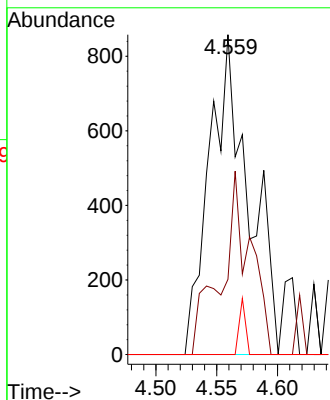
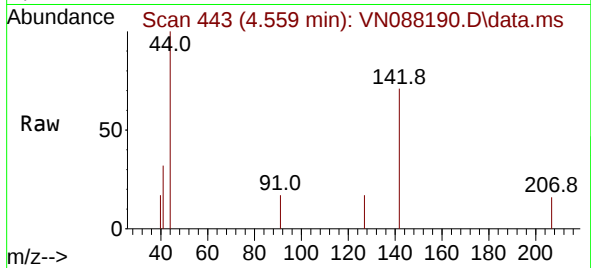




#10
Methyl Iodide
Concen: 4.787 ug/l
RT: 4.559 min Scan# 443
Delta R.T. -0.018 min
Lab File: VN088190.D
Acq: 31 Oct 2025 15:44

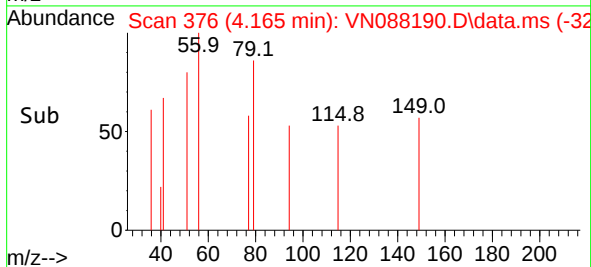
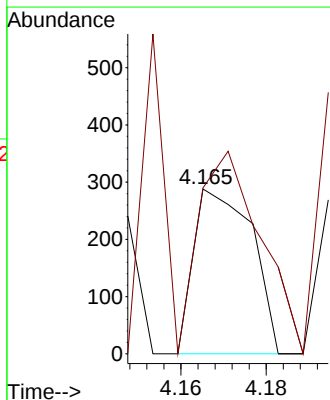
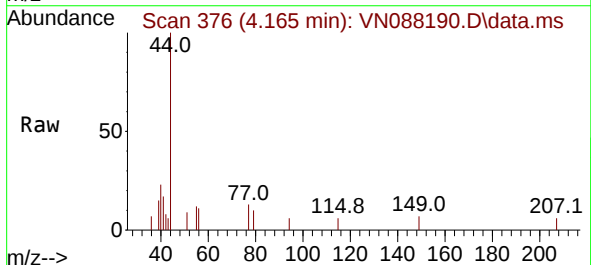
Instrument :
MSVOA_N
ClientSampleId :
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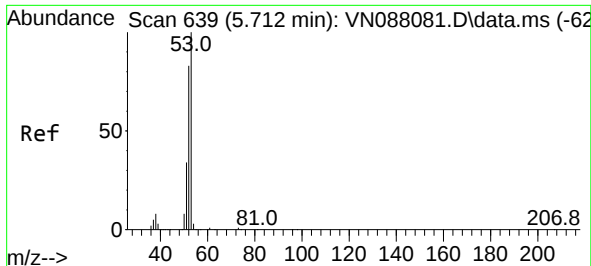
Tgt Ion:142 Resp: 1921
Ion Ratio Lower Upper
142 100
127 23.5 38.0 57.0#
141 0.0 12.0 18.0#



#13
Acrolein
Concen: 0.315 ug/l
RT: 4.165 min Scan# 376
Delta R.T. -0.006 min
Lab File: VN088190.D
Acq: 31 Oct 2025 15:44

Tgt Ion: 56 Resp: 274
Ion Ratio Lower Upper
56 100
55 131.4 57.3 85.9#

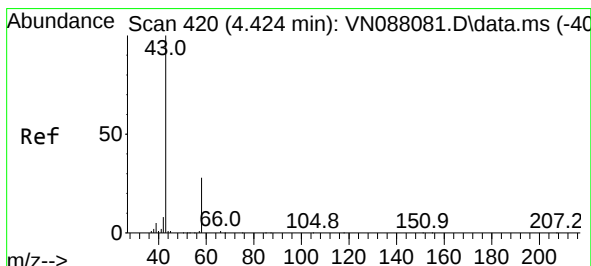
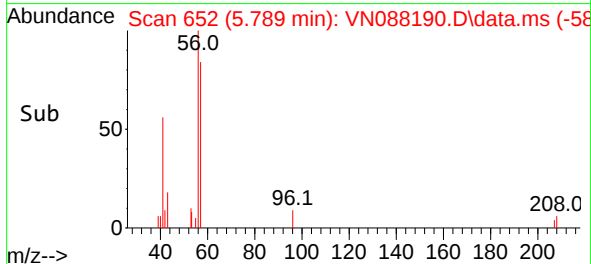
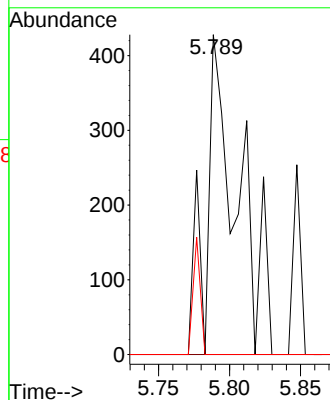
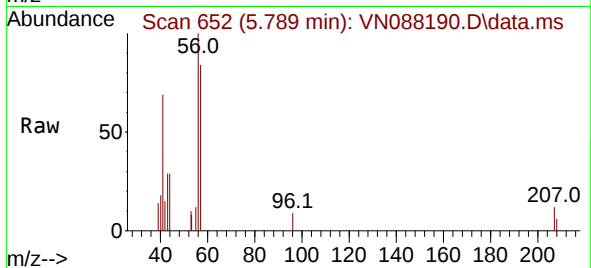




#15
Acrylonitrile
Concen: 0.318 ug/l
RT: 5.789 min Scan# 611
Delta R.T. 0.082 min
Lab File: VN088190.D
Acq: 31 Oct 2025 15:44

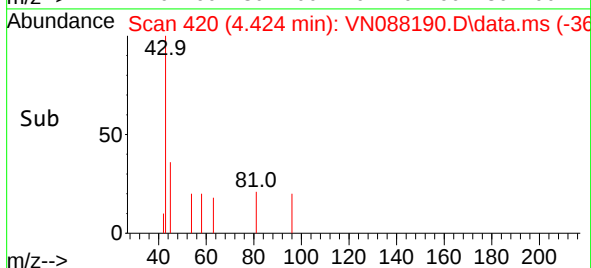
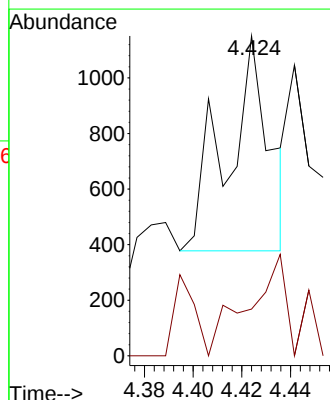
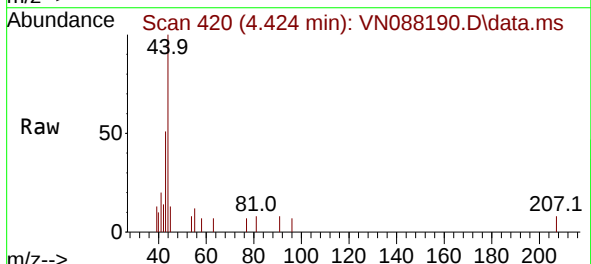
Instrument :
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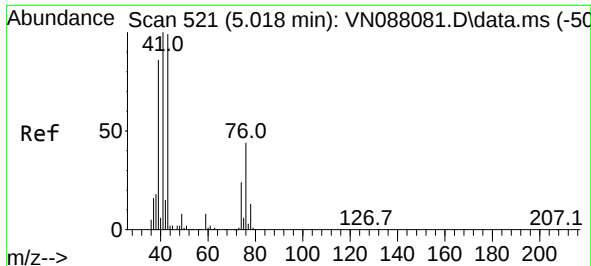
Tgt Ion: 53 Resp: 670
Ion Ratio Lower Upper
53 100
52 0.0 67.6 101.4#
51 8.2 30.1 45.1#



#16
Acetone
Concen: 0.413 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN088190.D
Acq: 31 Oct 2025 15:44

Tgt Ion: 43 Resp: 932
Ion Ratio Lower Upper
43 100
58 0.0 22.6 33.8#

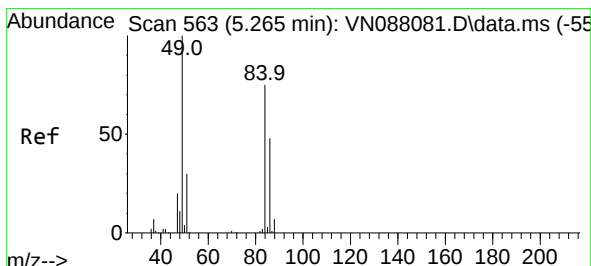
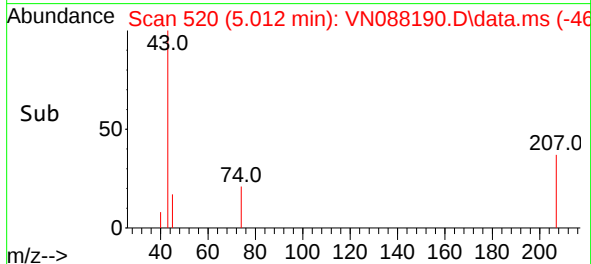
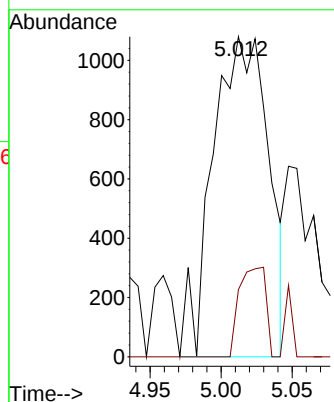
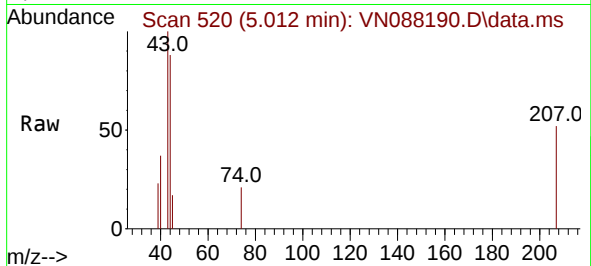




#18
Methyl Acetate
Concen: 0.639 ug/l
RT: 5.012 min Scan# 511
Delta R.T. -0.000 min
Lab File: VN088190.D
Acq: 31 Oct 2025 15:44

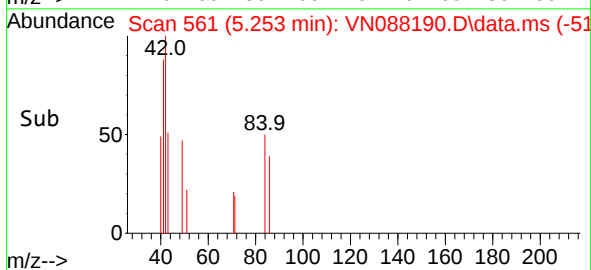
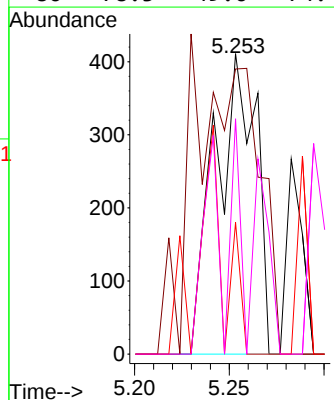
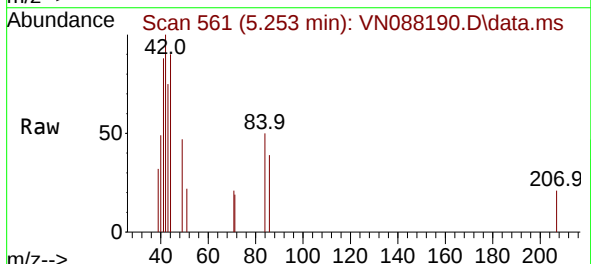
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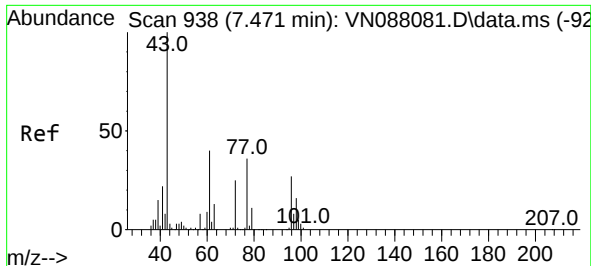
Tgt Ion: 43 Resp: 2954
Ion Ratio Lower Upper
43 100
74 13.3 17.6 26.4#



#20
Methylene Chloride
Concen: 0.946 ug/l
RT: 5.253 min Scan# 561
Delta R.T. -0.012 min
Lab File: VN088190.D
Acq: 31 Oct 2025 15:44

Tgt Ion: 84 Resp: 617
Ion Ratio Lower Upper
84 100
49 94.9 103.4 155.2#
51 43.8 33.8 50.8
86 78.3 49.6 74.4#

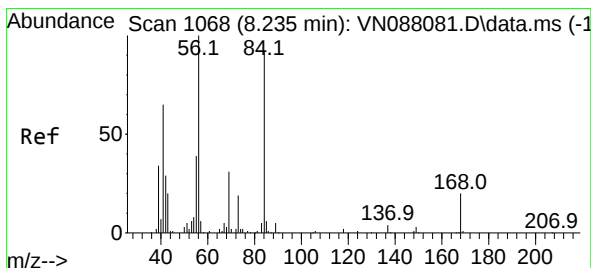
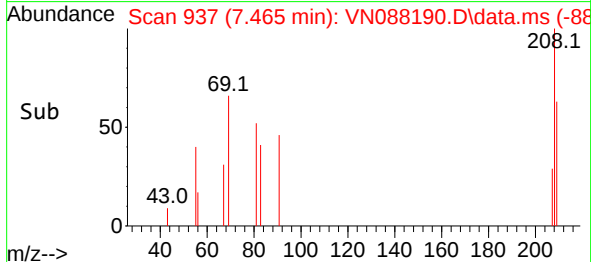
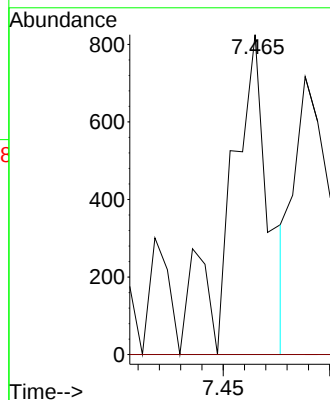
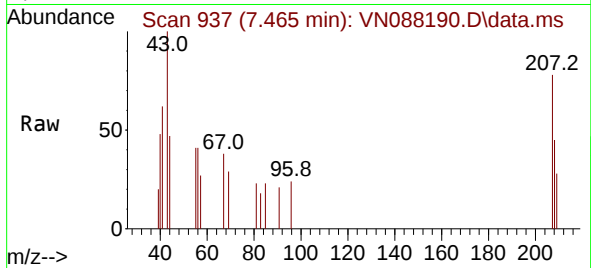




#25
2-Butanone
Concen: 0.359 ug/l
RT: 7.465 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN088190.D
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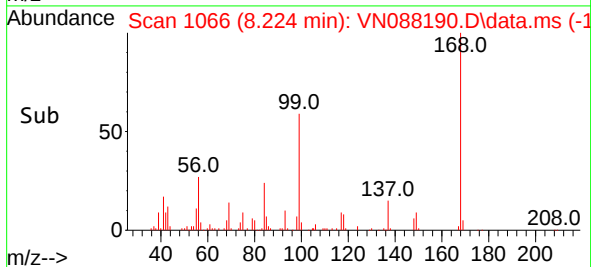
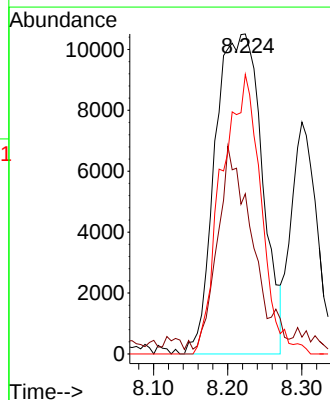
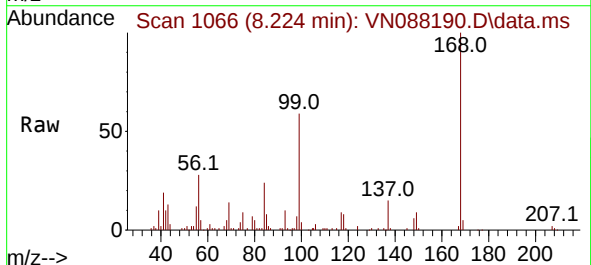
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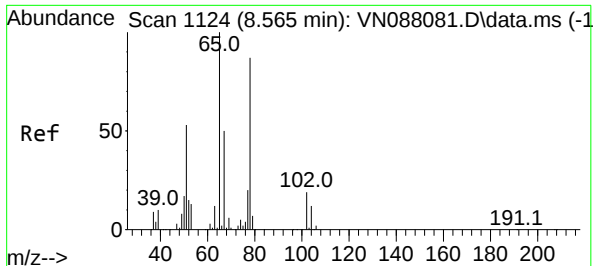
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Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#



#31
Cyclohexane
Concen: 7.332 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.012 min
Lab File: VN088190.D
Acq: 31 Oct 2025 15:44

Tgt Ion: 56 Resp: 46140
Ion Ratio Lower Upper
56 100
69 45.7 23.7 35.5#
84 87.4 64.7 97.1





#33

1,2-Dichloroethane-d4

Concen: 59.966 ug/l

RT: 8.553 min Scan# 1122

Delta R.T. -0.006 min

Lab File: VN088190.D

Acq: 31 Oct 2025 15:44

Instrument :

MSVOA_N

ClientSampleId :

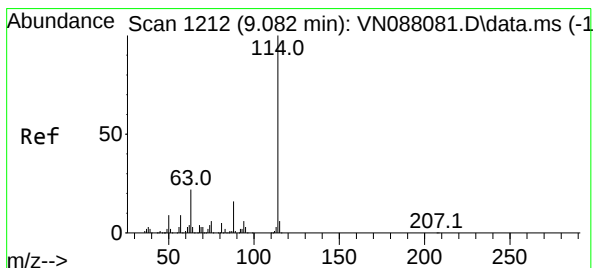
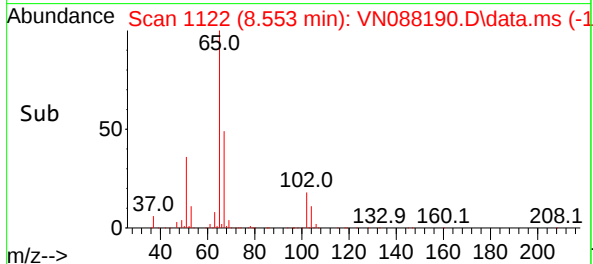
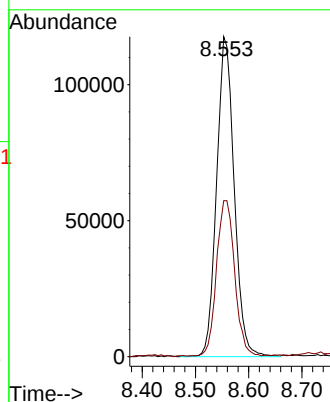
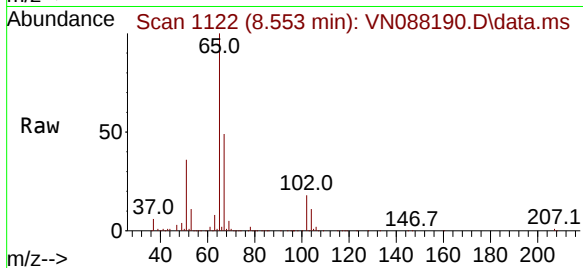
322

Tgt Ion: 65 Resp: 269581

Ion Ratio Lower Upper

65 100

67 50.2 0.0 100.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.077 min Scan# 1211

Delta R.T. -0.006 min

Lab File: VN088190.D

Acq: 31 Oct 2025 15:44

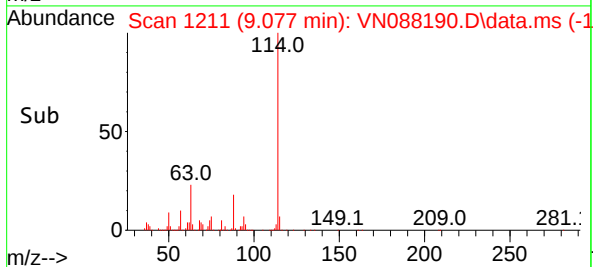
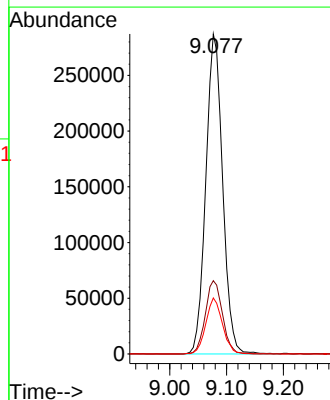
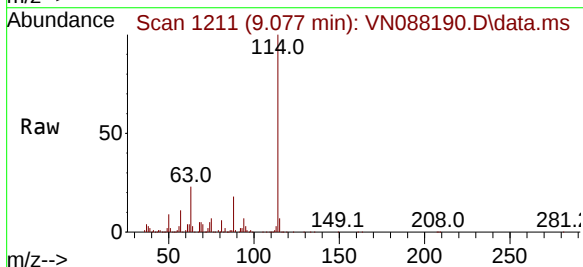
Tgt Ion: 114 Resp: 588015

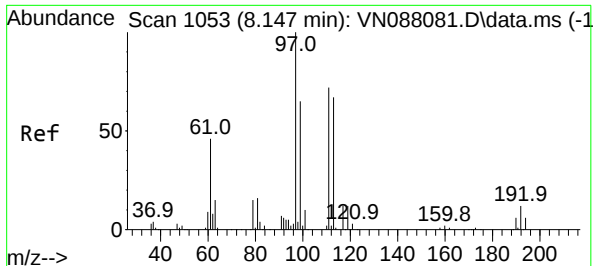
Ion Ratio Lower Upper

114 100

63 22.9 0.0 45.2

88 17.5 0.0 33.4

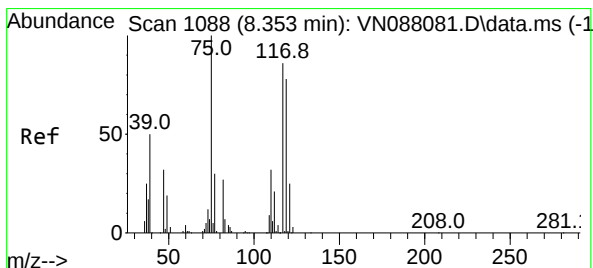
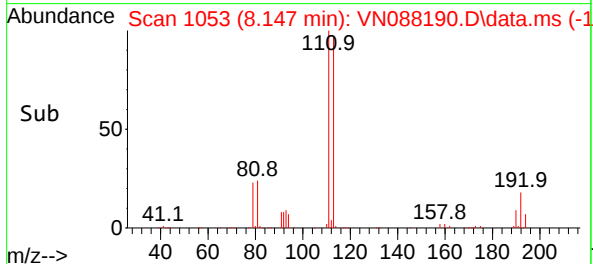
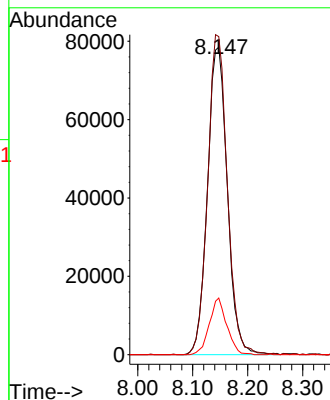
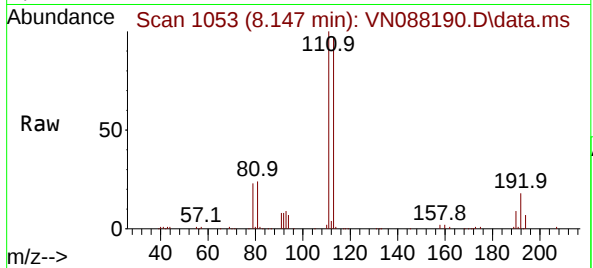




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN088190.D
Acq: 31 Oct 2025 15:44

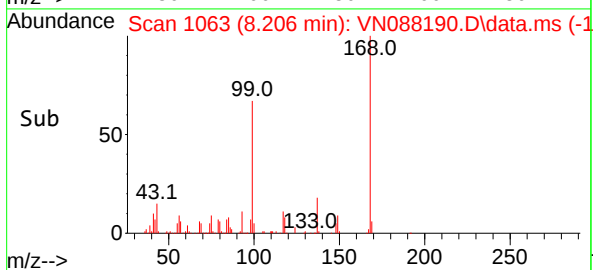
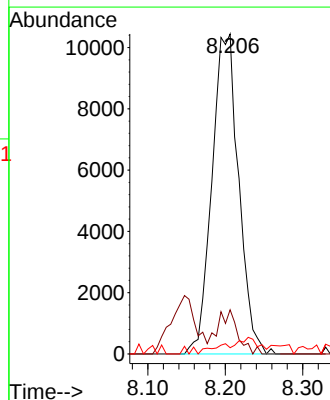
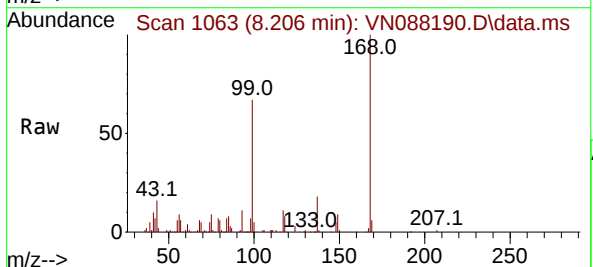
Instrument :
MSVOA_N
ClientSampleId :
322

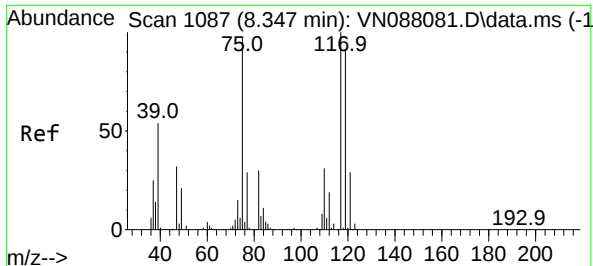
Tgt Ion:113 Resp: 197517
Ion Ratio Lower Upper
113 100
111 102.5 82.8 124.2
192 16.2 12.8 19.2



#36
1,1-Dichloropropene
Concen: 4.347 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.147 min
Lab File: VN088190.D
Acq: 31 Oct 2025 15:44

Tgt Ion: 75 Resp: 25074
Ion Ratio Lower Upper
75 100
110 10.5 15.9 47.6#
77 2.2 24.4 36.6#

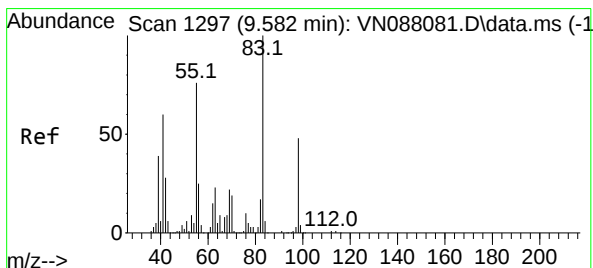
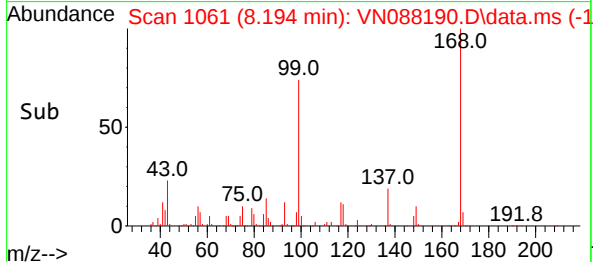
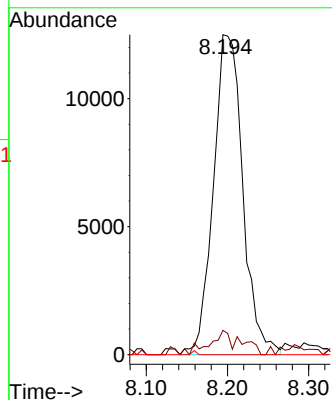
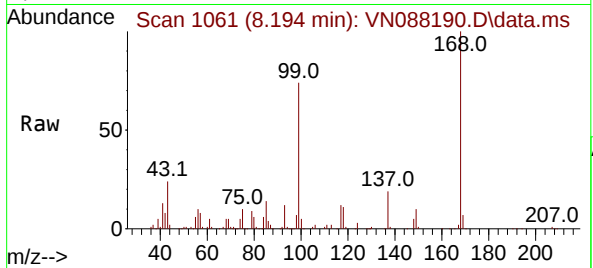




#38
Carbon Tetrachloride
Concen: 5.271 ug/l
RT: 8.194 min Scan# 1061
Delta R.T. -0.147 min
Lab File: VN088190.D
Acq: 31 Oct 2025 15:44

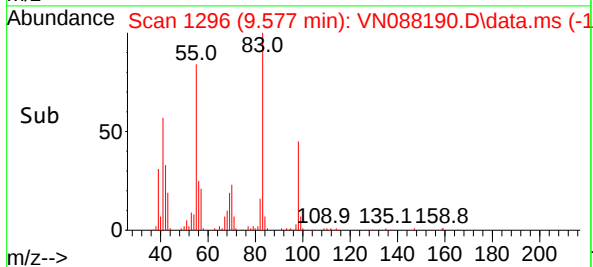
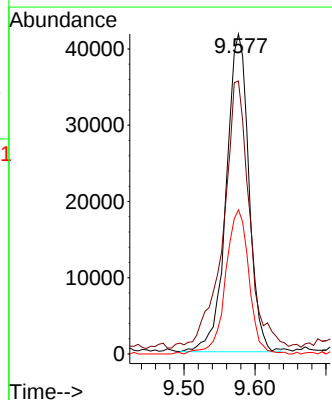
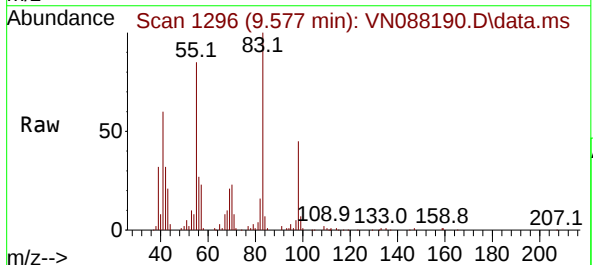
Instrument :
MSVOA_N
ClientSampleId :
322

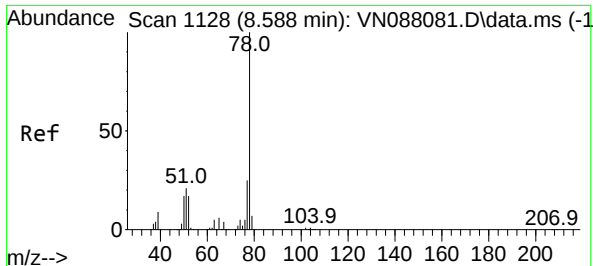
Tgt Ion:117 Resp: 31398
Ion Ratio Lower Upper
117 100
119 7.6 79.0 118.6#
121 0.0 25.0 37.6#



#39
Methylcyclohexane
Concen: 12.431 ug/l
RT: 9.577 min Scan# 1296
Delta R.T. -0.006 min
Lab File: VN088190.D
Acq: 31 Oct 2025 15:44

Tgt Ion: 83 Resp: 92160
Ion Ratio Lower Upper
83 100
55 82.5 64.6 96.8
98 44.9 38.4 57.6

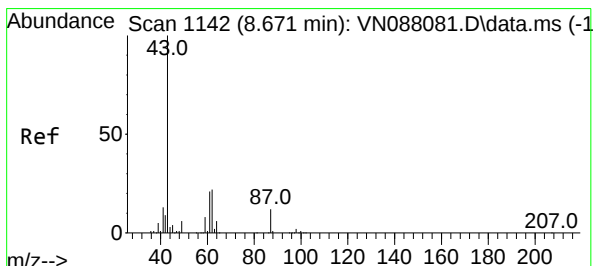
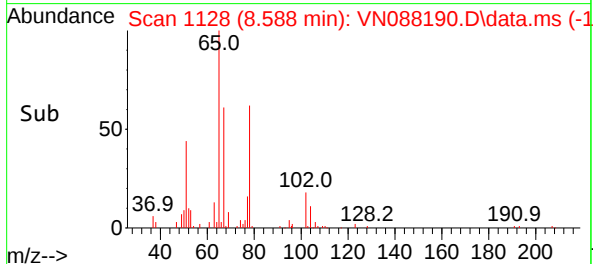
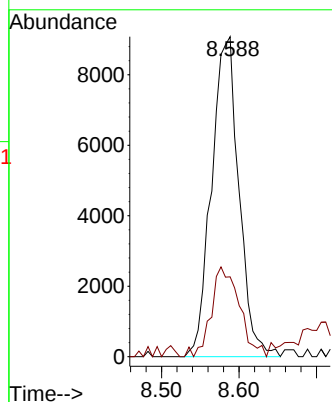
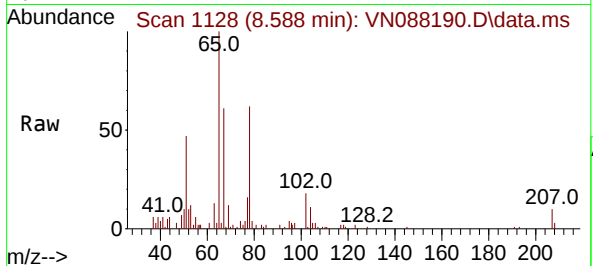




#40
Benzene
Concen: 1.271 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN088190.D
Acq: 31 Oct 2025 15:44

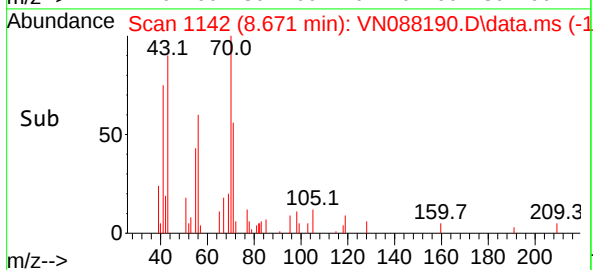
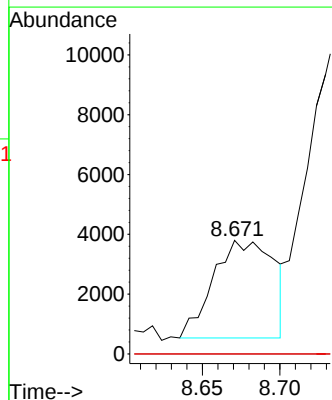
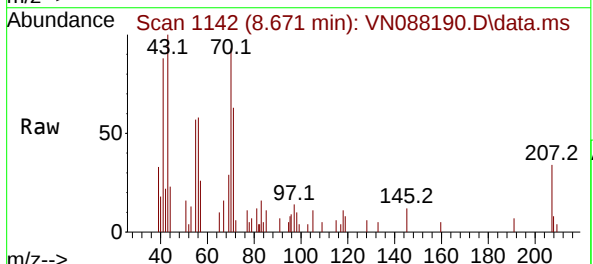
Instrument :
MSVOA_N
ClientSampleId :
322

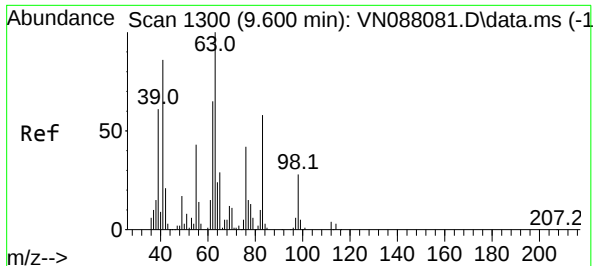
Tgt Ion: 78 Resp: 22324
Ion Ratio Lower Upper
78 100
77 25.0 19.7 29.5



#43
Isopropyl Acetate
Concen: 0.778 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN088190.D
Acq: 31 Oct 2025 15:44

Tgt Ion: 43 Resp: 8894
Ion Ratio Lower Upper
43 100
61 0.0 18.8 28.2#
87 0.0 9.6 14.4#





#45

1,2-Dichloropropane

Concen: 0.368 ug/l

RT: 9.582 min Scan# 1300

Delta R.T. -0.018 min

Lab File: VN088190.D

Acq: 31 Oct 2025 15:44

Instrument :

MSVOA_N

ClientSampleId :

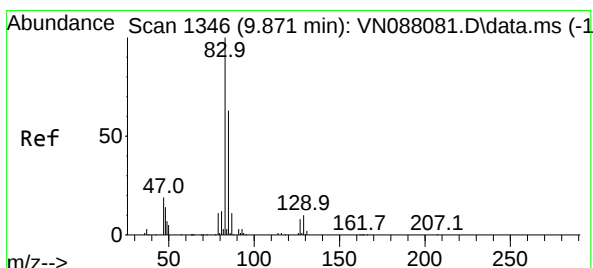
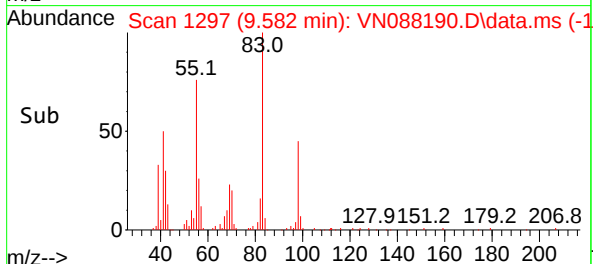
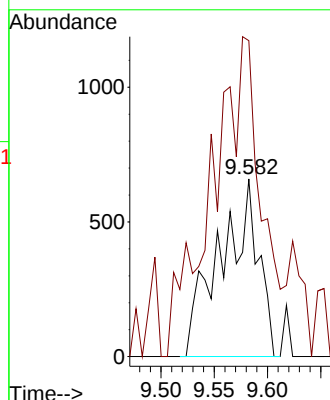
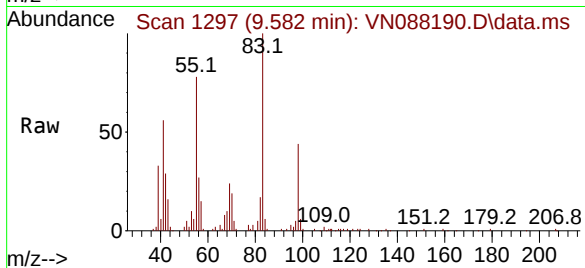
322

Tgt Ion: 63 Resp: 1634

Ion Ratio Lower Upper

63 100

65 140.0 25.0 37.4#



#47

Bromodichloromethane

Concen: 0.325 ug/l

RT: 9.759 min Scan# 1327

Delta R.T. -0.112 min

Lab File: VN088190.D

Acq: 31 Oct 2025 15:44

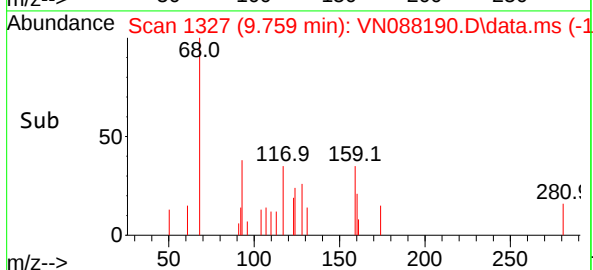
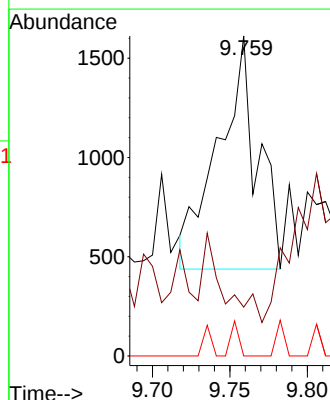
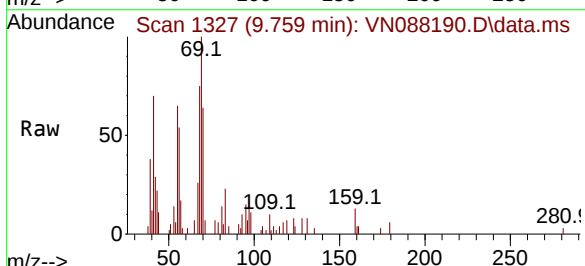
Tgt Ion: 83 Resp: 2056

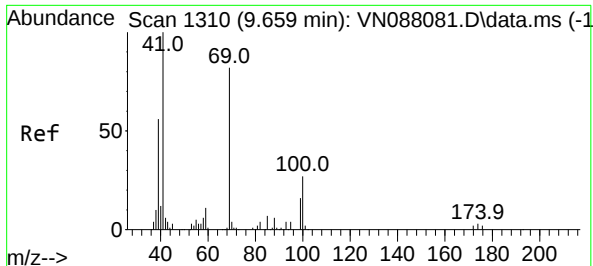
Ion Ratio Lower Upper

83 100

85 0.0 52.5 78.7#

127 0.0 5.8 8.6#





#48

Methyl methacrylate

Concen: 0.652 ug/l

RT: 9.700 min Scan# 11

Delta R.T. 0.035 min

Lab File: VN088190.D

Acq: 31 Oct 2025 15:44

Instrument :

MSVOA_N

ClientSampleId :

322

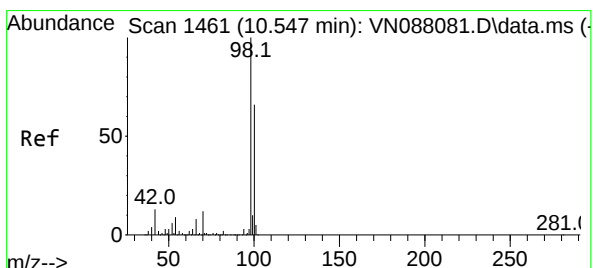
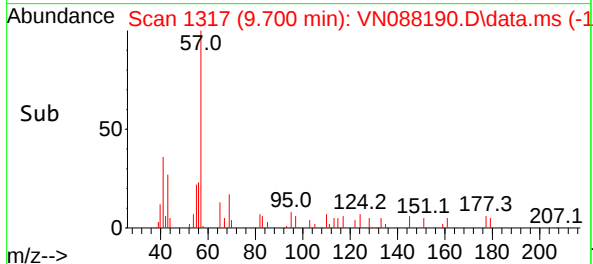
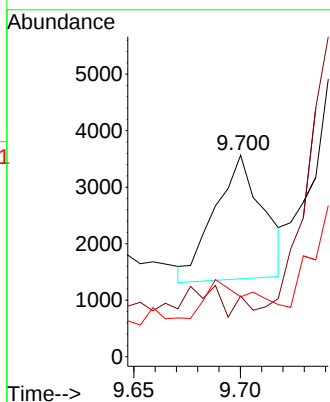
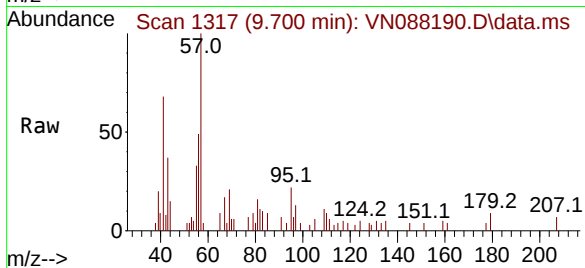
Tgt Ion: 41 Resp: 3443

Ion Ratio Lower Upper

41 100

69 0.0 62.7 94.1#

39 49.5 52.9 79.3#



#50

Toluene-d8

Concen: 50.229 ug/l

RT: 10.541 min Scan# 1460

Delta R.T. -0.006 min

Lab File: VN088190.D

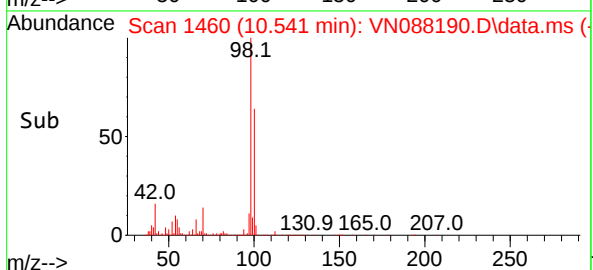
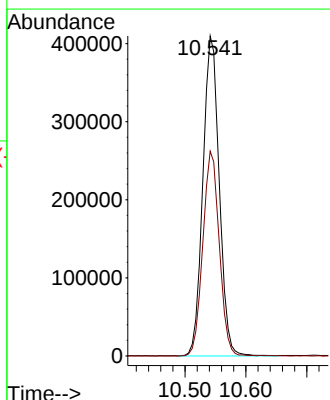
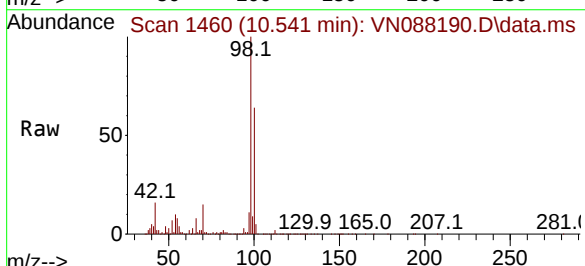
Acq: 31 Oct 2025 15:44

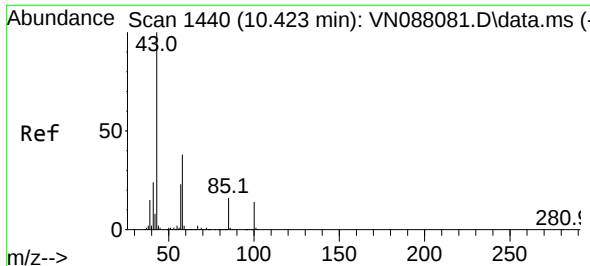
Tgt Ion: 98 Resp: 764548

Ion Ratio Lower Upper

98 100

100 64.1 52.8 79.2

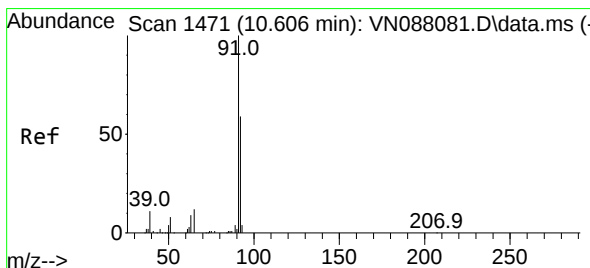
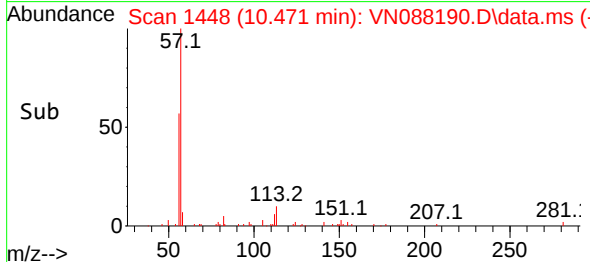
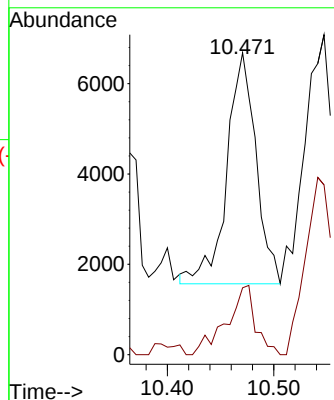
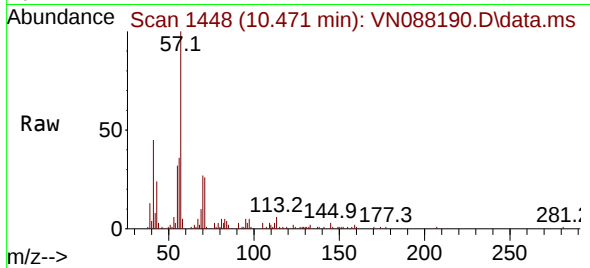




#51
4-Methyl-2-Pentanone
Concen: 1.436 ug/l
RT: 10.471 min Scan# 1448
Delta R.T. 0.047 min
Lab File: VN088190.D
Acq: 31 Oct 2025 15:44

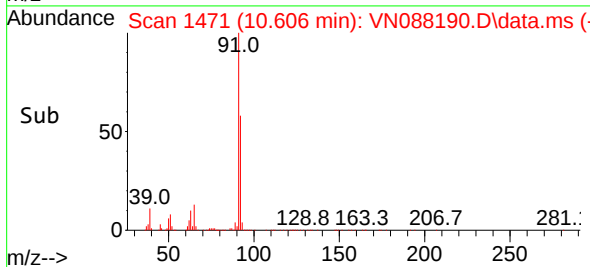
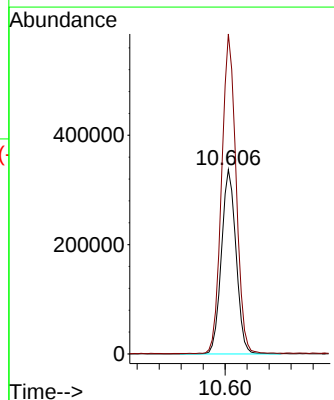
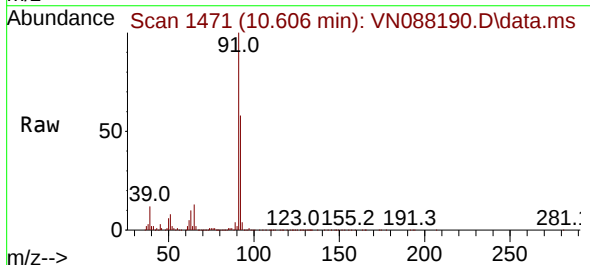
Instrument :
MSVOA_N
ClientSampleId :
322

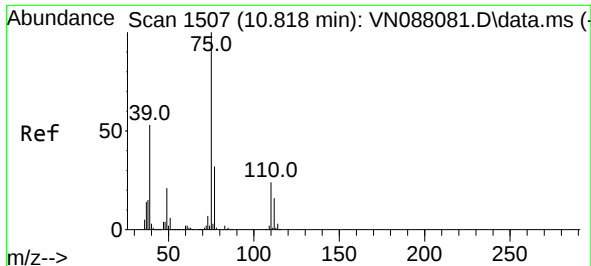
Tgt Ion: 43 Resp: 9719
Ion Ratio Lower Upper
43 100
58 29.8 29.6 44.4



#52
Toluene
Concen: 57.416 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VN088190.D
Acq: 31 Oct 2025 15:44

Tgt Ion: 92 Resp: 621831
Ion Ratio Lower Upper
92 100
91 171.4 140.4 210.6

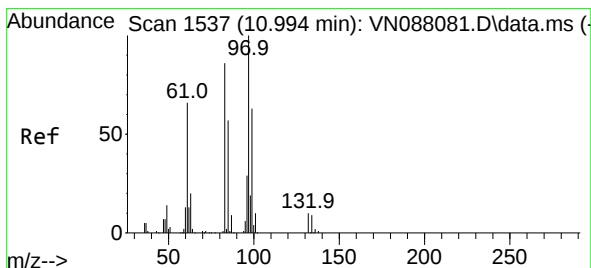
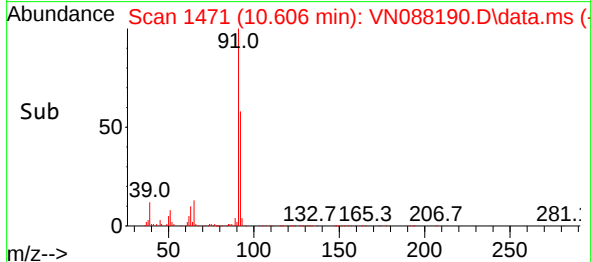
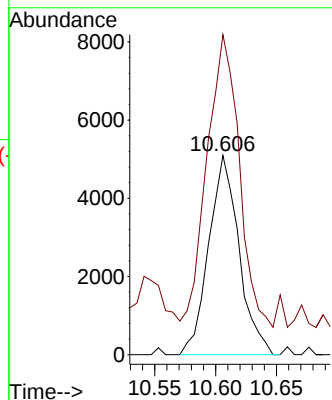
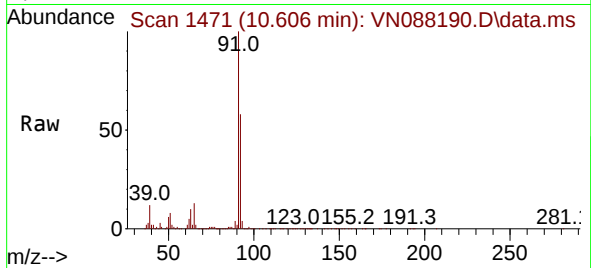




#53
t-1,3-Dichloropropene
Concen: 1.303 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. -0.212 min
Lab File: VN088190.D
Acq: 31 Oct 2025 15:44

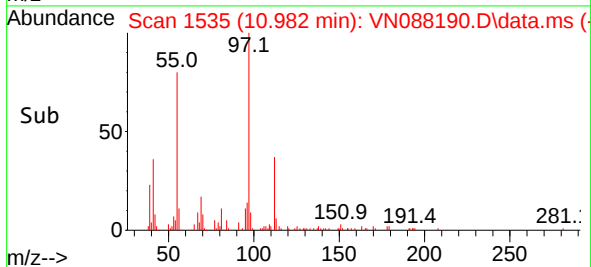
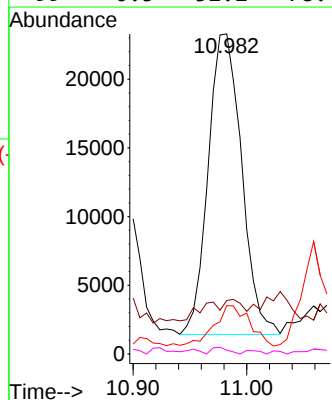
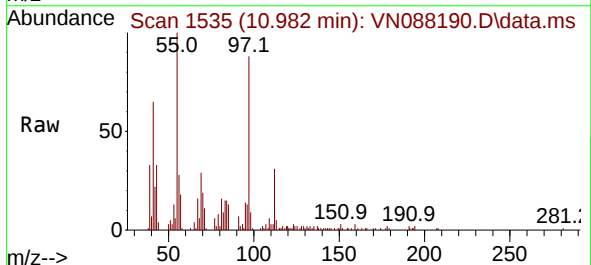
Instrument :
MSVOA_N
ClientSampleId :
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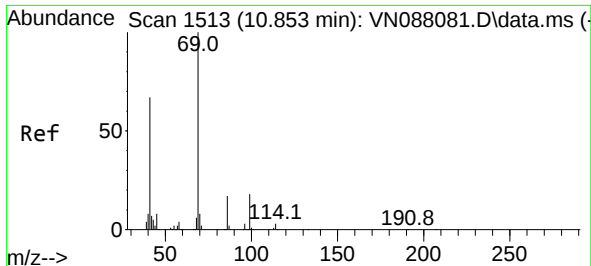
Tgt Ion: 75 Resp: 8785
Ion Ratio Lower Upper
75 100
77 143.7 25.2 37.8#



#55
1,1,2-Trichloroethane
Concen: 10.882 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. -0.012 min
Lab File: VN088190.D
Acq: 31 Oct 2025 15:44

Tgt Ion: 97 Resp: 44712
Ion Ratio Lower Upper
97 100
83 6.8 68.2 102.4#
85 13.2 45.5 68.3#
99 0.5 52.2 78.4#

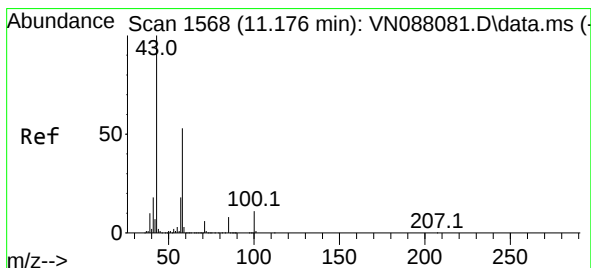
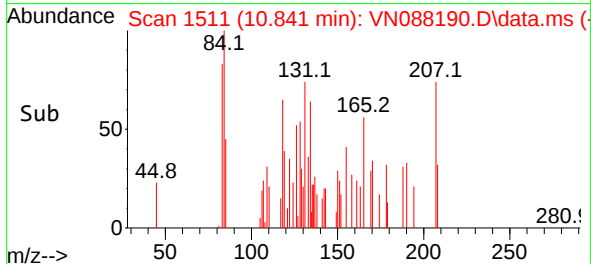
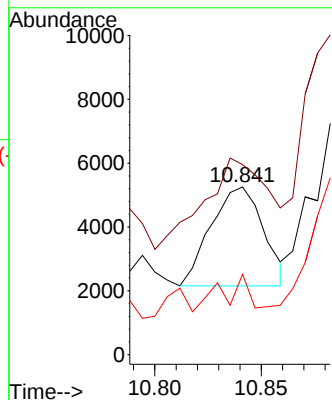
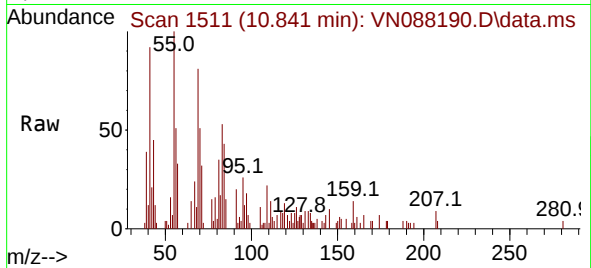




#56
Ethyl methacrylate
Concen: 0.817 ug/l
RT: 10.841 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN088190.D
Acq: 31 Oct 2025 15:44

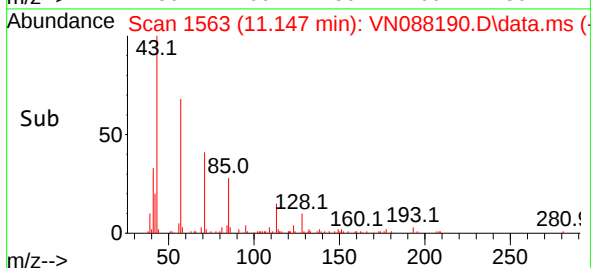
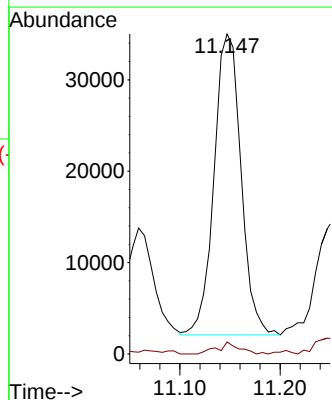
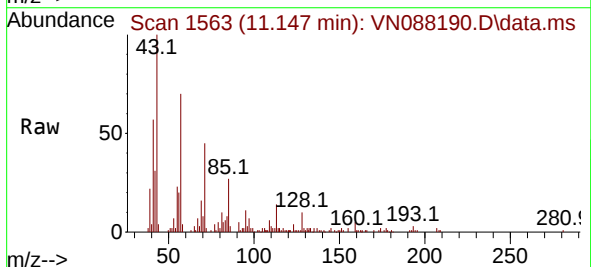
Instrument :
MSVOA_N
ClientSampleId :
322

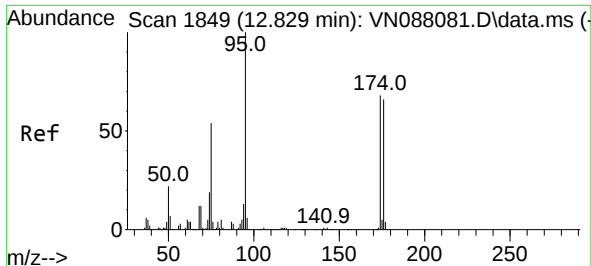
Tgt Ion: 69 Resp: 5311
Ion Ratio Lower Upper
69 100
41 111.1 56.5 84.7#
39 0.0 34.2 51.4#



#59
2-Hexanone
Concen: 13.686 ug/l
RT: 11.147 min Scan# 1563
Delta R.T. -0.029 min
Lab File: VN088190.D
Acq: 31 Oct 2025 15:44

Tgt Ion: 43 Resp: 61433
Ion Ratio Lower Upper
43 100
58 3.2 25.9 77.8#

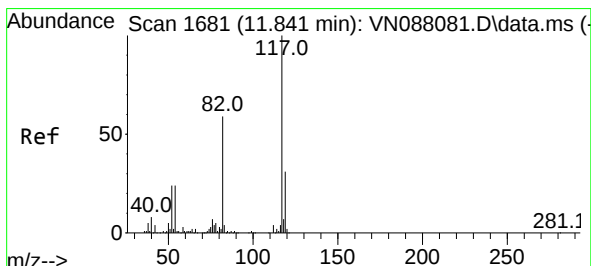
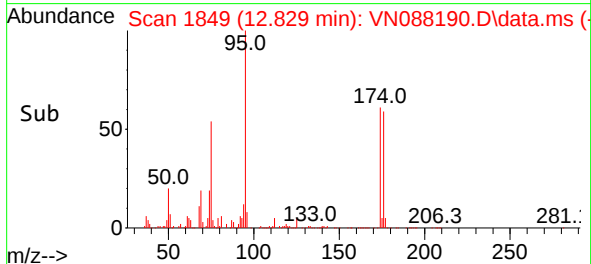
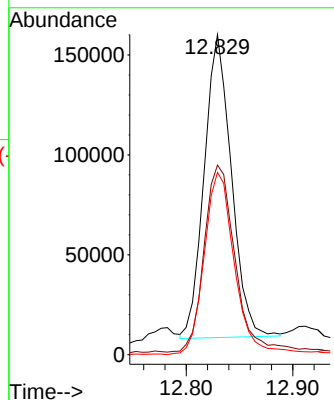
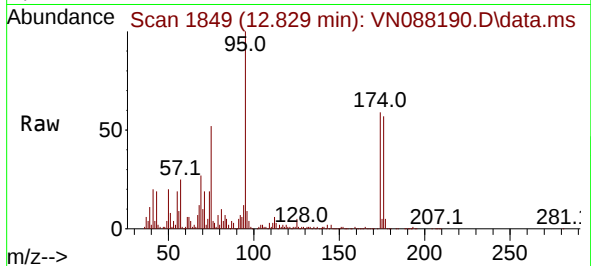




#62
4-Bromofluorobenzene
Concen: 50.022 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088190.D
Acq: 31 Oct 2025 15:44

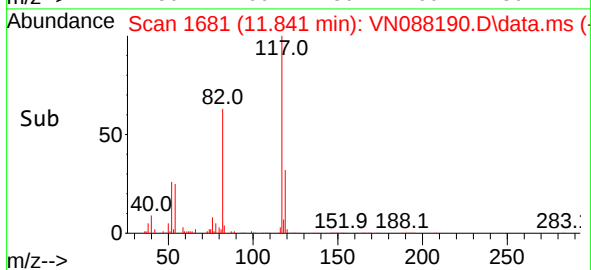
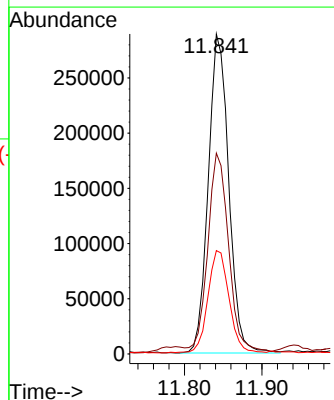
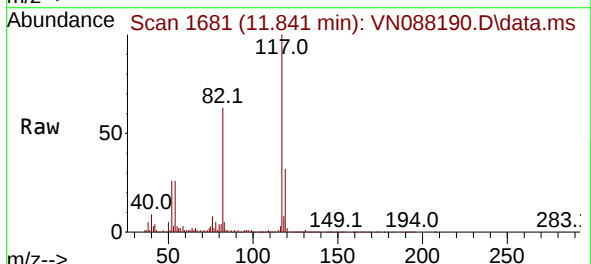
Instrument :
MSVOA_N
ClientSampleId :
322

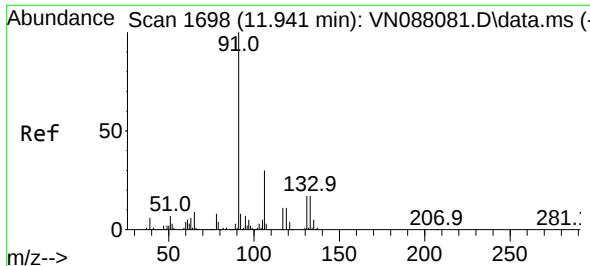
Tgt Ion: 95 Resp: 268898
Ion Ratio Lower Upper
95 100
174 71.0 0.0 138.4
176 68.3 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VN088190.D
Acq: 31 Oct 2025 15:44

Tgt Ion: 117 Resp: 529963
Ion Ratio Lower Upper
117 100
82 61.4 47.4 71.2
119 31.8 24.3 36.5

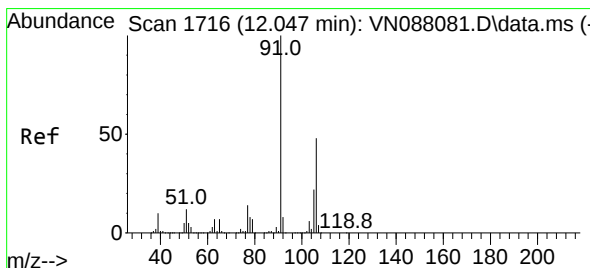
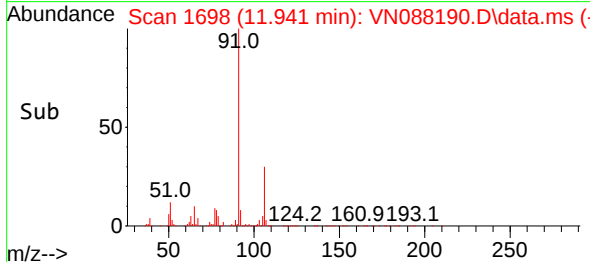
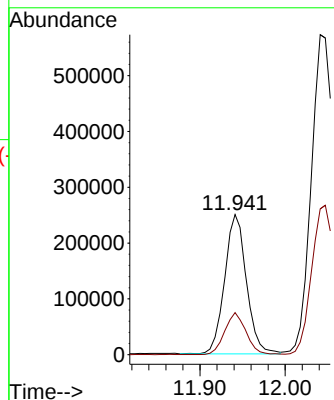
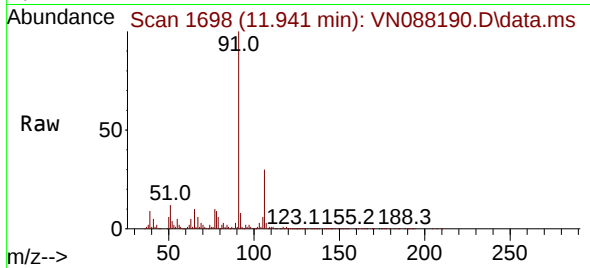




#67
Ethyl Benzene
Concen: 21.008 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VN088190.D
Acq: 31 Oct 2025 15:44

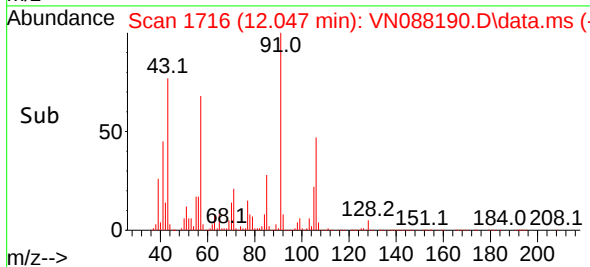
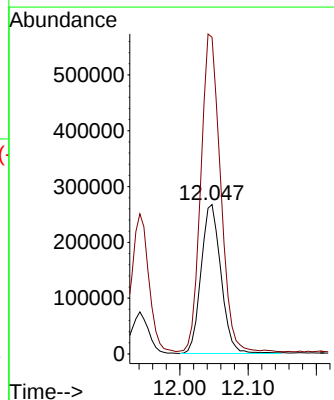
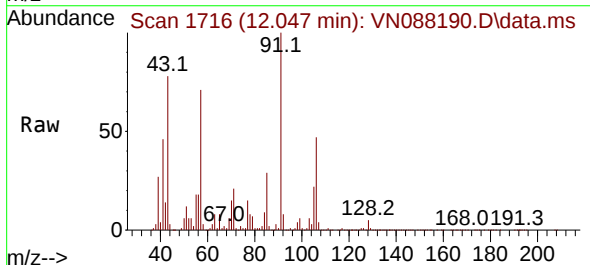
Instrument :
MSVOA_N
ClientSampleId :
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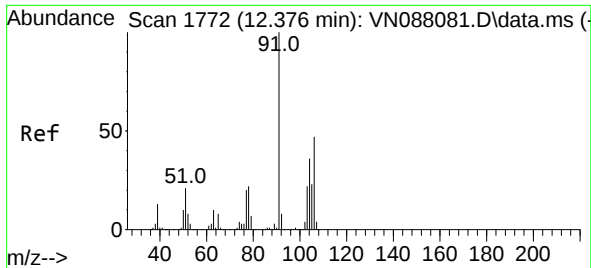
Tgt Ion: 91 Resp: 443755
Ion Ratio Lower Upper
91 100
106 30.1 24.1 36.1



#68
m/p-Xylenes
Concen: 68.135 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VN088190.D
Acq: 31 Oct 2025 15:44

Tgt Ion:106 Resp: 539253
Ion Ratio Lower Upper
106 100
91 210.9 169.3 253.9

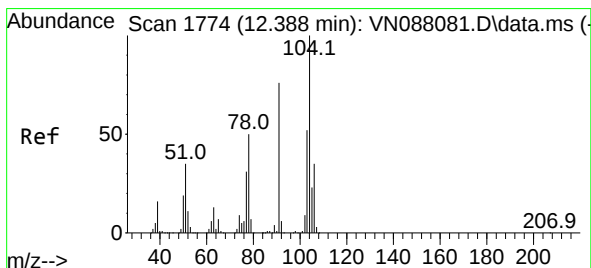
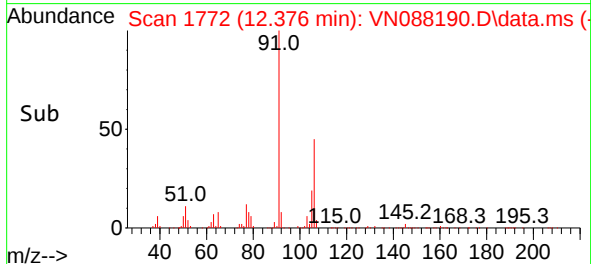
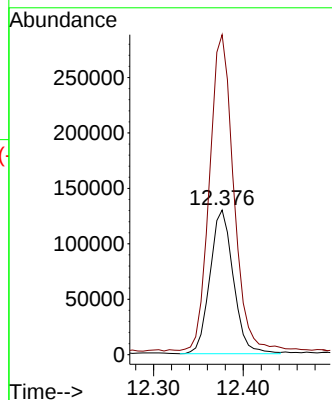
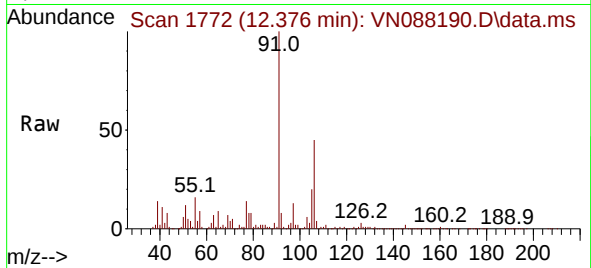




#69
o-Xylene
Concen: 31.291 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VN088190.D
Acq: 31 Oct 2025 15:44

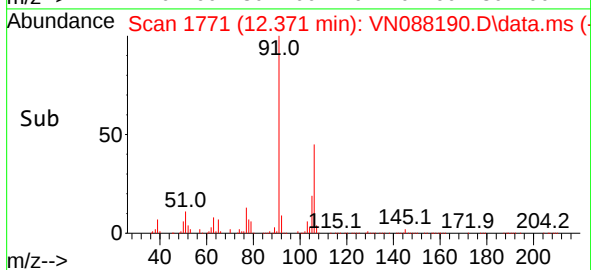
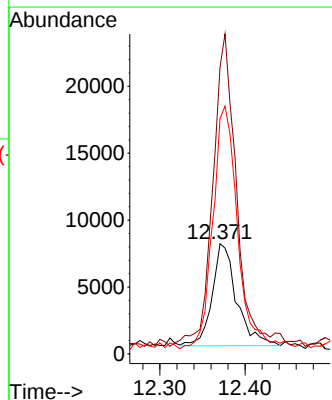
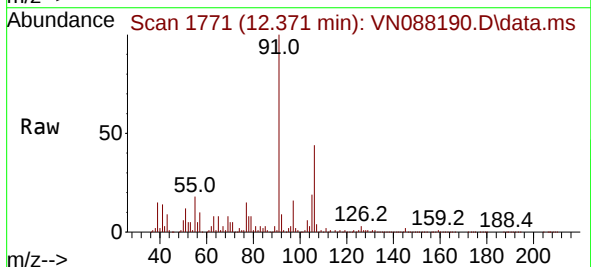
Instrument :
MSVOA_N
ClientSampleId :
322

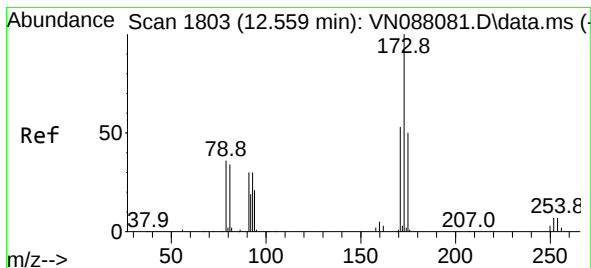
Tgt Ion:106 Resp: 234765
Ion Ratio Lower Upper
106 100
91 228.4 111.4 334.2



#70
Styrene
Concen: 1.252 ug/l
RT: 12.371 min Scan# 1771
Delta R.T. -0.018 min
Lab File: VN088190.D
Acq: 31 Oct 2025 15:44

Tgt Ion:104 Resp: 15318
Ion Ratio Lower Upper
104 100
78 289.6 42.2 63.2#
103 242.2 43.4 65.2#





#71

Bromoform

Concen: 0.267 ug/l

RT: 12.553 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN088190.D

Acq: 31 Oct 2025 15:44

Instrument :

MSVOA_N

ClientSampleId :

322

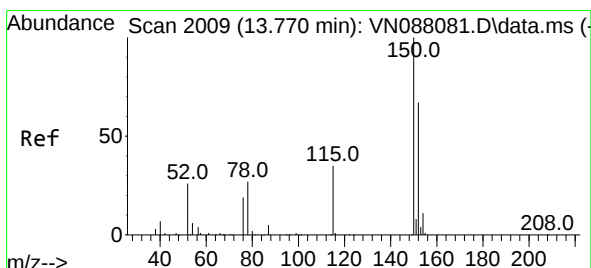
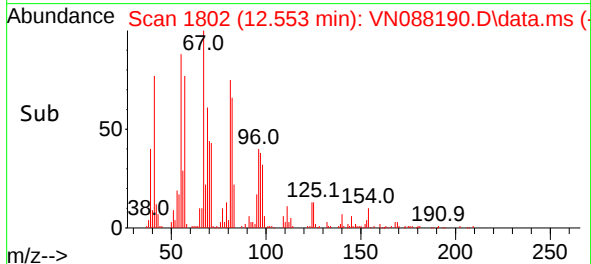
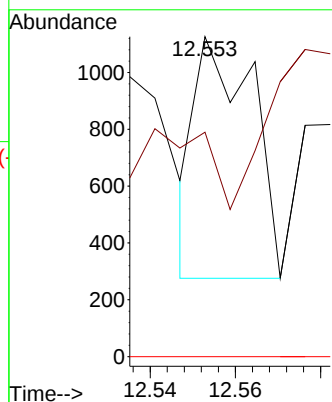
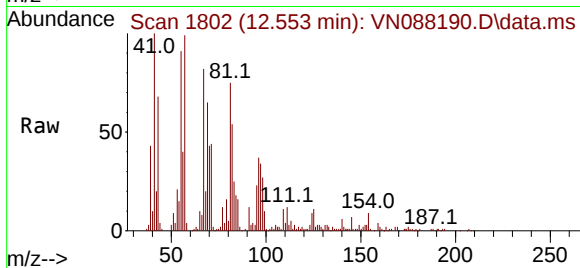
Tgt Ion:173 Resp: 787

Ion Ratio Lower Upper

173 100

175 0.0 24.9 74.6#

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.770 min Scan# 2009

Delta R.T. 0.006 min

Lab File: VN088190.D

Acq: 31 Oct 2025 15:44

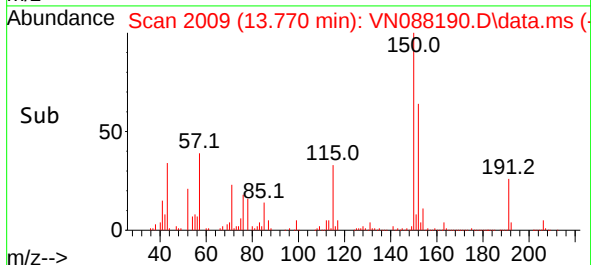
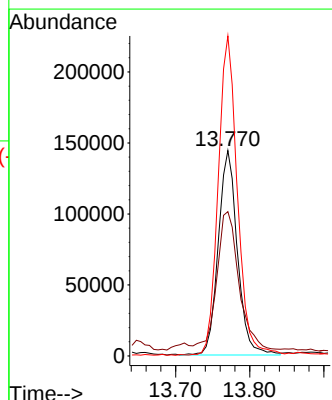
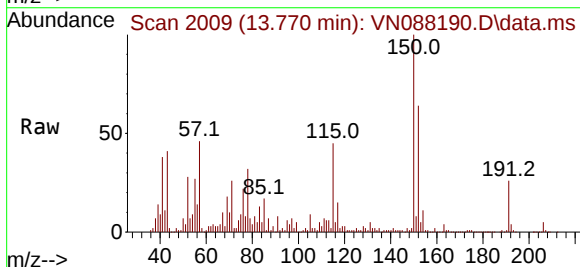
Tgt Ion:152 Resp: 258205

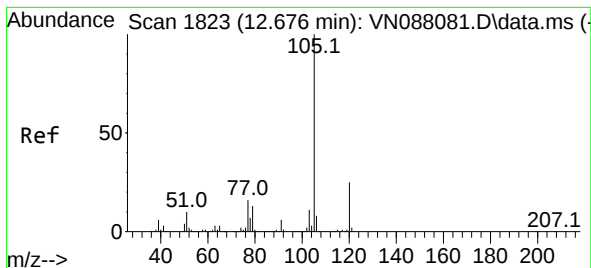
Ion Ratio Lower Upper

152 100

115 77.6 32.3 96.8

150 157.0 0.0 351.0





#73

Isopropylbenzene

Concen: 4.610 ug/l

RT: 12.676 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN088190.D

Acq: 31 Oct 2025 15:44

Instrument :

MSVOA_N

ClientSampleId :

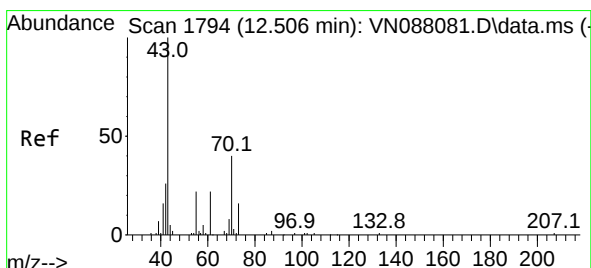
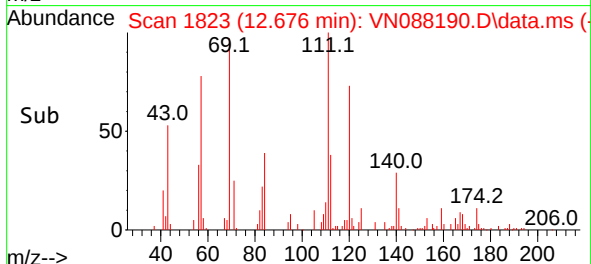
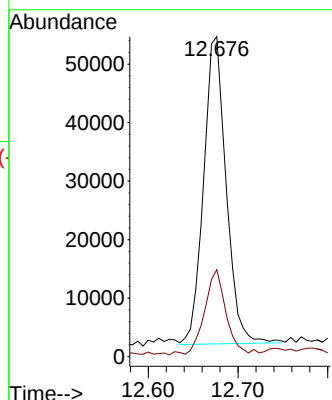
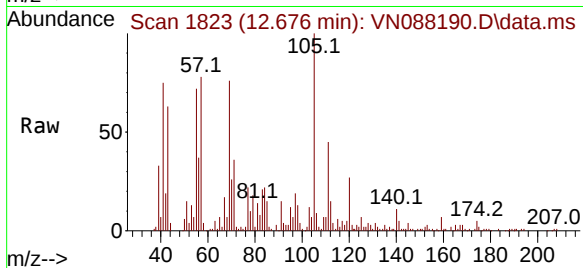
322

Tgt Ion:105 Resp: 91802

Ion Ratio Lower Upper

105 100

120 26.2 12.8 38.3



#74

N-ethyl acetate

Concen: 25.870 ug/l

RT: 12.459 min Scan# 1786

Delta R.T. -0.041 min

Lab File: VN088190.D

Acq: 31 Oct 2025 15:44

Tgt Ion: 43 Resp: 146251

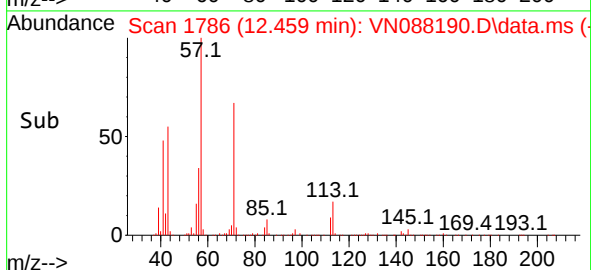
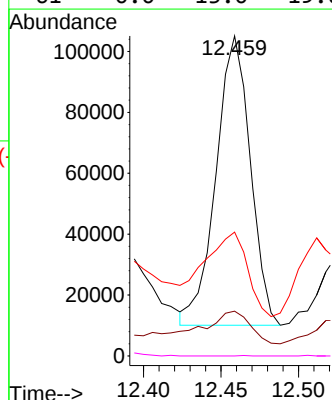
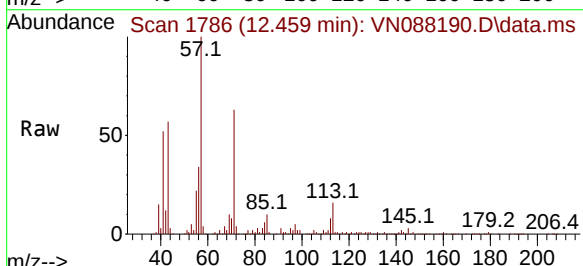
Ion Ratio Lower Upper

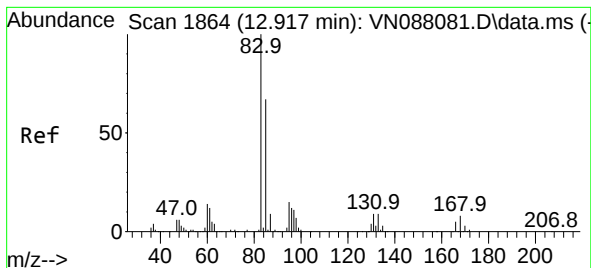
43 100

70 15.2 27.6 41.4#

55 37.5 13.0 19.6#

61 0.0 13.0 19.6#

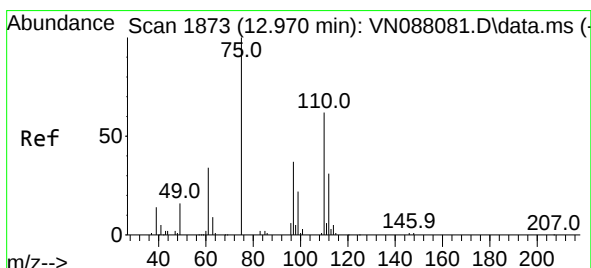
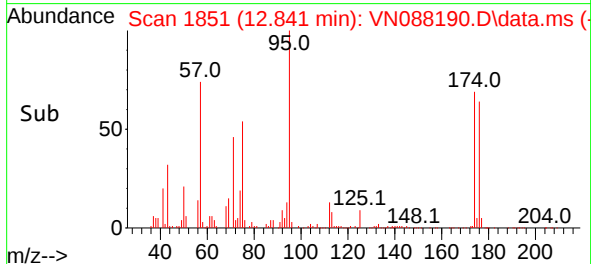
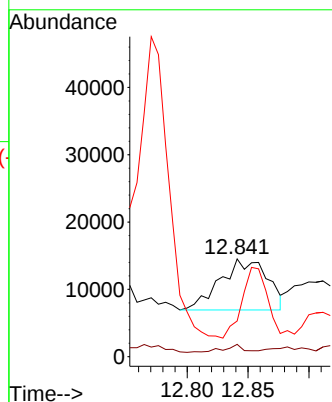
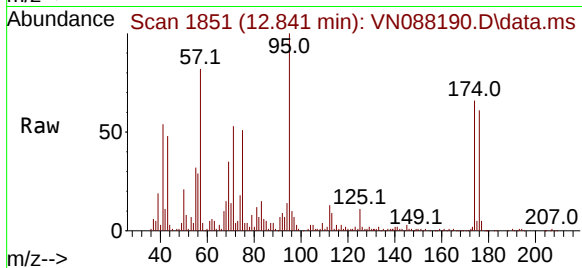




#75
1,1,2,2-Tetrachloroethane
Concen: 3.274 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. -0.077 min
Lab File: VN088190.D
Acq: 31 Oct 2025 15:44

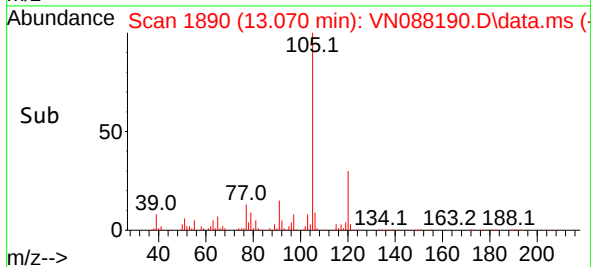
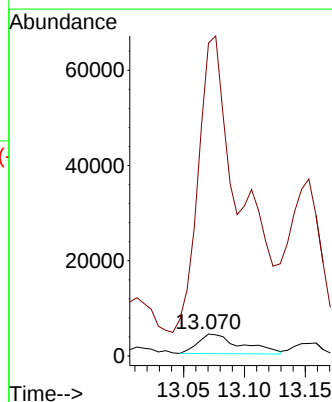
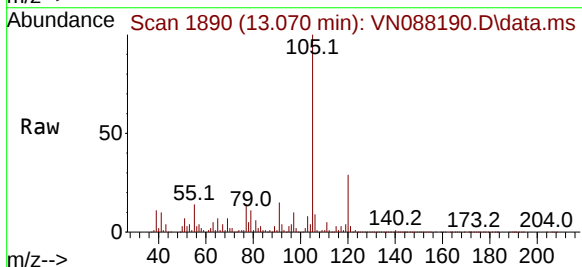
Instrument :
MSVOA_N
ClientSampleId :
322

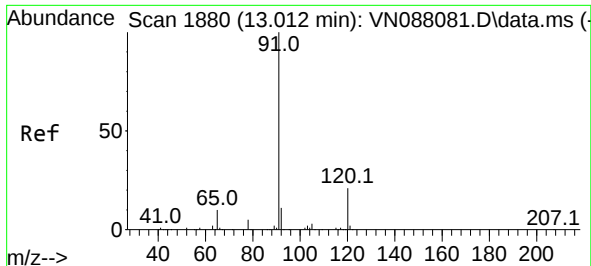
Tgt Ion: 83 Resp: 20299
Ion Ratio Lower Upper
83 100
131 6.1 4.8 14.4
85 77.4 32.1 96.3



#76
1,2,3-Trichloropropane
Concen: 1.732 ug/l
RT: 13.070 min Scan# 1890
Delta R.T. 0.100 min
Lab File: VN088190.D
Acq: 31 Oct 2025 15:44

Tgt Ion: 75 Resp: 10227
Ion Ratio Lower Upper
75 100
77 1042.6 89.1 267.4#

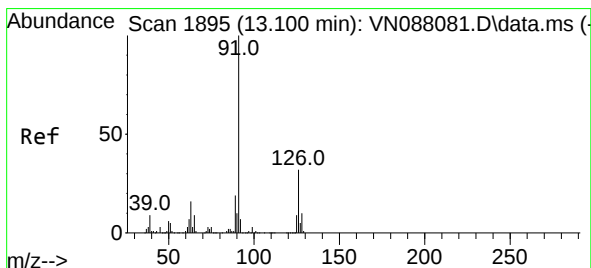
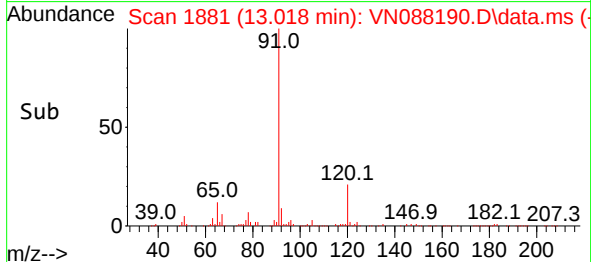
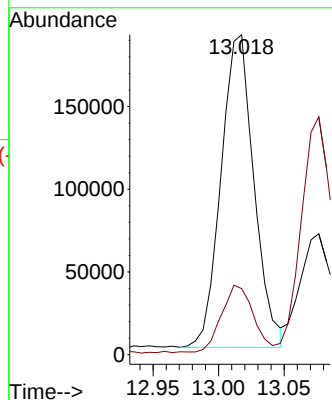
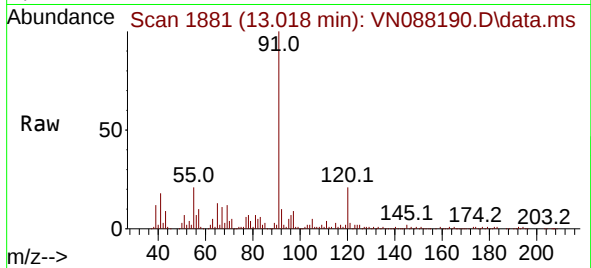




#78
n-propylbenzene
Concen: 13.580 ug/l
RT: 13.018 min Scan# 1881
Delta R.T. 0.006 min
Lab File: VN088190.D
Acq: 31 Oct 2025 15:44

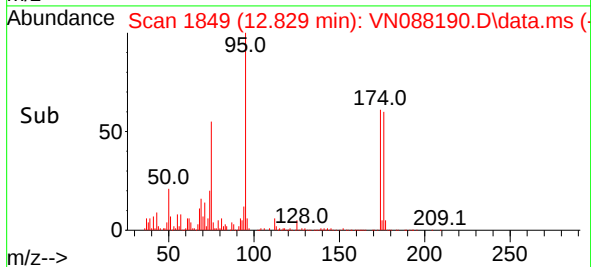
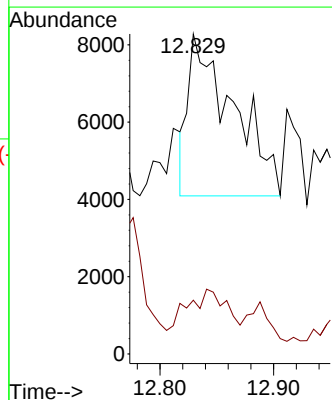
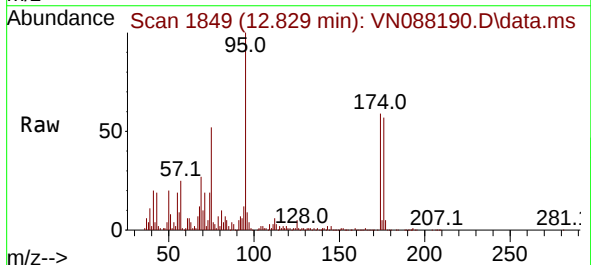
Instrument :
MSVOA_N
ClientSampleId :
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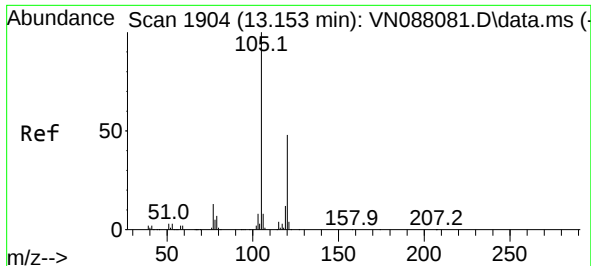
Tgt Ion: 91 Resp: 330042
Ion Ratio Lower Upper
91 100
120 20.5 10.7 32.1



#79
2-Chlorotoluene
Concen: 0.831 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.271 min
Lab File: VN088190.D
Acq: 31 Oct 2025 15:44

Tgt Ion: 91 Resp: 11522
Ion Ratio Lower Upper
91 100
126 16.4 16.1 48.3

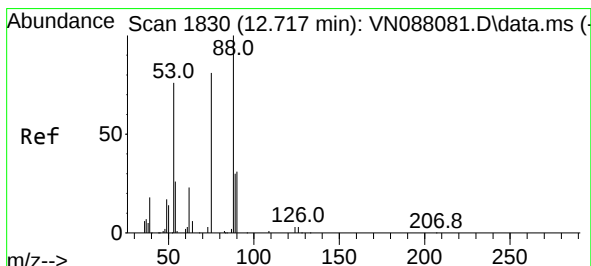
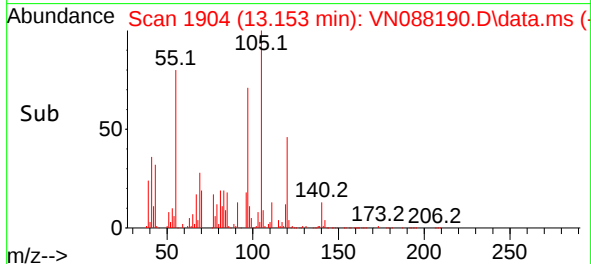
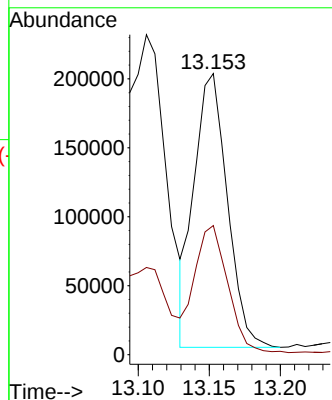
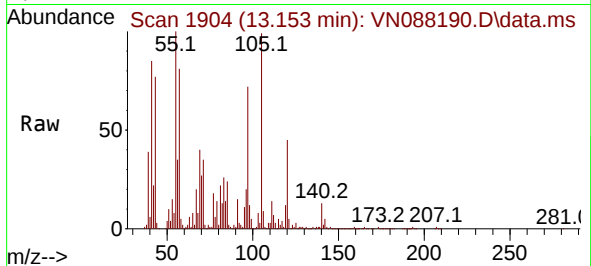




#80
 1,3,5-Trimethylbenzene
 Concen: 19.505 ug/l
 RT: 13.153 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VN088190.D
 Acq: 31 Oct 2025 15:44

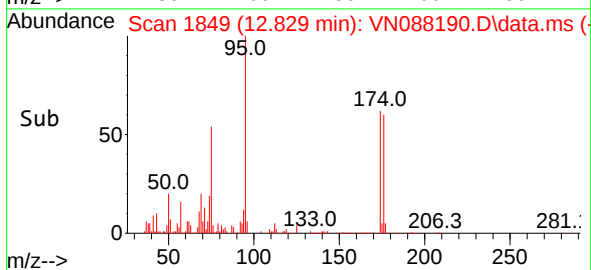
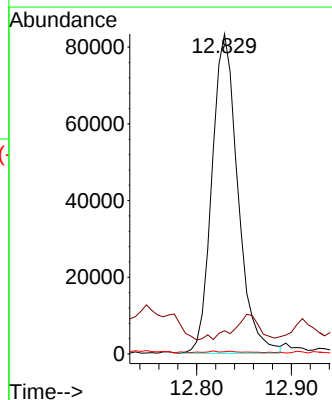
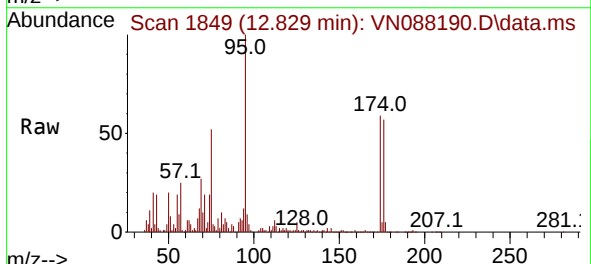
Instrument :
 MSVOA_N
 ClientSampleId :
 322

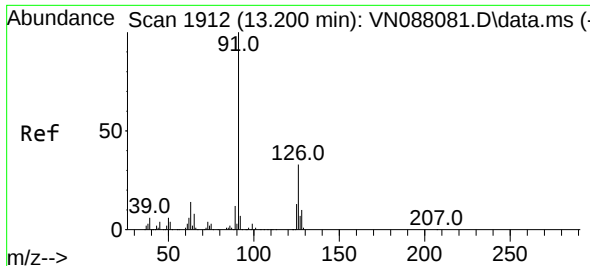
Tgt Ion:105 Resp: 322606
 Ion Ratio Lower Upper
 105 100
 120 46.1 23.2 69.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.982 ug/l
 RT: 12.829 min Scan# 1849
 Delta R.T. 0.112 min
 Lab File: VN088190.D
 Acq: 31 Oct 2025 15:44

Tgt Ion: 75 Resp: 158680
 Ion Ratio Lower Upper
 75 100
 53 0.0 101.8 152.6#
 89 0.2 35.6 53.4#

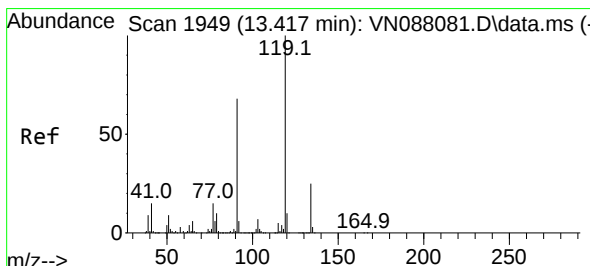
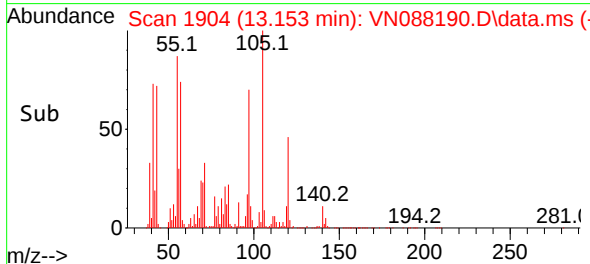
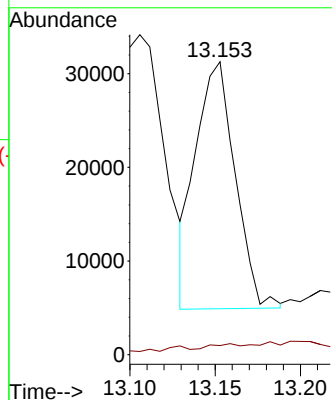
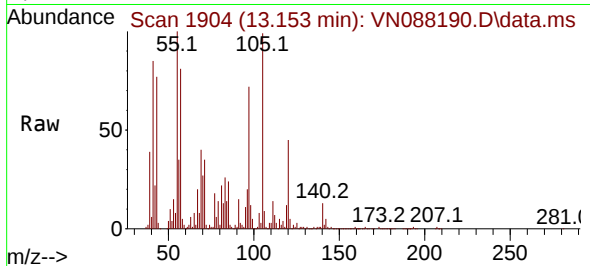




#82
4-Chlorotoluene
Concen: 2.835 ug/l
RT: 13.153 min Scan# 1912
Delta R.T. -0.047 min
Lab File: VN088190.D
Acq: 31 Oct 2025 15:44

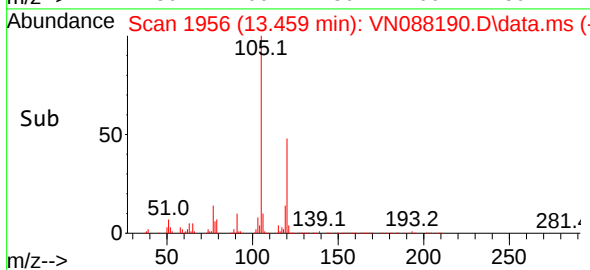
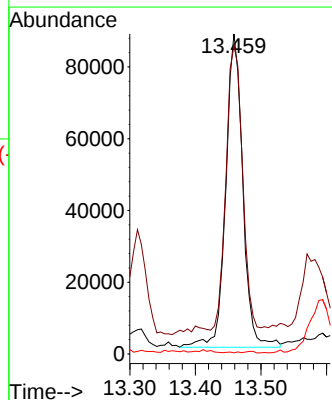
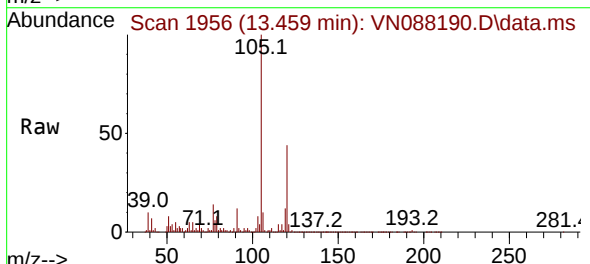
Instrument :
MSVOA_N
ClientSampleId :
322

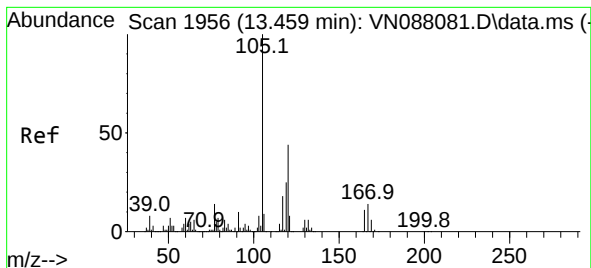
Tgt Ion: 91 Resp: 42507
Ion Ratio Lower Upper
91 100
126 1.6 15.6 46.8#



#83
tert-Butylbenzene
Concen: 10.673 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. 0.041 min
Lab File: VN088190.D
Acq: 31 Oct 2025 15:44

Tgt Ion: 119 Resp: 157688
Ion Ratio Lower Upper
119 100
91 87.2 35.0 105.0
134 0.0 12.6 37.8#





#84

1,2,4-Trimethylbenzene

Concen: 76.758 ug/l

RT: 13.459 min Scan# 1956

Delta R.T. -0.000 min

Lab File: VN088190.D

Acq: 31 Oct 2025 15:44

Instrument :

MSVOA_N

ClientSampleId :

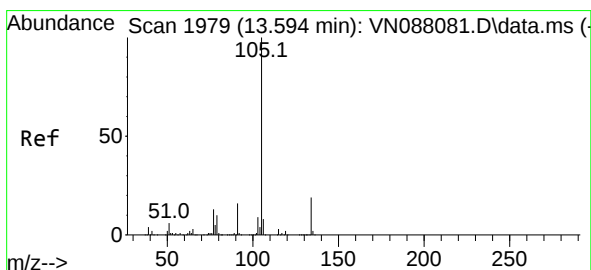
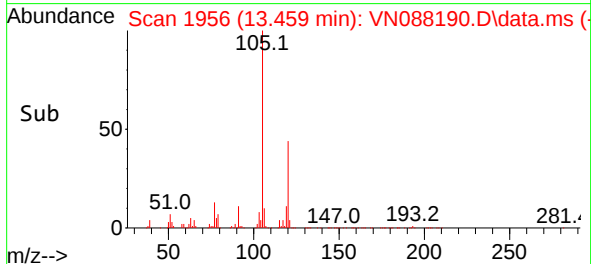
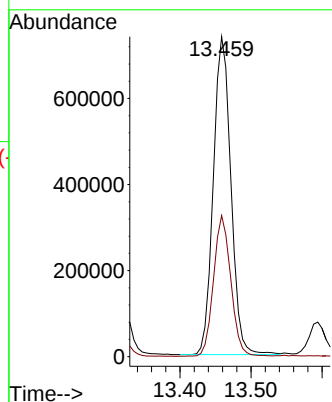
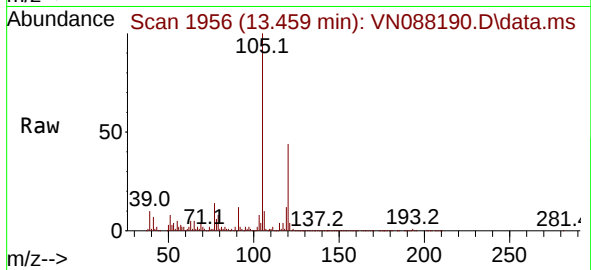
322

Tgt Ion:105 Resp: 1270168

Ion Ratio Lower Upper

105 100

120 43.5 22.0 66.0



#85

sec-Butylbenzene

Concen: 5.321 ug/l

RT: 13.594 min Scan# 1979

Delta R.T. -0.000 min

Lab File: VN088190.D

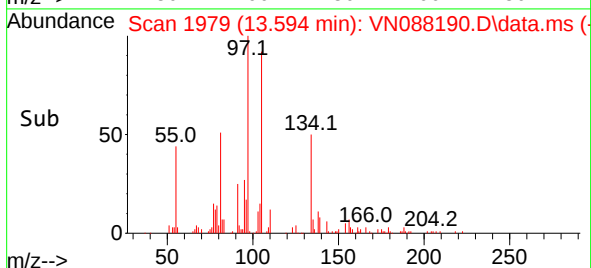
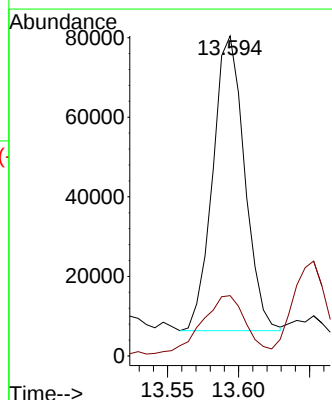
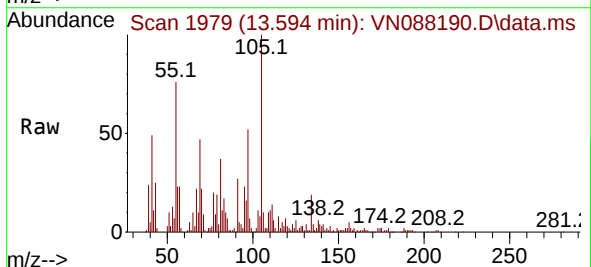
Acq: 31 Oct 2025 15:44

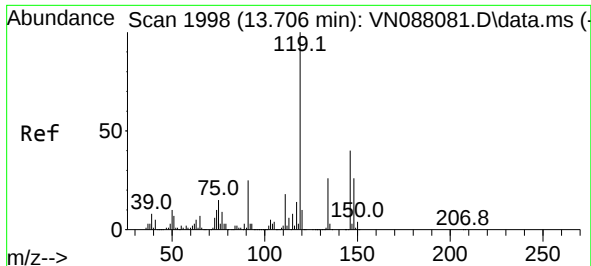
Tgt Ion:105 Resp: 115492

Ion Ratio Lower Upper

105 100

134 27.3 9.6 28.6

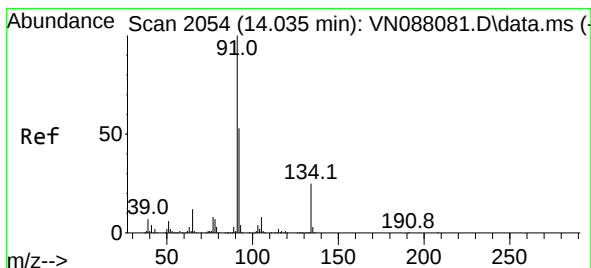
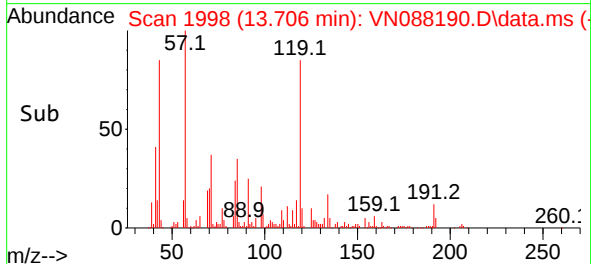
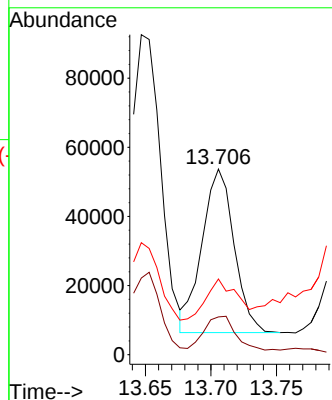
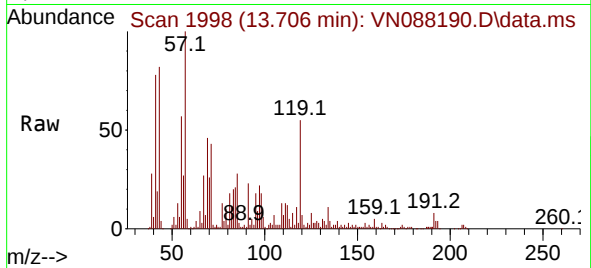




#86
p-Isopropyltoluene
Concen: 4.634 ug/l
RT: 13.706 min Scan# 1998
Delta R.T. -0.000 min
Lab File: VN088190.D
Acq: 31 Oct 2025 15:44

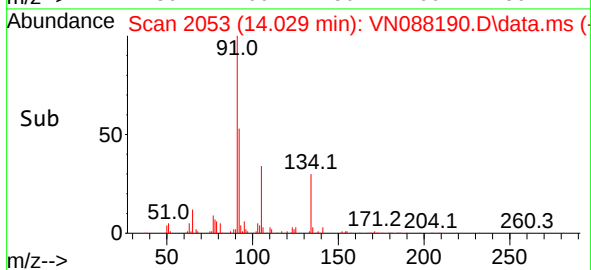
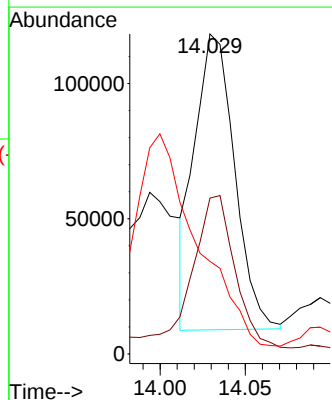
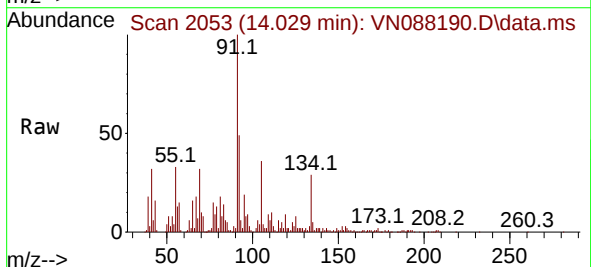
Instrument :
MSVOA_N
ClientSampleId :
322

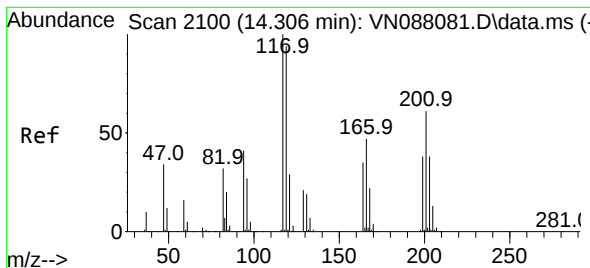
Tgt Ion:119 Resp: 80687
Ion Ratio Lower Upper
119 100
134 20.4 12.7 38.0
91 22.1 12.5 37.5



#89
n-Butylbenzene
Concen: 10.312 ug/l
RT: 14.029 min Scan# 2053
Delta R.T. -0.000 min
Lab File: VN088190.D
Acq: 31 Oct 2025 15:44

Tgt Ion: 91 Resp: 177865
Ion Ratio Lower Upper
91 100
92 57.5 25.9 77.8
134 0.0 11.7 35.0#





#90

Hexachloroethane

Concen: 9.630 ug/l

RT: 14.306 min Scan# 2100

Delta R.T. -0.006 min

Lab File: VN088190.D

Acq: 31 Oct 2025 15:44

Instrument :

MSVOA_N

ClientSampleId :

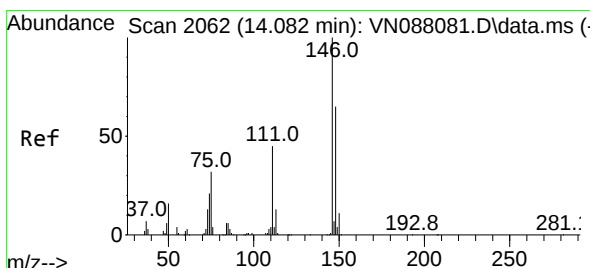
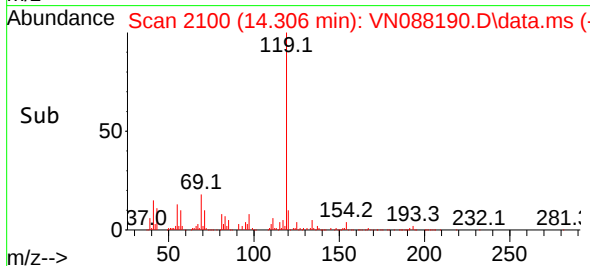
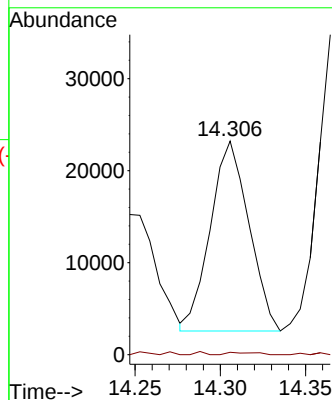
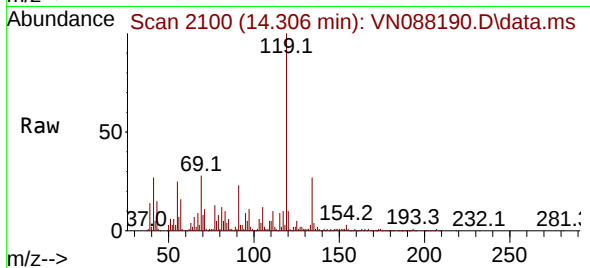
322

Tgt Ion:117 Resp: 32475

Ion Ratio Lower Upper

117 100

201 0.9 29.1 87.4#



#91

1,2-Dichlorobenzene

Concen: 0.254 ug/l

RT: 14.094 min Scan# 2064

Delta R.T. 0.012 min

Lab File: VN088190.D

Acq: 31 Oct 2025 15:44

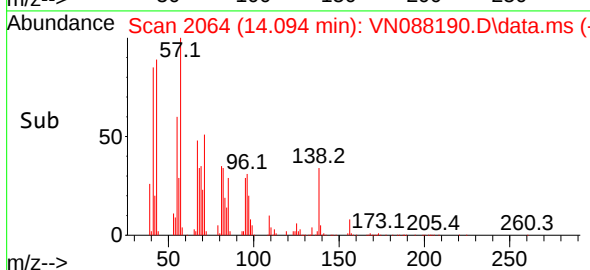
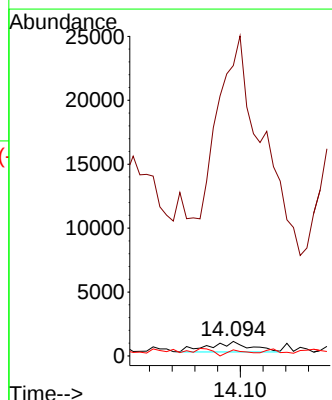
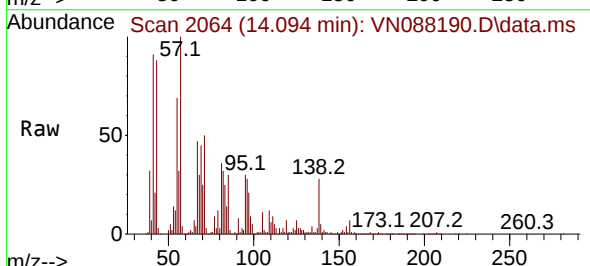
Tgt Ion:146 Resp: 2103

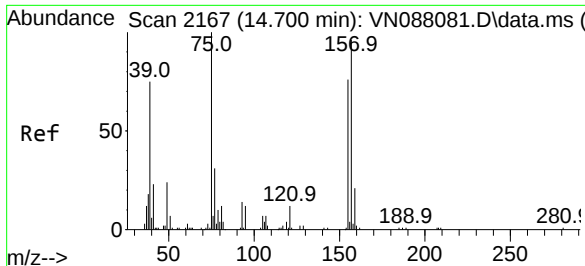
Ion Ratio Lower Upper

146 100

111 2213.2 22.6 67.8#

148 27.6 31.9 95.9#

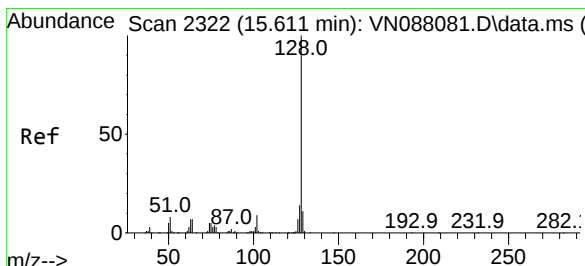
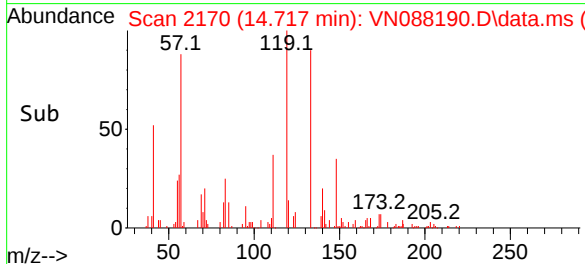
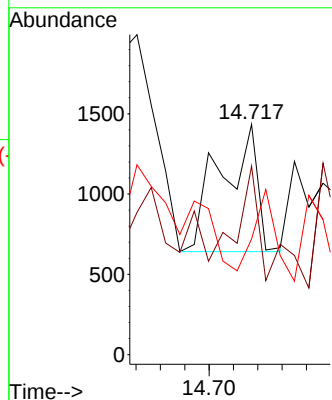
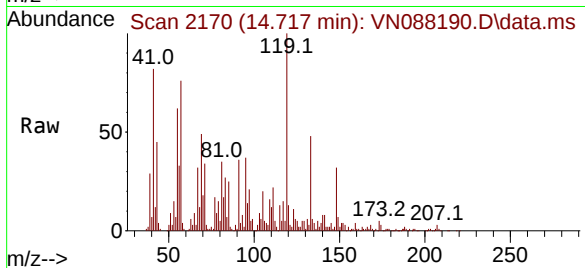




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.572 ug/l
RT: 14.717 min Scan# 2167
Delta R.T. 0.018 min
Lab File: VN088190.D
Acq: 31 Oct 2025 15:44

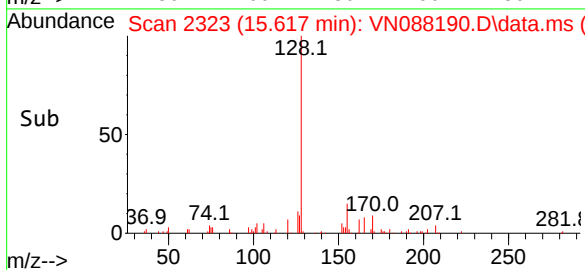
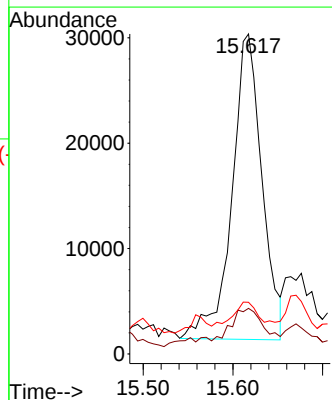
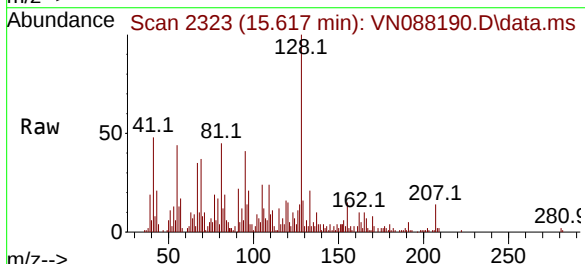
Instrument :
MSVOA_N
ClientSampleId :
322

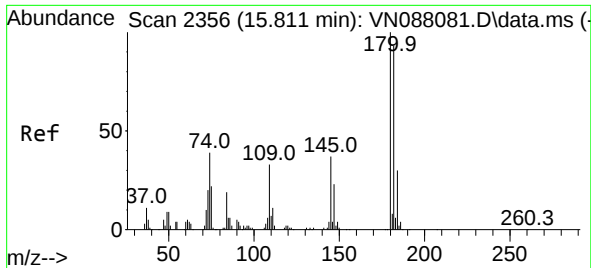
Tgt Ion: 75 Resp: 826
Ion Ratio Lower Upper
75 100
155 0.0 36.6 109.9#
157 42.5 45.6 136.9#



#95
Naphthalene
Concen: 3.935 ug/l
RT: 15.617 min Scan# 2323
Delta R.T. 0.006 min
Lab File: VN088190.D
Acq: 31 Oct 2025 15:44

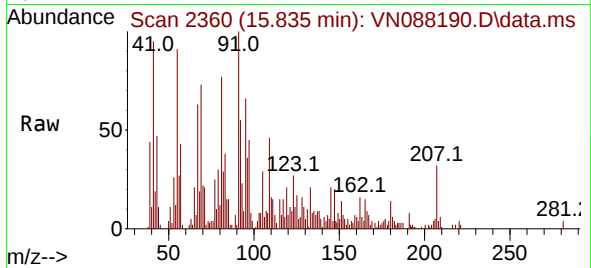
Tgt Ion: 128 Resp: 67472
Ion Ratio Lower Upper
128 100
127 12.0 10.6 15.8
129 8.1 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.511 ug/l
 RT: 15.835 min Scan# 21
 Delta R.T. 0.023 min
 Lab File: VN088190.D
 Acq: 31 Oct 2025 15:44

Instrument :
 MSVOA_N
 ClientSampleId :
 322



Tgt Ion:180 Resp: 2454
 Ion Ratio Lower Upper
 180 100
 182 0.0 46.8 140.3#
 145 0.0 17.3 52.0#

