

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102925\
 Data File : VN088156.D
 Acq On : 29 Oct 2025 13:44
 Operator : JC\MD
 Sample : PB170296TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB170296TB

Quant Time: Oct 30 04:05:58 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

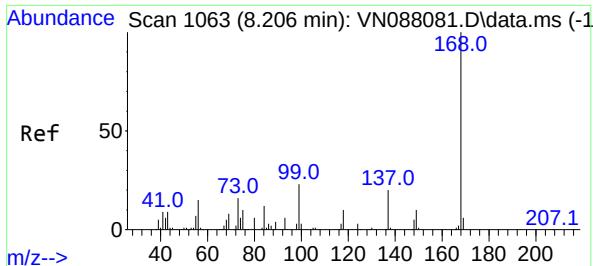
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.206	168	257074	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	592700	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	583875	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	280235	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	271649	61.109	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 122.220%			
35) Dibromofluoromethane	8.147	113	192003	48.220	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.440%			
50) Toluene-d8	10.547	98	710422	46.304	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.600%			
62) 4-Bromofluorobenzene	12.829	95	277866	51.282	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.560%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.500	59	781	1.020	ug/l #	71
16) Acetone	4.418	43	45691	20.459	ug/l	94
18) Methyl Acetate	5.024	43	10457	2.287	ug/l	99
20) Methylene Chloride	5.265	84	14096	4.765	ug/l #	87
25) 2-Butanone	7.471	43	13719	4.661	ug/l #	79
29) Tetrahydrofuran	7.841	42	2340	1.220	ug/l #	67
31) Cyclohexane	8.206	56	7884	1.267	ug/l #	16
36) 1,1-Dichloropropene	8.212	75	26550	4.567	ug/l #	51
37) Ethyl Acetate	7.547	43	4849	0.646	ug/l #	78
38) Carbon Tetrachloride	8.206	117	31414	5.232	ug/l #	15
43) Isopropyl Acetate	8.671	43	28258	2.451	ug/l	93
45) 1,2-Dichloropropane	9.730	63	1791	0.401	ug/l #	43
48) Methyl methacrylate	9.724	41	139090	26.132	ug/l #	47
49) 1,4-Dioxane	9.718	88	153	2.311	ug/l #	1
51) 4-Methyl-2-Pentanone	10.429	43	13800	2.023	ug/l #	72
54) cis-1,3-Dichloropropene	10.341	75	53194	7.379	ug/l #	66
57) 1,3-Dichloropropane	11.188	76	4016	0.552	ug/l #	42
59) 2-Hexanone	11.188	43	77731	17.180	ug/l #	50
76) 1,2,3-Trichloropropane	12.829	75	161300	25.175	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	161300	70.228	ug/l #	1
95) Naphthalene	15.617	128	3977	0.214	ug/l #	78

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

Quant Time: Oct 30 04:05:58 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

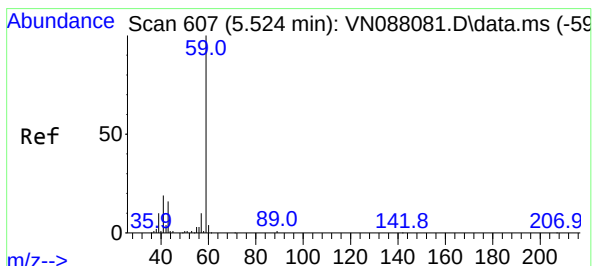
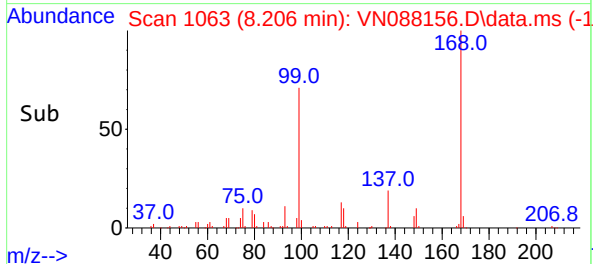
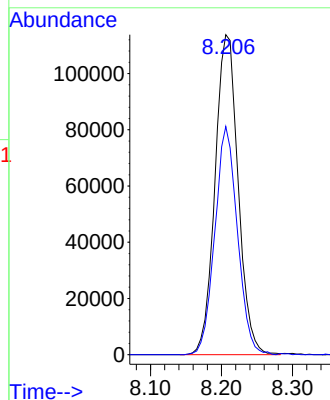
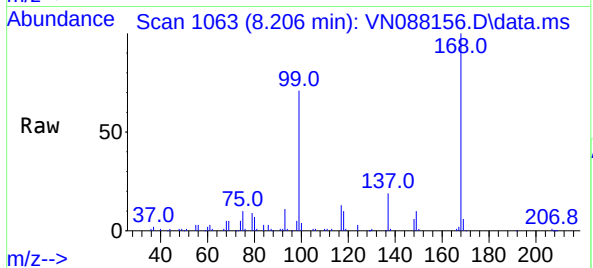




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088156.D
Acq: 29 Oct 2025 13:44

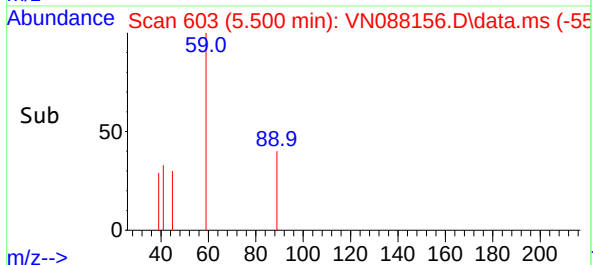
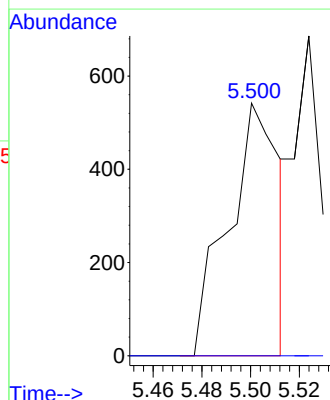
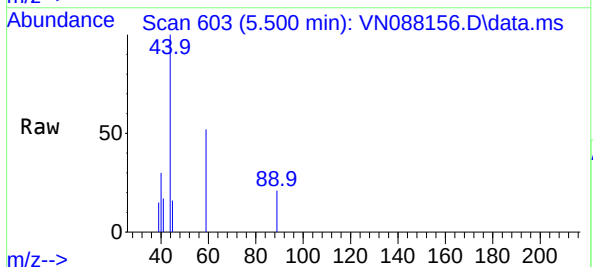
Instrument :
MSVOA_N
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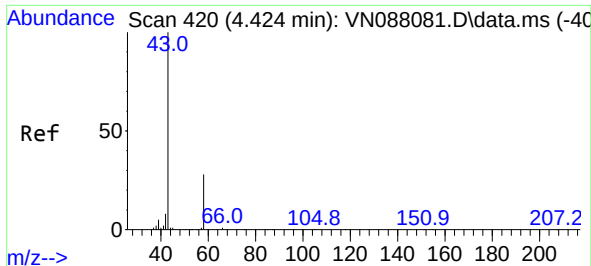
Tgt Ion:168 Resp: 257074
Ion Ratio Lower Upper
168 100
99 71.3 57.2 85.8



#11
Tert butyl alcohol
Concen: 1.020 ug/l
RT: 5.500 min Scan# 603
Delta R.T. -0.018 min
Lab File: VN088156.D
Acq: 29 Oct 2025 13:44

Tgt Ion: 59 Resp: 781
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#

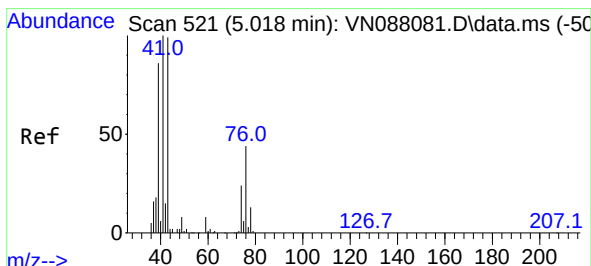
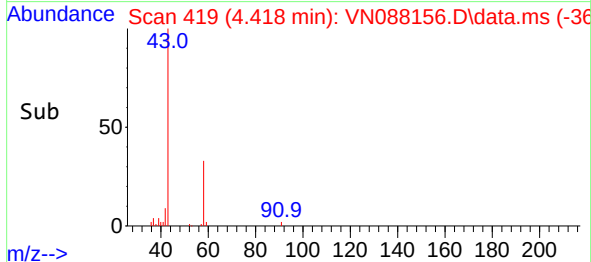
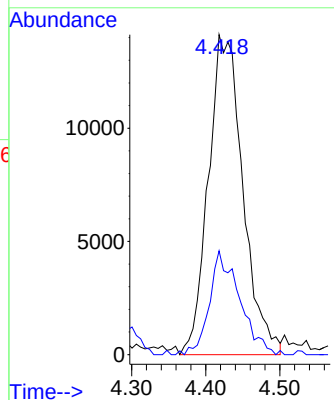
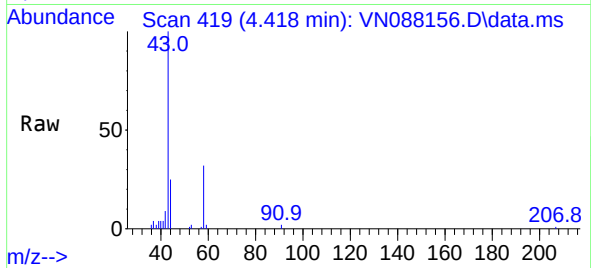




#16
Acetone
Concen: 20.459 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.006 min
Lab File: VN088156.D
Acq: 29 Oct 2025 13:44

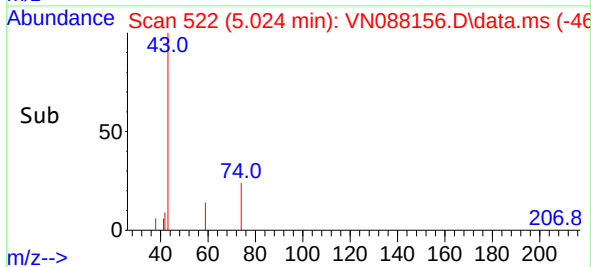
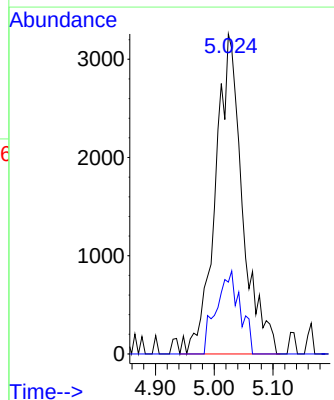
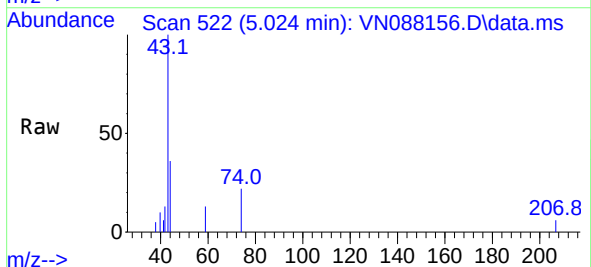
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ClientSampleId :
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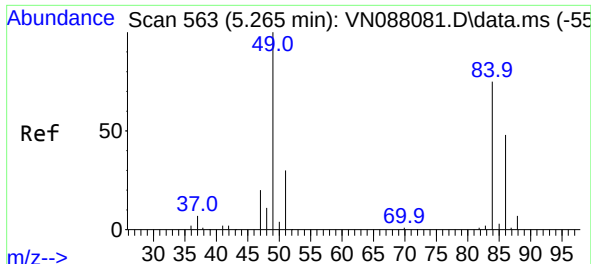
Tgt Ion: 43 Resp: 45691
Ion Ratio Lower Upper
43 100
58 31.3 22.6 33.8



#18
Methyl Acetate
Concen: 2.287 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.012 min
Lab File: VN088156.D
Acq: 29 Oct 2025 13:44

Tgt Ion: 43 Resp: 10457
Ion Ratio Lower Upper
43 100
74 22.7 17.6 26.4



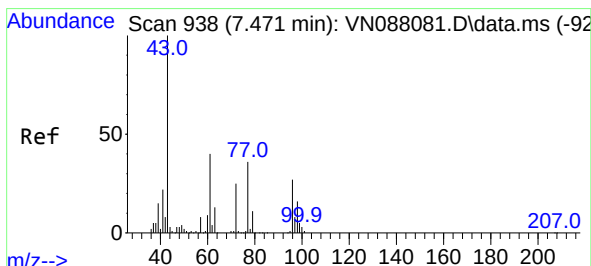
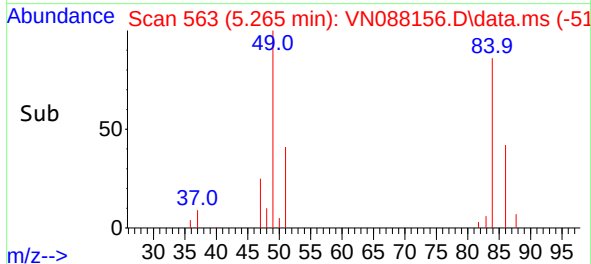
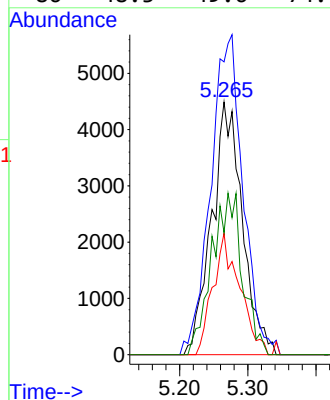
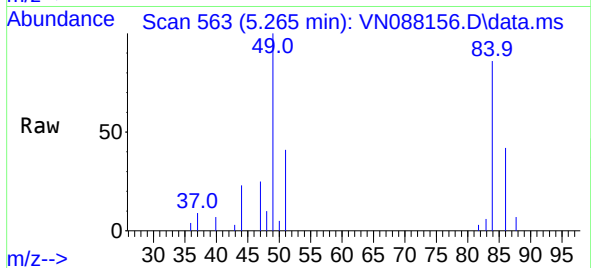


#20
Methylene Chloride
Concen: 4.765 ug/l
RT: 5.265 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN088156.D
Acq: 29 Oct 2025 13:44

Instrument :
MSVOA_N
ClientSampleId :
PB170296TB

Tgt Ion: 84 Resp: 14096

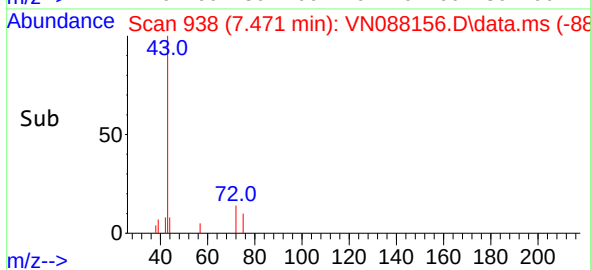
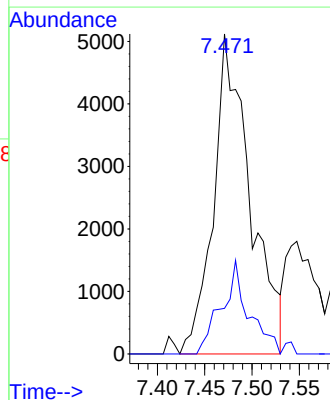
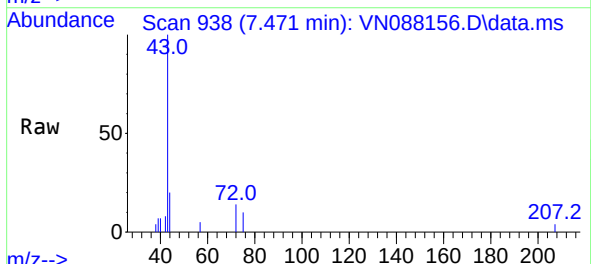
Ion	Ratio	Lower	Upper
84	100		
49	116.0	103.4	155.2
51	48.1	33.8	50.8
86	48.3	49.6	74.4

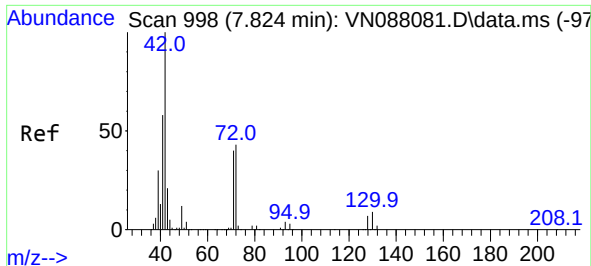


#25
2-Butanone
Concen: 4.661 ug/l
RT: 7.471 min Scan# 938
Delta R.T. 0.006 min
Lab File: VN088156.D
Acq: 29 Oct 2025 13:44

Tgt Ion: 43 Resp: 13719

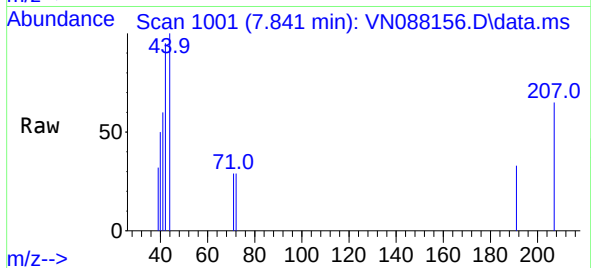
Ion	Ratio	Lower	Upper
43	100		
72	14.2	19.9	29.9



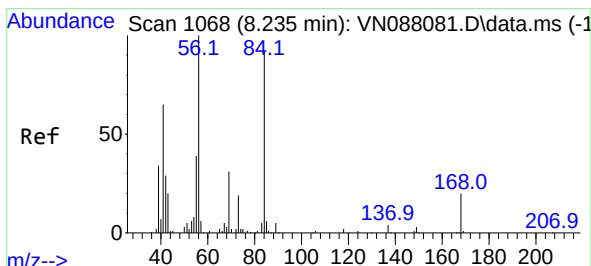
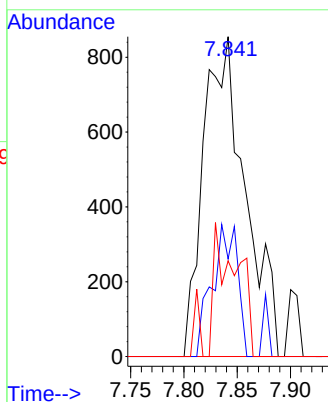
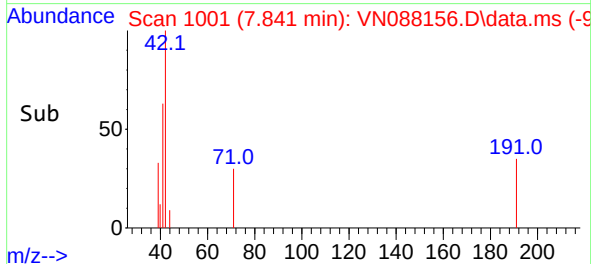


#29
Tetrahydrofuran
Concen: 1.220 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.018 min
Lab File: VN088156.D
Acq: 29 Oct 2025 13:44

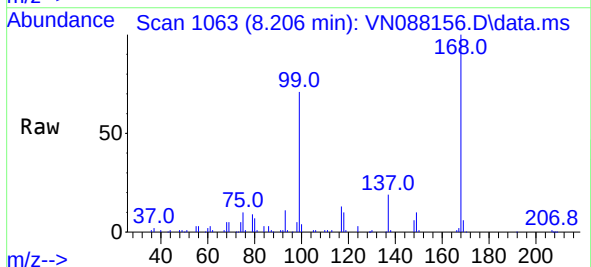
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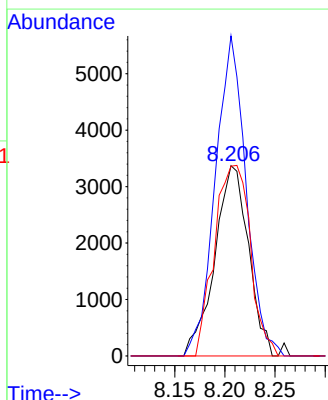
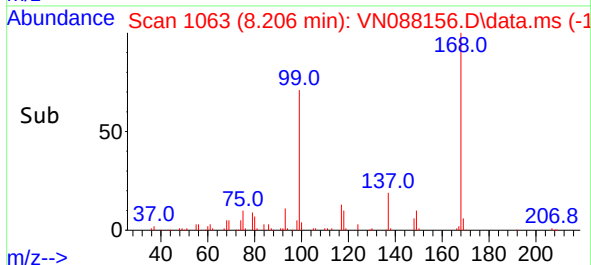
Tgt Ion: 42 Resp: 2340
Ion Ratio Lower Upper
42 100
72 24.7 33.7 50.5#
71 15.4 31.9 47.9#

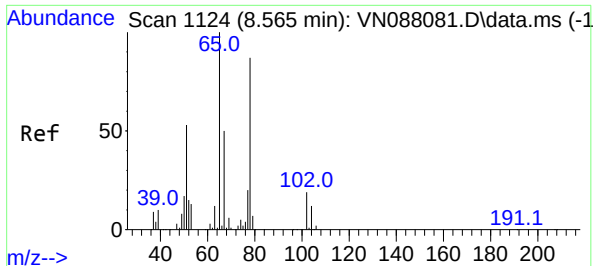


#31
Cyclohexane
Concen: 1.267 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.029 min
Lab File: VN088156.D
Acq: 29 Oct 2025 13:44



Tgt Ion: 56 Resp: 7884
Ion Ratio Lower Upper
56 100
69 168.2 23.7 35.5#
84 99.8 64.7 97.1#

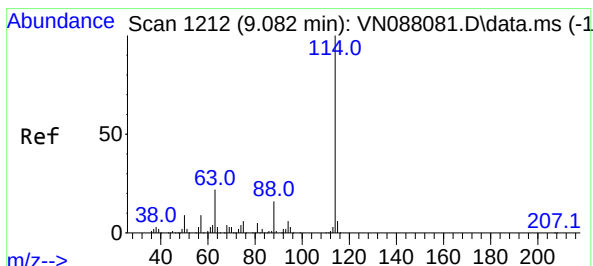
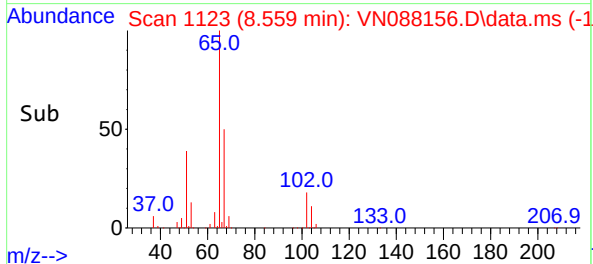
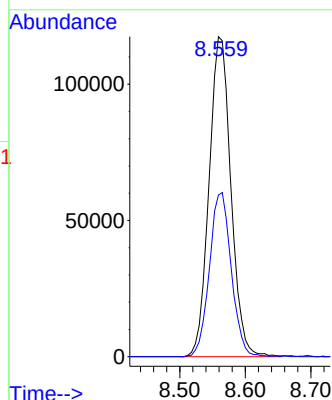
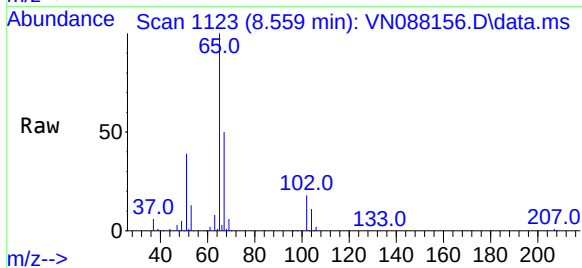




#33
1,2-Dichloroethane-d4
Concen: 61.109 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088156.D
Acq: 29 Oct 2025 13:44

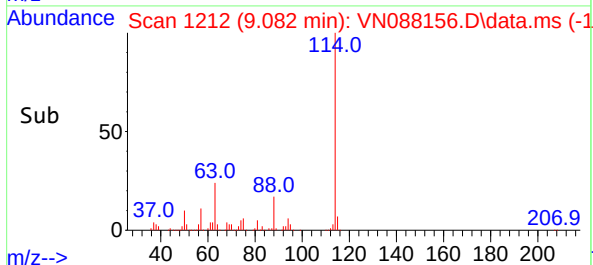
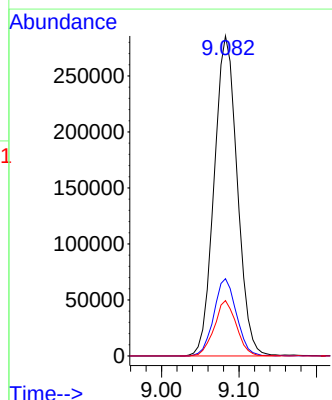
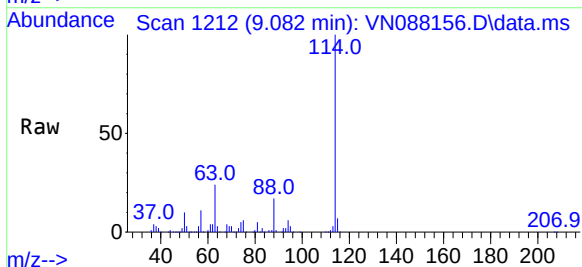
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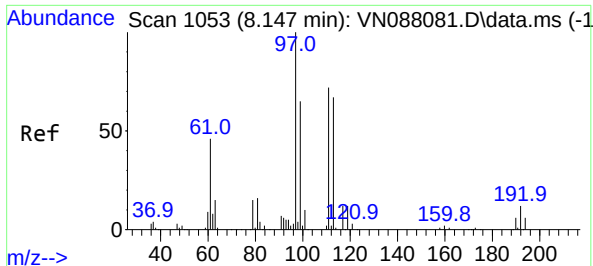
Tgt Ion: 65 Resp: 271649
Ion Ratio Lower Upper
65 100
67 51.3 0.0 100.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VN088156.D
Acq: 29 Oct 2025 13:44

Tgt Ion:114 Resp: 592700
Ion Ratio Lower Upper
114 100
63 24.1 0.0 45.2
88 17.3 0.0 33.4

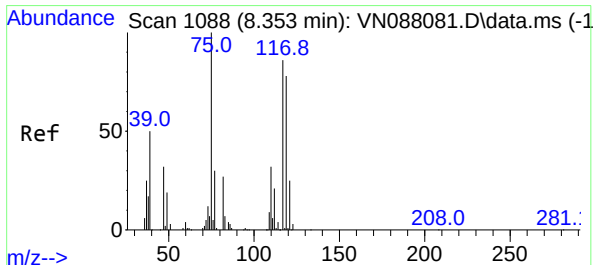
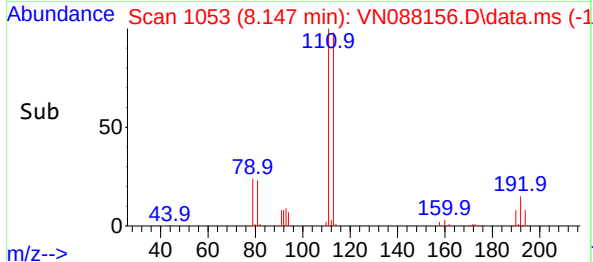
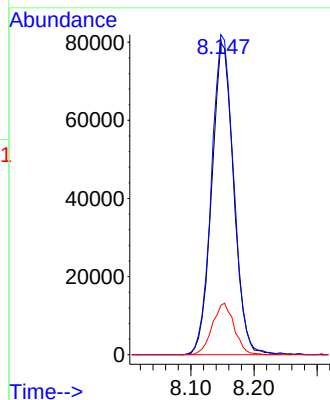
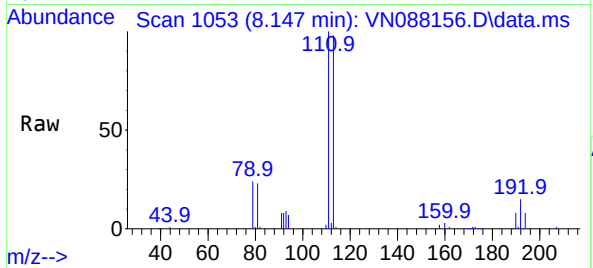




#35
Dibromofluoromethane
Concen: 48.220 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN088156.D
Acq: 29 Oct 2025 13:44

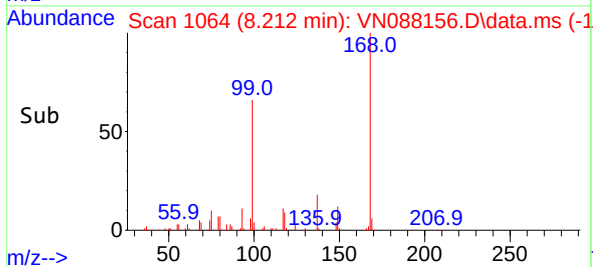
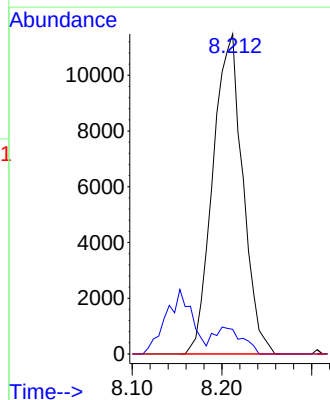
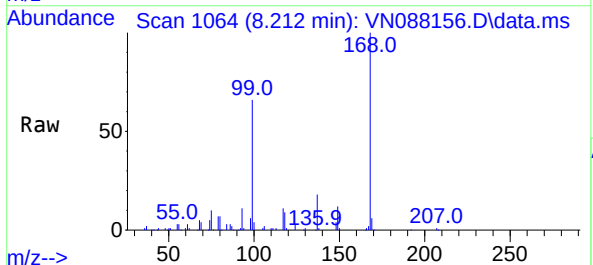
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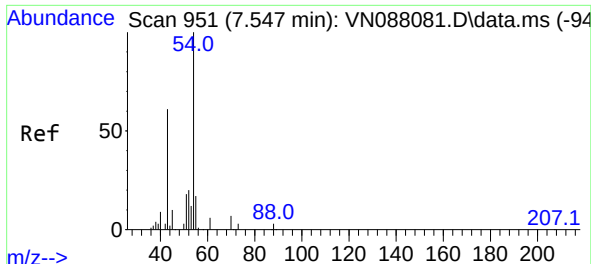
Tgt Ion:113 Resp: 192003
Ion Ratio Lower Upper
113 100
111 104.3 82.8 124.2
192 16.5 12.8 19.2



#36
1,1-Dichloropropene
Concen: 4.567 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.141 min
Lab File: VN088156.D
Acq: 29 Oct 2025 13:44

Tgt Ion: 75 Resp: 26550
Ion Ratio Lower Upper
75 100
110 8.0 15.9 47.6#
77 0.0 24.4 36.6#

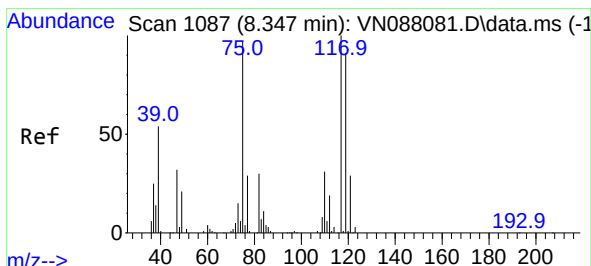
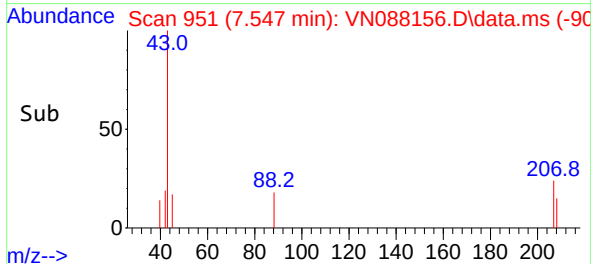
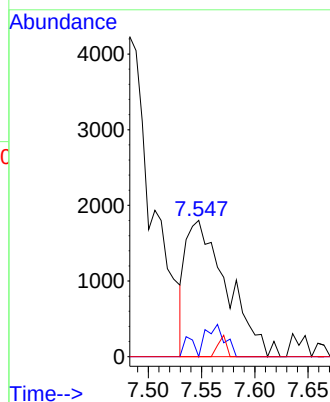
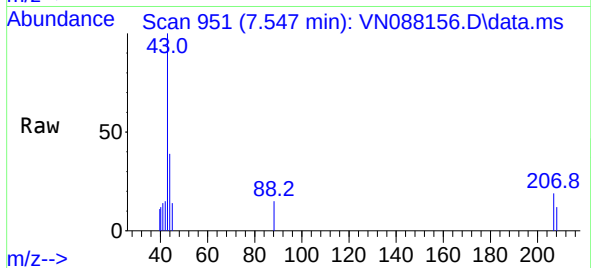




#37
Ethyl Acetate
Concen: 0.646 ug/l
RT: 7.547 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN088156.D
Acq: 29 Oct 2025 13:44

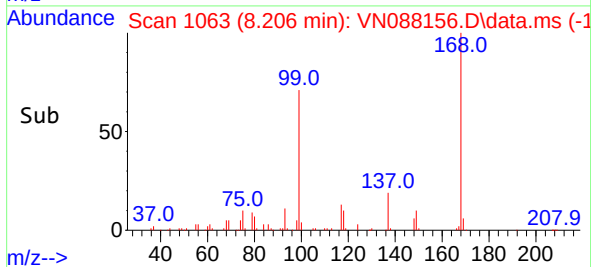
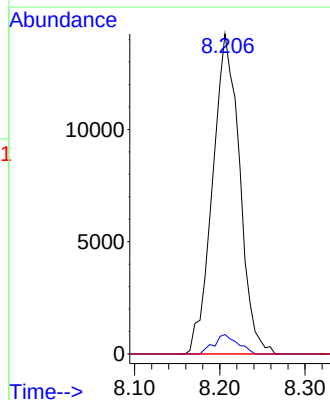
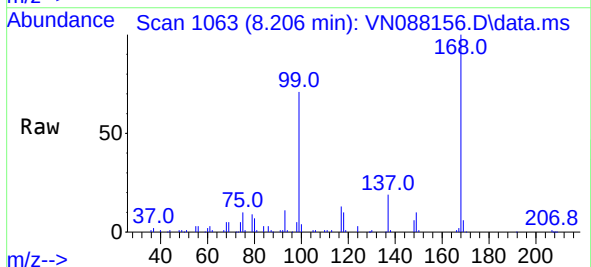
Instrument :
MSVOA_N
ClientSampleId :
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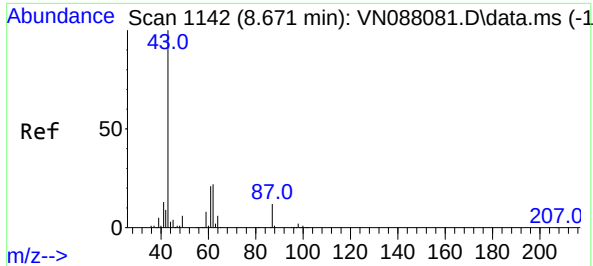
Tgt Ion: 43 Resp: 4849
Ion Ratio Lower Upper
43 100
61 3.5 9.3 13.9#
70 0.0 7.0 10.6#



#38
Carbon Tetrachloride
Concen: 5.232 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.135 min
Lab File: VN088156.D
Acq: 29 Oct 2025 13:44

Tgt Ion: 117 Resp: 31414
Ion Ratio Lower Upper
117 100
119 6.0 79.0 118.6#
121 0.0 25.0 37.6#

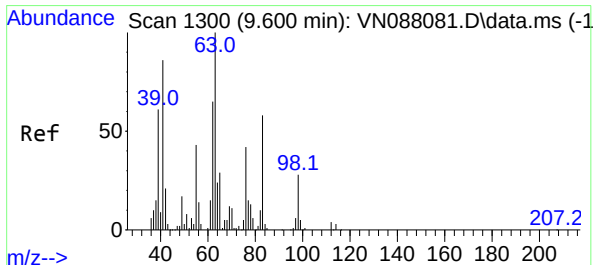
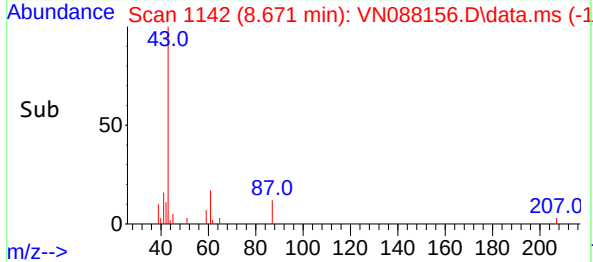
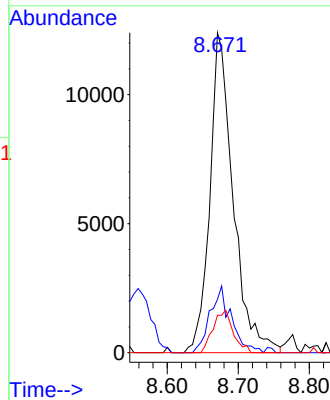
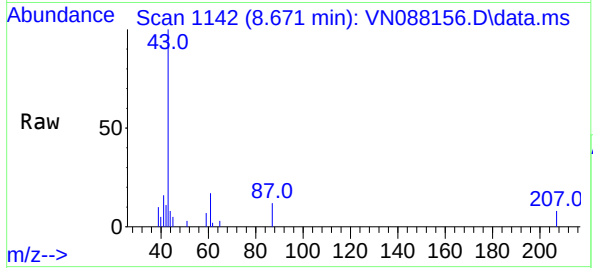




#43
Isopropyl Acetate
Concen: 2.451 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN088156.D
Acq: 29 Oct 2025 13:44

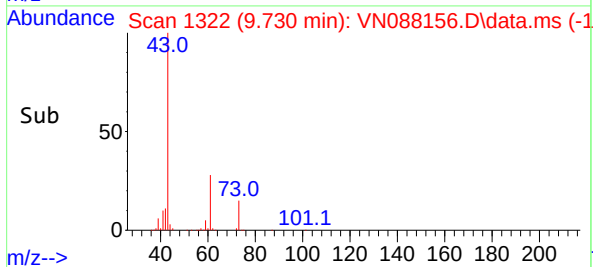
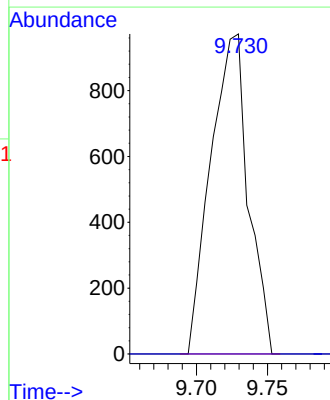
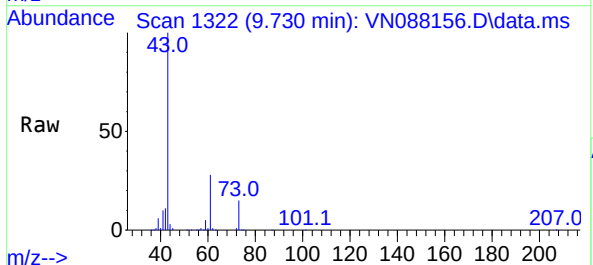
Instrument :
MSVOA_N
ClientSampleId :
PB170296TB

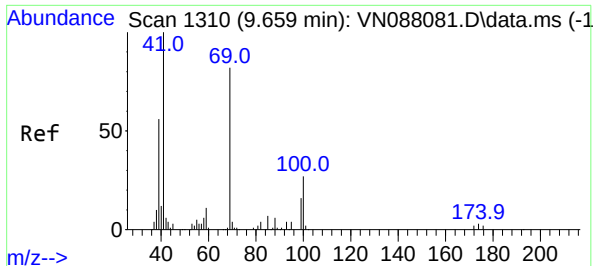
Tgt Ion:	43	Resp:	28258
Ion	Ratio	Lower	Upper
43	100		
61	19.0	18.8	28.2
87	11.4	9.6	14.4



#45
1,2-Dichloropropane
Concen: 0.401 ug/l
RT: 9.730 min Scan# 1322
Delta R.T. 0.129 min
Lab File: VN088156.D
Acq: 29 Oct 2025 13:44

Tgt Ion:	63	Resp:	1791
Ion	Ratio	Lower	Upper
63	100		
65	0.0	25.0	37.4#

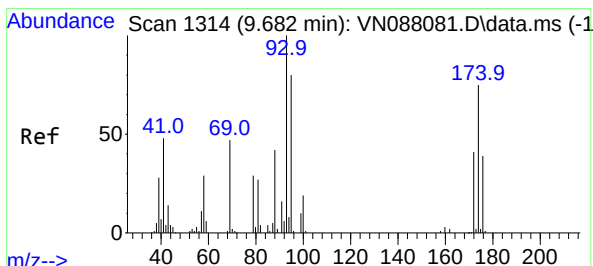
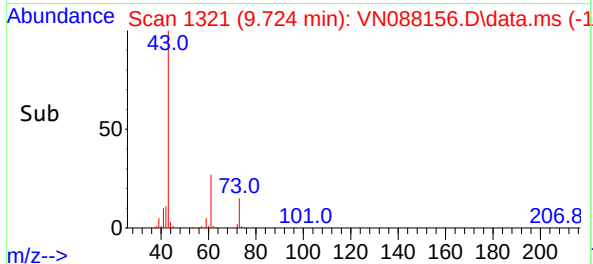
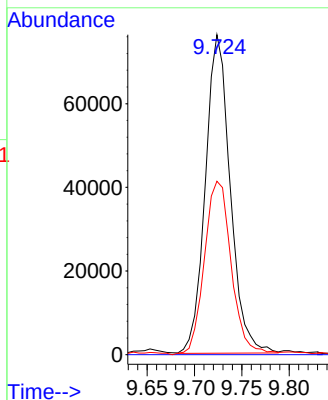
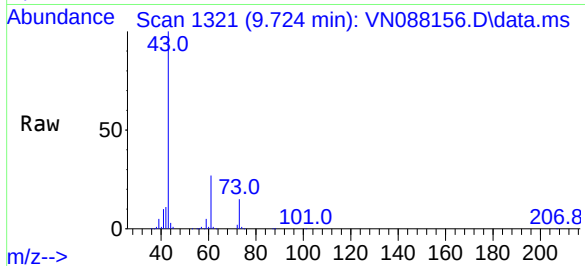




#48
Methyl methacrylate
Concen: 26.132 ug/l
RT: 9.724 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN088156.D
Acq: 29 Oct 2025 13:44

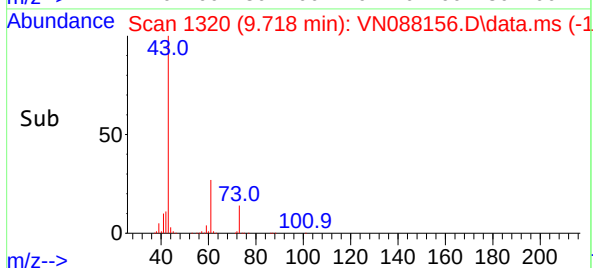
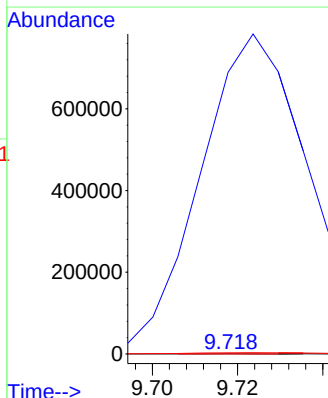
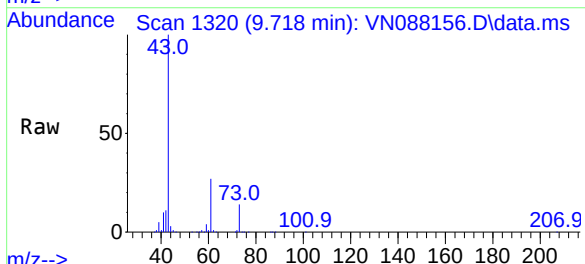
Instrument :
MSVOA_N
ClientSampleId :
PB170296TB

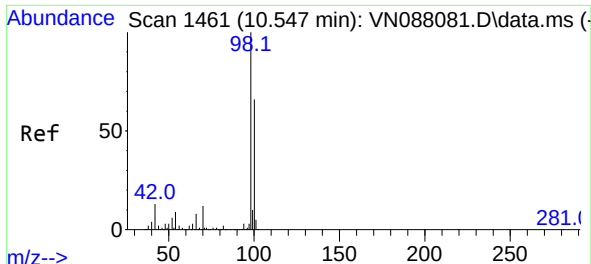
Tgt Ion: 41 Resp: 139090
Ion Ratio Lower Upper
41 100
69 0.0 62.7 94.1#
39 59.3 52.9 79.3



#49
1,4-Dioxane
Concen: 2.311 ug/l
RT: 9.718 min Scan# 1320
Delta R.T. 0.035 min
Lab File: VN088156.D
Acq: 29 Oct 2025 13:44

Tgt Ion: 88 Resp: 153
Ion Ratio Lower Upper
88 100
43 957477.8 0.0 0.0#
58 4441.8 57.9 86.9#

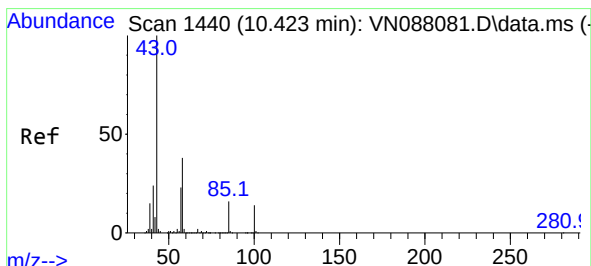
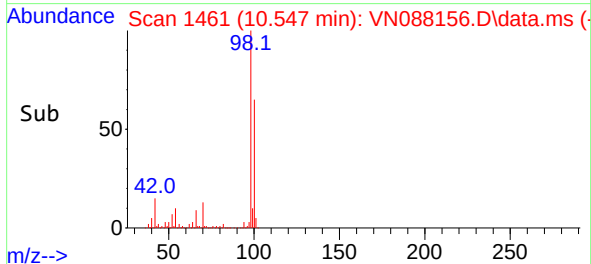
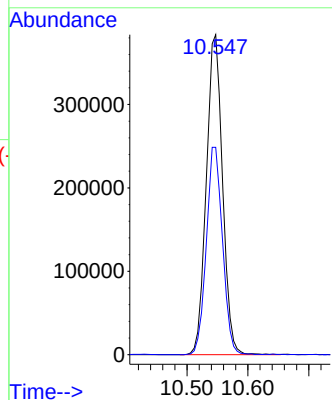
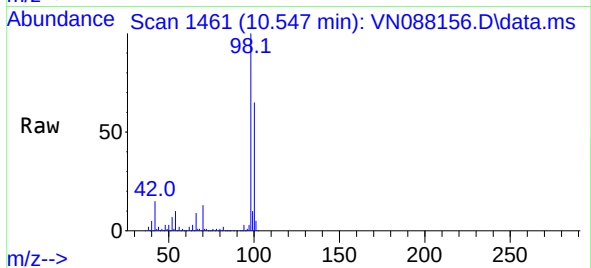




#50
Toluene-d8
Concen: 46.304 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088156.D
Acq: 29 Oct 2025 13:44

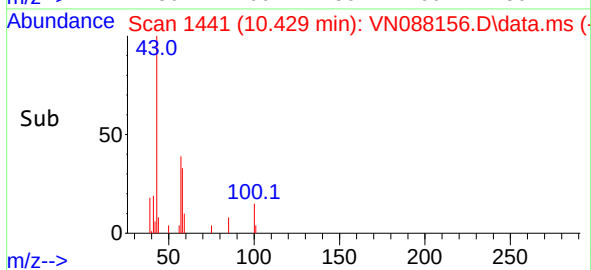
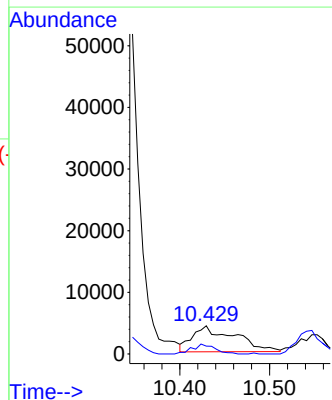
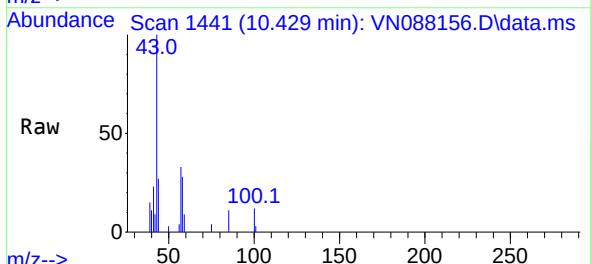
Instrument :
MSVOA_N
ClientSampleId :
PB170296TB

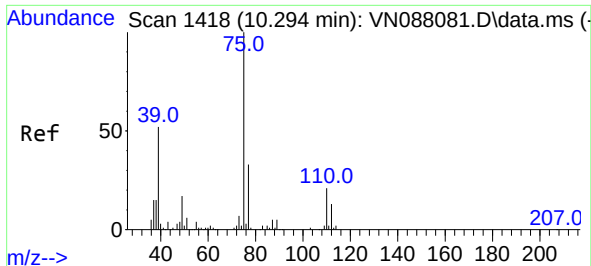
Tgt Ion: 98 Resp: 710422
Ion Ratio Lower Upper
98 100
100 64.8 52.8 79.2



#51
4-Methyl-2-Pentanone
Concen: 2.023 ug/l
RT: 10.429 min Scan# 1441
Delta R.T. 0.006 min
Lab File: VN088156.D
Acq: 29 Oct 2025 13:44

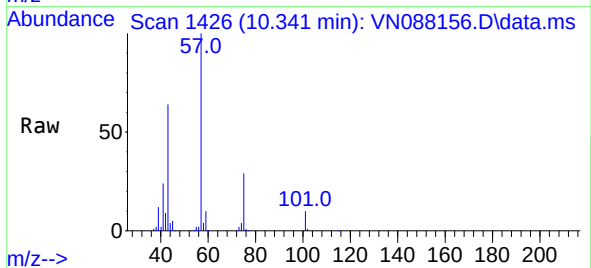
Tgt Ion: 43 Resp: 13800
Ion Ratio Lower Upper
43 100
58 20.2 29.6 44.4#



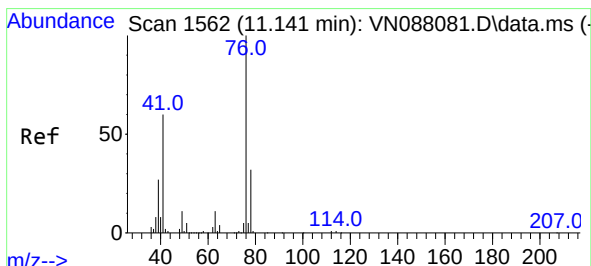
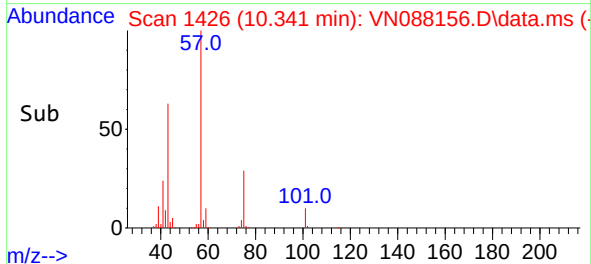
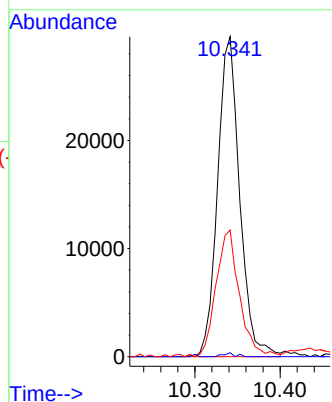


#54
cis-1,3-Dichloropropene
Concen: 7.379 ug/l
RT: 10.341 min Scan# 1418
Delta R.T. 0.053 min
Lab File: VN088156.D
Acq: 29 Oct 2025 13:44

Instrument :
MSVOA_N
ClientSampleId :
PB170296TB

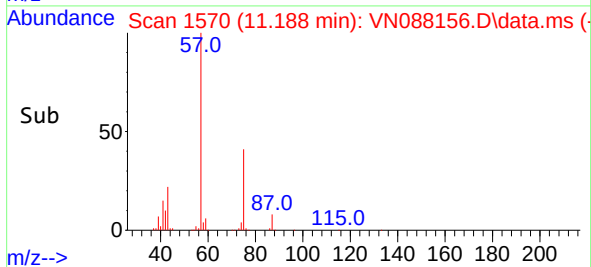
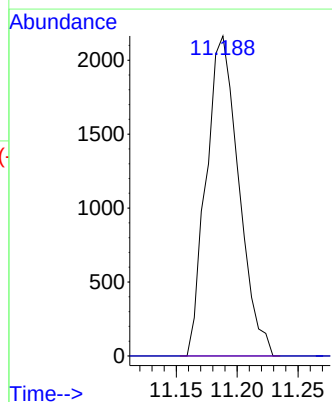
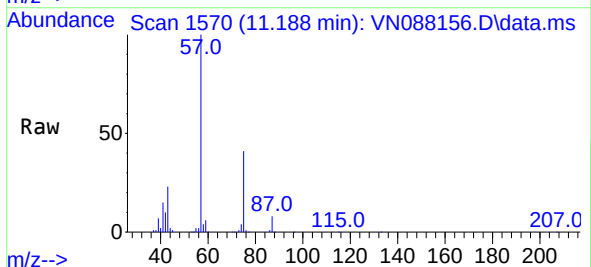


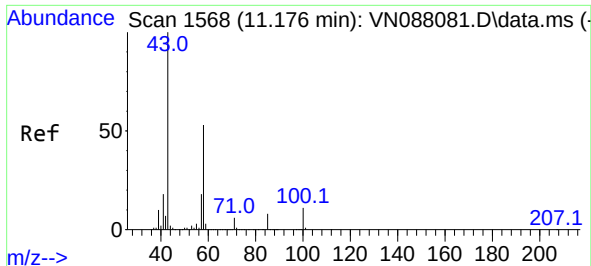
Tgt Ion: 75 Resp: 53194
Ion Ratio Lower Upper
75 100
77 1.2 24.6 37.0#
39 39.0 45.2 67.8#



#57
1,3-Dichloropropane
Concen: 0.552 ug/l
RT: 11.188 min Scan# 1570
Delta R.T. 0.047 min
Lab File: VN088156.D
Acq: 29 Oct 2025 13:44

Tgt Ion: 76 Resp: 4016
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.4#

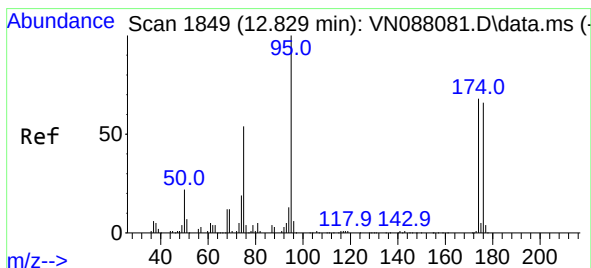
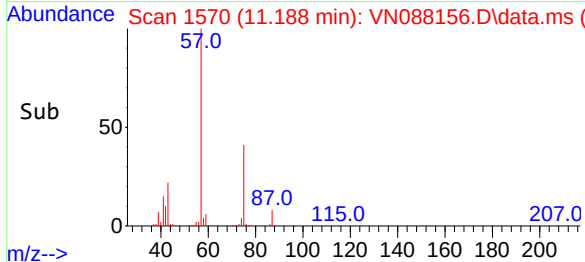
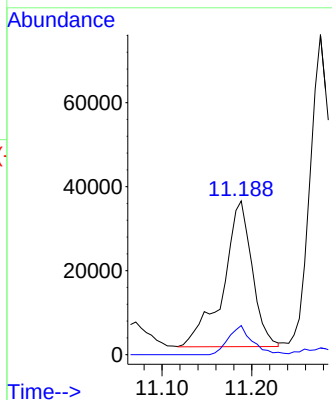
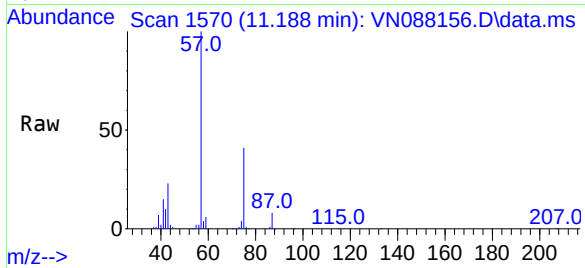




#59
2-Hexanone
Concen: 17.180 ug/l
RT: 11.188 min Scan# 1156
Delta R.T. 0.012 min
Lab File: VN088156.D
Acq: 29 Oct 2025 13:44

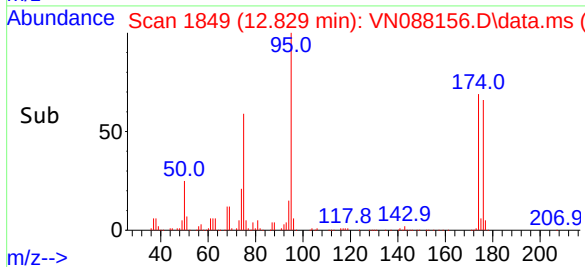
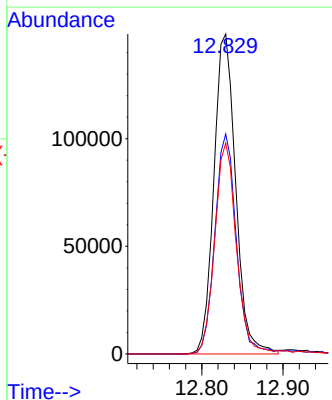
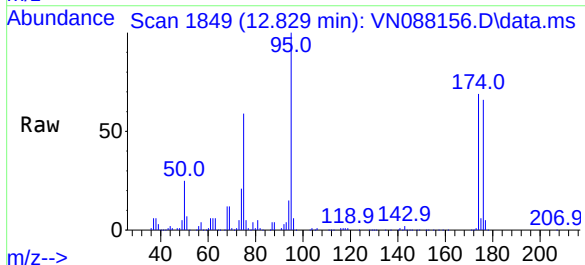
Instrument :
MSVOA_N
ClientSampleId :
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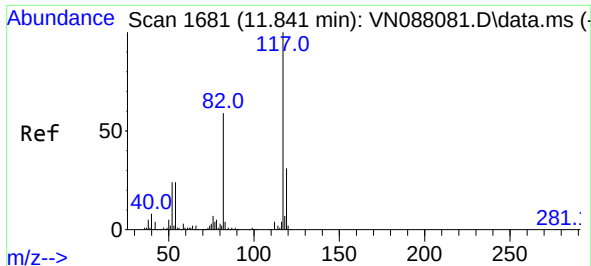
Tgt Ion: 43 Resp: 77731
Ion Ratio Lower Upper
43 100
58 16.5 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 51.282 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088156.D
Acq: 29 Oct 2025 13:44

Tgt Ion: 95 Resp: 277866
Ion Ratio Lower Upper
95 100
174 68.9 0.0 138.4
176 65.6 0.0 132.6

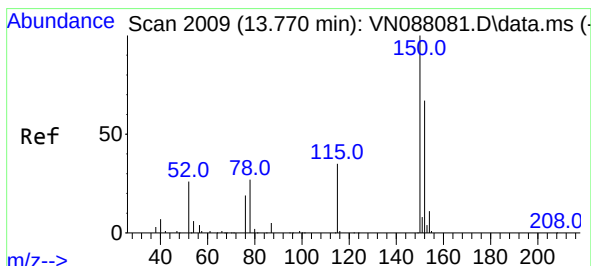
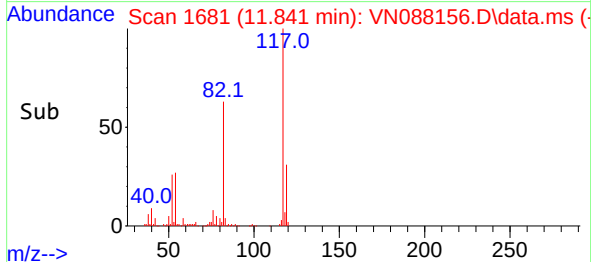
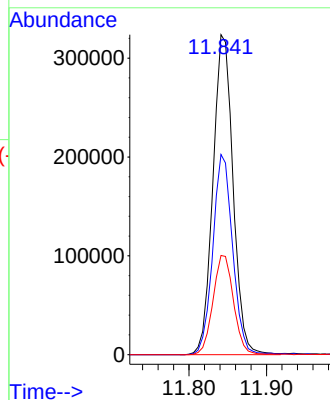
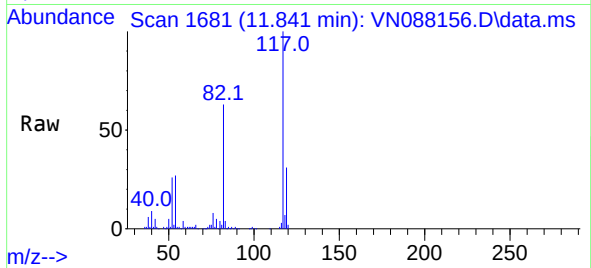




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088156.D
Acq: 29 Oct 2025 13:44

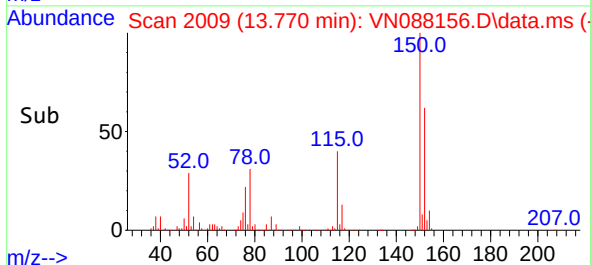
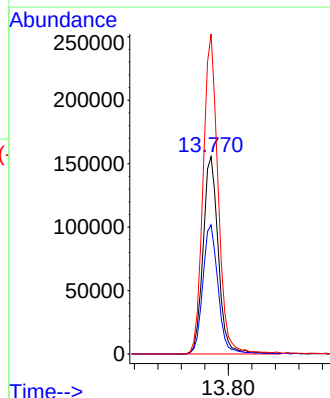
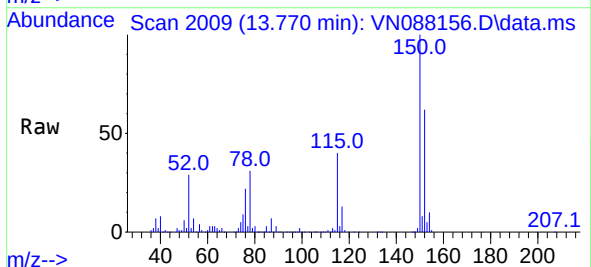
Instrument :
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ClientSampleId :
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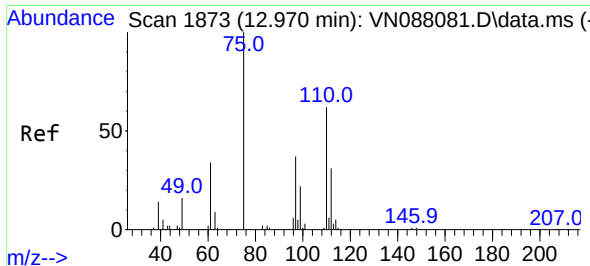
Tgt Ion:117 Resp: 583875
Ion Ratio Lower Upper
117 100
82 62.5 47.4 71.2
119 31.0 24.3 36.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN088156.D
Acq: 29 Oct 2025 13:44

Tgt Ion:152 Resp: 280235
Ion Ratio Lower Upper
152 100
115 65.8 32.3 96.8
150 159.5 0.0 351.0

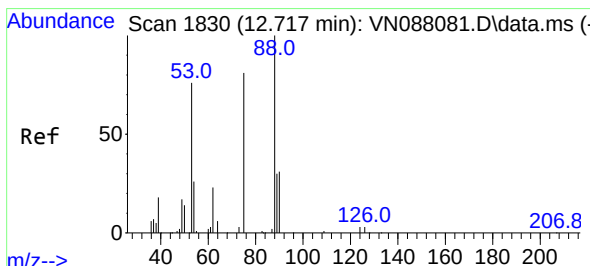
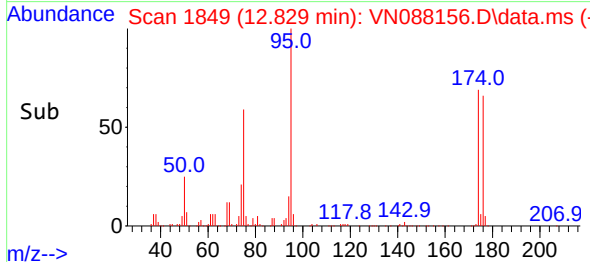
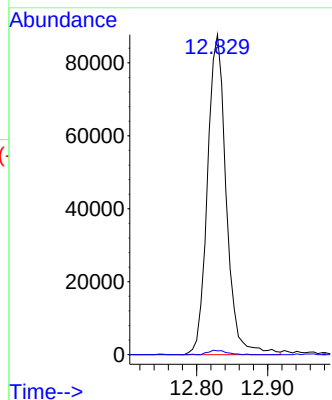
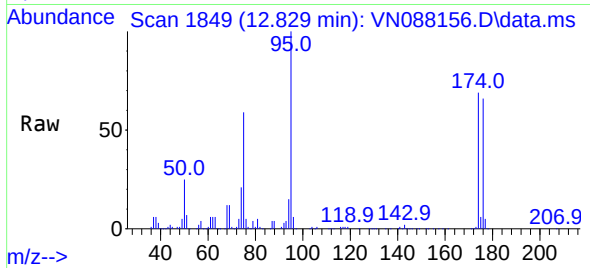




#76
1,2,3-Trichloropropane
Concen: 25.175 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN088156.D
Acq: 29 Oct 2025 13:44

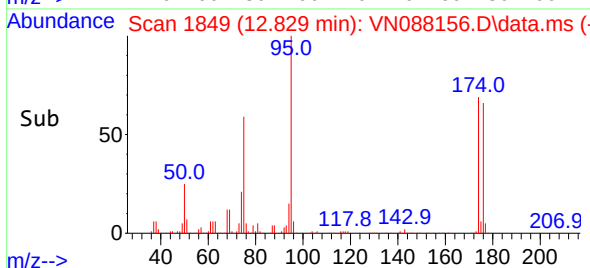
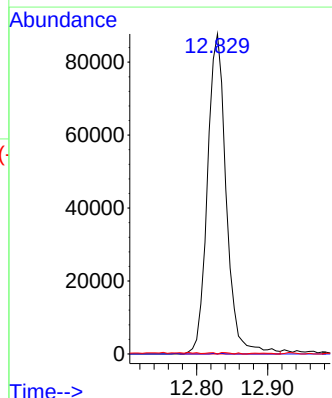
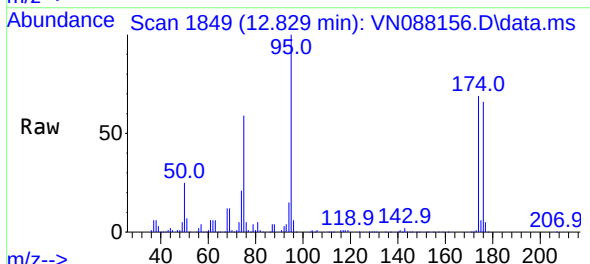
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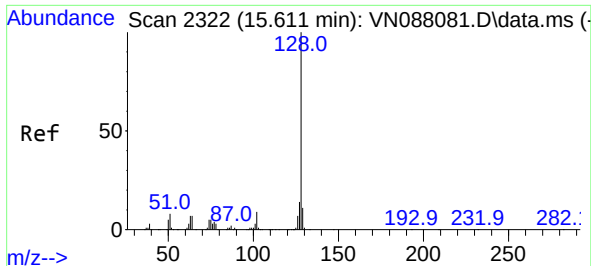
Tgt Ion: 75 Resp: 161300
Ion Ratio Lower Upper
75 100
77 1.4 89.1 267.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.228 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN088156.D
Acq: 29 Oct 2025 13:44

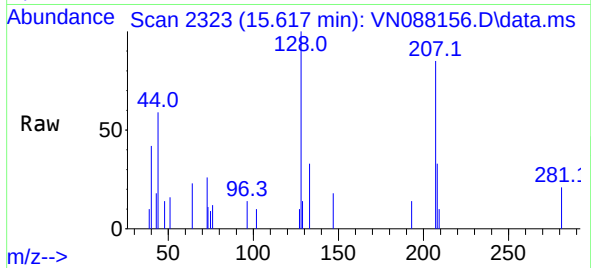
Tgt Ion: 75 Resp: 161300
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.2 35.6 53.4#





#95
Naphthalene
Concen: 0.214 ug/l
RT: 15.617 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN088156.D
Acq: 29 Oct 2025 13:44

Instrument :
MSVOA_N
ClientSampleId :
PB170296TB



Tgt Ion:	128	Resp:	3977
Ion	Ratio	Lower	Upper
128	100		
127	3.1	10.6	15.8#
129	3.8	8.6	12.8#

