

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111325\
 Data File : VN088279.D
 Acq On : 13 Nov 2025 12:11
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Nov 14 00:53:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 14 00:49:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.800	128	59621	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	325133	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	281891	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	166466	30.567	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.900%
60) 4-Bromofluorobenzene	12.829	95	130627	27.413	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	91.367%
63) Toluene-d8	10.547	98	408950	30.643	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.133%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.148	85	875	0.209	ug/l	96
3) Chloromethane	2.383	50	1127	0.261	ug/l	96
4) Vinyl Chloride	2.542	62	985	0.216	ug/l #	43
5) Bromomethane	2.977	94	786	0.323	ug/l	98
11) Methyl Iodide	4.583	142	1396	0.400	ug/l #	30
12) Methyl Acetate	5.030	43	1780	0.337	ug/l #	79
13) Acrolein	4.177	56	2354	3.025	ug/l #	43
14) Acrylonitrile	5.718	53	2492	1.037	ug/l	85
15) Acetone	4.424	58	286	0.407	ug/l #	64
16) Carbon Disulfide	4.712	76	14422	1.304	ug/l	98
18) Methylene Chloride	5.265	84	1033	0.253	ug/l #	37
23) tert-Butyl Alcohol	5.506	59	1504	1.702	ug/l #	100
26) Cyclohexane	8.241	56	1587	0.245	ug/l #	86
30) 2-Butanone	7.477	43	1282	0.365	ug/l #	88
36) 1,2-Dichloroethane	8.647	62	1389	0.220	ug/l #	76
38) Methylcyclohexane	9.582	83	3214	0.517	ug/l #	37
40) Dibromomethane	9.694	93	714	0.238	ug/l	61
45) 1,4-Dioxane	9.677	88	5398	82.378	ug/l #	83
46) Methyl methacrylate	9.582	41	1392	0.273	ug/l	63
48) t-1,3-Dichloropropene	10.818	75	1394	0.215	ug/l #	73
51) Ethyl methacrylate	10.547	69	1436	0.235	ug/l	82
55) 2-Chloroethyl vinyl ether	10.141	63	2034	0.577	ug/l #	64
58) 4-Methyl-2-Pentanone	10.424	43	3646	0.572	ug/l #	78
61) Tetrachloroethene	11.088	164	846	0.291	ug/l #	81
67) m/p-Xylenes	12.059	106	2685	0.403	ug/l	100
70) Isopropylbenzene	12.676	105	5277	0.317	ug/l #	77
72) 1,2,3-Trichloropropane	12.976	75	1248	0.239	ug/l	12
73) Bromobenzene	12.959	156	1016	0.270	ug/l	9
74) n-propylbenzene	13.018	91	7800	0.378	ug/l	84
75) 2-Chlorotoluene	13.106	91	4019	0.320	ug/l	96
76) 1,3,5-Trimethylbenzene	13.147	105	4773	0.341	ug/l	66
77) t-1,4-Dichloro-2-butene	12.829	75	76022	42.322	ug/l #	10
78) 4-Chlorotoluene	13.206	91	4217	0.332	ug/l	74
79) tert-butylbenzene	13.418	119	5996	0.501	ug/l	91
80) 1,2,4-Trimethylbenzene	13.470	105	4753	0.342	ug/l	92
81) sec-Butylbenzene	13.588	105	11466	0.656	ug/l	91
82) p-Isopropyltoluene	13.706	119	7868	0.545	ug/l	89
85) n-Butylbenzene	14.035	91	10290	0.748	ug/l	97
86) Hexachloroethane	14.306	117	1875	0.678	ug/l	93

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111325\
Data File : VN088279.D
Acq On : 13 Nov 2025 12:11
Operator : JC\MD
Sample : IBLK
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Quant Time: Nov 14 00:53:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 14 00:49:21 2025
Response via : Initial Calibration

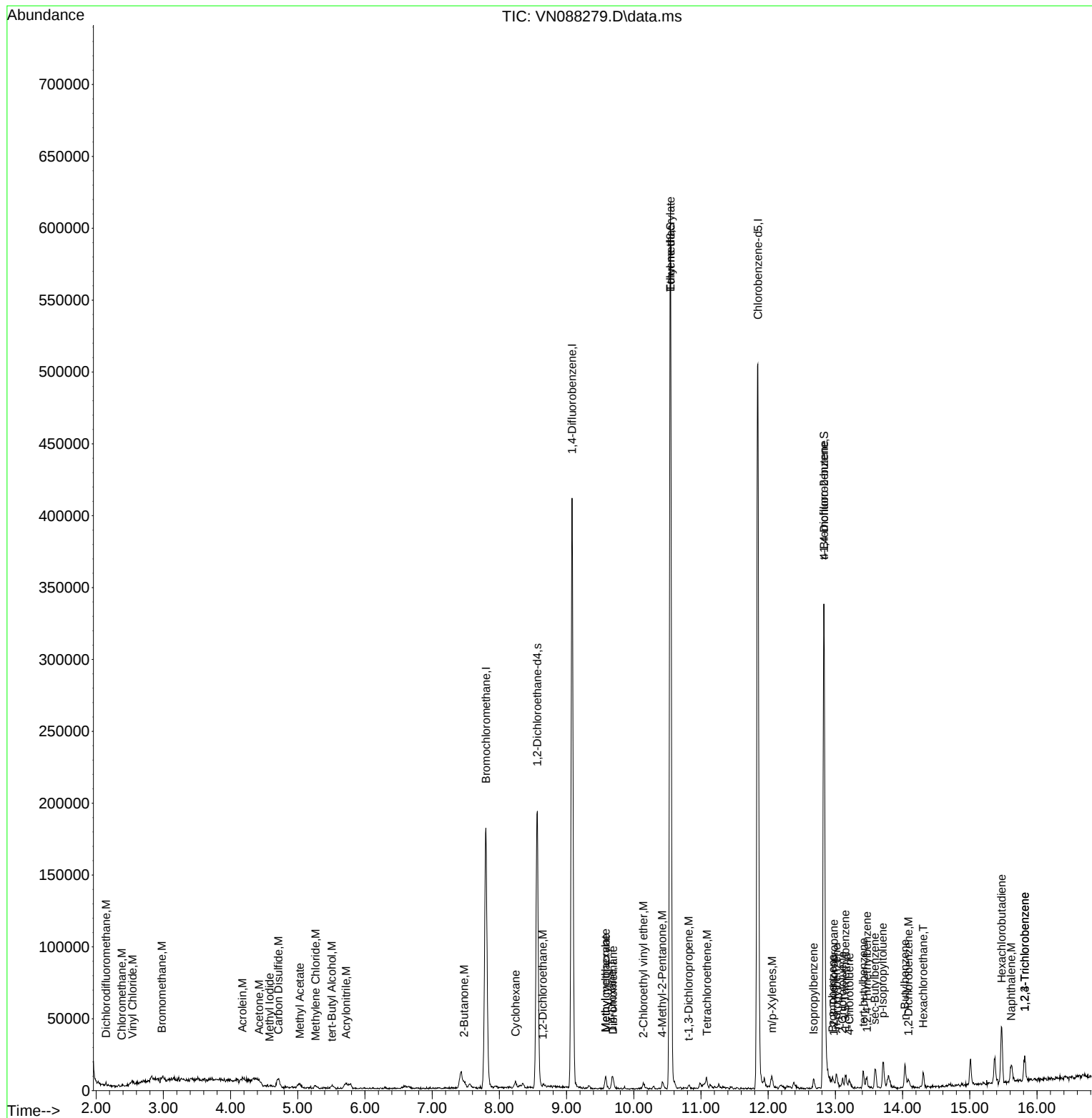
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) 1,2-Dichlorobenzene	14.088	146	2426	0.352	ug/l	76
89) 1,2,4-Trichlorobenzene	15.817	180	6173	1.594	ug/l	92
90) Hexachlorobutadiene	15.476	225	7073	4.703	ug/l	90
91) Naphthalene	15.617	128	13779	0.983	ug/l #	88
92) 1,2,3-Trichlorobenzene	15.817	180	6173	1.594	ug/l	92

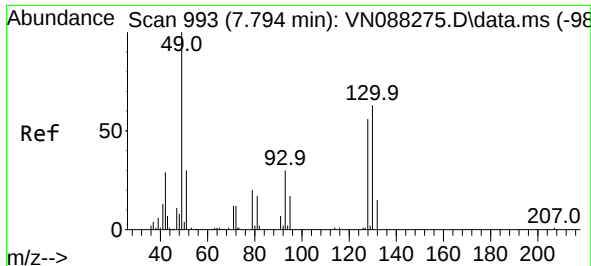
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111325\
Data File : VN088279.D
Acq On : 13 Nov 2025 12:11
Operator : JC\MD
Sample : IBLK
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Quant Time: Nov 14 00:53:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 14 00:49:21 2025
Response via : Initial Calibration

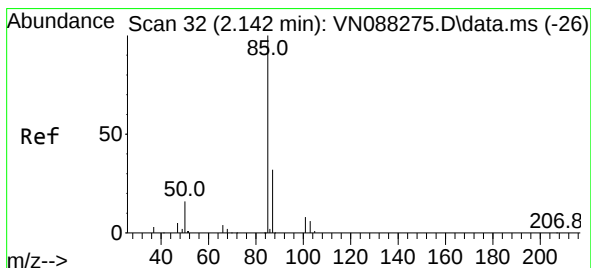
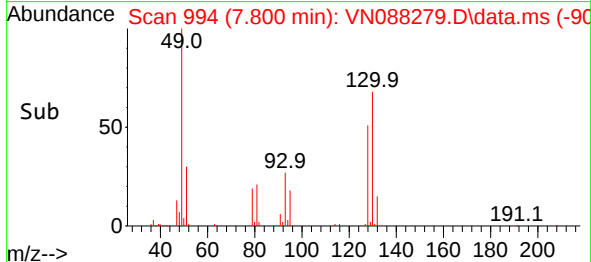
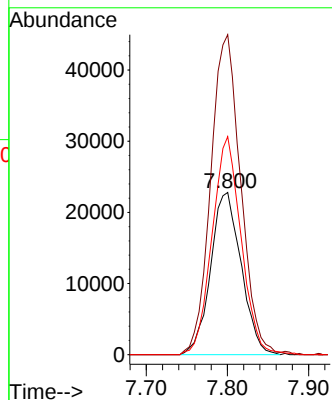
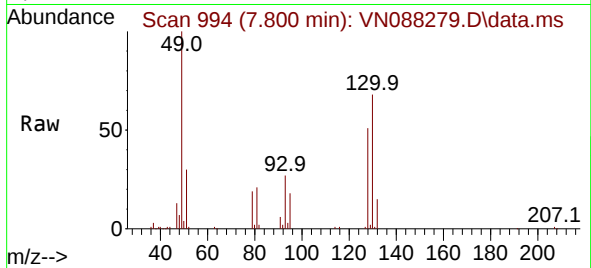




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 993
Delta R.T. 0.006 min
Lab File: VN088279.D
Acq: 13 Nov 2025 12:11

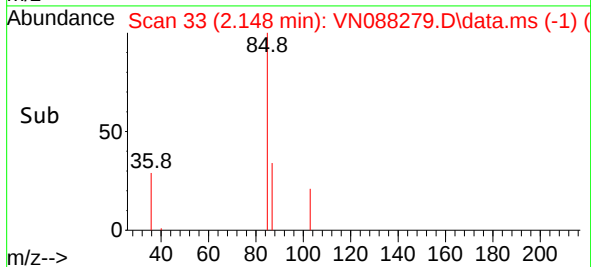
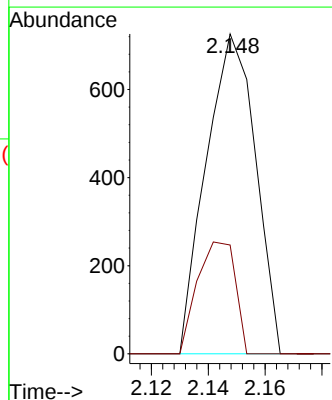
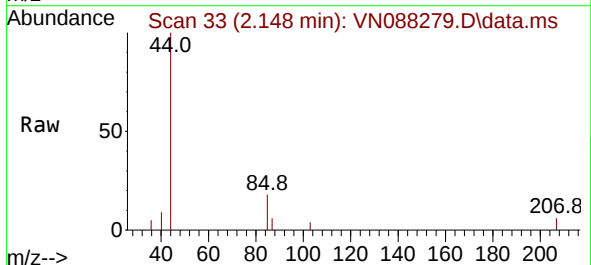
Instrument :
MSVOA_N
ClientSampleId :
IBLK

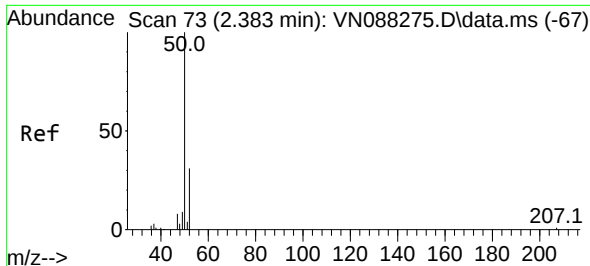
Tgt Ion:128 Resp: 59621
Ion Ratio Lower Upper
128 100
49 193.2 0.0 501.2
130 127.5 0.0 320.2



#2
Dichlorodifluoromethane
Concen: 0.209 ug/l
RT: 2.148 min Scan# 33
Delta R.T. 0.006 min
Lab File: VN088279.D
Acq: 13 Nov 2025 12:11

Tgt Ion: 85 Resp: 875
Ion Ratio Lower Upper
85 100
87 34.0 16.0 48.0

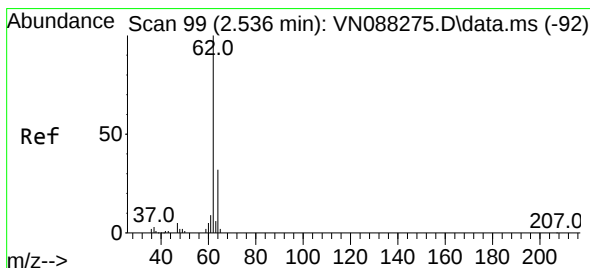
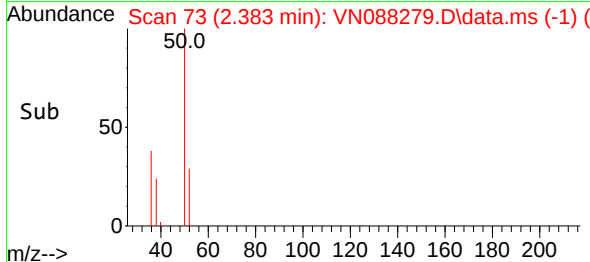
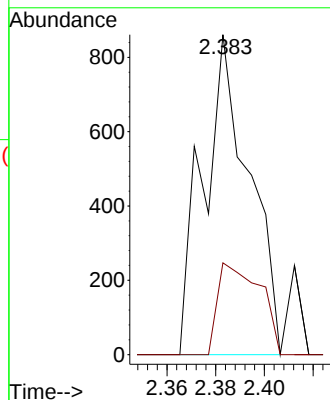
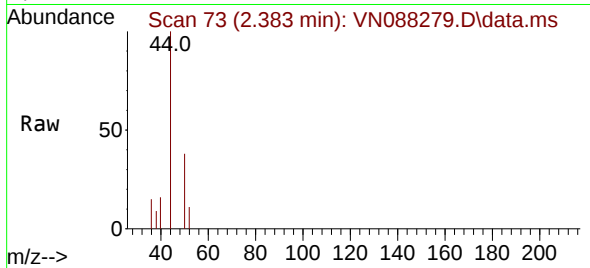




#3
Chloromethane
Concen: 0.261 ug/l
RT: 2.383 min Scan# 71
Delta R.T. -0.000 min
Lab File: VN088279.D
Acq: 13 Nov 2025 12:11

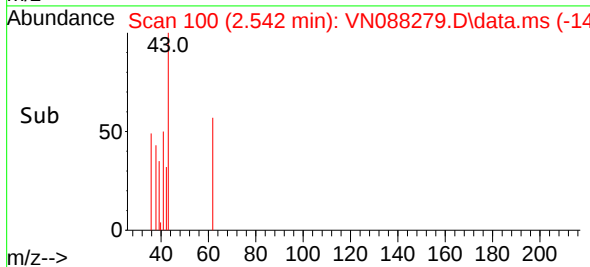
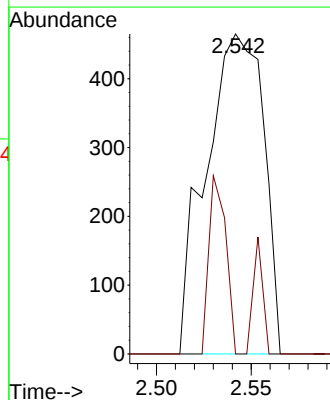
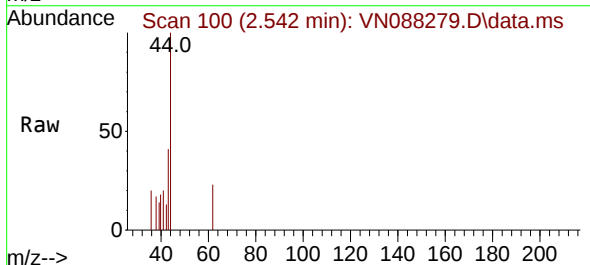
Instrument :
MSVOA_N
ClientSampleId :
IBLK

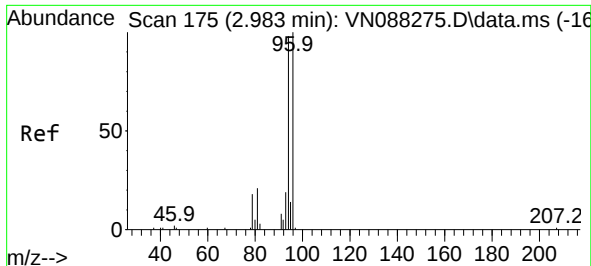
Tgt Ion: 50 Resp: 1127
Ion Ratio Lower Upper
50 100
52 28.7 24.6 36.8



#4
Vinyl Chloride
Concen: 0.216 ug/l
RT: 2.542 min Scan# 100
Delta R.T. 0.006 min
Lab File: VN088279.D
Acq: 13 Nov 2025 12:11

Tgt Ion: 62 Resp: 985
Ion Ratio Lower Upper
62 100
64 0.0 25.4 38.2#

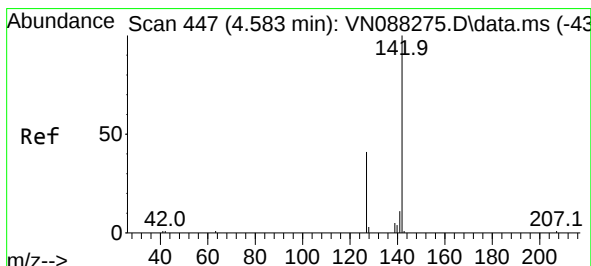
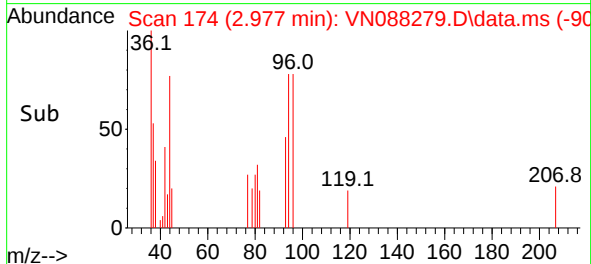
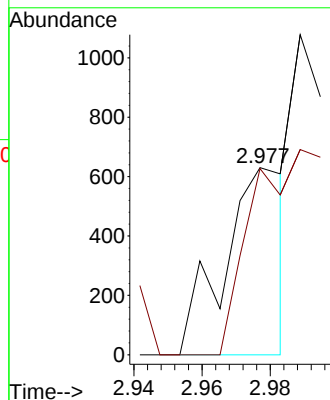
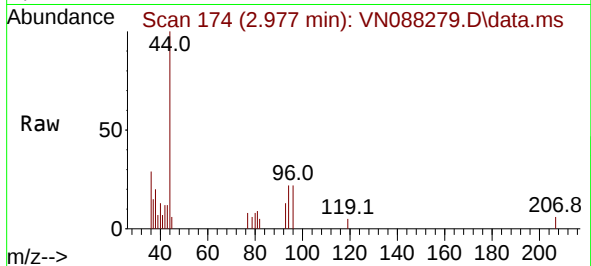




#5
Bromomethane
Concen: 0.323 ug/l
RT: 2.977 min Scan# 174
Delta R.T. -0.006 min
Lab File: VN088279.D
Acq: 13 Nov 2025 12:11

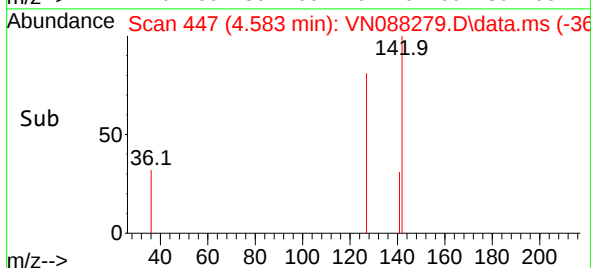
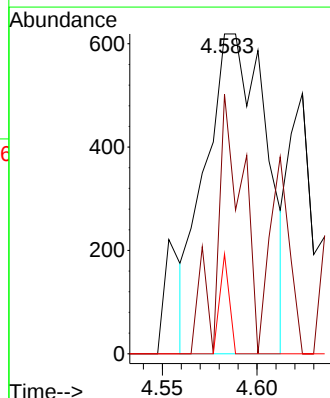
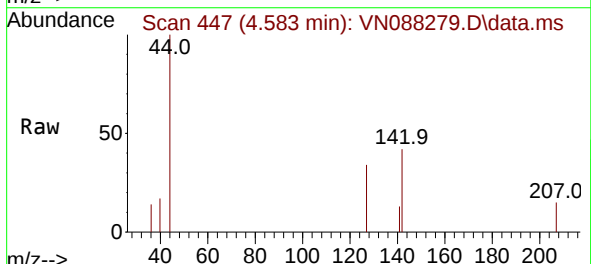
Instrument :
MSVOA_N
ClientSampleId :
IBLK

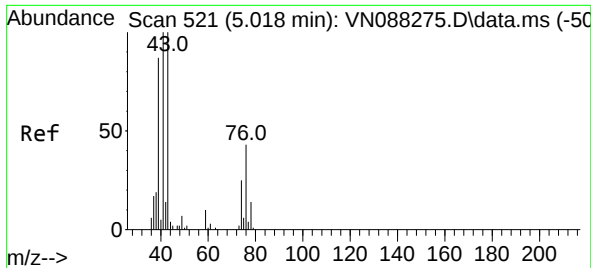
Tgt Ion: 94 Resp: 786
Ion Ratio Lower Upper
94 100
96 99.5 81.3 121.9



#11
Methyl Iodide
Concen: 0.400 ug/l
RT: 4.583 min Scan# 447
Delta R.T. -0.000 min
Lab File: VN088279.D
Acq: 13 Nov 2025 12:11

Tgt Ion: 142 Resp: 1396
Ion Ratio Lower Upper
142 100
127 79.3 20.4 61.2#
141 49.1 5.6 16.8#

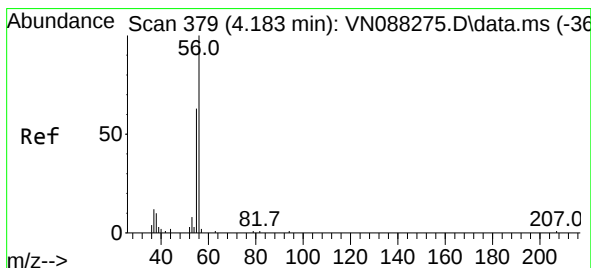
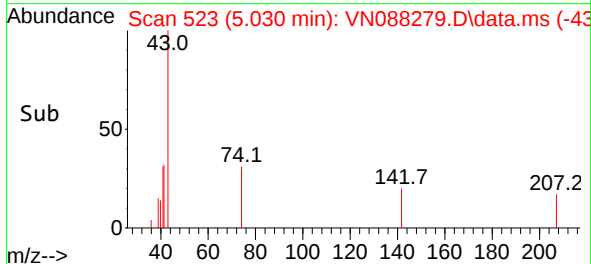
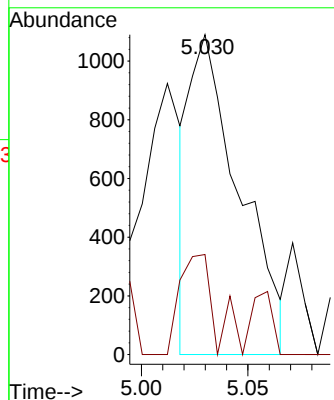
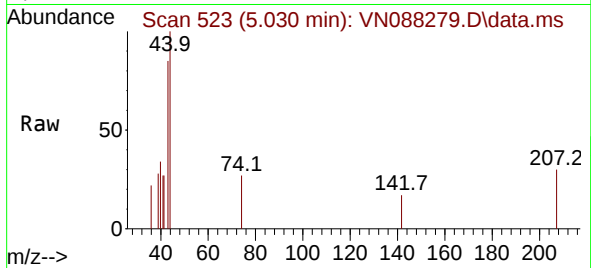




#12
Methyl Acetate
Concen: 0.337 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN088279.D
Acq: 13 Nov 2025 12:11

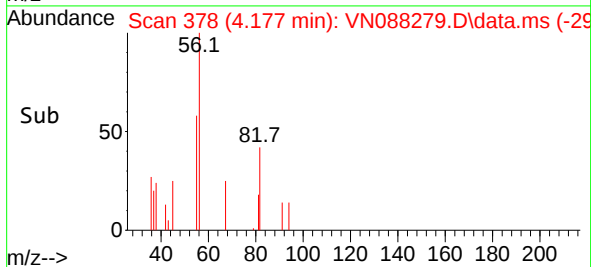
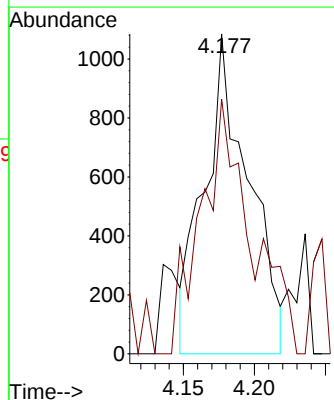
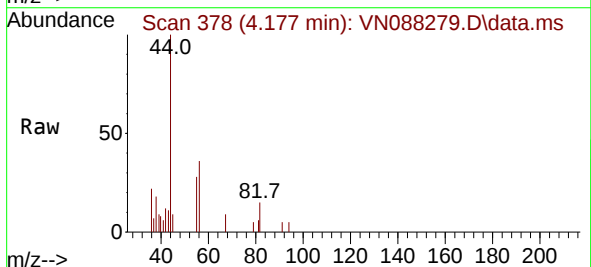
Instrument :
MSVOA_N
ClientSampleId :
IBLK

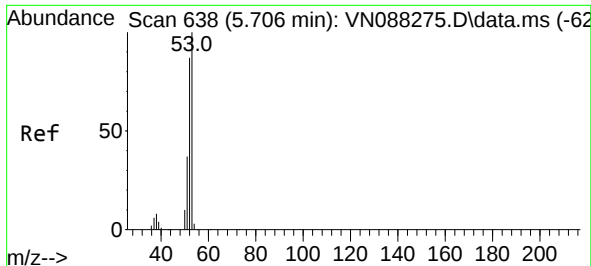
Tgt Ion: 43 Resp: 1780
Ion Ratio Lower Upper
43 100
74 35.3 19.8 29.8#



#13
Acrolein
Concen: 3.025 ug/l
RT: 4.177 min Scan# 378
Delta R.T. -0.006 min
Lab File: VN088279.D
Acq: 13 Nov 2025 12:11

Tgt Ion: 56 Resp: 2354
Ion Ratio Lower Upper
56 100
55 24.6 57.9 86.9#

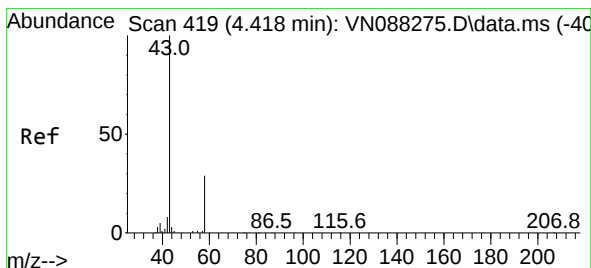
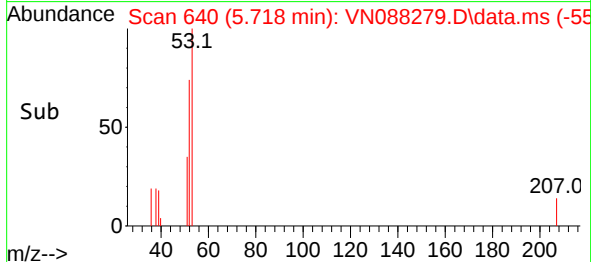
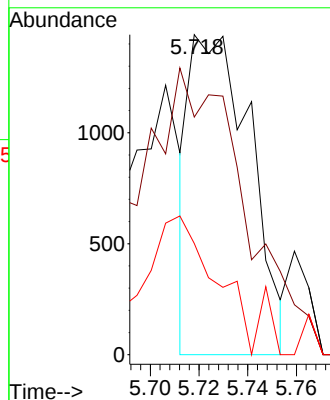
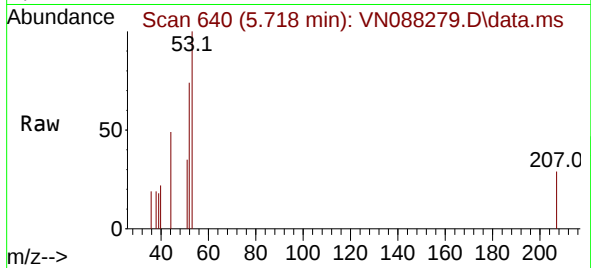




#14
Acrylonitrile
Concen: 1.037 ug/l
RT: 5.718 min Scan# 640
Delta R.T. 0.012 min
Lab File: VN088279.D
Acq: 13 Nov 2025 12:11

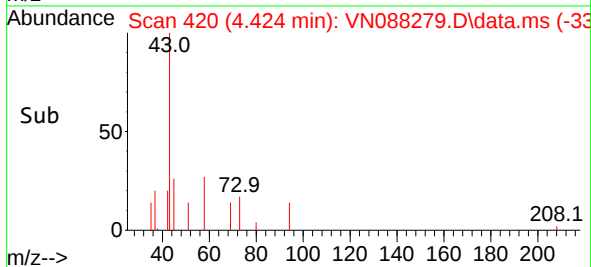
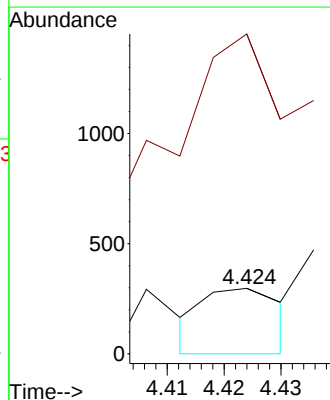
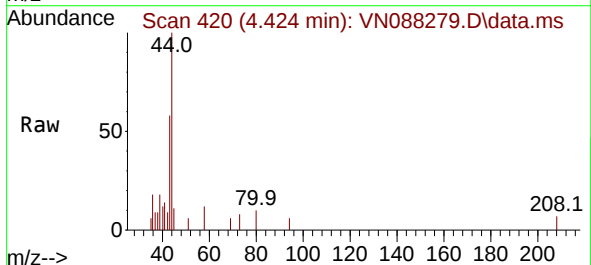
Instrument :
MSVOA_N
ClientSampleId :
IBLK

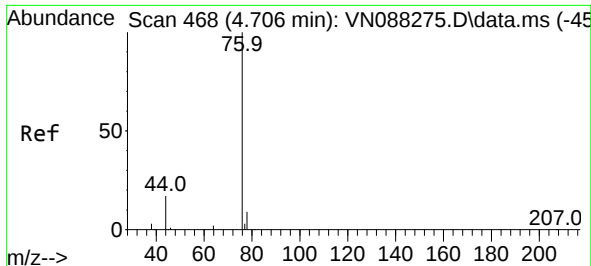
Tgt Ion:	53	Resp:	2492
Ion	Ratio	Lower	Upper
53	100		
52	96.5	42.3	126.9
51	48.6	18.4	55.2



#15
Acetone
Concen: 0.407 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN088279.D
Acq: 13 Nov 2025 12:11

Tgt Ion:	58	Resp:	286
Ion	Ratio	Lower	Upper
58	100		
43	419.7	273.9	410.9#

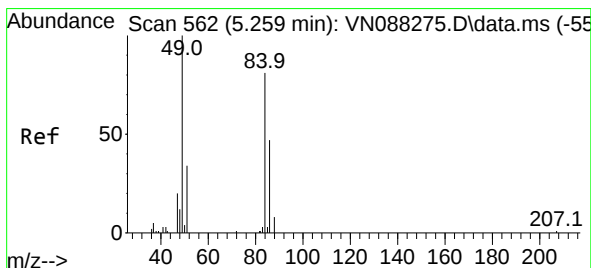
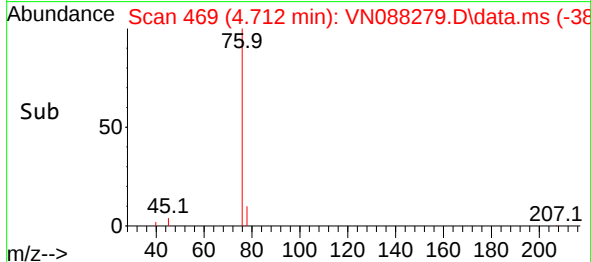
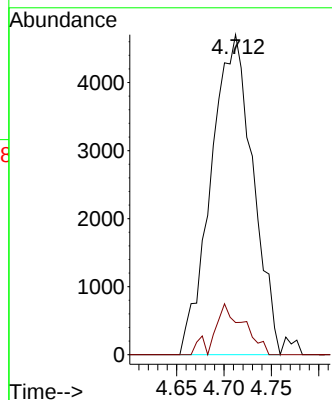
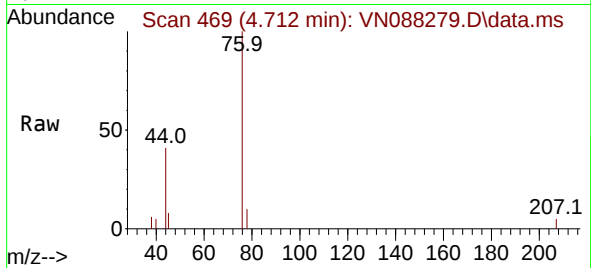




#16
Carbon Disulfide
Concen: 1.304 ug/l
RT: 4.712 min Scan# 40
Delta R.T. 0.006 min
Lab File: VN088279.D
Acq: 13 Nov 2025 12:11

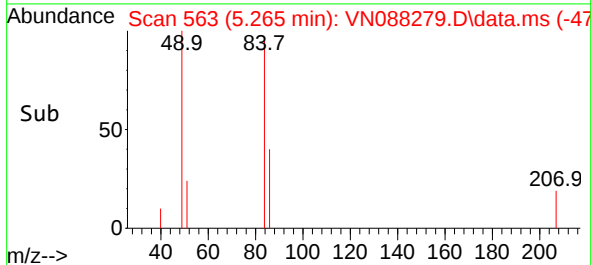
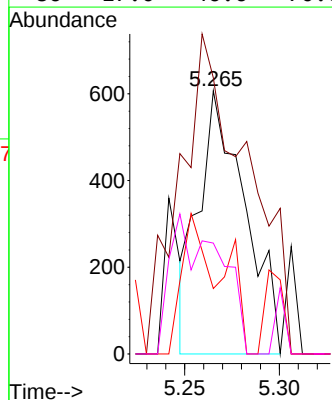
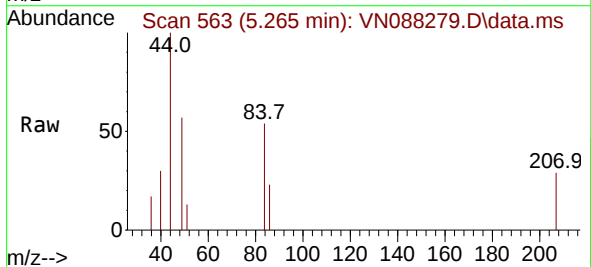
Instrument :
MSVOA_N
ClientSampleId :
IBLK

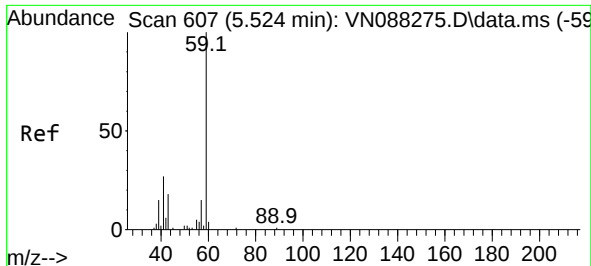
Tgt Ion: 76 Resp: 14422
Ion Ratio Lower Upper
76 100
78 10.1 7.5 11.3



#18
Methylene Chloride
Concen: 0.253 ug/l
RT: 5.265 min Scan# 563
Delta R.T. 0.006 min
Lab File: VN088279.D
Acq: 13 Nov 2025 12:11

Tgt Ion: 84 Resp: 1033
Ion Ratio Lower Upper
84 100
49 49.6 98.7 148.1#
51 0.0 33.7 50.5#
86 17.0 46.6 70.0#

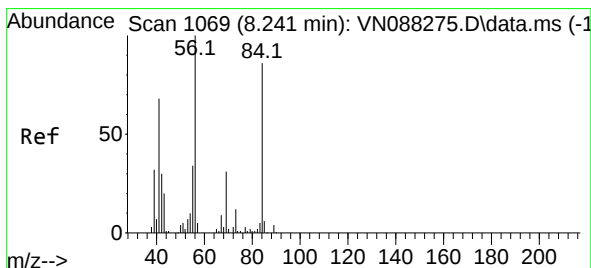
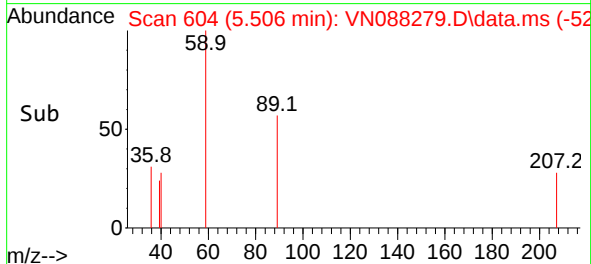
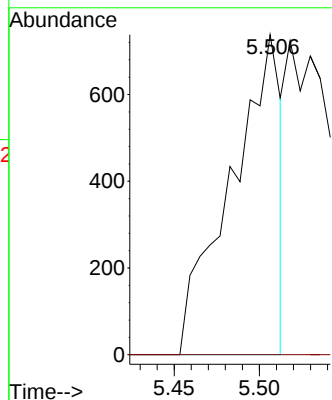
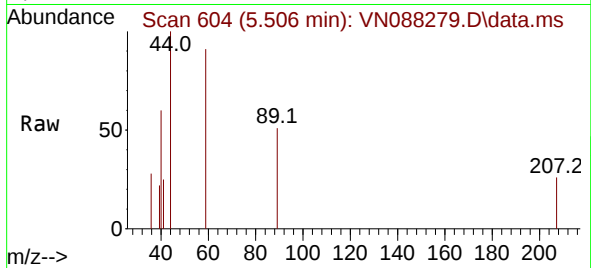




#23
tert-Butyl Alcohol
Concen: 1.702 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.018 min
Lab File: VN088279.D
Acq: 13 Nov 2025 12:11

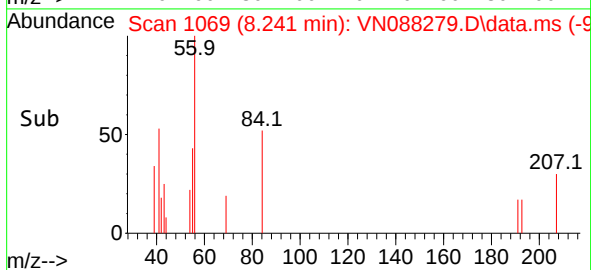
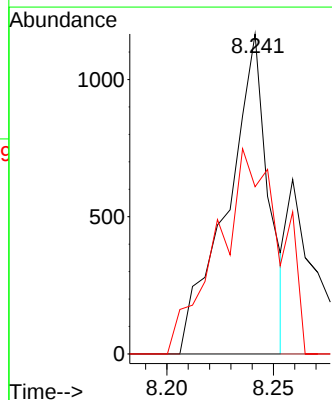
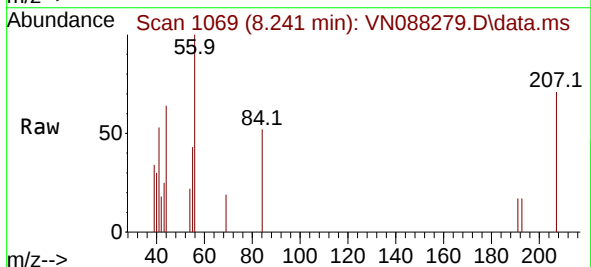
Instrument :
MSVOA_N
ClientSampleId :
IBLK

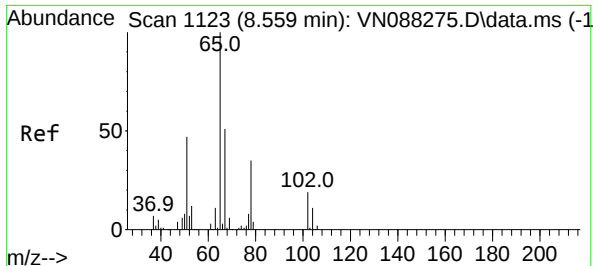
Tgt Ion: 59 Resp: 1504
Ion Ratio Lower Upper
59 100
52 160.0 0.0 0.0#



#26
Cyclohexane
Concen: 0.245 ug/l
RT: 8.241 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VN088279.D
Acq: 13 Nov 2025 12:11

Tgt Ion: 56 Resp: 1587
Ion Ratio Lower Upper
56 100
89 0.0 7.3 10.9#
84 96.2 67.8 101.8





#27

1,2-Dichloroethane-d4

Concen: 30.567 ug/l

RT: 8.565 min Scan# 1123

Delta R.T. 0.006 min

Lab File: VN088279.D

Acq: 13 Nov 2025 12:11

Instrument :

MSVOA_N

ClientSampleId :

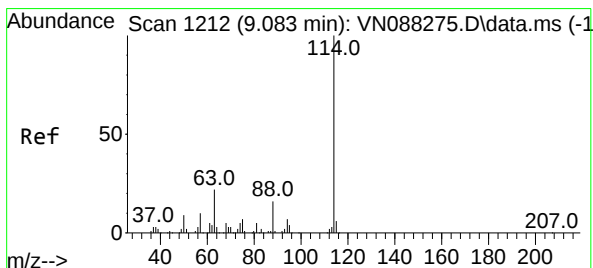
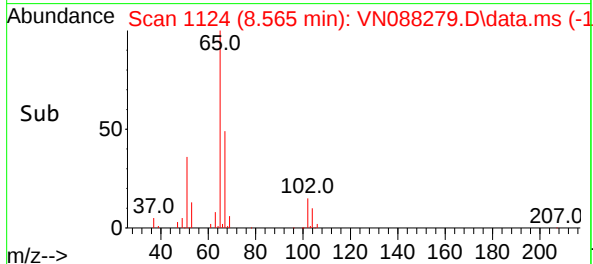
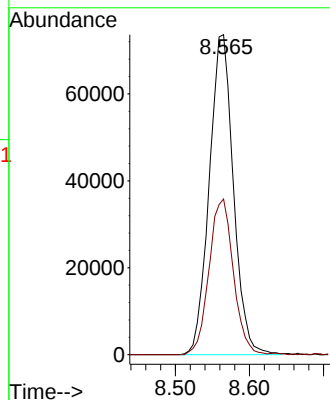
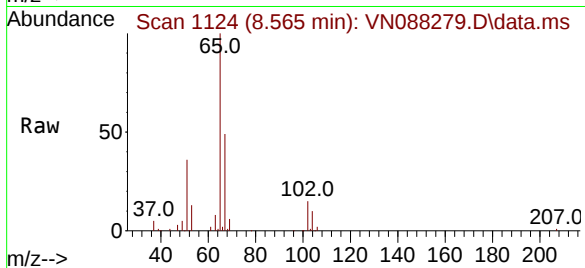
IBLK

Tgt Ion: 65 Resp: 166466

Ion Ratio Lower Upper

65 100

67 49.0 40.2 60.2



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN088279.D

Acq: 13 Nov 2025 12:11

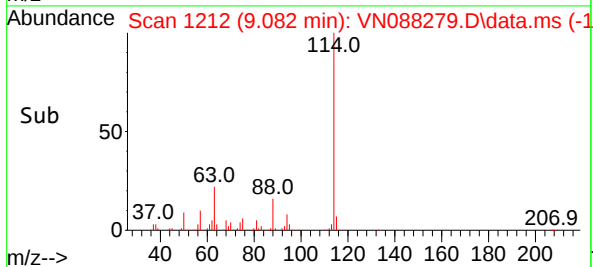
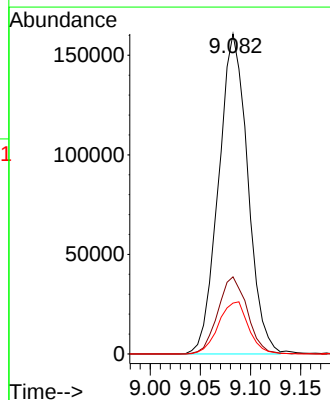
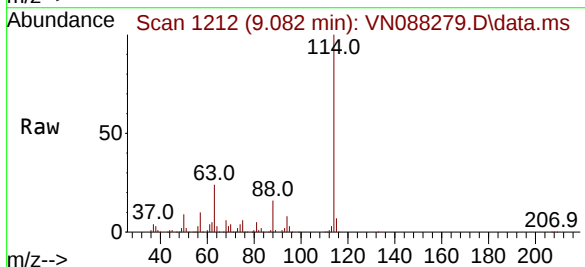
Tgt Ion: 114 Resp: 325133

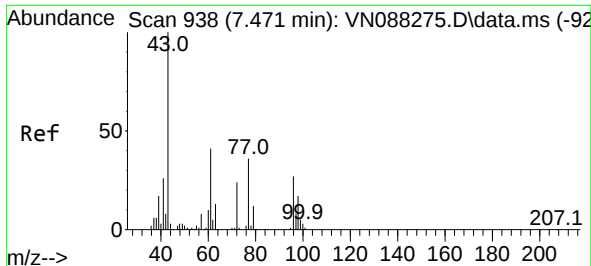
Ion Ratio Lower Upper

114 100

63 24.2 18.9 28.3

88 16.7 12.8 19.2

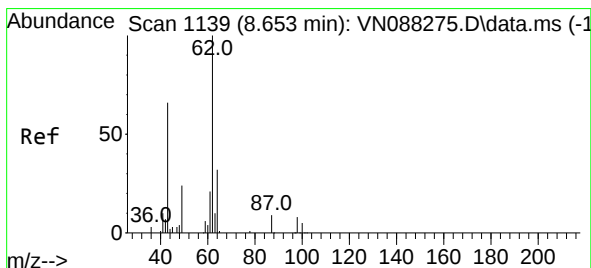
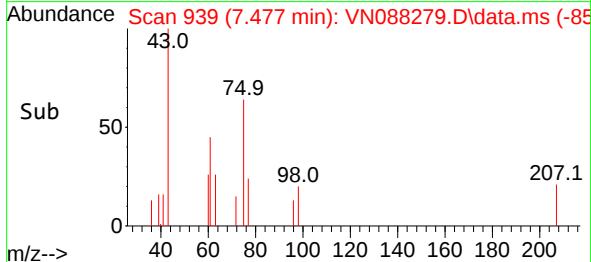
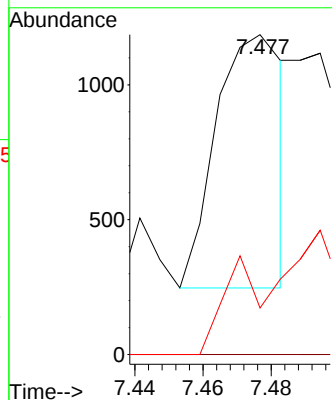
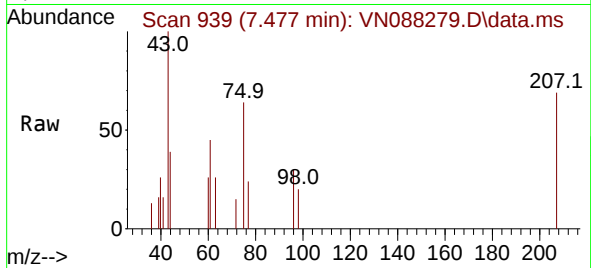




#30
2-Butanone
Concen: 0.365 ug/l
RT: 7.477 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN088279.D
Acq: 13 Nov 2025 12:11

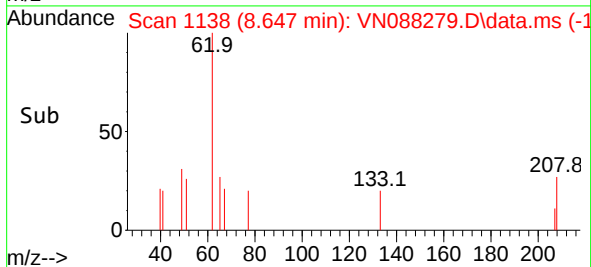
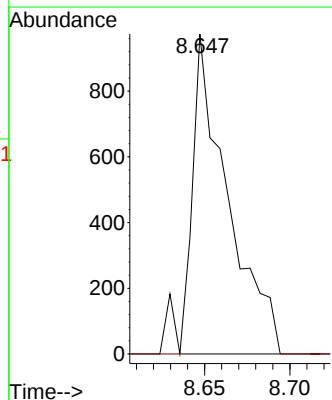
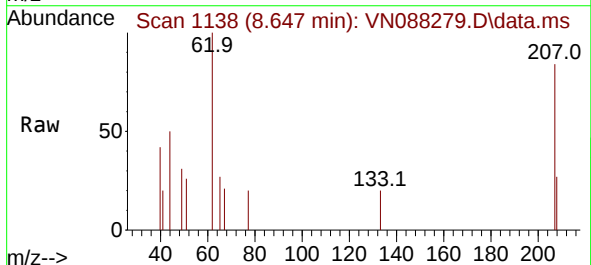
Instrument :
MSVOA_N
ClientSampleId :
IBLK

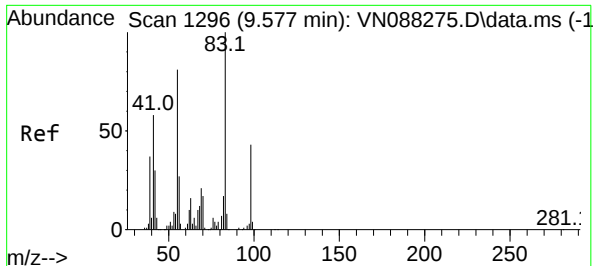
Tgt Ion: 43 Resp: 1282
Ion Ratio Lower Upper
43 100
57 0.0 6.2 9.4#
72 20.0 19.4 29.2



#36
1,2-Dichloroethane
Concen: 0.220 ug/l
RT: 8.647 min Scan# 1138
Delta R.T. -0.006 min
Lab File: VN088279.D
Acq: 13 Nov 2025 12:11

Tgt Ion: 62 Resp: 1389
Ion Ratio Lower Upper
62 100
98 0.0 6.8 10.2#





#38

Methylcyclohexane

Concen: 0.517 ug/l

RT: 9.582 min Scan# 1297

Delta R.T. 0.006 min

Lab File: VN088279.D

Acq: 13 Nov 2025 12:11

Instrument :

MSVOA_N

ClientSampleId :

IBLK

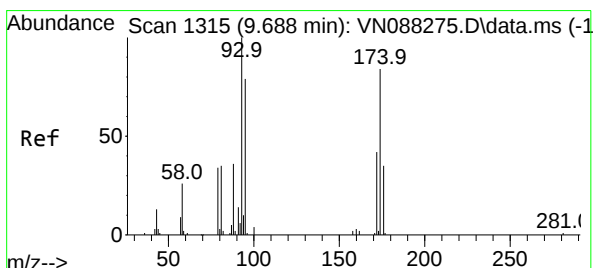
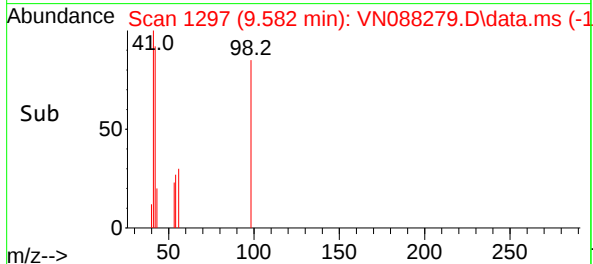
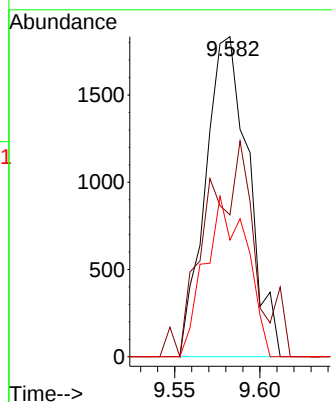
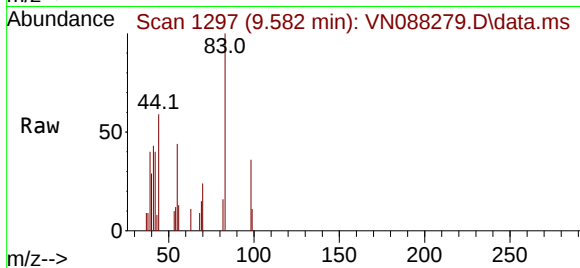
Tgt Ion: 83 Resp: 3214

Ion Ratio Lower Upper

83 100

55 28.5 40.8 122.5#

98 0.0 23.4 70.3#



#40

Dibromomethane

Concen: 0.238 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. 0.006 min

Lab File: VN088279.D

Acq: 13 Nov 2025 12:11

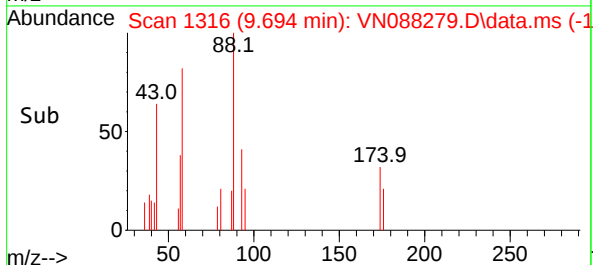
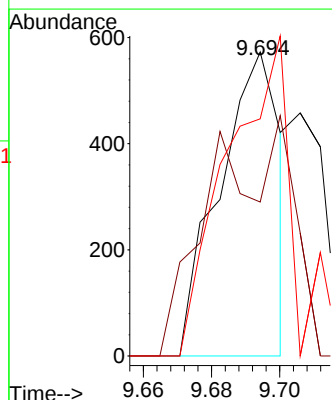
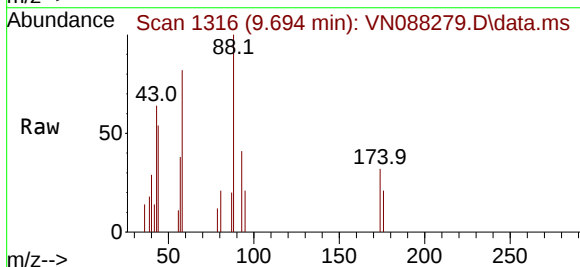
Tgt Ion: 93 Resp: 714

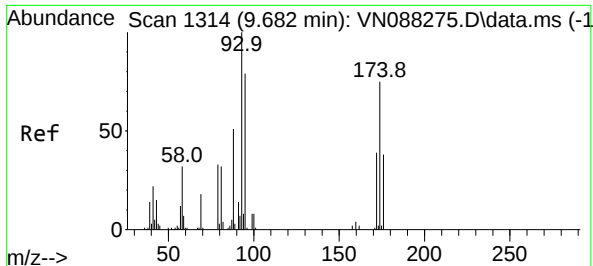
Ion Ratio Lower Upper

93 100

95 33.9 0.0 161.6

174 101.1 0.0 158.2

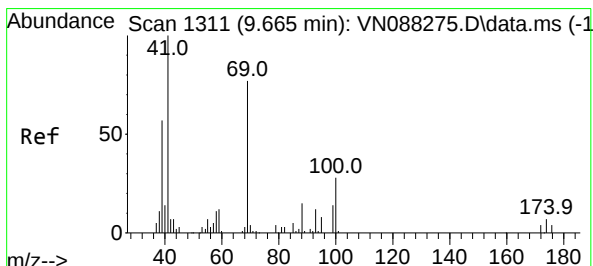
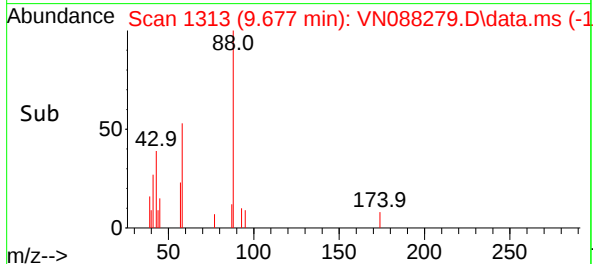
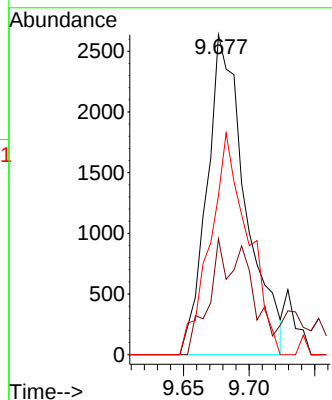
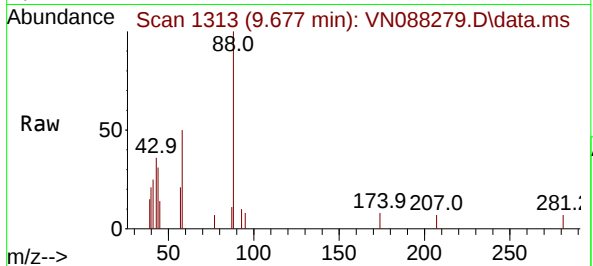




#45
1,4-Dioxane
Concen: 82.378 ug/l
RT: 9.677 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN088279.D
Acq: 13 Nov 2025 12:11

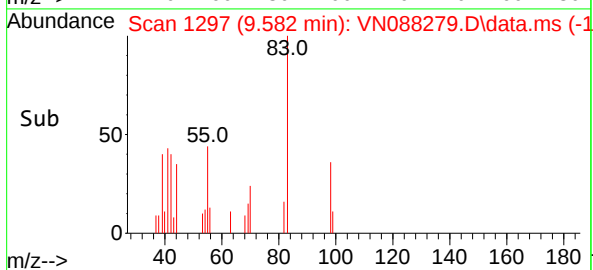
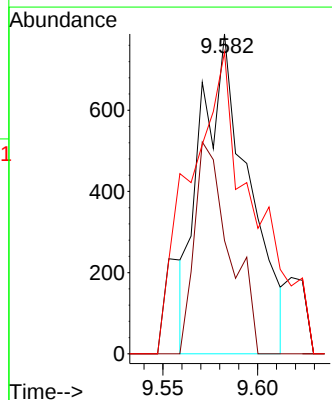
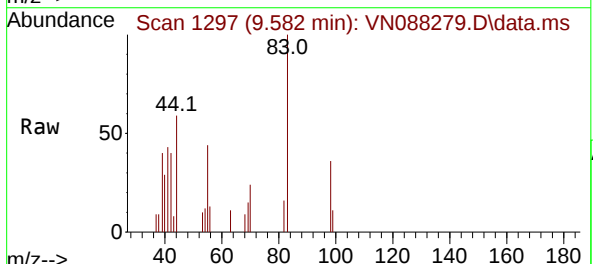
Instrument :
MSVOA_N
ClientSampleId :
IBLK

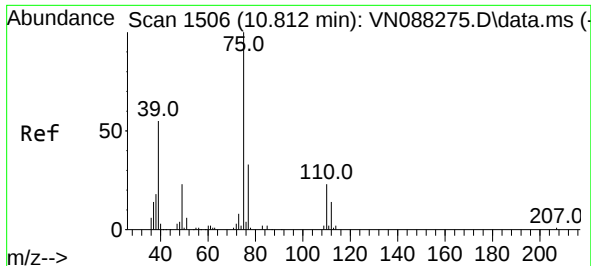
Tgt Ion: 88 Resp: 5398
Ion Ratio Lower Upper
88 100
43 13.1 27.8 41.8#
58 67.6 59.5 89.3



#46
Methyl methacrylate
Concen: 0.273 ug/l
RT: 9.582 min Scan# 1297
Delta R.T. -0.082 min
Lab File: VN088279.D
Acq: 13 Nov 2025 12:11

Tgt Ion: 41 Resp: 1392
Ion Ratio Lower Upper
41 100
69 44.7 38.5 115.3
39 85.7 29.0 87.1

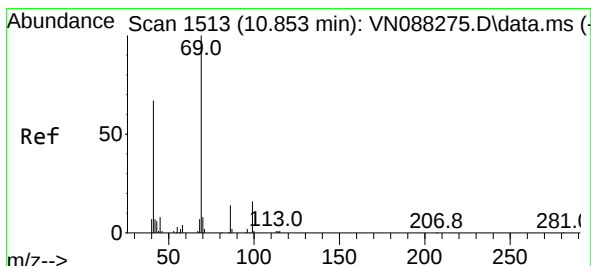
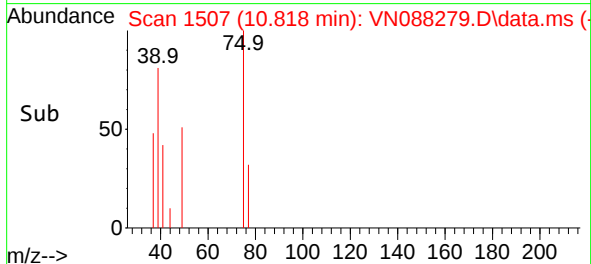
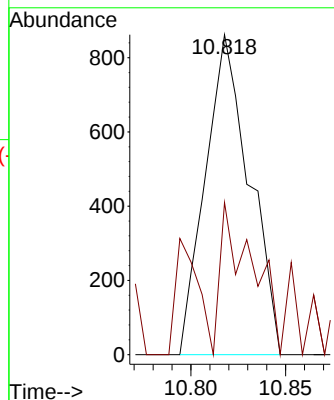
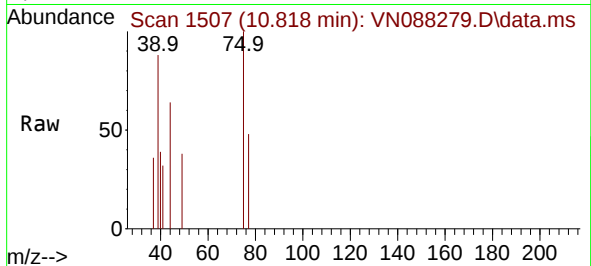




#48
t-1,3-Dichloropropene
Concen: 0.215 ug/l
RT: 10.818 min Scan# 1461
Delta R.T. 0.006 min
Lab File: VN088279.D
Acq: 13 Nov 2025 12:11

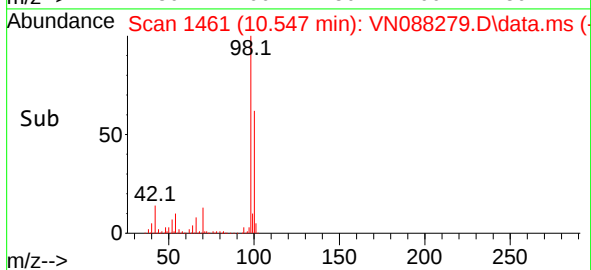
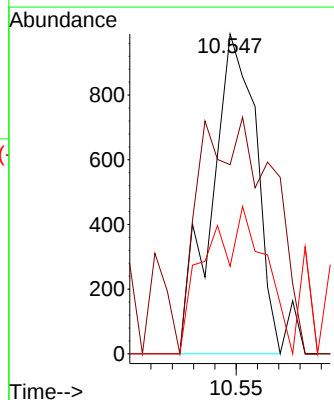
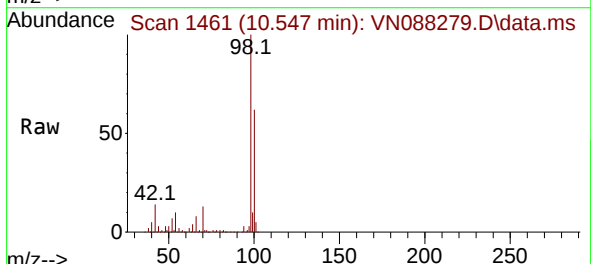
Instrument :
MSVOA_N
ClientSampleId :
IBLK

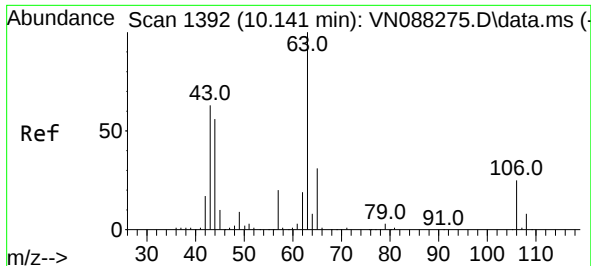
Tgt Ion: 75 Resp: 1394
Ion Ratio Lower Upper
75 100
77 47.6 26.1 39.1#



#51
Ethyl methacrylate
Concen: 0.235 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.306 min
Lab File: VN088279.D
Acq: 13 Nov 2025 12:11

Tgt Ion: 69 Resp: 1436
Ion Ratio Lower Upper
69 100
41 59.2 33.6 100.8
39 27.4 23.4 70.2

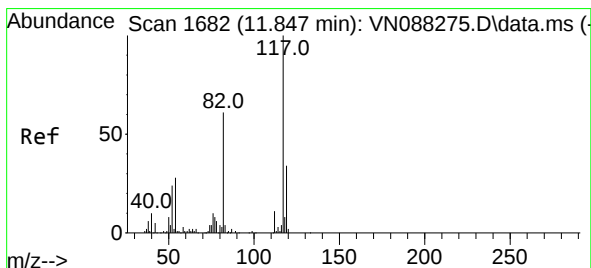
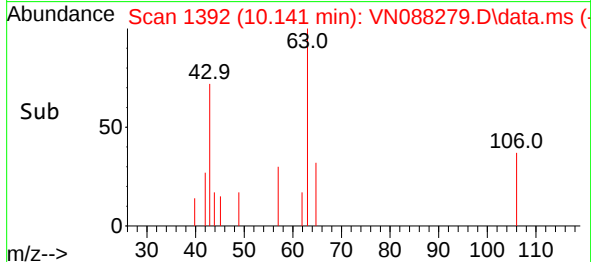
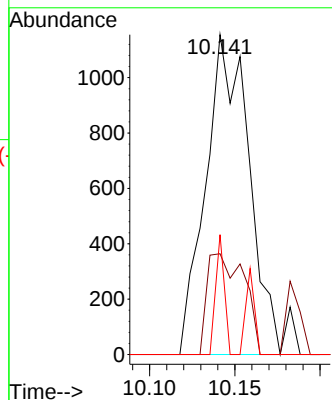
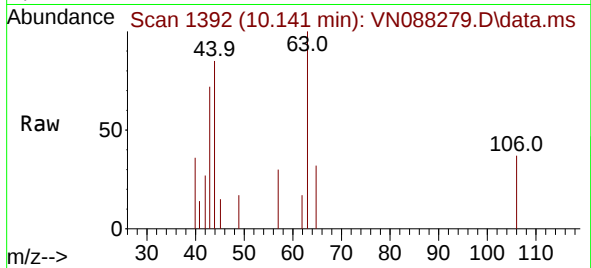




#55
2-Chloroethyl vinyl ether
Concen: 0.577 ug/l
RT: 10.141 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VN088279.D
Acq: 13 Nov 2025 12:11

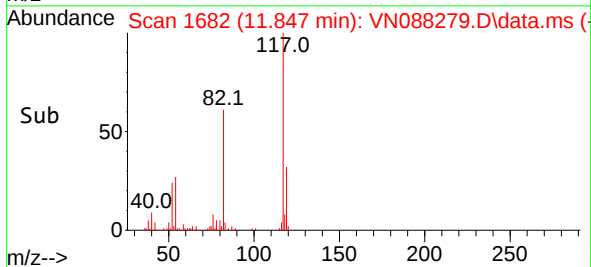
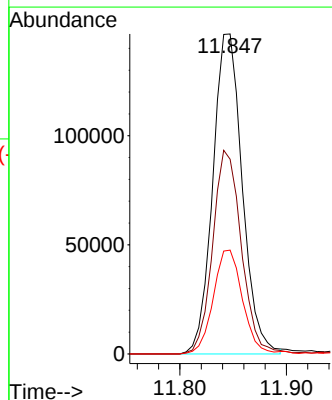
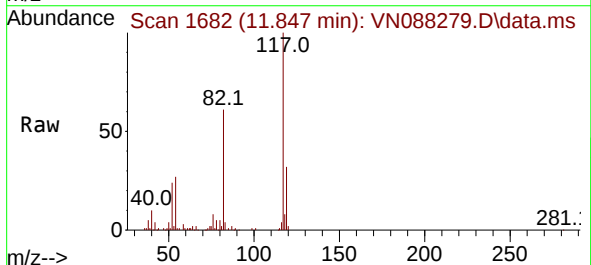
Instrument :
MSVOA_N
ClientSampleId :
IBLK

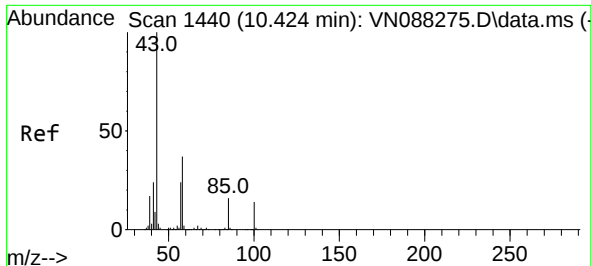
Tgt Ion: 63 Resp: 2034
Ion Ratio Lower Upper
63 100
65 17.4 24.9 37.3#
106 0.0 20.3 30.5#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VN088279.D
Acq: 13 Nov 2025 12:11

Tgt Ion: 117 Resp: 281891
Ion Ratio Lower Upper
117 100
82 61.9 49.3 73.9
119 32.0 26.4 39.6

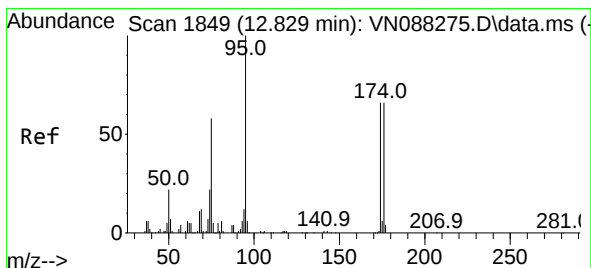
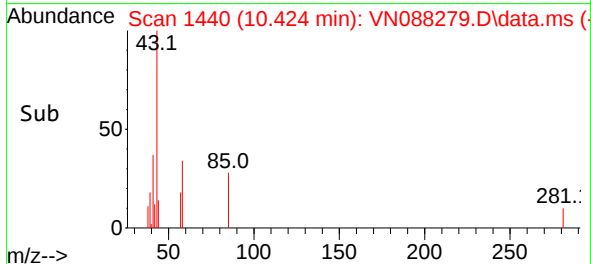
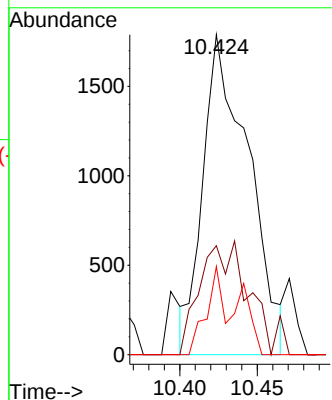
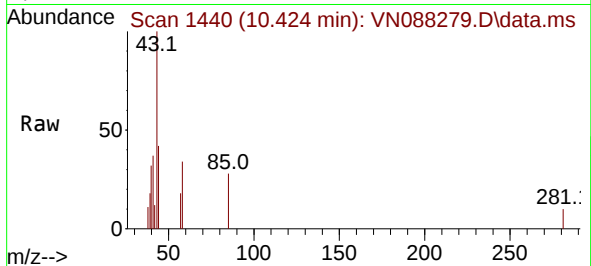




#58
4-Methyl-2-Pentanone
Concen: 0.572 ug/l
RT: 10.424 min Scan# 1440
Delta R.T. -0.000 min
Lab File: VN088279.D
Acq: 13 Nov 2025 12:11

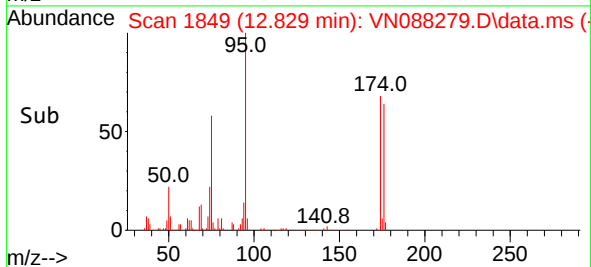
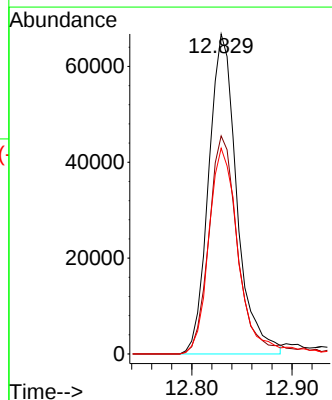
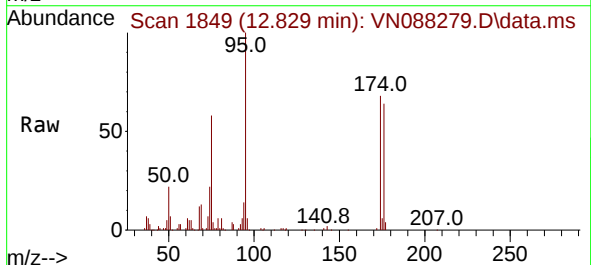
Instrument :
MSVOA_N
ClientSampleId :
IBLK

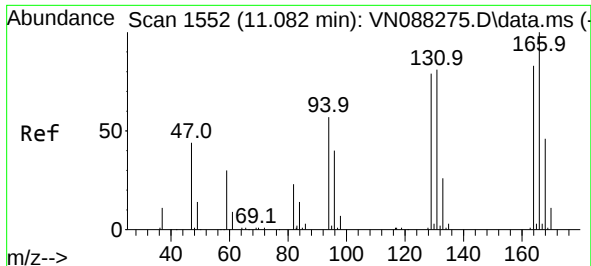
Tgt Ion:	43	Resp:	3646
Ion	Ratio	Lower	Upper
43	100		
58	21.2	29.2	43.8#
85	10.2	12.6	19.0#



#60
4-Bromofluorobenzene
Concen: 27.413 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VN088279.D
Acq: 13 Nov 2025 12:11

Tgt Ion:	95	Resp:	130627
Ion	Ratio	Lower	Upper
95	100		
174	68.4	54.5	81.7
176	66.4	53.8	80.6

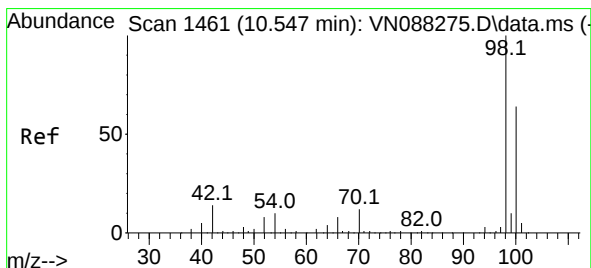
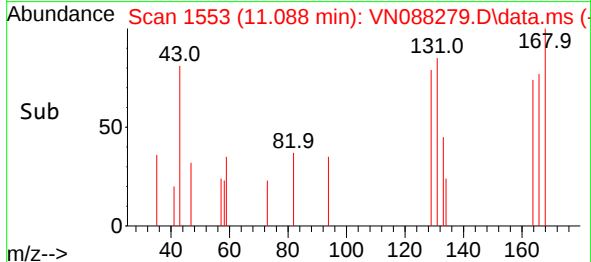
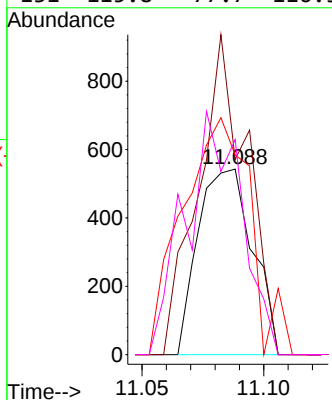
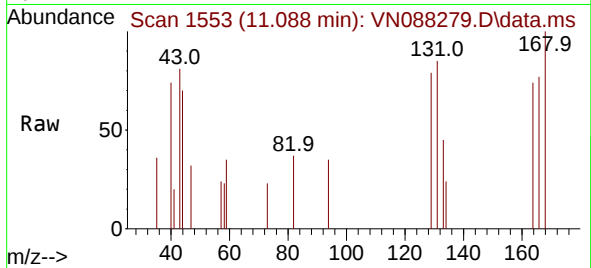




#61
Tetrachloroethene
Concen: 0.291 ug/l
RT: 11.088 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN088279.D
Acq: 13 Nov 2025 12:11

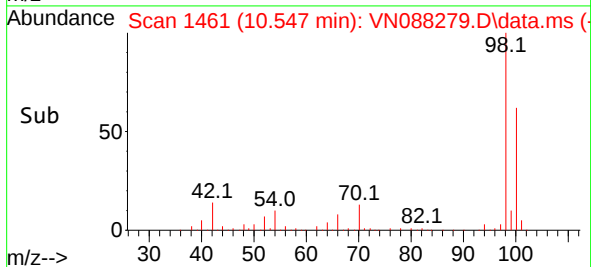
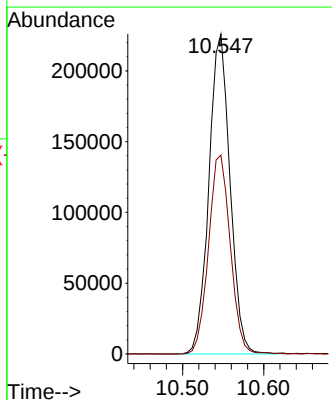
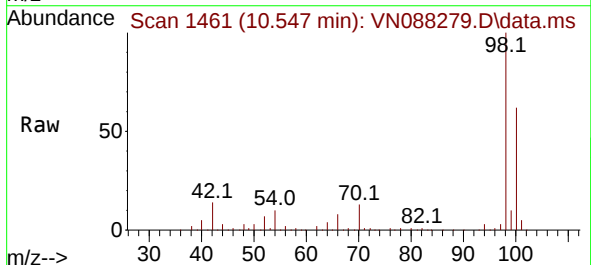
Instrument :
MSVOA_N
ClientSampleId :
IBLK

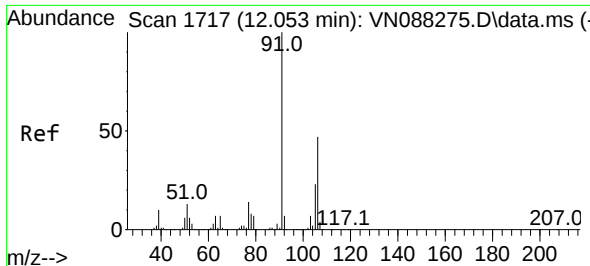
Tgt Ion:164 Resp: 846
Ion Ratio Lower Upper
164 100
166 105.2 96.3 144.5
129 71.8 76.2 114.2#
131 115.8 77.7 116.5



#63
Toluene-d8
Concen: 30.643 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088279.D
Acq: 13 Nov 2025 12:11

Tgt Ion: 98 Resp: 408950
Ion Ratio Lower Upper
98 100
100 63.8 51.6 77.4





#67

m/p-Xylenes

Concen: 0.403 ug/l

RT: 12.059 min Scan# 1718

Delta R.T. 0.006 min

Lab File: VN088279.D

Acq: 13 Nov 2025 12:11

Instrument :

MSVOA_N

ClientSampleId :

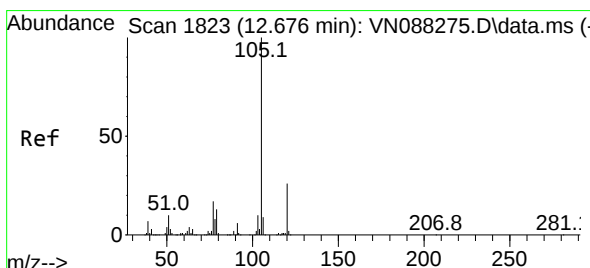
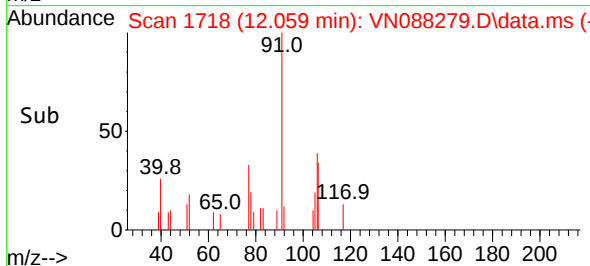
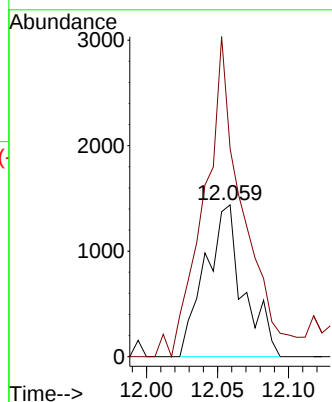
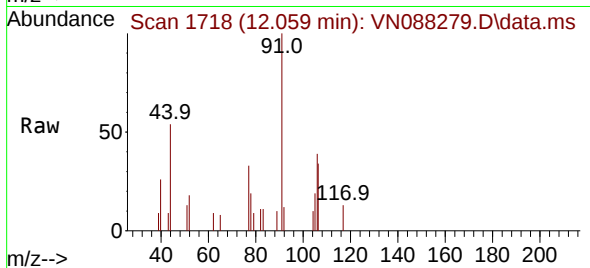
IBLK

Tgt Ion:106 Resp: 2685

Ion Ratio Lower Upper

106 100

91 210.5 168.3 252.5



#70

Isopropylbenzene

Concen: 0.317 ug/l

RT: 12.676 min Scan# 1823

Delta R.T. -0.000 min

Lab File: VN088279.D

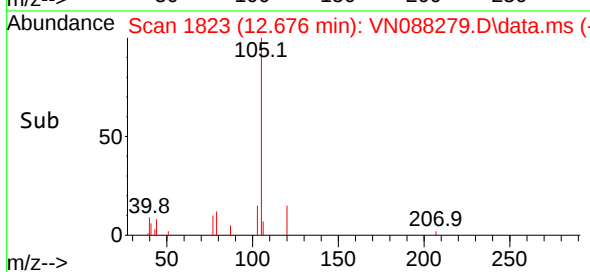
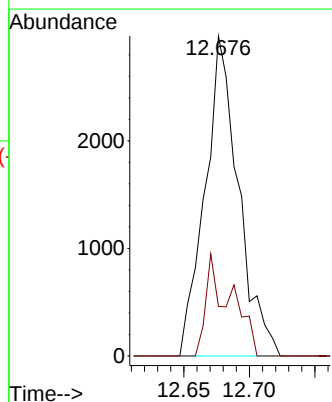
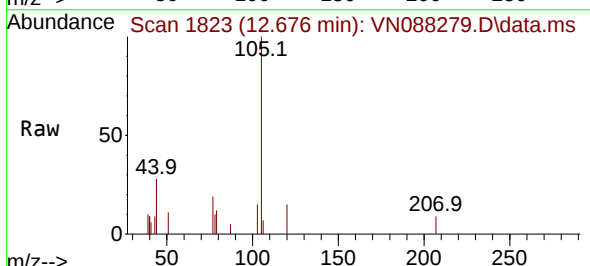
Acq: 13 Nov 2025 12:11

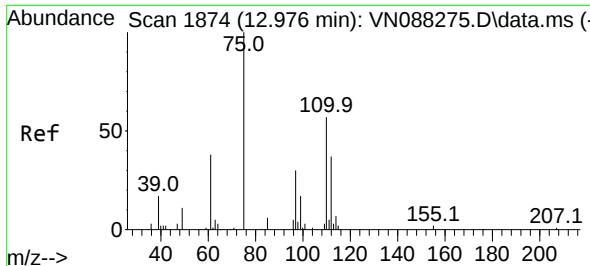
Tgt Ion:105 Resp: 5277

Ion Ratio Lower Upper

105 100

120 14.3 18.2 33.8#

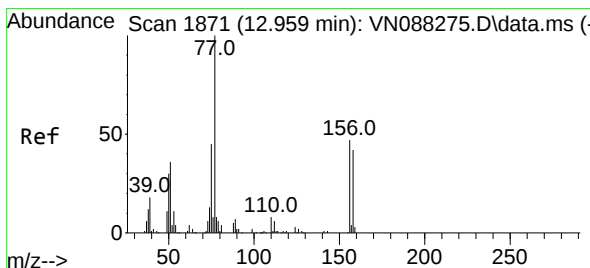
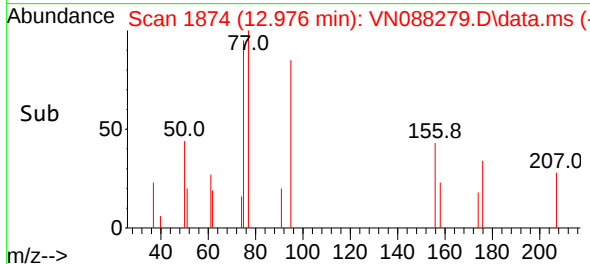
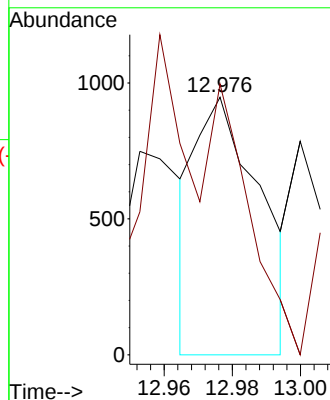
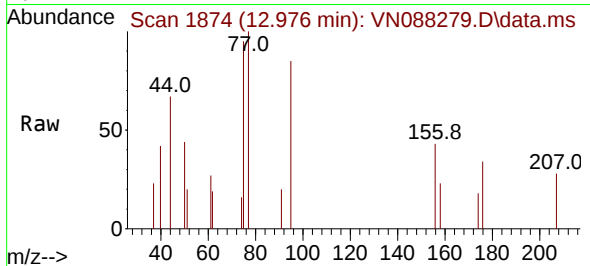




#72
1,2,3-Trichloropropane
Concen: 0.239 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.000 min
Lab File: VN088279.D
Acq: 13 Nov 2025 12:11

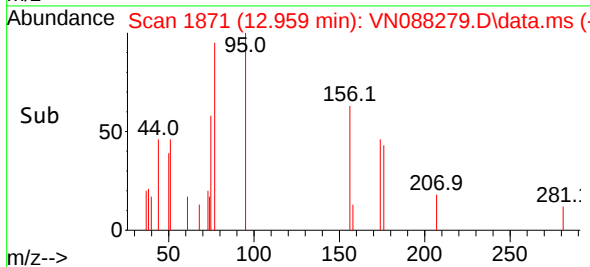
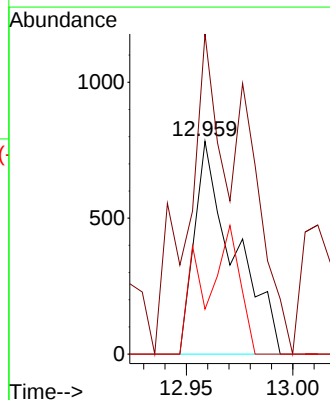
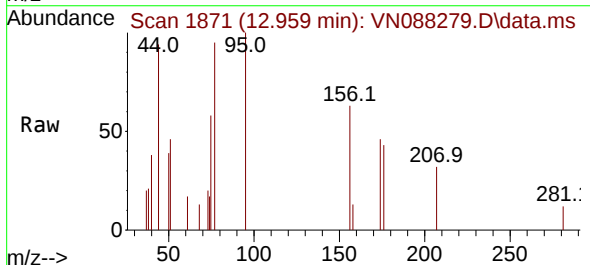
Instrument :
MSVOA_N
ClientSampleId :
IBLK

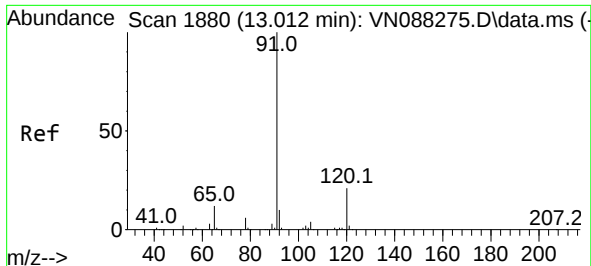
Tgt Ion: 75 Resp: 1248
Ion Ratio Lower Upper
75 100
77 63.3 0.0 386.6



#73
Bromobenzene
Concen: 0.270 ug/l
RT: 12.959 min Scan# 1871
Delta R.T. -0.000 min
Lab File: VN088279.D
Acq: 13 Nov 2025 12:11

Tgt Ion: 156 Resp: 1016
Ion Ratio Lower Upper
156 100
77 81.8 0.0 493.4
158 19.5 0.0 193.4

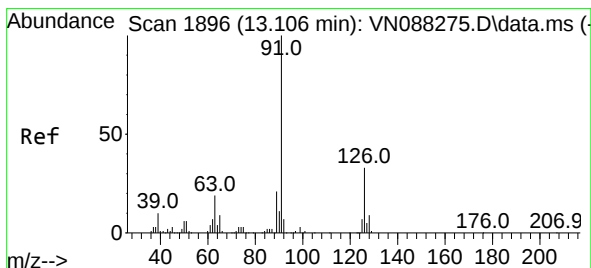
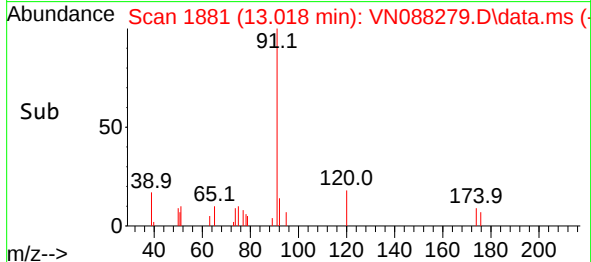
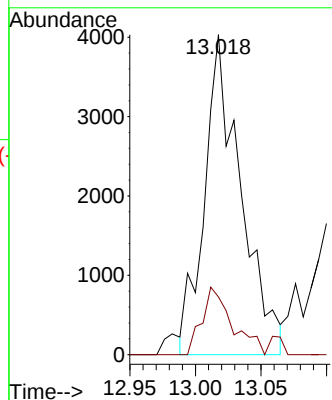
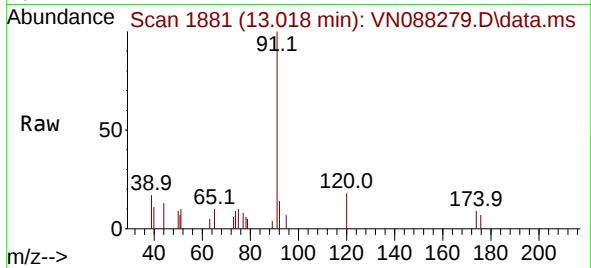




#74
n-propylbenzene
Concen: 0.378 ug/l
RT: 13.018 min Scan# 1881
Delta R.T. 0.006 min
Lab File: VN088279.D
Acq: 13 Nov 2025 12:11

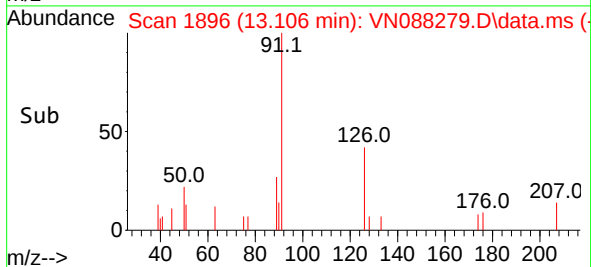
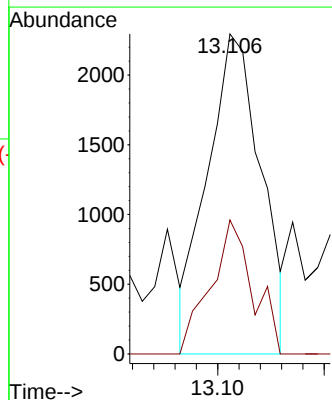
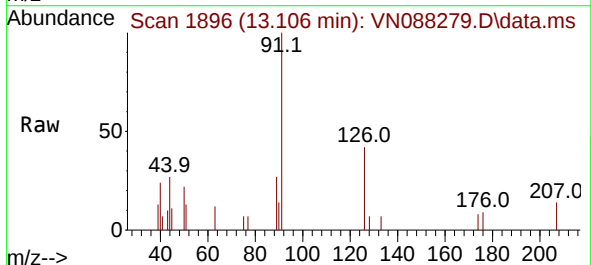
Instrument :
MSVOA_N
ClientSampleId :
IBLK

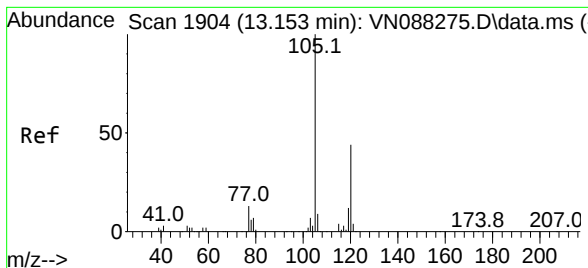
Tgt Ion: 91 Resp: 7800
Ion Ratio Lower Upper
91 100
120 14.2 0.0 43.2



#75
2-Chlorotoluene
Concen: 0.320 ug/l
RT: 13.106 min Scan# 1896
Delta R.T. -0.000 min
Lab File: VN088279.D
Acq: 13 Nov 2025 12:11

Tgt Ion: 91 Resp: 4019
Ion Ratio Lower Upper
91 100
126 33.0 0.0 62.0





#76

1,3,5-Trimethylbenzene

Concen: 0.341 ug/l

RT: 13.147 min Scan# 1849

Delta R.T. -0.006 min

Lab File: VN088279.D

Acq: 13 Nov 2025 12:11

Instrument :

MSVOA_N

ClientSampleId :

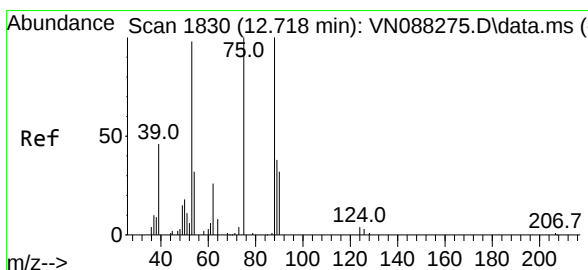
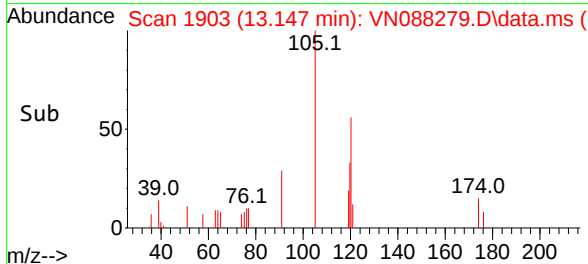
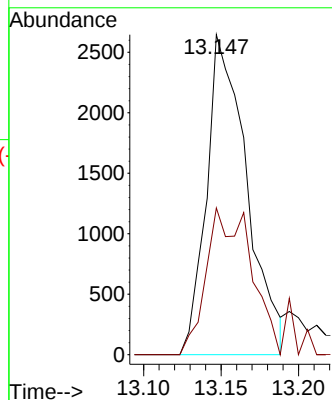
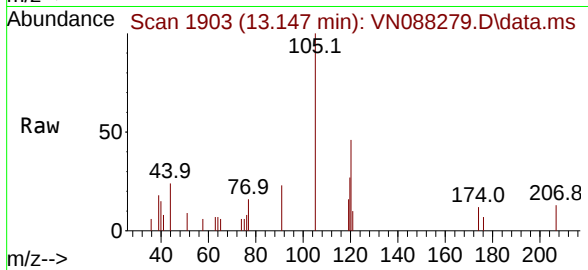
IBLK

Tgt Ion:105 Resp: 4773

Ion Ratio Lower Upper

105 100

120 24.8 0.0 94.6



#77

t-1,4-Dichloro-2-butene

Concen: 42.322 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. 0.112 min

Lab File: VN088279.D

Acq: 13 Nov 2025 12:11

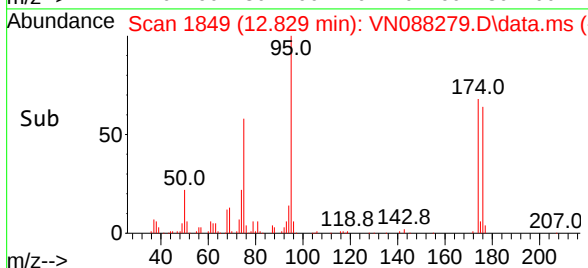
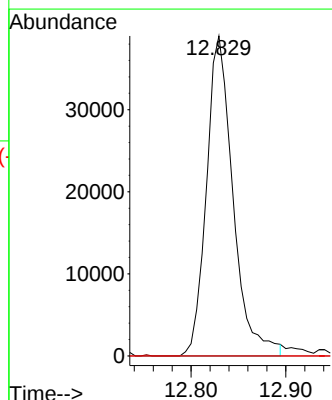
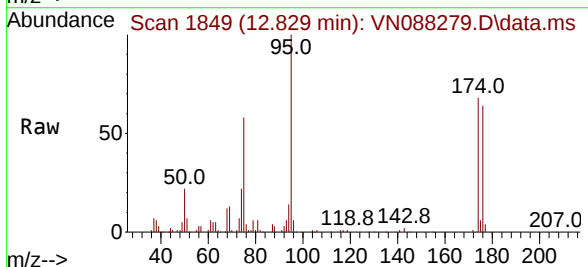
Tgt Ion: 75 Resp: 76022

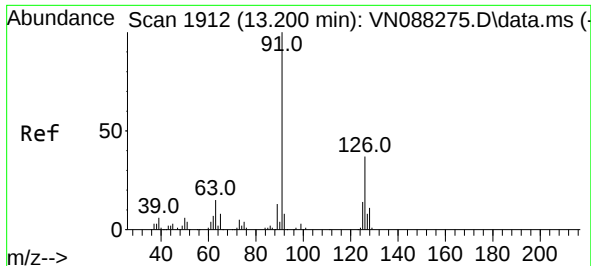
Ion Ratio Lower Upper

75 100

53 0.0 50.0 150.0#

89 0.0 22.3 66.9#

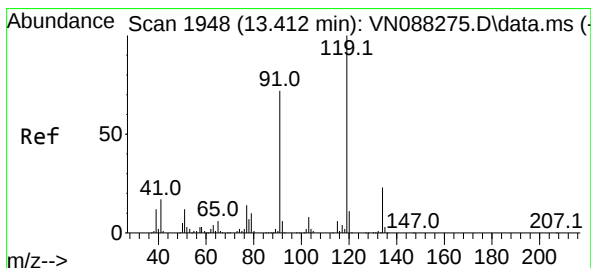
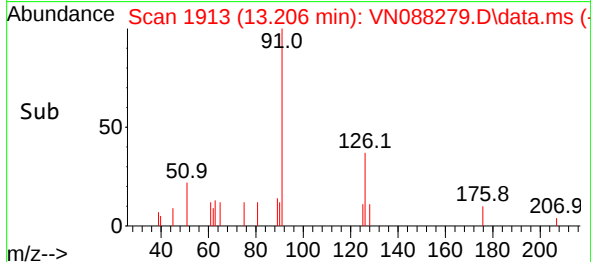
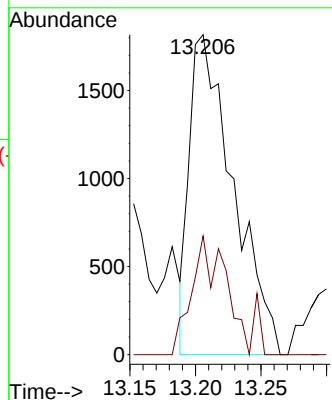
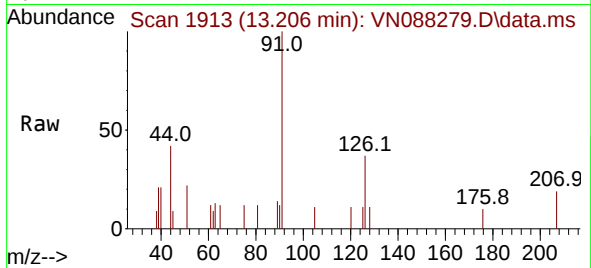




#78
4-Chlorotoluene
Concen: 0.332 ug/l
RT: 13.206 min Scan# 1912
Delta R.T. 0.006 min
Lab File: VN088279.D
Acq: 13 Nov 2025 12:11

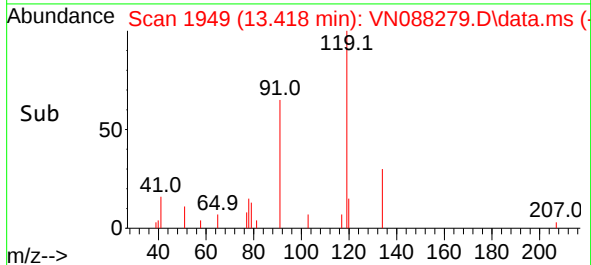
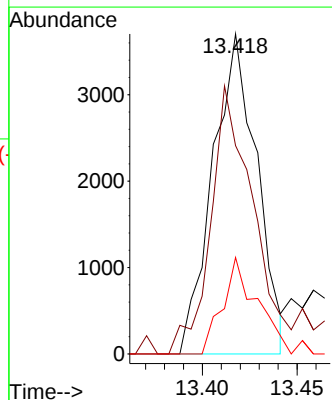
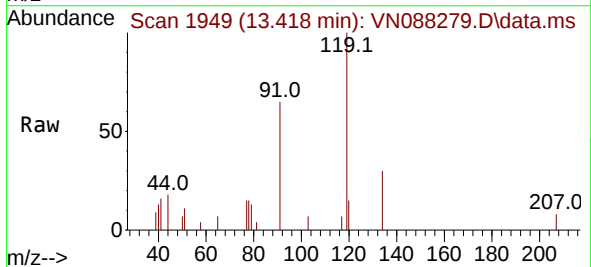
Instrument :
MSVOA_N
ClientSampleId :
IBLK

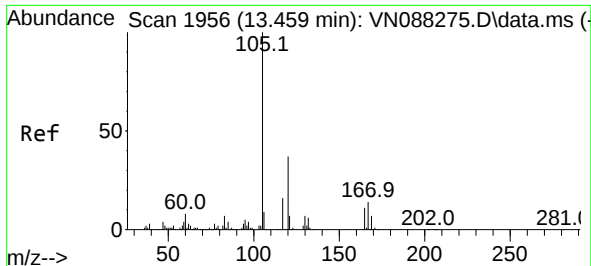
Tgt Ion: 91 Resp: 4217
Ion Ratio Lower Upper
91 100
126 16.3 0.0 60.8



#79
tert-butylbenzene
Concen: 0.501 ug/l
RT: 13.418 min Scan# 1949
Delta R.T. 0.006 min
Lab File: VN088279.D
Acq: 13 Nov 2025 12:11

Tgt Ion: 119 Resp: 5996
Ion Ratio Lower Upper
119 100
91 80.4 0.0 140.8
134 23.5 0.0 48.4

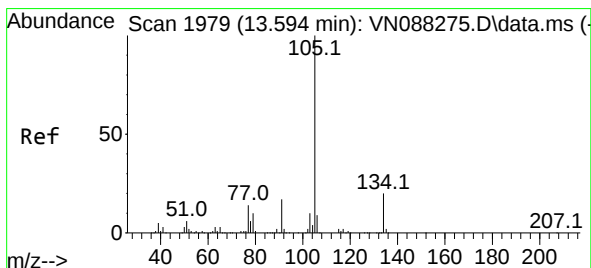
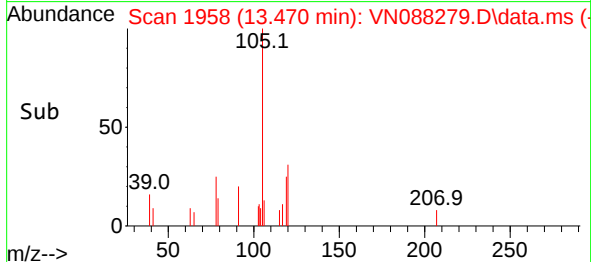
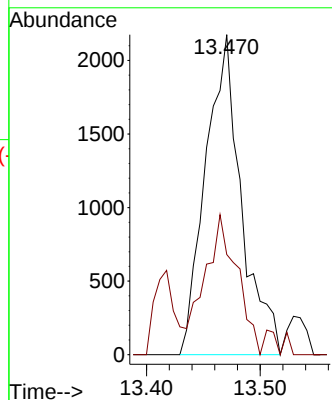
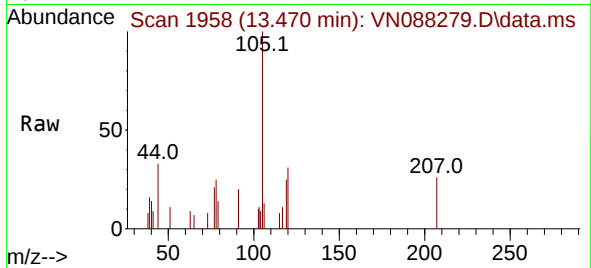




#80
1,2,4-Trimethylbenzene
Concen: 0.342 ug/l
RT: 13.470 min Scan# 1956
Delta R.T. 0.012 min
Lab File: VN088279.D
Acq: 13 Nov 2025 12:11

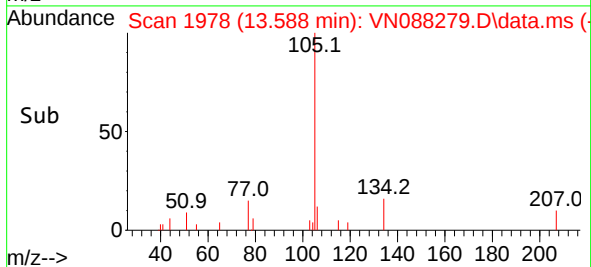
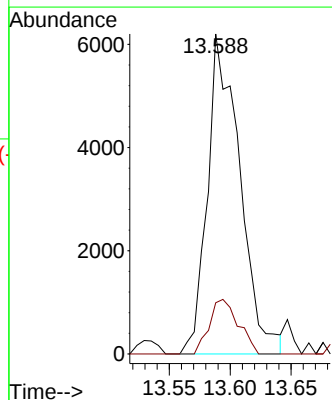
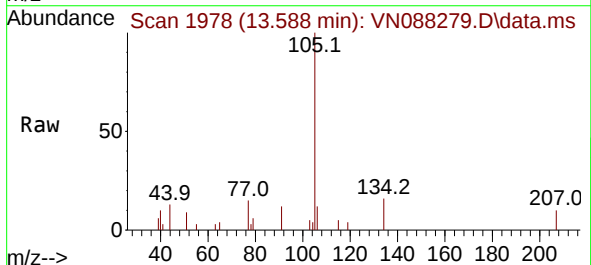
Instrument :
MSVOA_N
ClientSampleId :
IBLK

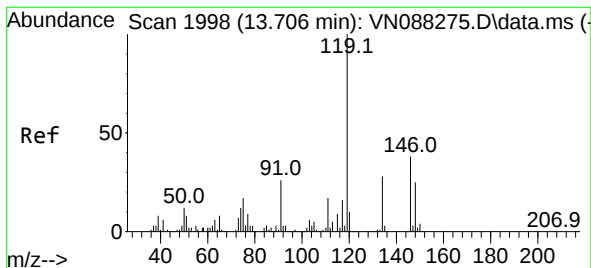
Tgt Ion:105 Resp: 4753
Ion Ratio Lower Upper
105 100
120 39.2 0.0 89.2



#81
sec-Butylbenzene
Concen: 0.656 ug/l
RT: 13.588 min Scan# 1978
Delta R.T. -0.006 min
Lab File: VN088279.D
Acq: 13 Nov 2025 12:11

Tgt Ion:105 Resp: 11466
Ion Ratio Lower Upper
105 100
134 15.3 0.0 38.4





#82

p-Isopropyltoluene

Concen: 0.545 ug/l

RT: 13.706 min Scan# 1998

Delta R.T. -0.000 min

Lab File: VN088279.D

Acq: 13 Nov 2025 12:11

Instrument :

MSVOA_N

ClientSampleId :

IBLK

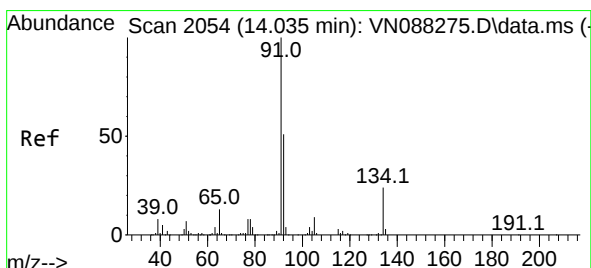
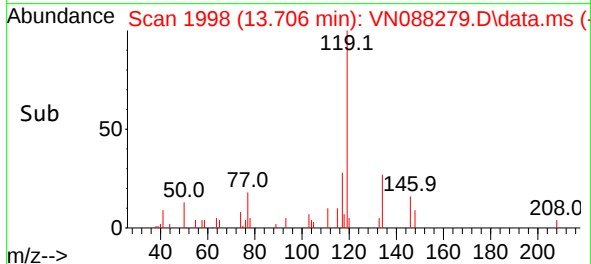
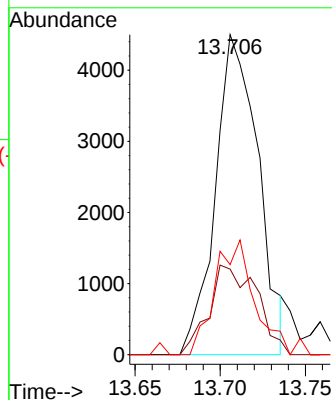
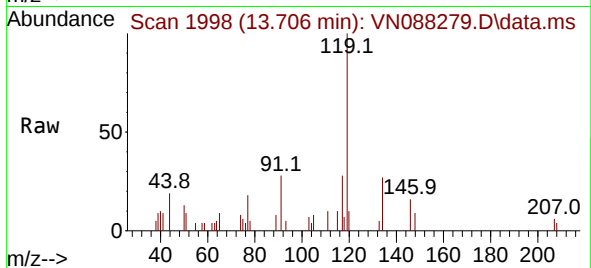
Tgt Ion:119 Resp: 7868

Ion Ratio Lower Upper

119 100

134 20.5 0.0 51.2

91 32.9 0.0 53.4



#85

n-Butylbenzene

Concen: 0.748 ug/l

RT: 14.035 min Scan# 2054

Delta R.T. -0.000 min

Lab File: VN088279.D

Acq: 13 Nov 2025 12:11

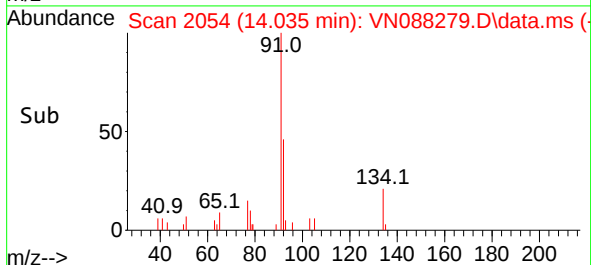
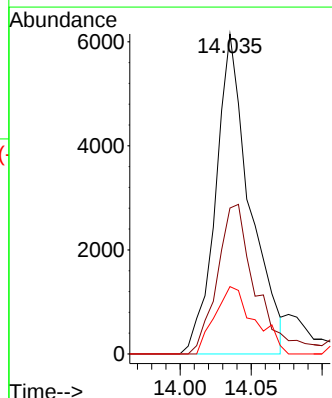
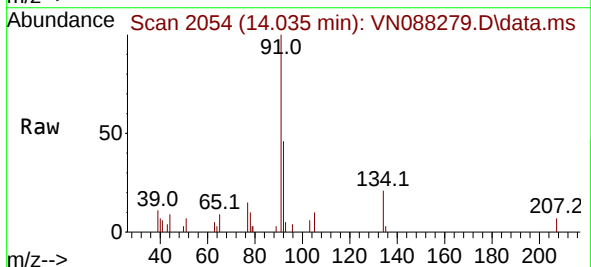
Tgt Ion: 91 Resp: 10290

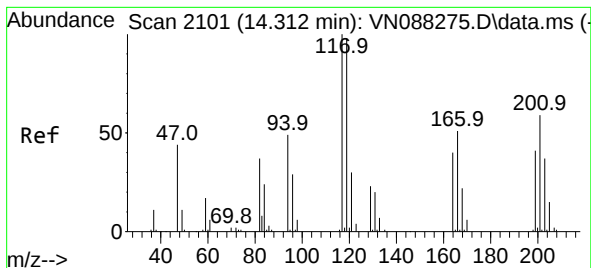
Ion Ratio Lower Upper

91 100

92 53.3 0.0 102.4

134 24.4 0.0 45.8

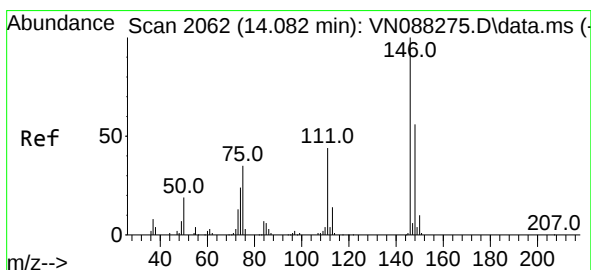
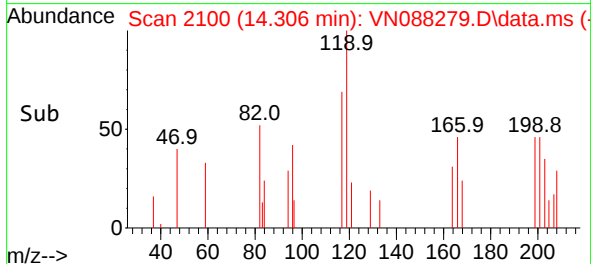
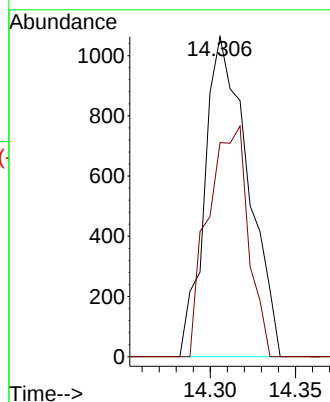
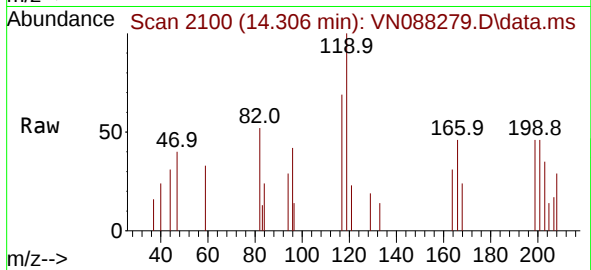




#86
Hexachloroethane
Concen: 0.678 ug/l
RT: 14.306 min Scan# 2101
Delta R.T. -0.006 min
Lab File: VN088279.D
Acq: 13 Nov 2025 12:11

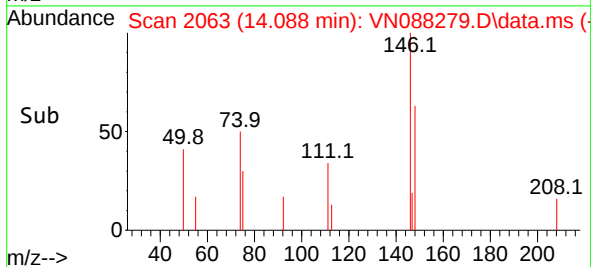
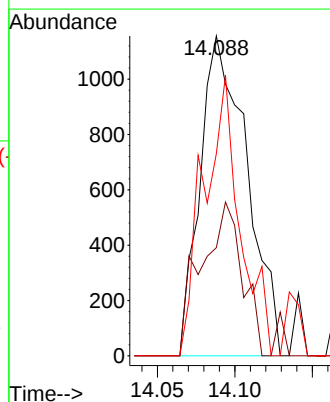
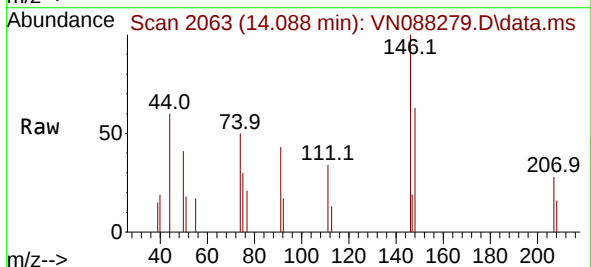
Instrument :
MSVOA_N
ClientSampleId :
IBLK

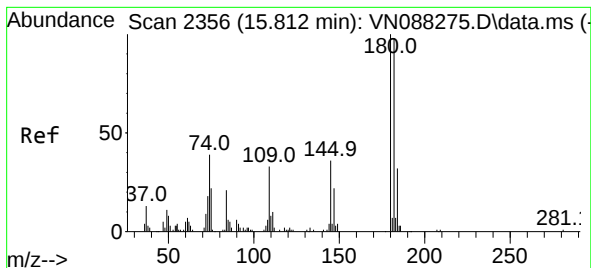
Tgt Ion:117 Resp: 1875
Ion Ratio Lower Upper
117 100
201 66.8 30.6 92.0



#87
1,2-Dichlorobenzene
Concen: 0.352 ug/l
RT: 14.088 min Scan# 2063
Delta R.T. 0.006 min
Lab File: VN088279.D
Acq: 13 Nov 2025 12:11

Tgt Ion:146 Resp: 2426
Ion Ratio Lower Upper
146 100
111 32.7 23.0 69.0
148 42.0 31.1 93.2





#89

1,2,4-Trichlorobenzene

Concen: 1.594 ug/l

RT: 15.817 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN088279.D

Acq: 13 Nov 2025 12:11

Instrument :

MSVOA_N

ClientSampleId :

IBLK

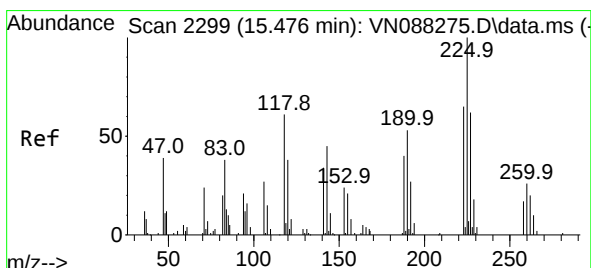
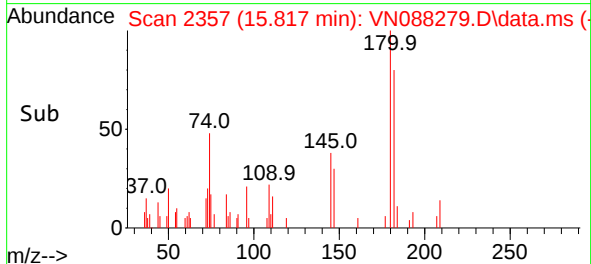
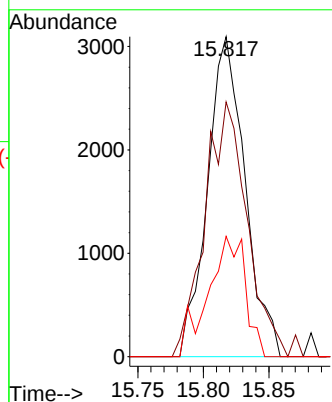
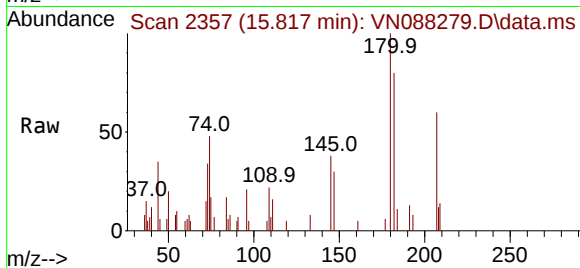
Tgt Ion:180 Resp: 6173

Ion Ratio Lower Upper

180 100

182 89.2 77.3 115.9

145 33.2 30.2 45.4



#90

Hexachlorobutadiene

Concen: 4.703 ug/l

RT: 15.476 min Scan# 2299

Delta R.T. -0.000 min

Lab File: VN088279.D

Acq: 13 Nov 2025 12:11

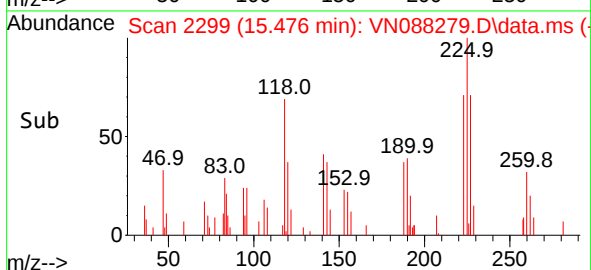
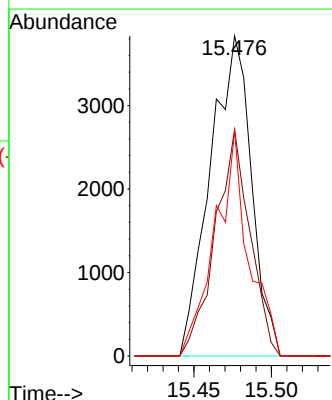
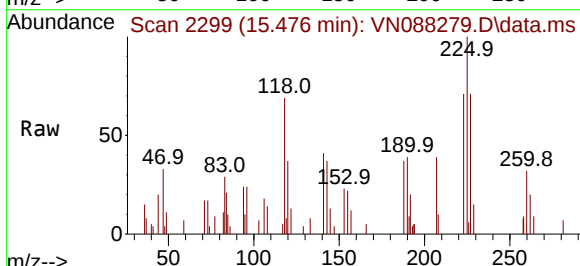
Tgt Ion:225 Resp: 7073

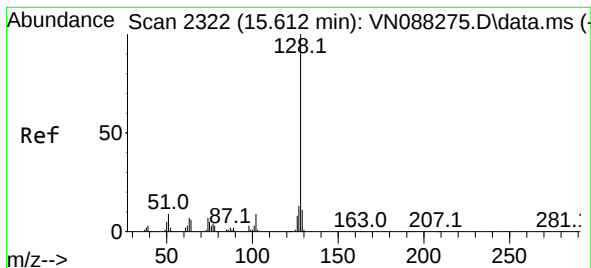
Ion Ratio Lower Upper

225 100

223 59.6 0.0 132.0

227 57.3 0.0 132.6





#91

Naphthalene

Concen: 0.983 ug/l

RT: 15.617 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN088279.D

Acq: 13 Nov 2025 12:11

Instrument :

MSVOA_N

ClientSampleId :

IBLK

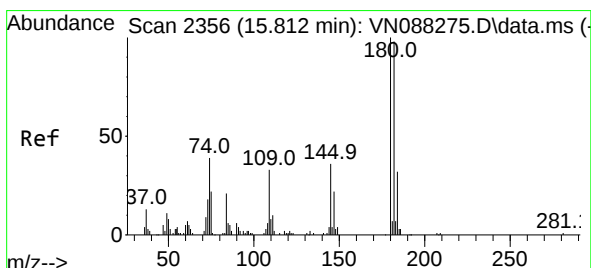
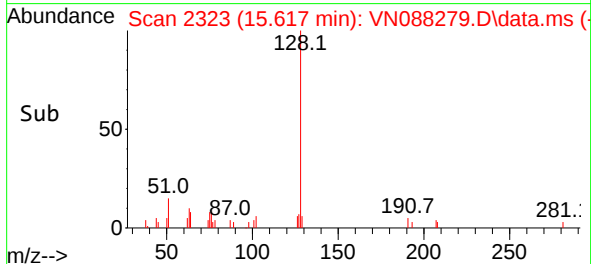
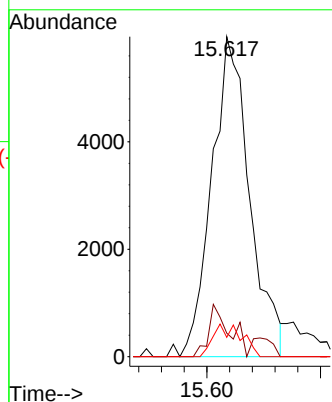
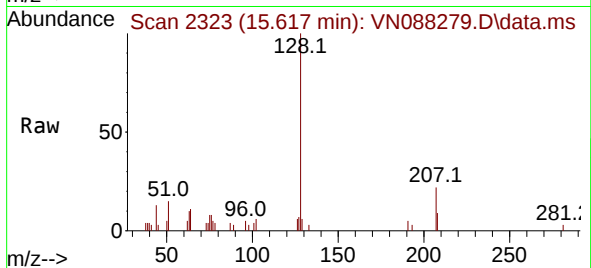
Tgt Ion:128 Resp: 13779

Ion Ratio Lower Upper

128 100

127 7.4 10.6 16.0#

129 7.6 8.8 13.2#



#92

1,2,3-Trichlorobenzene

Concen: 1.594 ug/l

RT: 15.817 min Scan# 2357

Delta R.T. 0.006 min

Lab File: VN088279.D

Acq: 13 Nov 2025 12:11

Tgt Ion:180 Resp: 6173

Ion Ratio Lower Upper

180 100

182 89.2 0.0 193.2

145 33.2 0.0 75.6

