

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120624\
 Data File : VN085122.D
 Acq On : 06 Dec 2024 12:01
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Dec 06 23:05:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 06 22:50:42 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.812	128	30628	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	158053	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	142637	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.576	65	72572	29.862	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.533%
60) 4-Bromofluorobenzene	12.847	95	58934	24.971	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	83.233%
63) Toluene-d8	10.565	98	192599	28.785	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	95.967%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	953	0.389	ug/l	92
3) Chloromethane	2.359	50	1730	0.798	ug/l #	73
4) Vinyl Chloride	2.518	62	836	0.377	ug/l #	87
5) Bromomethane	2.977	94	2141	1.520	ug/l	89
11) Methyl Iodide	4.589	142	1919	0.742	ug/l #	58
13) Acrolein	4.171	56	410	1.282	ug/l #	33
14) Acrylonitrile	5.718	53	1354	1.482	ug/l #	48
16) Carbon Disulfide	4.712	76	10841	1.944	ug/l #	93
19) trans-1,2-Dichloroethene	5.783	96	741	0.382	ug/l #	30
29) 1,1-Dichloropropene	8.365	75	796	0.312	ug/l	70
30) 2-Butanone	7.477	43	288	0.246	ug/l #	54
37) Trichloroethene	9.353	130	1019	0.534	ug/l	90
38) Methylcyclohexane	9.600	83	871	0.314	ug/l #	57
40) Dibromomethane	9.718	93	519	0.373	ug/l #	18
48) t-1,3-Dichloropropene	10.841	75	911	0.312	ug/l	97
55) 2-Chloroethyl vinyl ether	10.159	63	1550	1.170	ug/l #	60
58) 4-Methyl-2-Pentanone	10.447	43	1184	0.509	ug/l #	69
59) 2-Hexanone	11.194	43	1534	0.870	ug/l #	79
61) Tetrachloroethene	11.106	164	890	0.515	ug/l #	75
62) Toluene	10.623	91	2346	0.282	ug/l #	55
64) Chlorobenzene	11.894	112	2345	0.457	ug/l #	88
66) Ethyl Benzene	11.970	91	2247	0.255	ug/l	95
67) m/p-Xylenes	12.065	106	1889	0.556	ug/l	94
69) Styrene	12.412	104	1703	0.315	ug/l #	76
70) Isopropylbenzene	12.700	105	1865	0.227	ug/l #	80
72) 1,2,3-Trichloropropane	12.976	75	579	0.234	ug/l #	1
73) Bromobenzene	12.970	156	1104	0.536	ug/l	97
74) n-propylbenzene	13.035	91	4284	0.433	ug/l	83
75) 2-Chlorotoluene	13.129	91	2580	0.422	ug/l	84
76) 1,3,5-Trimethylbenzene	13.164	105	1737	0.247	ug/l	96
77) t-1,4-Dichloro-2-butene	12.847	75	29898	33.276	ug/l #	10
78) 4-Chlorotoluene	13.217	91	3530	0.569	ug/l	92
79) tert-butylbenzene	13.441	119	2029	0.351	ug/l	89
80) 1,2,4-Trimethylbenzene	13.482	105	2228	0.320	ug/l	91
81) sec-Butylbenzene	13.611	105	4764	0.579	ug/l	98
82) p-Isopropyltoluene	13.729	119	3732	0.548	ug/l	99
83) 1,3-Dichlorobenzene	13.735	146	3469	0.918	ug/l	91
84) 1,4-Dichlorobenzene	13.811	146	3525	0.957	ug/l	95
85) n-Butylbenzene	14.053	91	5916	1.035	ug/l	96

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QLast Update : Fri Dec 06 22:50:42 2024
Response via : Initial Calibration

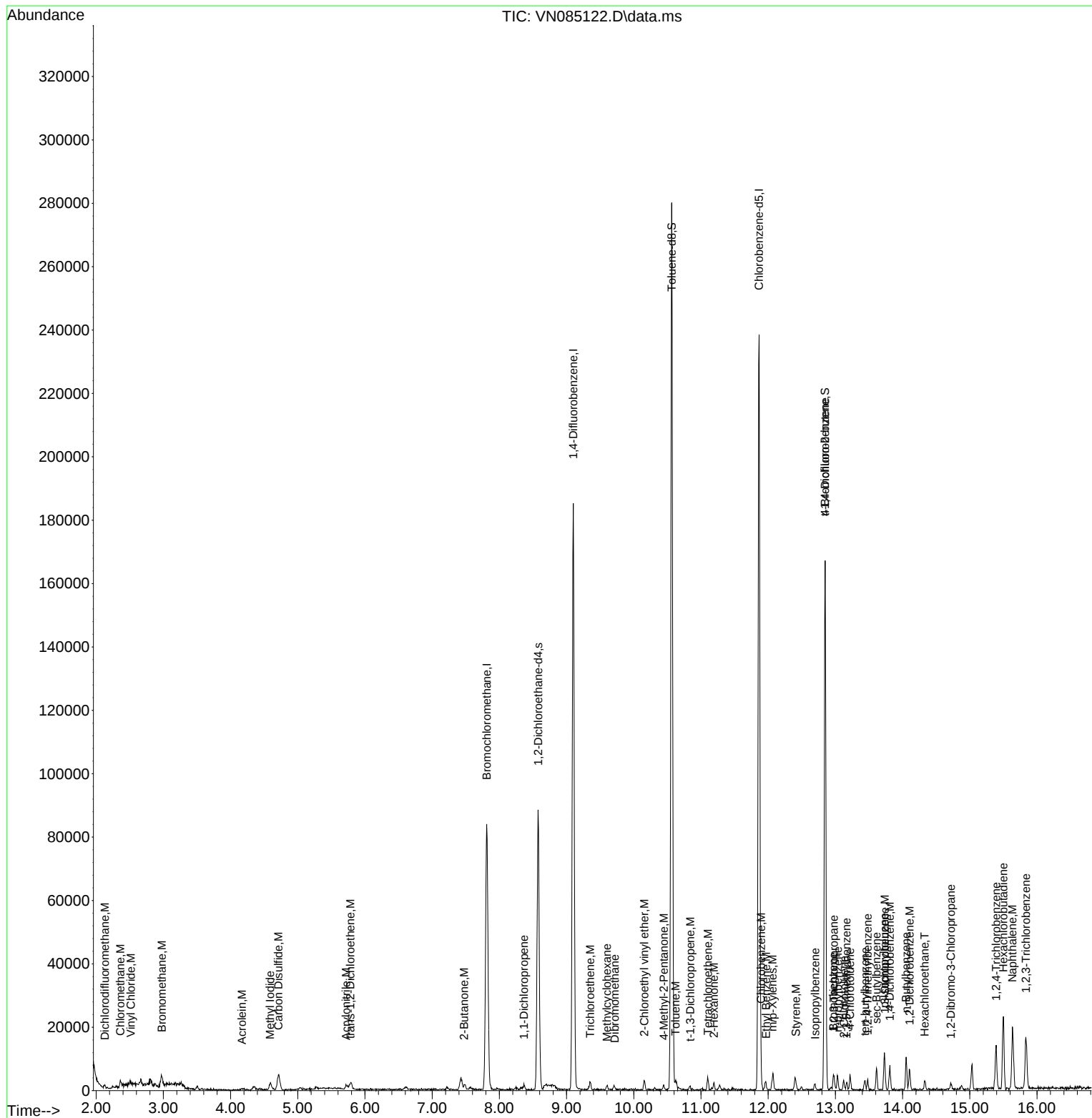
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
86) Hexachloroethane	14.329	117	744	0.548	ug/l	100
87) 1,2-Dichlorobenzene	14.106	146	3204	0.898	ug/l	94
88) 1,2-Dibromo-3-Chloropr...	14.717	75	762	1.524	ug/l	93
89) 1,2,4-Trichlorobenzene	15.394	180	5671	3.246	ug/l	94
90) Hexachlorobutadiene	15.500	225	4525	4.984	ug/l	96
91) Naphthalene	15.635	128	19465	3.586	ug/l	98
92) 1,2,3-Trichlorobenzene	15.835	180	7668	4.389	ug/l	93

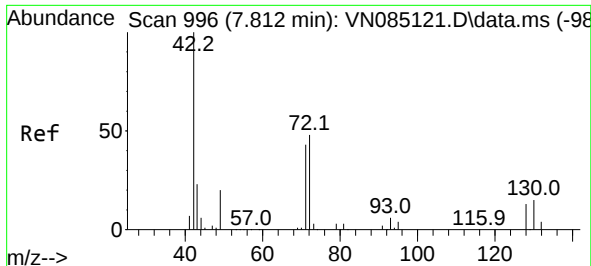
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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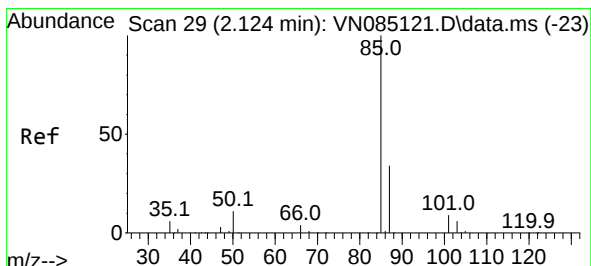
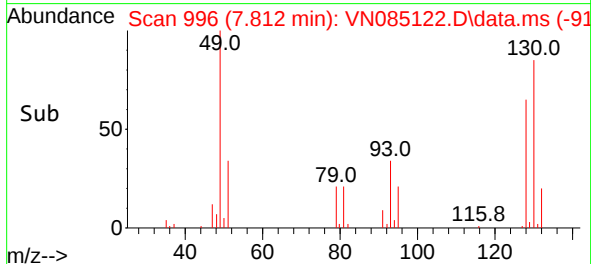
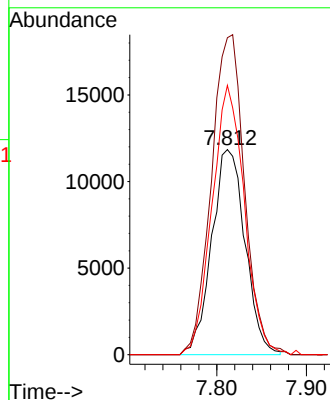
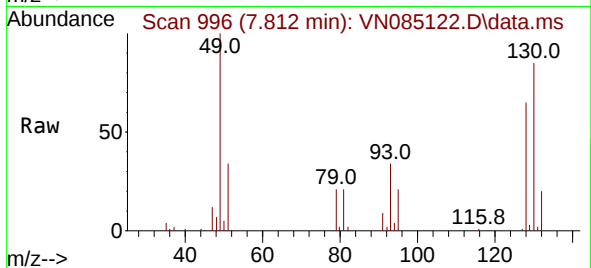




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN085122.D
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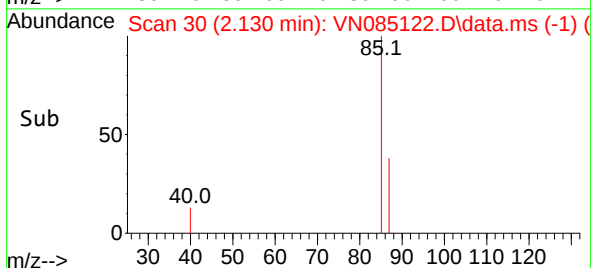
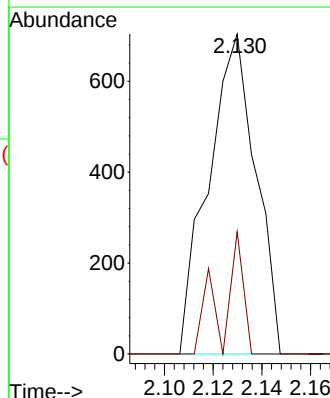
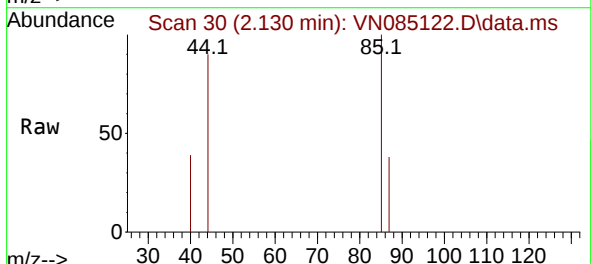
Instrument :
MSVOA_N
ClientSampleId :
IBLK

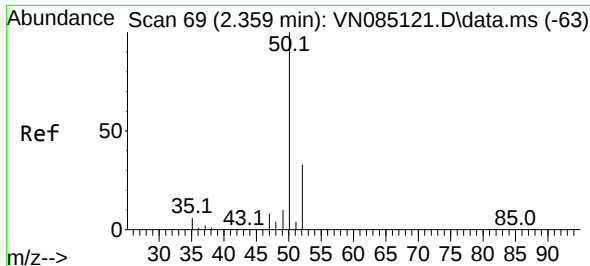
Tgt Ion:	128	Resp:	30628
Ion	Ratio	Lower	Upper
128	100		
49	154.9	0.0	394.5
130	127.4	0.0	316.5



#2
Dichlorodifluoromethane
Concen: 0.389 ug/l
RT: 2.130 min Scan# 30
Delta R.T. 0.006 min
Lab File: VN085122.D
Acq: 06 Dec 2024 12:01

Tgt Ion:	85	Resp:	953
Ion	Ratio	Lower	Upper
85	100		
87	38.2	16.8	50.3

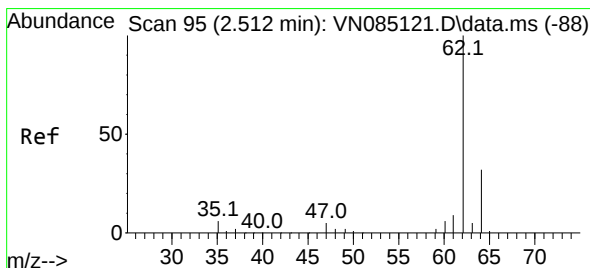
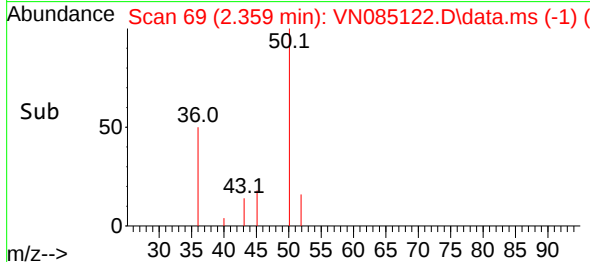
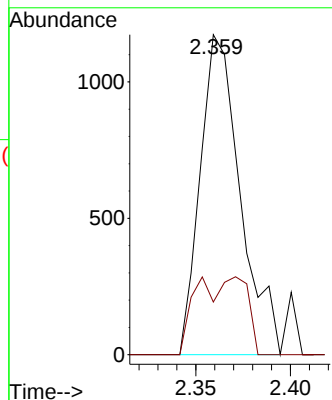
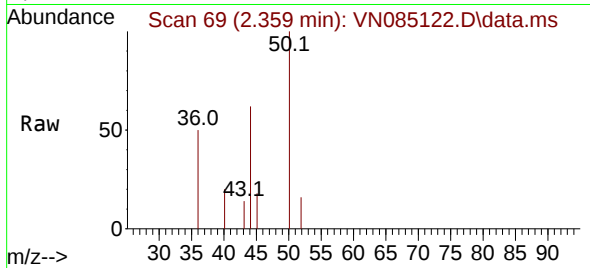




#3
Chloromethane
Concen: 0.798 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085122.D
Acq: 06 Dec 2024 12:01

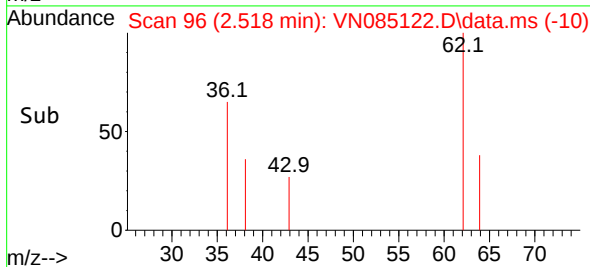
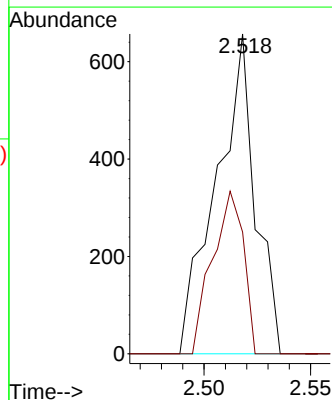
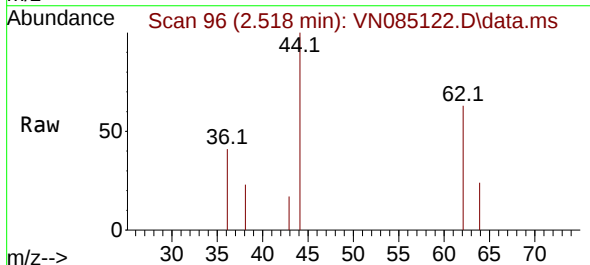
Instrument :
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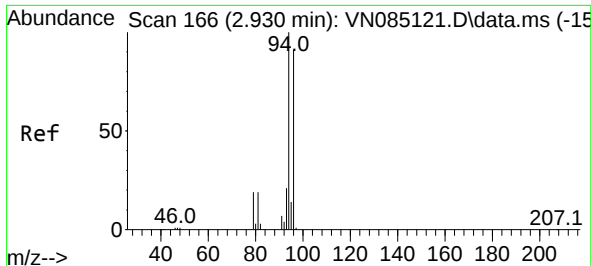
Tgt Ion: 50 Resp: 1730
Ion Ratio Lower Upper
50 100
52 16.5 25.0 37.4#



#4
Vinyl Chloride
Concen: 0.377 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.006 min
Lab File: VN085122.D
Acq: 06 Dec 2024 12:01

Tgt Ion: 62 Resp: 836
Ion Ratio Lower Upper
62 100
64 38.1 24.9 37.3#

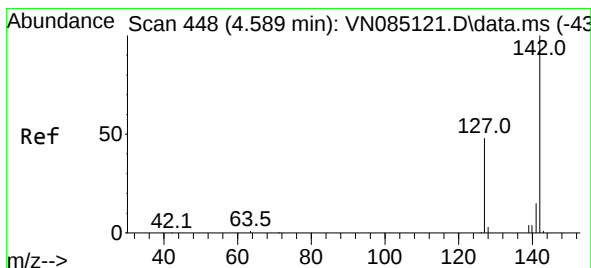
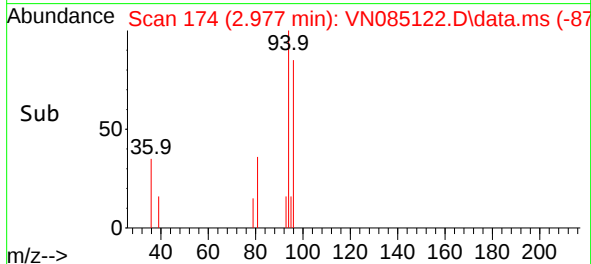
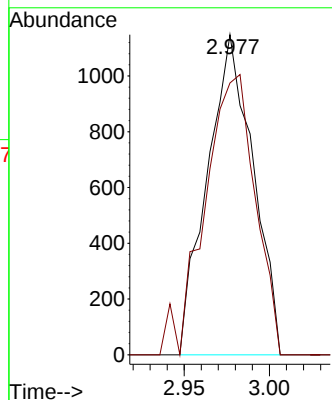
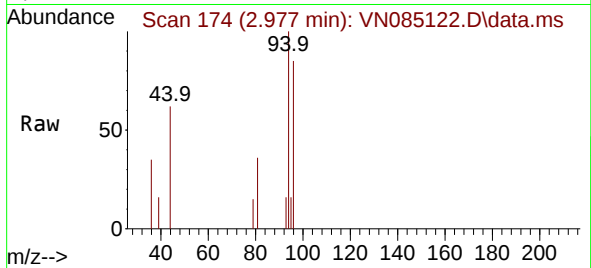




#5
Bromomethane
Concen: 1.520 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN085122.D
Acq: 06 Dec 2024 12:01

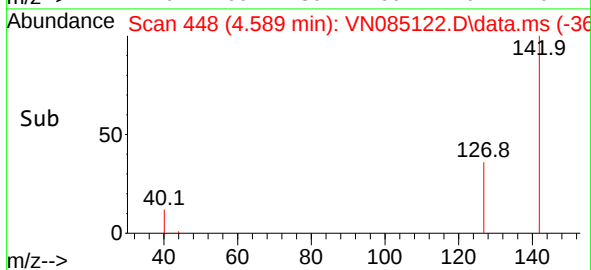
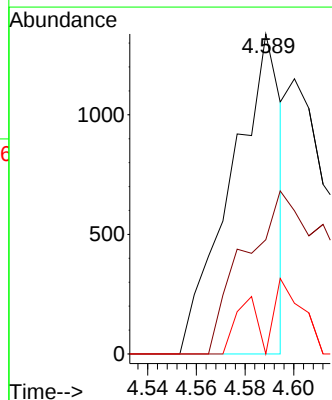
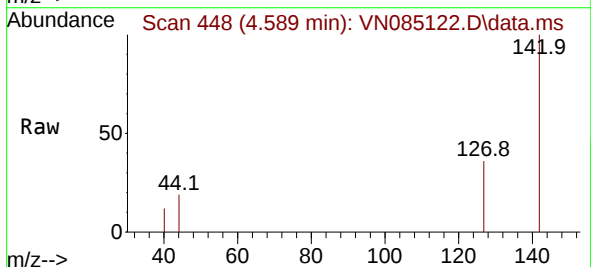
Instrument :
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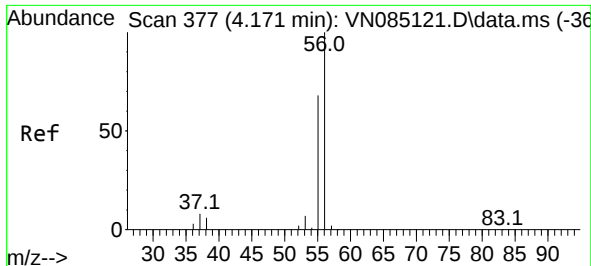
Tgt Ion: 94 Resp: 2141
Ion Ratio Lower Upper
94 100
96 84.9 76.2 114.4



#11
Methyl Iodide
Concen: 0.742 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.000 min
Lab File: VN085122.D
Acq: 06 Dec 2024 12:01

Tgt Ion: 142 Resp: 1919
Ion Ratio Lower Upper
142 100
127 16.9 22.5 67.5#
141 0.0 8.3 24.9#

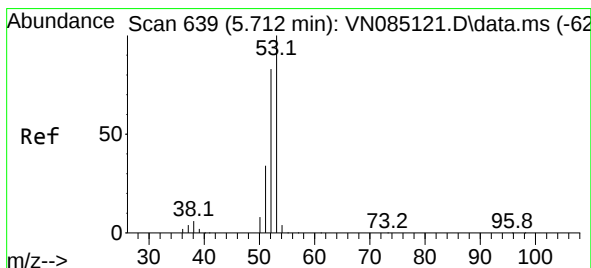
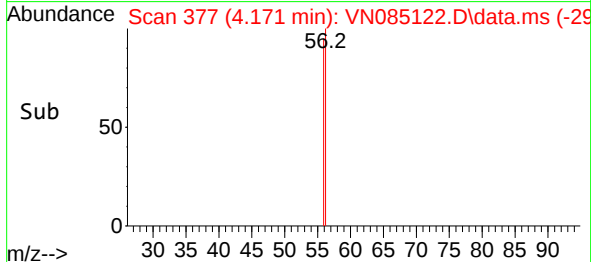
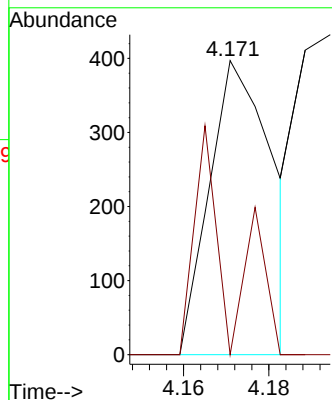
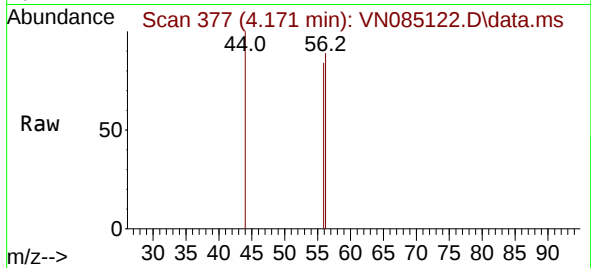




#13
Acrolein
Concen: 1.282 ug/l
RT: 4.171 min Scan# 31
Delta R.T. -0.012 min
Lab File: VN085122.D
Acq: 06 Dec 2024 12:01

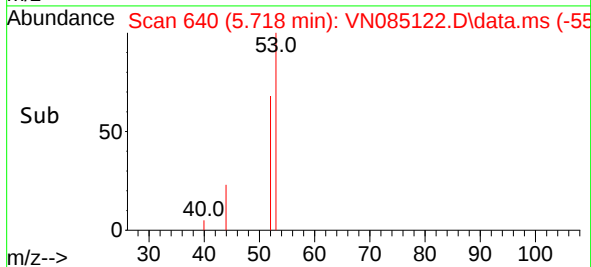
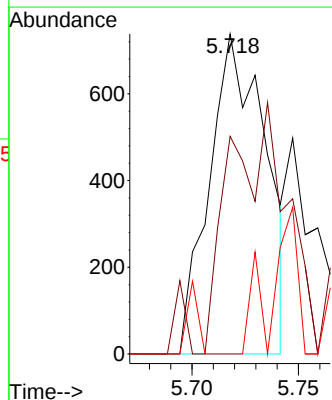
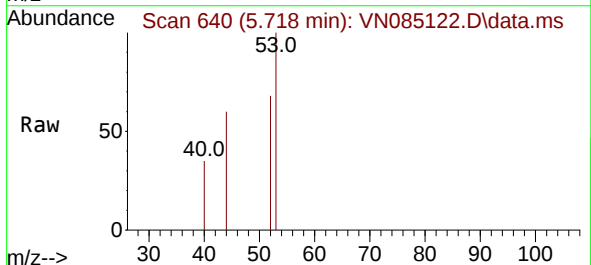
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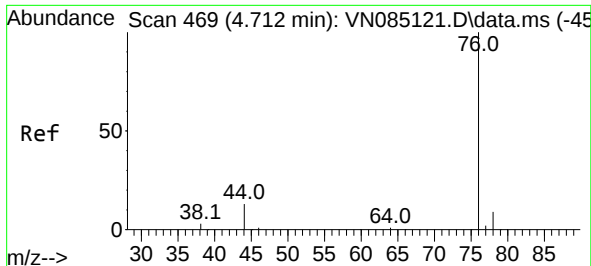
Tgt Ion: 56 Resp: 410
Ion Ratio Lower Upper
56 100
55 17.1 59.4 89.0#



#14
Acrylonitrile
Concen: 1.482 ug/l
RT: 5.718 min Scan# 640
Delta R.T. -0.000 min
Lab File: VN085122.D
Acq: 06 Dec 2024 12:01

Tgt Ion: 53 Resp: 1354
Ion Ratio Lower Upper
53 100
52 41.4 42.9 128.5#
51 0.0 17.2 51.5#

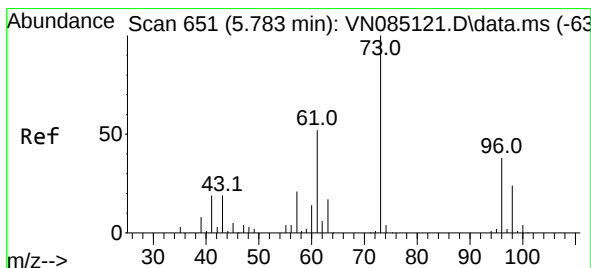
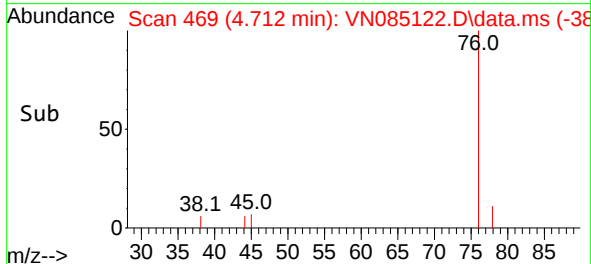
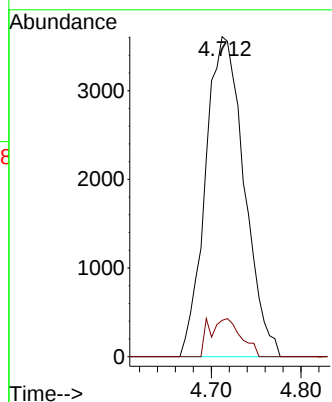
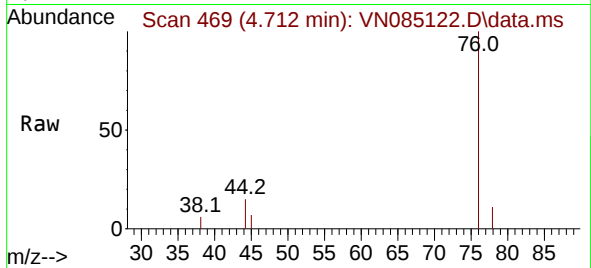




#16
Carbon Disulfide
Concen: 1.944 ug/l
RT: 4.712 min Scan# 469
Delta R.T. -0.000 min
Lab File: VN085122.D
Acq: 06 Dec 2024 12:01

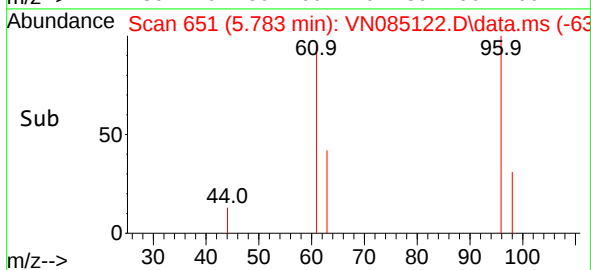
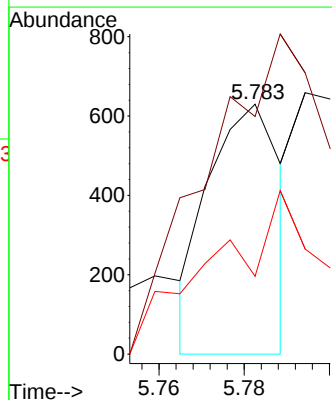
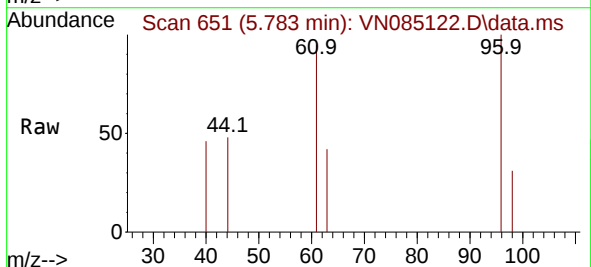
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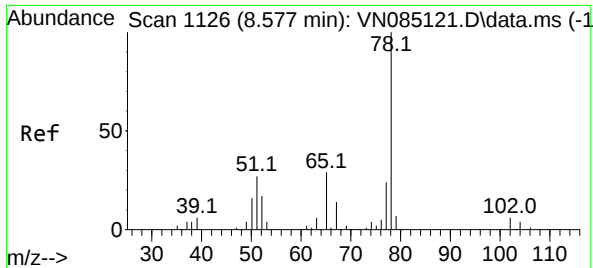
Tgt Ion: 76 Resp: 10841
Ion Ratio Lower Upper
76 100
78 11.4 7.1 10.7#



#19
trans-1,2-Dichloroethene
Concen: 0.382 ug/l
RT: 5.783 min Scan# 651
Delta R.T. -0.000 min
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Acq: 06 Dec 2024 12:01

Tgt Ion: 96 Resp: 741
Ion Ratio Lower Upper
96 100
61 46.1 100.4 150.6#
98 9.9 52.6 79.0#

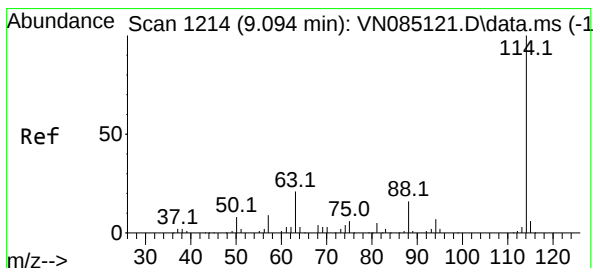
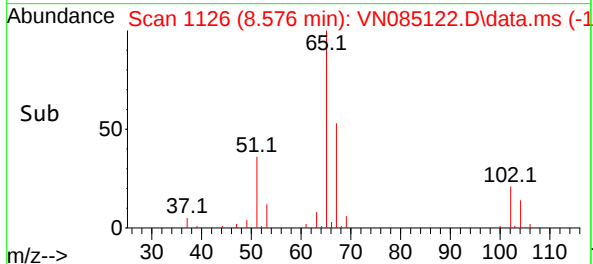
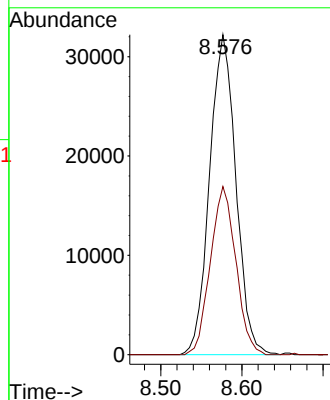
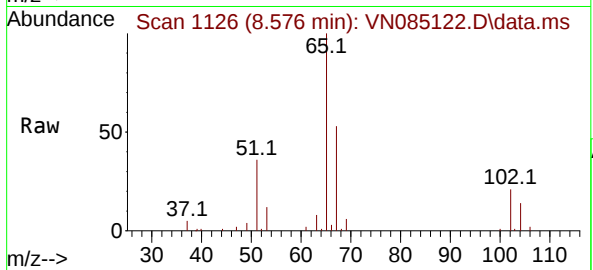




#27
1,2-Dichloroethane-d4
Concen: 29.862 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN085122.D
Acq: 06 Dec 2024 12:01

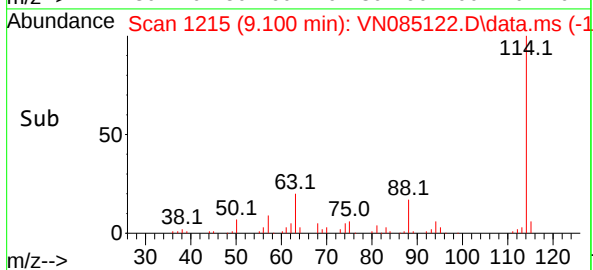
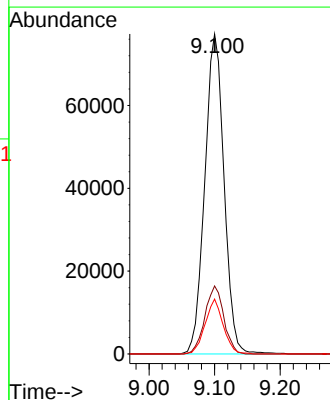
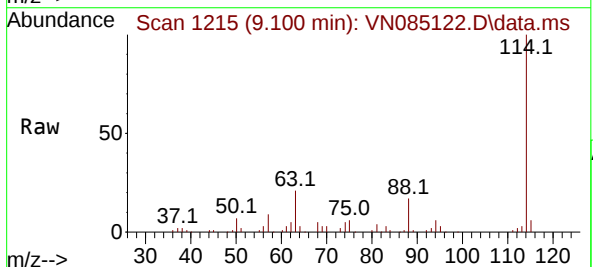
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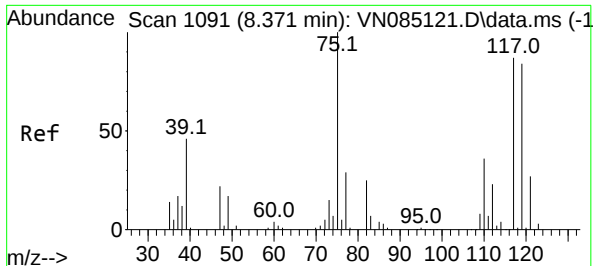
Tgt Ion: 65 Resp: 72572
Ion Ratio Lower Upper
65 100
67 50.8 39.9 59.9



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN085122.D
Acq: 06 Dec 2024 12:01

Tgt Ion:114 Resp: 158053
Ion Ratio Lower Upper
114 100
63 20.8 16.2 24.2
88 16.1 12.5 18.7

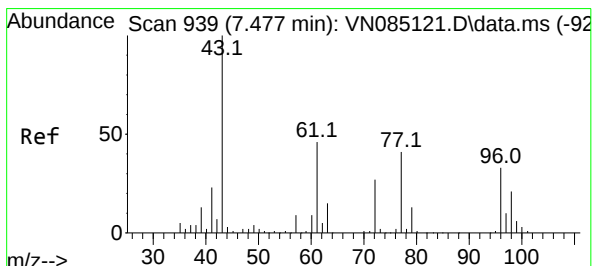
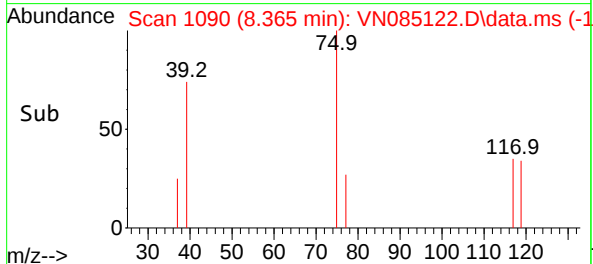
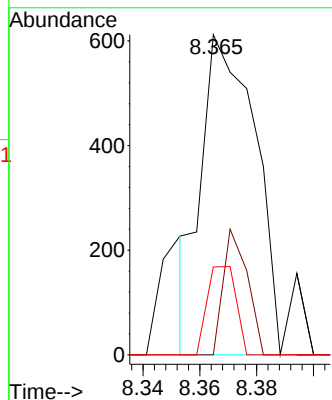
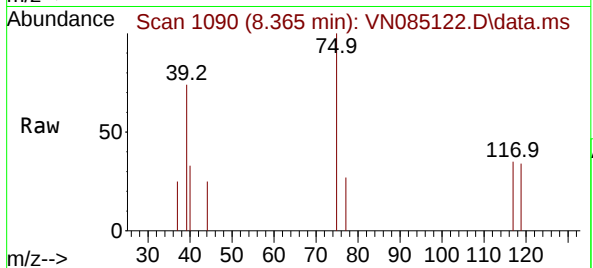




#29
1,1-Dichloropropene
Concen: 0.312 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN085122.D
Acq: 06 Dec 2024 12:01

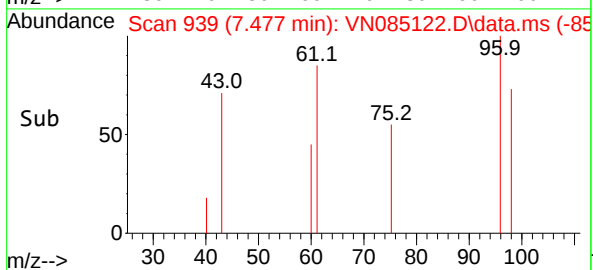
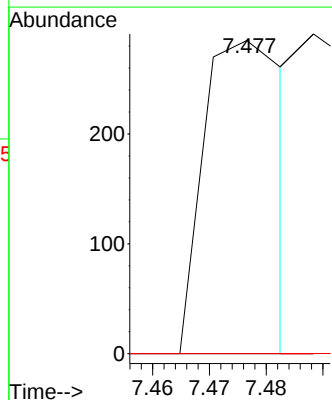
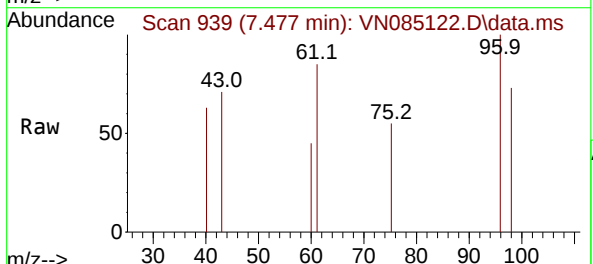
Instrument :
MSVOA_N
ClientSampleId :
IBLK

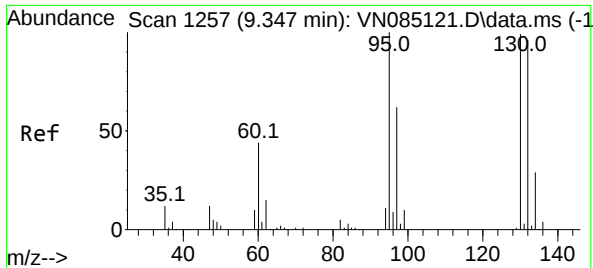
Tgt Ion: 75	Resp:	796
Ion	Ratio	Lower Upper
75	100	
110	17.8	0.0 71.6
77	14.9	0.0 62.2



#30
2-Butanone
Concen: 0.246 ug/l
RT: 7.477 min Scan# 939
Delta R.T. -0.006 min
Lab File: VN085122.D
Acq: 06 Dec 2024 12:01

Tgt Ion: 43	Resp:	288
Ion	Ratio	Lower Upper
43	100	
57	0.0	6.9 10.3#
72	0.0	21.8 32.8#

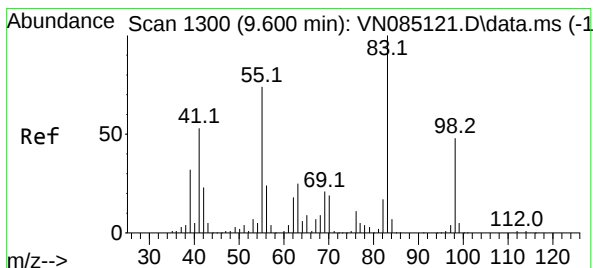
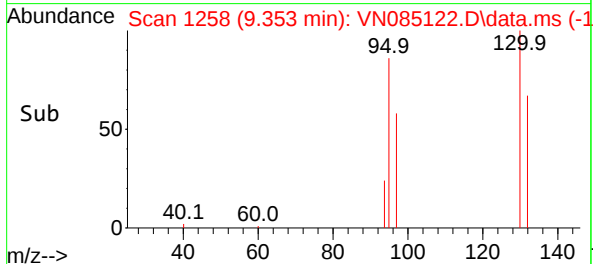
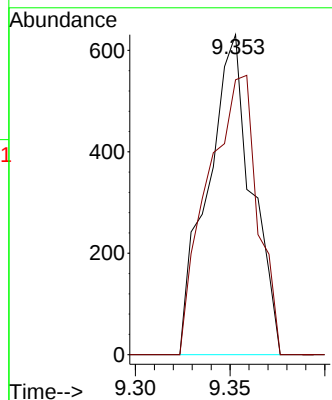
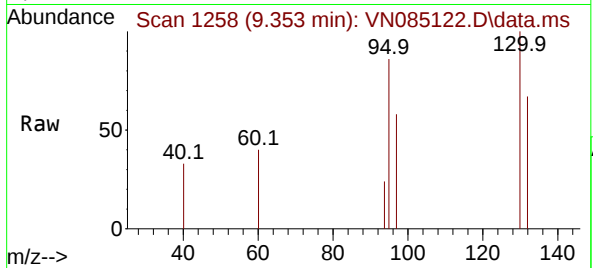




#37
Trichloroethene
Concen: 0.534 ug/l
RT: 9.353 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085122.D
Acq: 06 Dec 2024 12:01

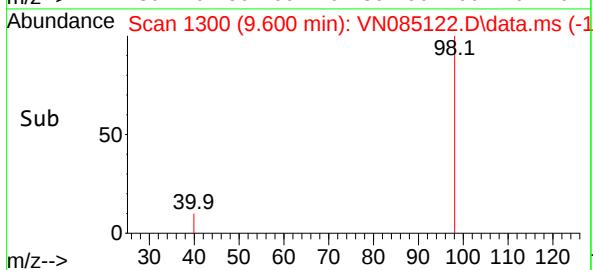
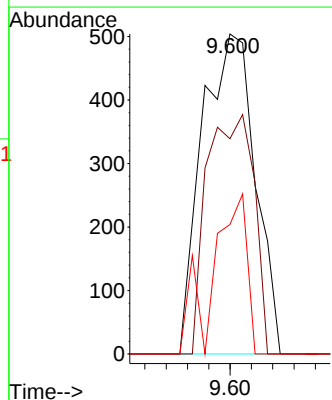
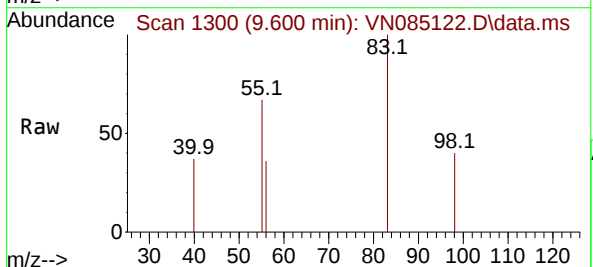
Instrument :
MSVOA_N
ClientSampleId :
IBLK

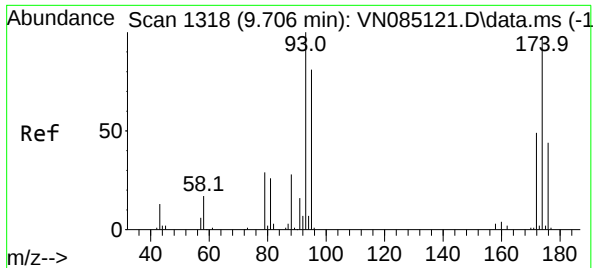
Tgt Ion:130 Resp: 1019
Ion Ratio Lower Upper
130 100
95 85.9 76.2 114.4



#38
Methylcyclohexane
Concen: 0.314 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. -0.000 min
Lab File: VN085122.D
Acq: 06 Dec 2024 12:01

Tgt Ion: 83 Resp: 871
Ion Ratio Lower Upper
83 100
55 40.1 41.4 124.4#
98 26.2 25.7 77.1

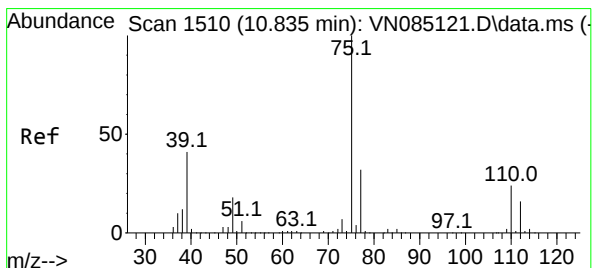
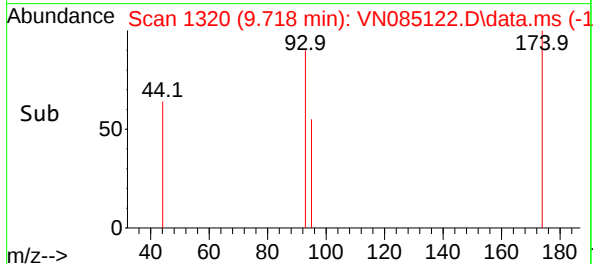
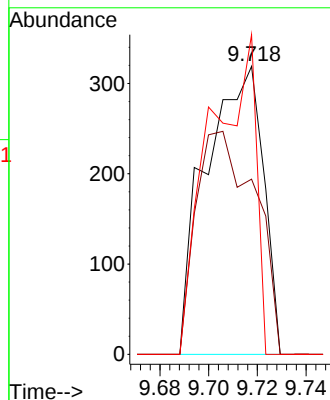
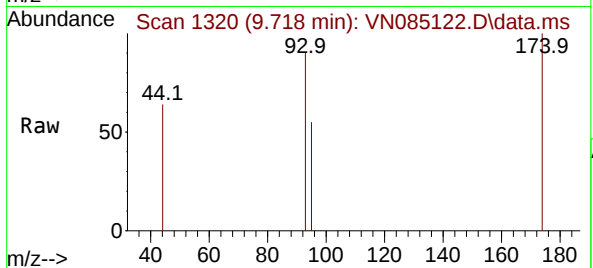




#40
Dibromomethane
Concen: 0.373 ug/l
RT: 9.718 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN085122.D
Acq: 06 Dec 2024 12:01

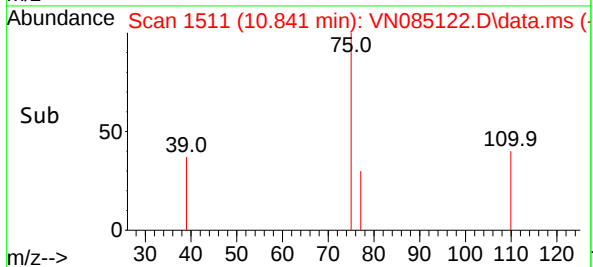
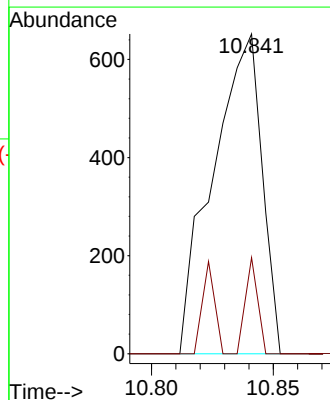
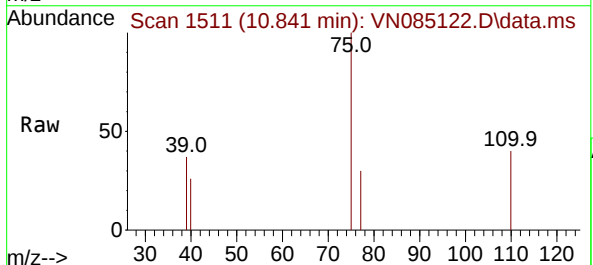
Instrument :
MSVOA_N
ClientSampleId :
IBLK

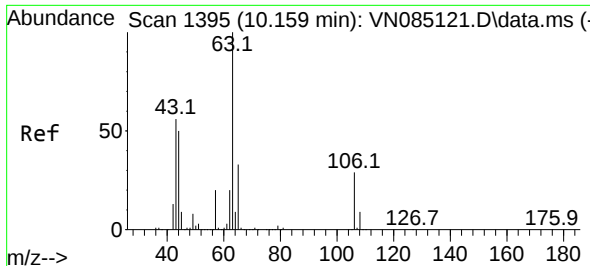
Tgt Ion: 93 Resp: 519
Ion Ratio Lower Upper
93 100
95 0.0 0.0 169.4
174 24.1 0.0 189.8



#48
t-1,3-Dichloropropene
Concen: 0.312 ug/l
RT: 10.841 min Scan# 1511
Delta R.T. 0.006 min
Lab File: VN085122.D
Acq: 06 Dec 2024 12:01

Tgt Ion: 75 Resp: 911
Ion Ratio Lower Upper
75 100
77 30.1 25.5 38.3

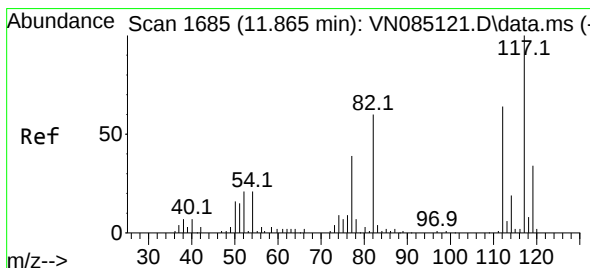
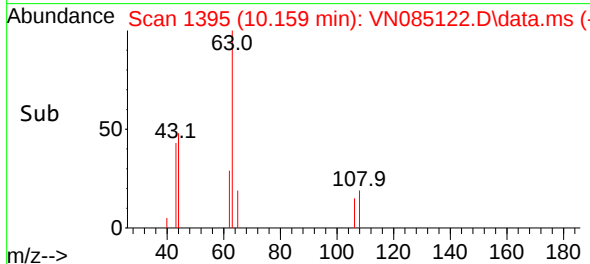
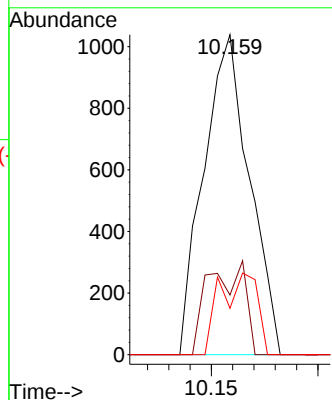
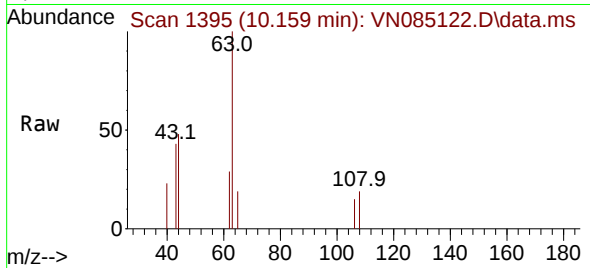




#55
2-Chloroethyl vinyl ether
Concen: 1.170 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN085122.D
Acq: 06 Dec 2024 12:01

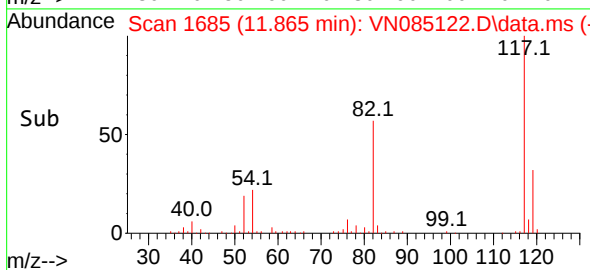
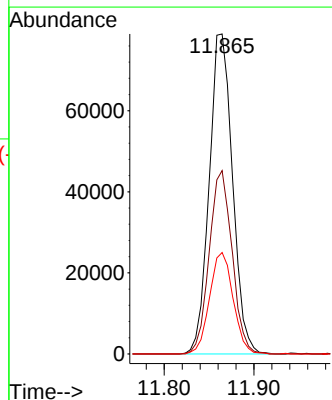
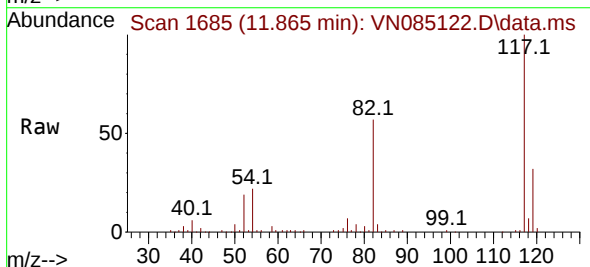
Instrument :
MSVOA_N
ClientSampleId :
IBLK

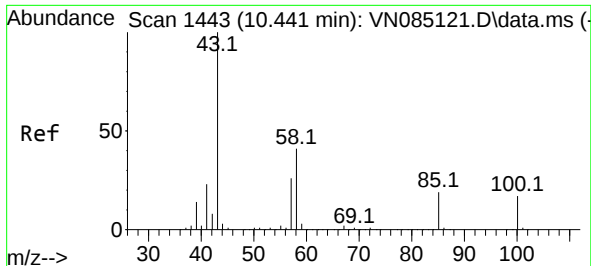
Tgt Ion: 63 Resp: 1550
Ion Ratio Lower Upper
63 100
65 7.0 25.9 38.9#
106 11.6 23.5 35.3#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN085122.D
Acq: 06 Dec 2024 12:01

Tgt Ion: 117 Resp: 142637
Ion Ratio Lower Upper
117 100
82 56.2 44.2 66.4
119 32.0 25.4 38.2

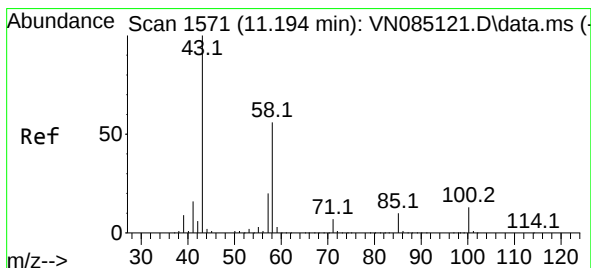
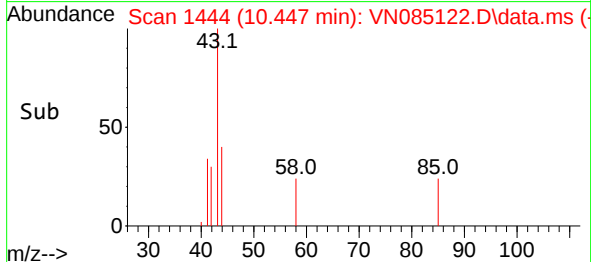
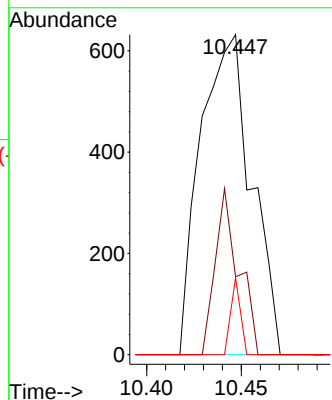
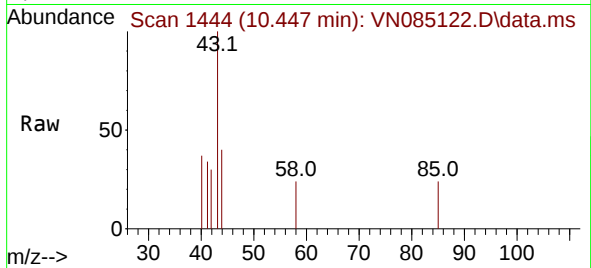




#58
4-Methyl-2-Pentanone
Concen: 0.509 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN085122.D
Acq: 06 Dec 2024 12:01

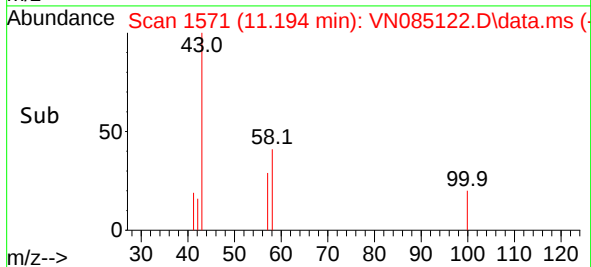
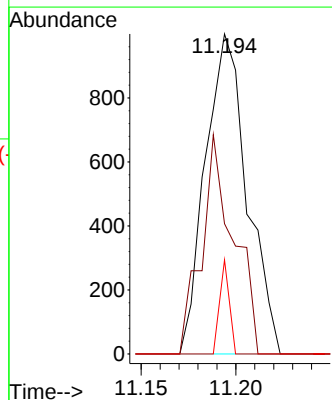
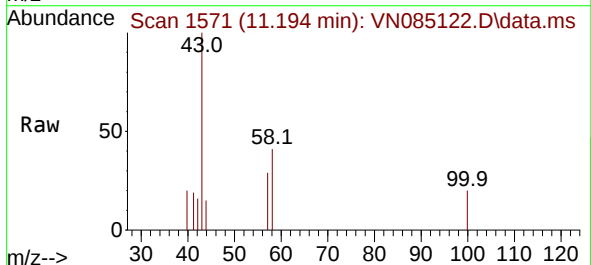
Instrument :
MSVOA_N
ClientSampleId :
IBLK

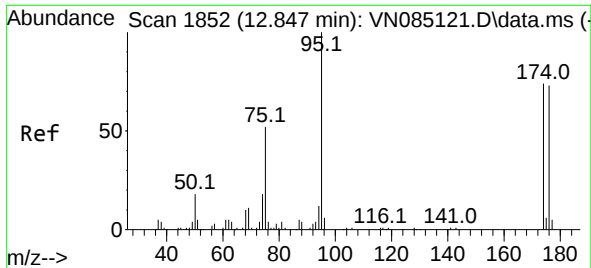
Tgt Ion: 43 Resp: 1184
Ion Ratio Lower Upper
43 100
58 23.8 31.6 47.4#
85 0.0 15.0 22.6#



#59
2-Hexanone
Concen: 0.870 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN085122.D
Acq: 06 Dec 2024 12:01

Tgt Ion: 43 Resp: 1534
Ion Ratio Lower Upper
43 100
58 44.9 43.6 65.4
57 0.0 15.4 23.0#

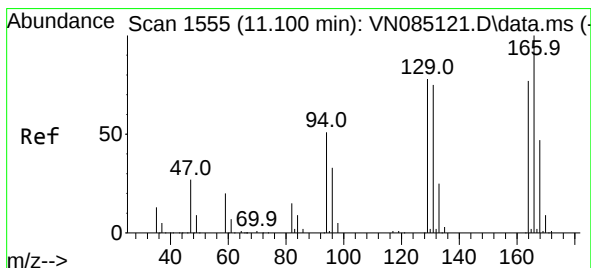
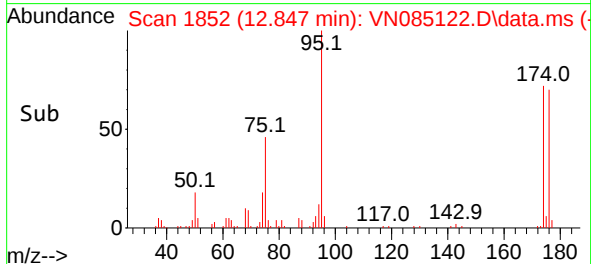
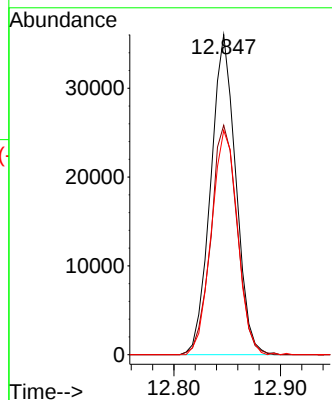
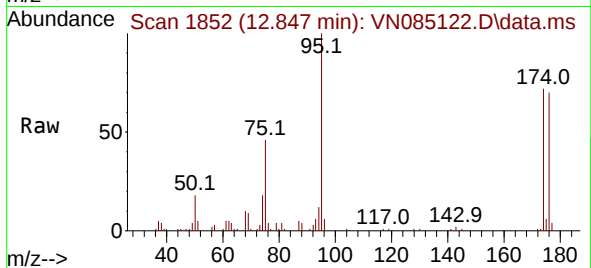




#60
4-Bromofluorobenzene
Concen: 24.971 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085122.D
Acq: 06 Dec 2024 12:01

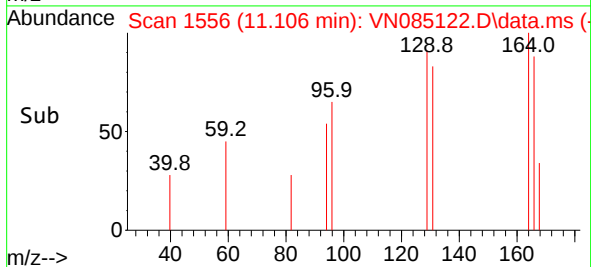
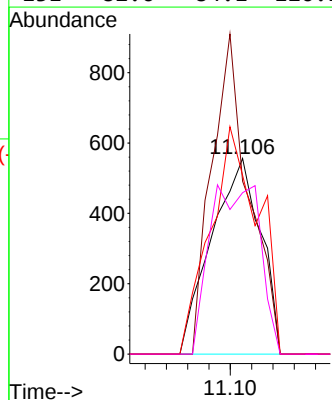
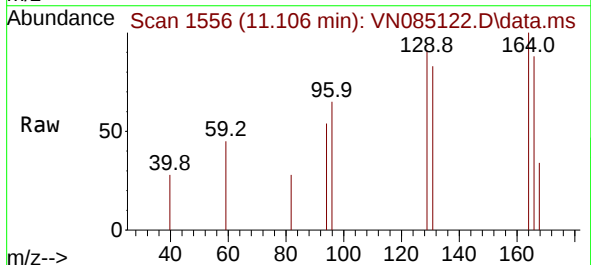
Instrument :
MSVOA_N
ClientSampleId :
IBLK

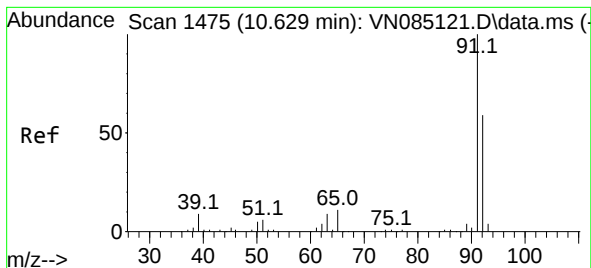
Tgt Ion: 95 Resp: 58934
Ion Ratio Lower Upper
95 100
174 74.8 60.3 90.5
176 72.9 57.4 86.0



#61
Tetrachloroethene
Concen: 0.515 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.006 min
Lab File: VN085122.D
Acq: 06 Dec 2024 12:01

Tgt Ion: 164 Resp: 890
Ion Ratio Lower Upper
164 100
166 88.3 103.8 155.8#
129 91.4 84.2 126.4
131 82.6 84.1 126.1#





#62

Toluene

Concen: 0.282 ug/l

RT: 10.623 min Scan# 1475

Delta R.T. -0.006 min

Lab File: VN085122.D

Acq: 06 Dec 2024 12:01

Instrument :

MSVOA_N

ClientSampleId :

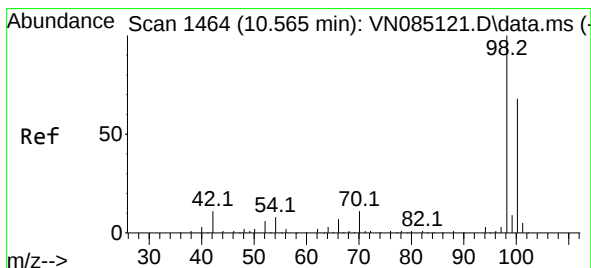
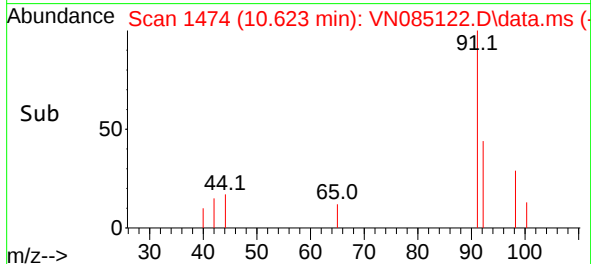
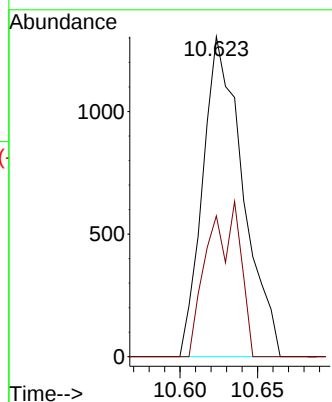
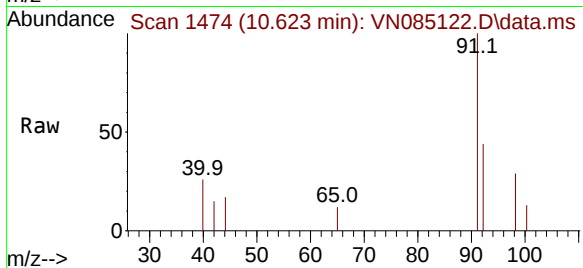
IBLK

Tgt Ion: 91 Resp: 2346

Ion Ratio Lower Upper

91 100

92 25.0 46.5 69.7#



#63

Toluene-d8

Concen: 28.785 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085122.D

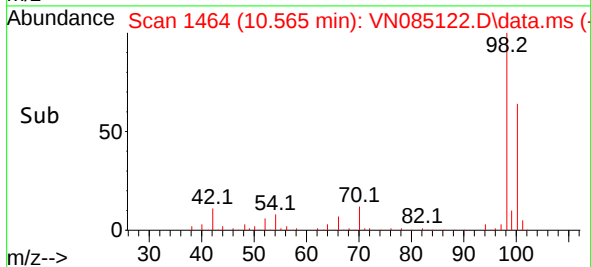
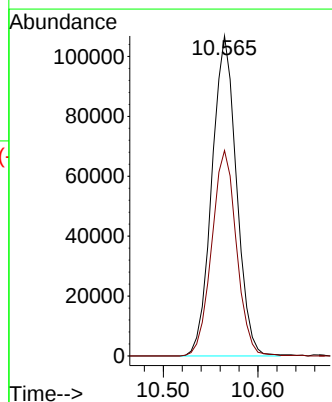
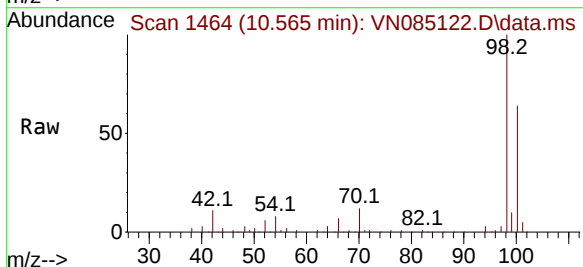
Acq: 06 Dec 2024 12:01

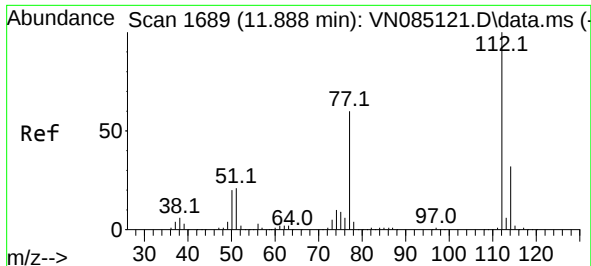
Tgt Ion: 98 Resp: 192599

Ion Ratio Lower Upper

98 100

100 64.6 52.0 78.0

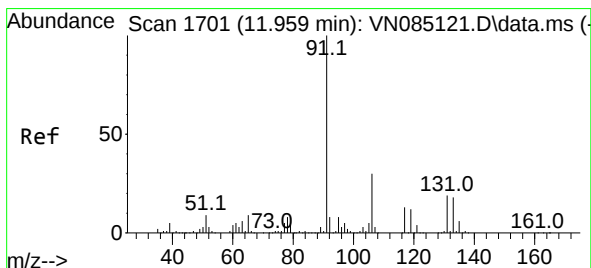
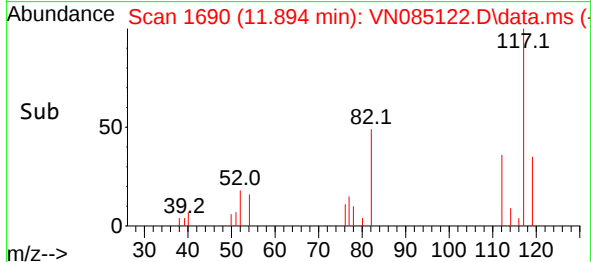
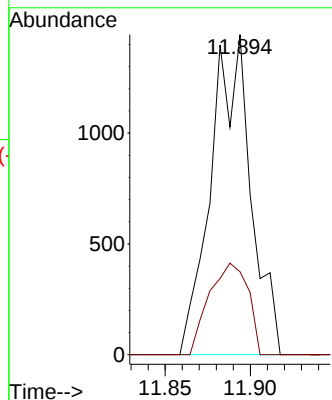
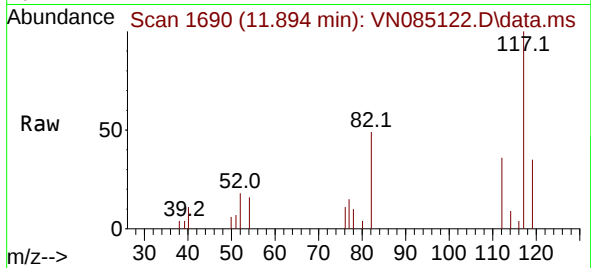




#64
Chlorobenzene
Concen: 0.457 ug/l
RT: 11.894 min Scan# 1689
Delta R.T. 0.006 min
Lab File: VN085122.D
Acq: 06 Dec 2024 12:01

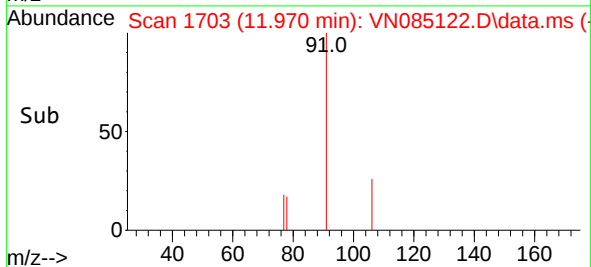
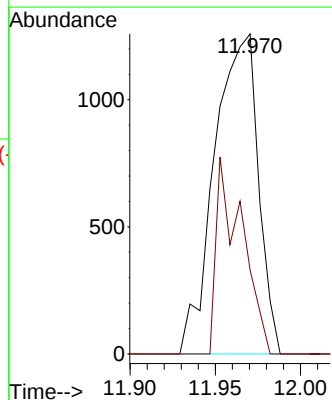
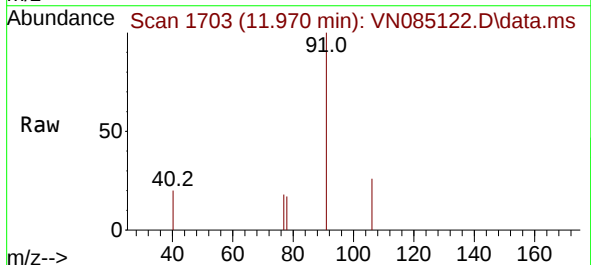
Instrument :
MSVOA_N
ClientSampleId :
IBLK

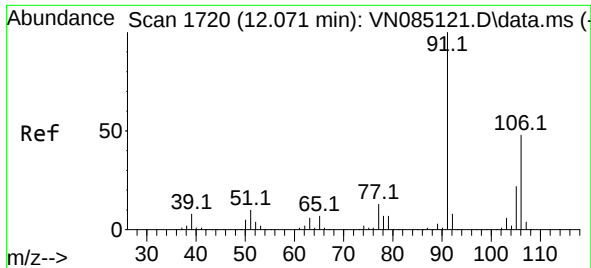
Tgt Ion:112 Resp: 2345
Ion Ratio Lower Upper
112 100
114 25.9 26.0 39.0#



#66
Ethyl Benzene
Concen: 0.255 ug/l
RT: 11.970 min Scan# 1703
Delta R.T. 0.006 min
Lab File: VN085122.D
Acq: 06 Dec 2024 12:01

Tgt Ion: 91 Resp: 2247
Ion Ratio Lower Upper
91 100
106 26.2 23.1 34.7





#67

m/p-Xylenes

Concen: 0.556 ug/l

RT: 12.065 min Scan# 1719

Delta R.T. -0.006 min

Lab File: VN085122.D

Acq: 06 Dec 2024 12:01

Instrument :

MSVOA_N

ClientSampleId :

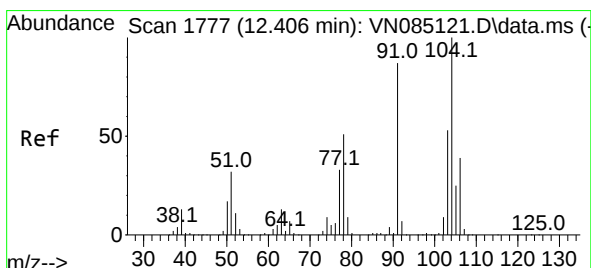
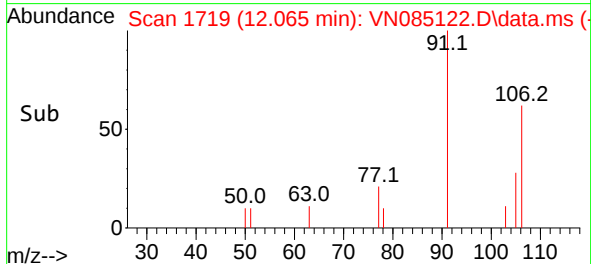
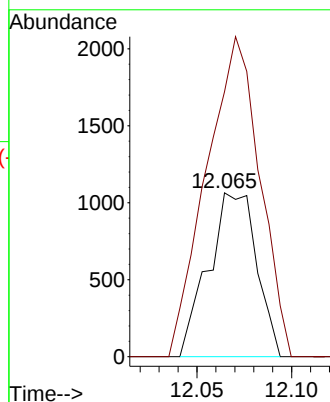
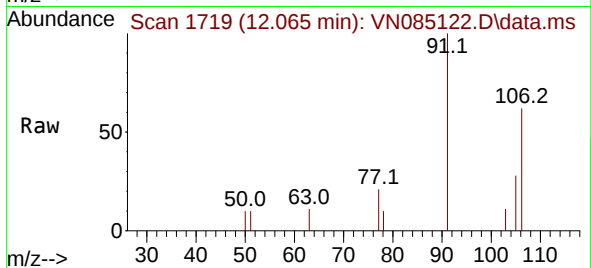
IBLK

Tgt Ion:106 Resp: 1889

Ion Ratio Lower Upper

106 100

91 216.1 165.0 247.4



#69

Styrene

Concen: 0.315 ug/l

RT: 12.412 min Scan# 1778

Delta R.T. -0.000 min

Lab File: VN085122.D

Acq: 06 Dec 2024 12:01

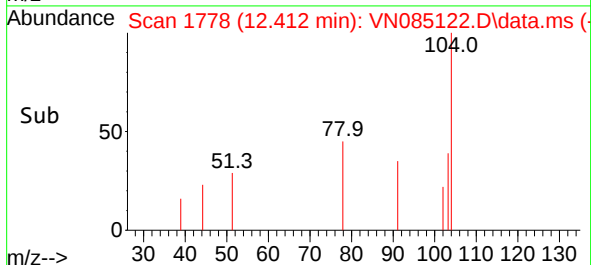
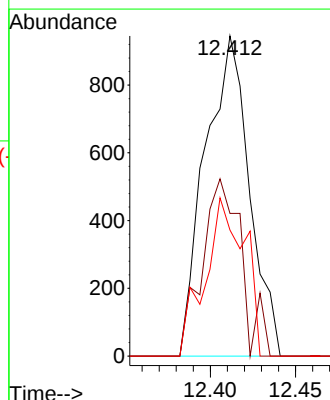
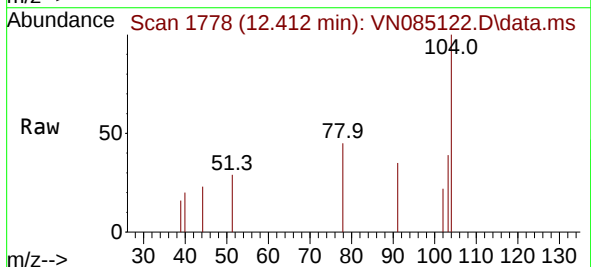
Tgt Ion:104 Resp: 1703

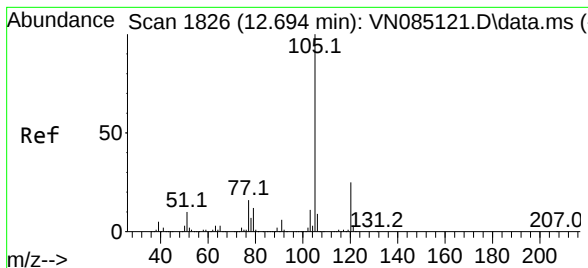
Ion Ratio Lower Upper

104 100

78 45.2 42.3 63.5

103 29.2 44.4 66.6#





#70

Isopropylbenzene

Concen: 0.227 ug/l

RT: 12.700 min Scan# 1826

Delta R.T. 0.006 min

Lab File: VN085122.D

Acq: 06 Dec 2024 12:01

Instrument :

MSVOA_N

ClientSampleId :

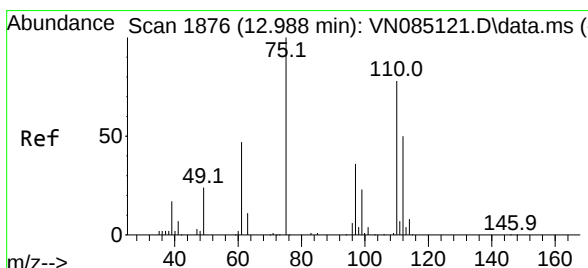
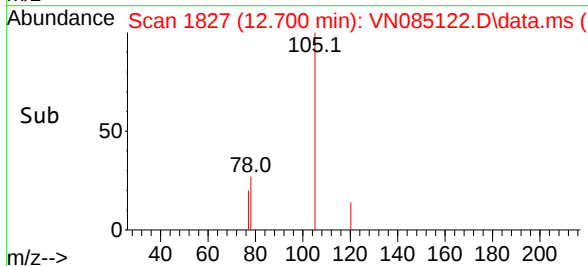
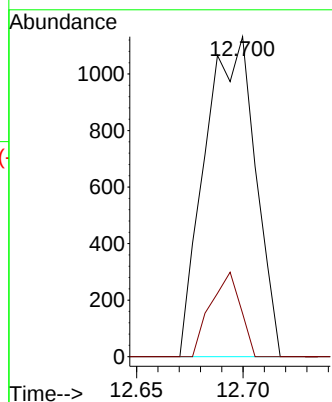
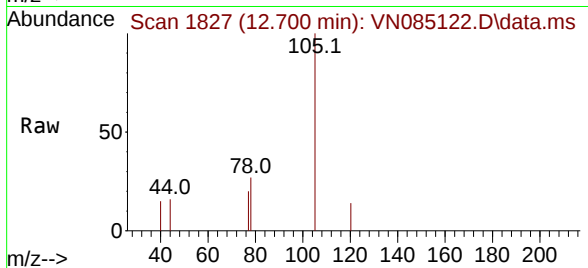
IBLK

Tgt Ion:105 Resp: 1865

Ion Ratio Lower Upper

105 100

120 15.7 18.3 33.9#



#72

1,2,3-Trichloropropane

Concen: 0.234 ug/l

RT: 12.976 min Scan# 1874

Delta R.T. -0.018 min

Lab File: VN085122.D

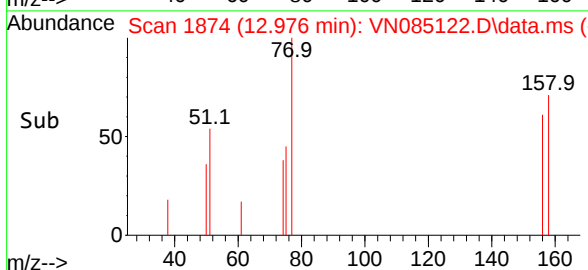
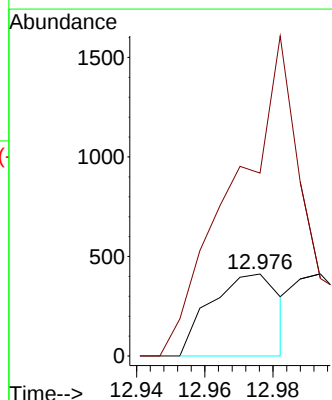
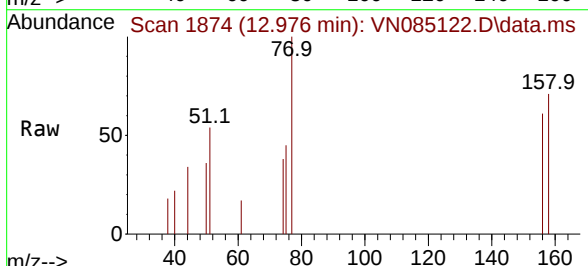
Acq: 06 Dec 2024 12:01

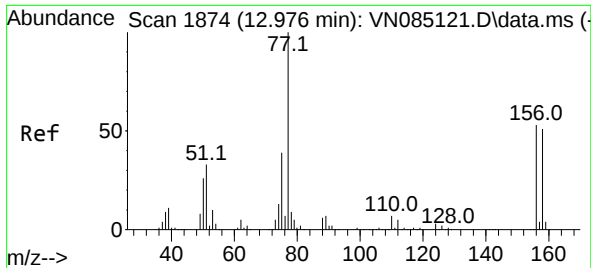
Tgt Ion: 75 Resp: 579

Ion Ratio Lower Upper

75 100

77 420.4 0.0 339.0#

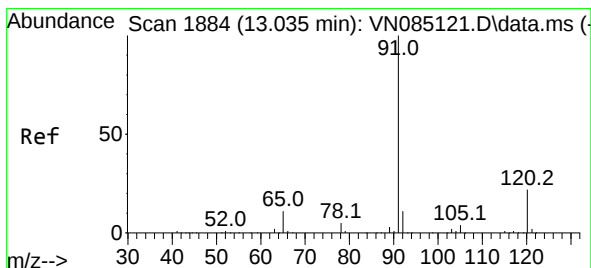
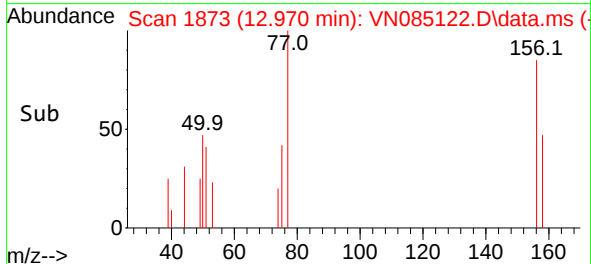
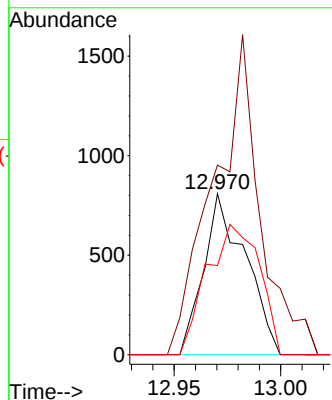
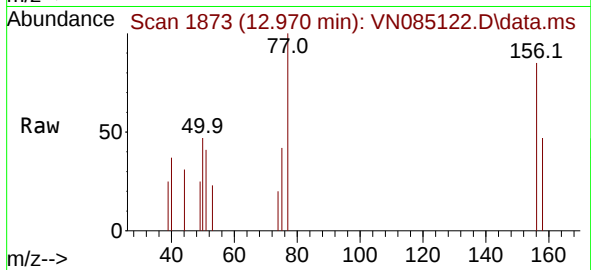




#73
Bromobenzene
Concen: 0.536 ug/l
RT: 12.970 min Scan# 1873
Delta R.T. -0.006 min
Lab File: VN085122.D
Acq: 06 Dec 2024 12:01

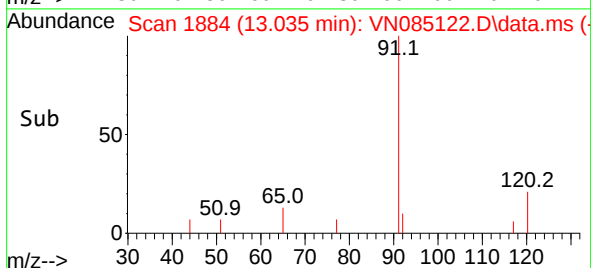
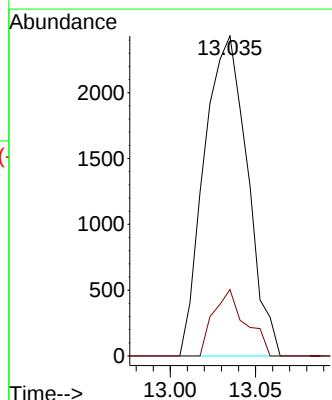
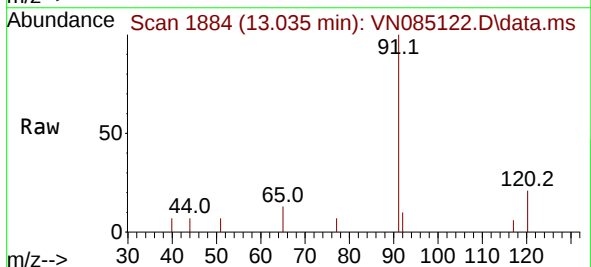
Instrument :
MSVOA_N
ClientSampleId :
IBLK

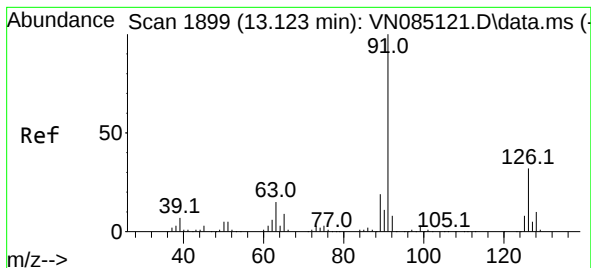
Tgt Ion:156 Resp: 1104
Ion Ratio Lower Upper
156 100
77 220.5 0.0 430.4
158 101.1 0.0 195.2



#74
n-propylbenzene
Concen: 0.433 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN085122.D
Acq: 06 Dec 2024 12:01

Tgt Ion: 91 Resp: 4284
Ion Ratio Lower Upper
91 100
120 13.9 0.0 44.0





#75

2-Chlorotoluene

Concen: 0.422 ug/l

RT: 13.129 min Scan# 1899

Delta R.T. 0.006 min

Lab File: VN085122.D

Acq: 06 Dec 2024 12:01

Instrument :

MSVOA_N

ClientSampleId :

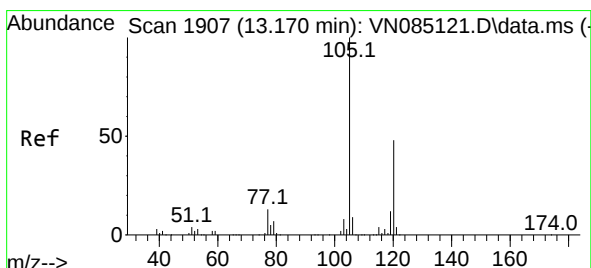
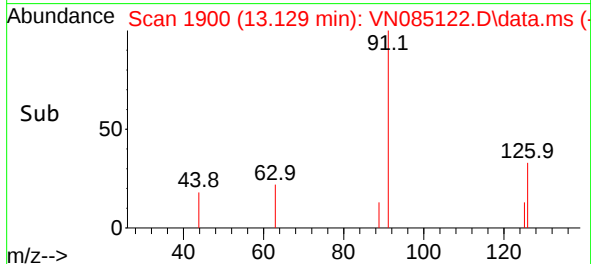
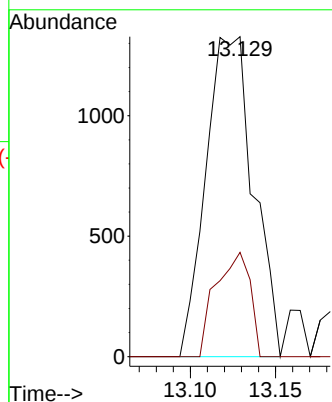
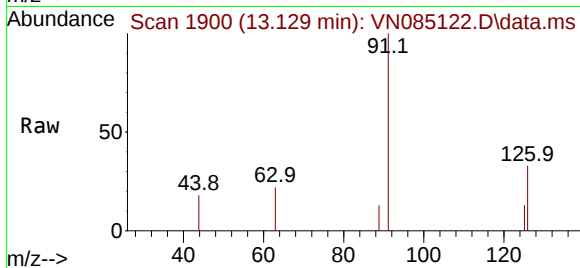
IBLK

Tgt Ion: 91 Resp: 2580

Ion Ratio Lower Upper

91 100

126 23.4 0.0 64.2



#76

1,3,5-Trimethylbenzene

Concen: 0.247 ug/l

RT: 13.164 min Scan# 1906

Delta R.T. -0.006 min

Lab File: VN085122.D

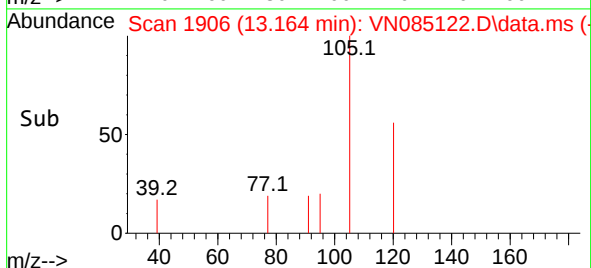
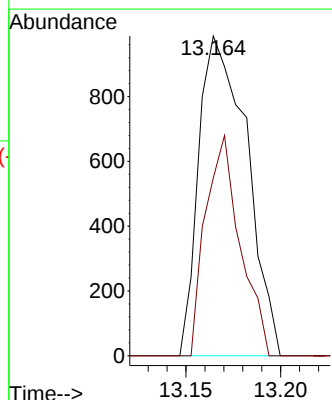
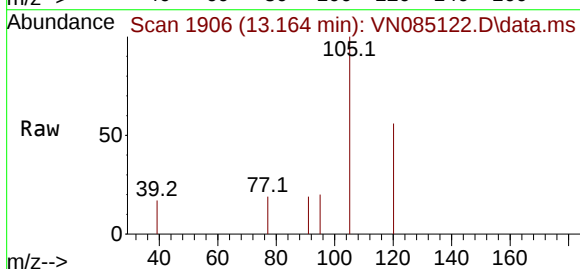
Acq: 06 Dec 2024 12:01

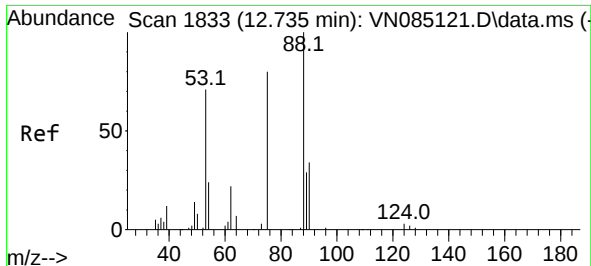
Tgt Ion: 105 Resp: 1737

Ion Ratio Lower Upper

105 100

120 49.8 0.0 94.4





#77

t-1,4-Dichloro-2-butene

Concen: 33.276 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN085122.D

Acq: 06 Dec 2024 12:01

Instrument :

MSVOA_N

ClientSampleId :

IBLK

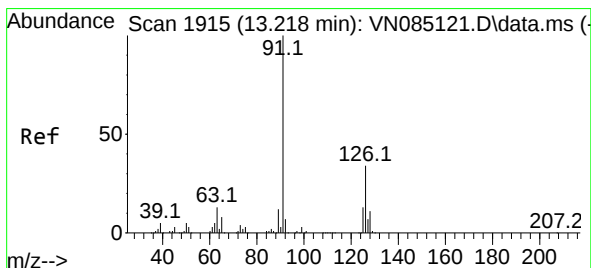
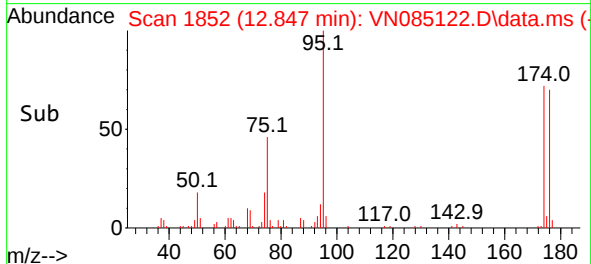
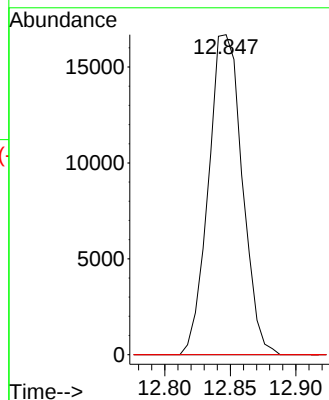
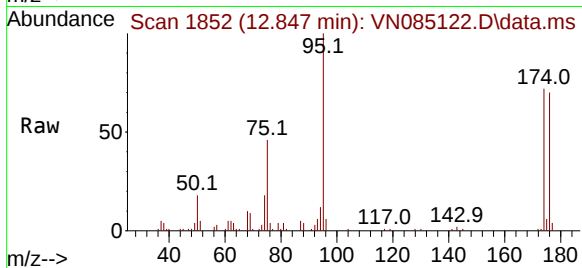
Tgt Ion: 75 Resp: 29898

Ion Ratio Lower Upper

75 100

53 0.0 49.1 147.3#

89 0.0 22.9 68.5#



#78

4-Chlorotoluene

Concen: 0.569 ug/l

RT: 13.217 min Scan# 1915

Delta R.T. -0.000 min

Lab File: VN085122.D

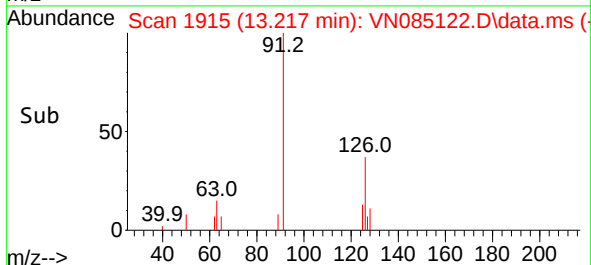
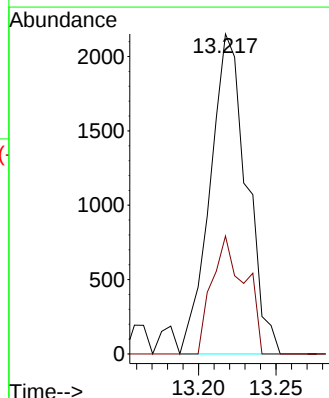
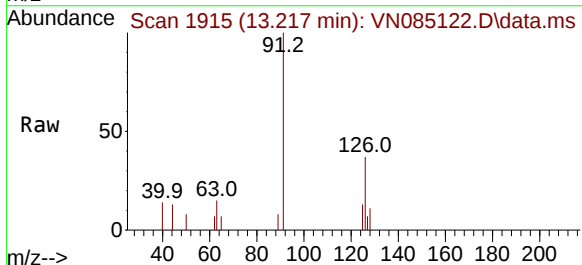
Acq: 06 Dec 2024 12:01

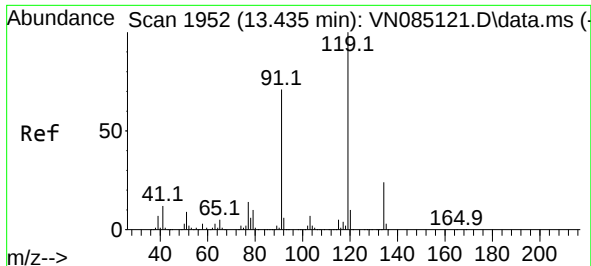
Tgt Ion: 91 Resp: 3530

Ion Ratio Lower Upper

91 100

126 27.6 0.0 64.4

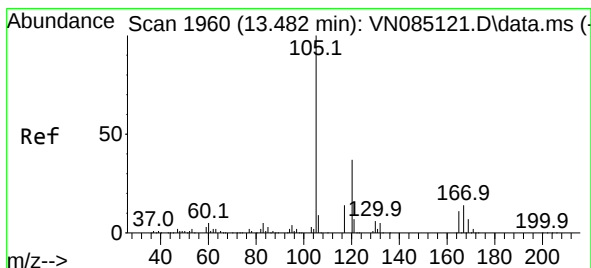
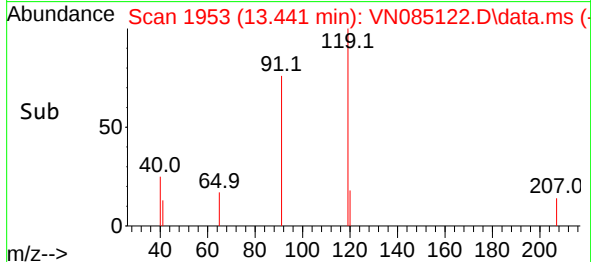
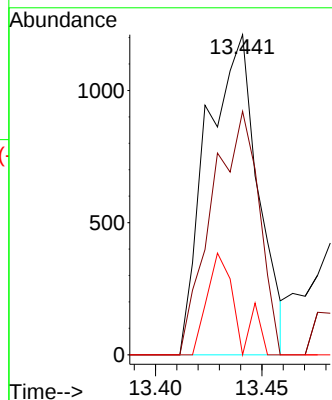
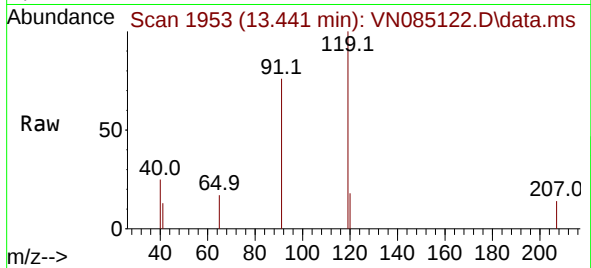




#79
tert-butylbenzene
Concen: 0.351 ug/l
RT: 13.441 min Scan# 1953
Delta R.T. 0.006 min
Lab File: VN085122.D
Acq: 06 Dec 2024 12:01

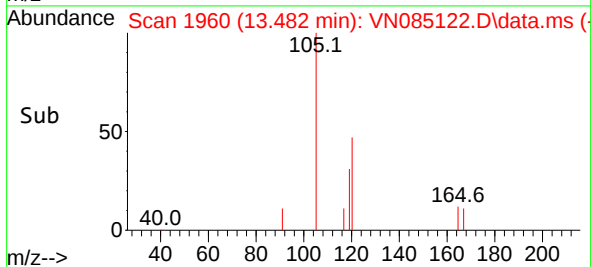
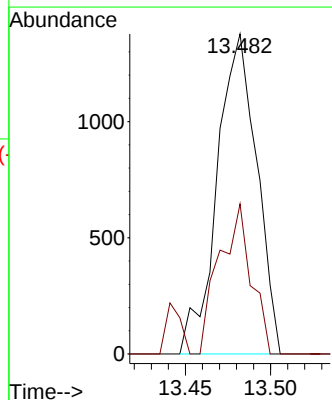
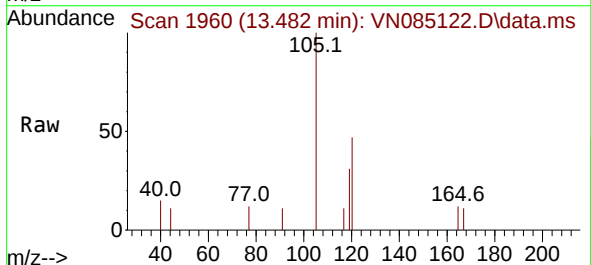
Instrument :
MSVOA_N
ClientSampleId :
IBLK

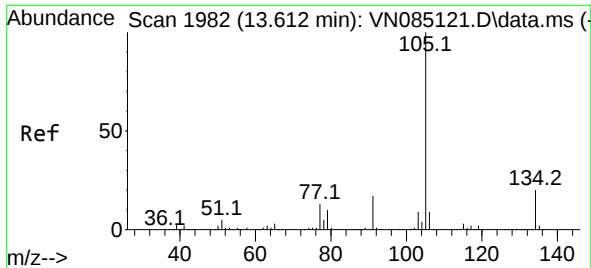
Tgt Ion:119 Resp: 2029
Ion Ratio Lower Upper
119 100
91 69.9 0.0 139.2
134 3.4 0.0 48.0



#80
1,2,4-Trimethylbenzene
Concen: 0.320 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085122.D
Acq: 06 Dec 2024 12:01

Tgt Ion:105 Resp: 2228
Ion Ratio Lower Upper
105 100
120 37.9 0.0 87.4

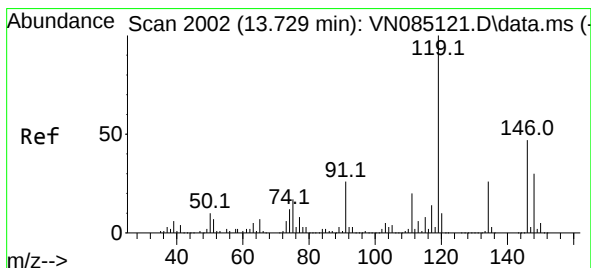
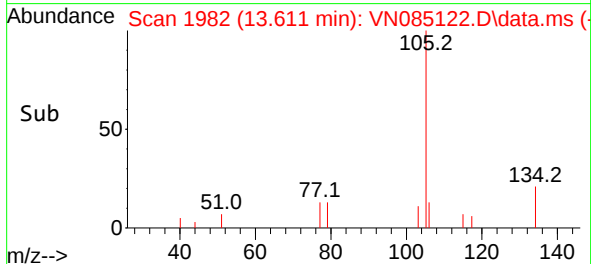
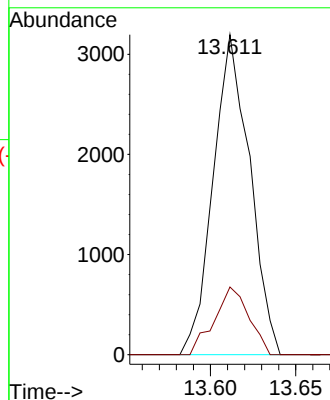
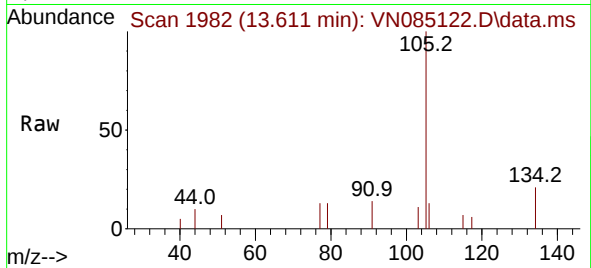




#81
 sec-Butylbenzene
 Concen: 0.579 ug/l
 RT: 13.611 min Scan# 1982
 Delta R.T. -0.000 min
 Lab File: VN085122.D
 Acq: 06 Dec 2024 12:01

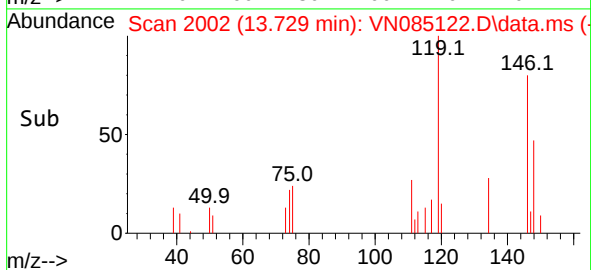
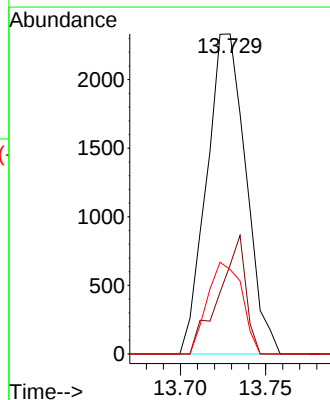
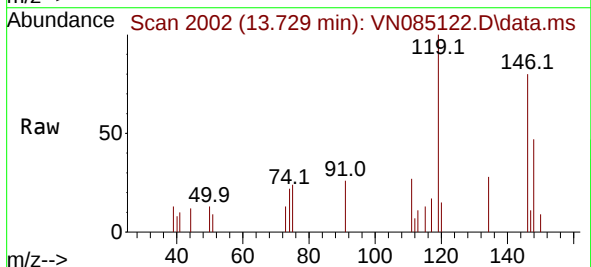
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

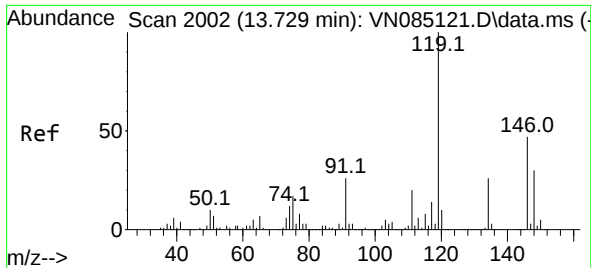
Tgt Ion:105 Resp: 4764
 Ion Ratio Lower Upper
 105 100
 134 20.0 0.0 38.0



#82
 p-Isopropyltoluene
 Concen: 0.548 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. -0.000 min
 Lab File: VN085122.D
 Acq: 06 Dec 2024 12:01

Tgt Ion:119 Resp: 3732
 Ion Ratio Lower Upper
 119 100
 134 25.2 0.0 51.6
 91 25.2 0.0 50.4

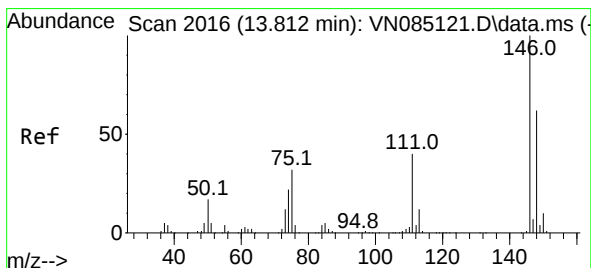
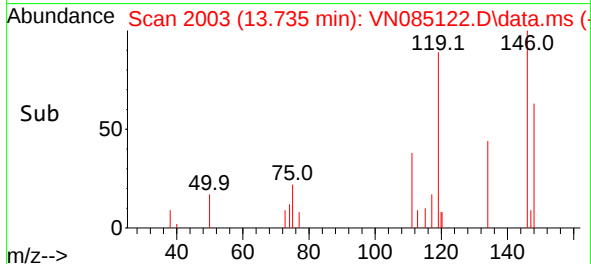
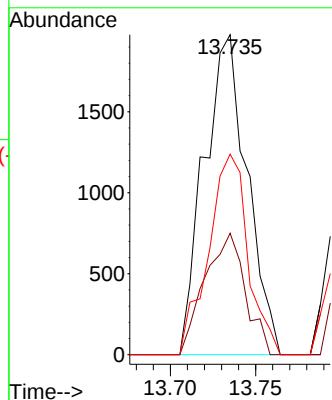
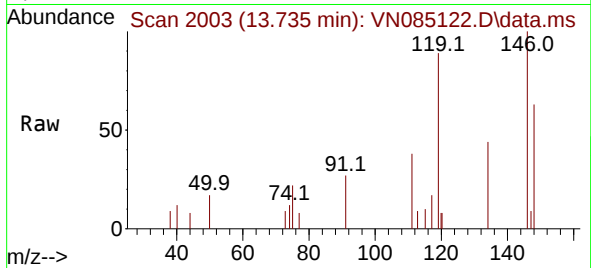




#83
1,3-Dichlorobenzene
Concen: 0.918 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. 0.006 min
Lab File: VN085122.D
Acq: 06 Dec 2024 12:01

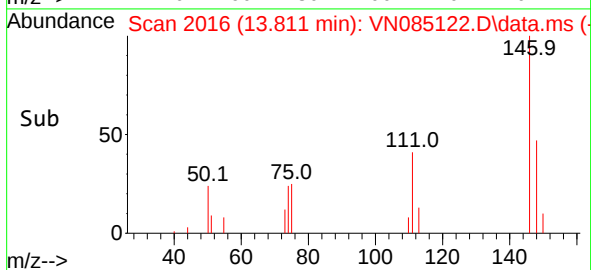
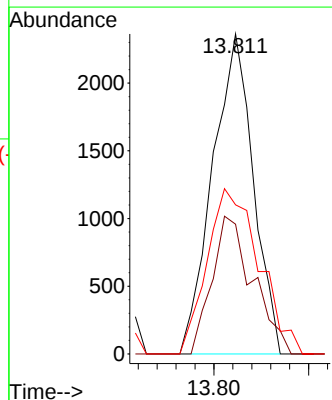
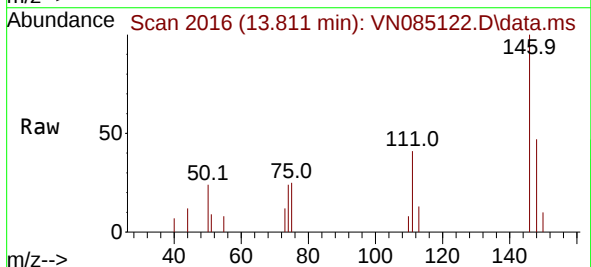
Instrument :
MSVOA_N
ClientSampleId :
IBLK

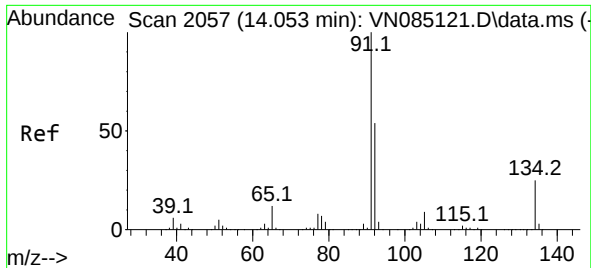
Tgt Ion:146 Resp: 3469
Ion Ratio Lower Upper
146 100
111 35.8 21.1 63.3
148 57.4 31.8 95.3



#84
1,4-Dichlorobenzene
Concen: 0.957 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN085122.D
Acq: 06 Dec 2024 12:01

Tgt Ion:146 Resp: 3525
Ion Ratio Lower Upper
146 100
111 43.5 20.1 60.3
148 66.2 31.6 94.7

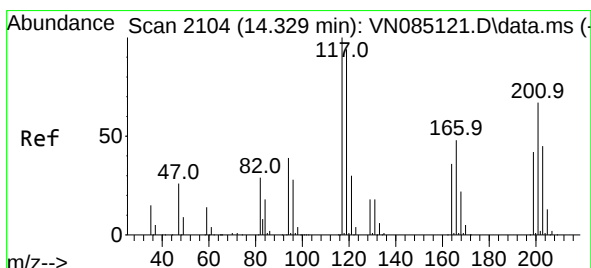
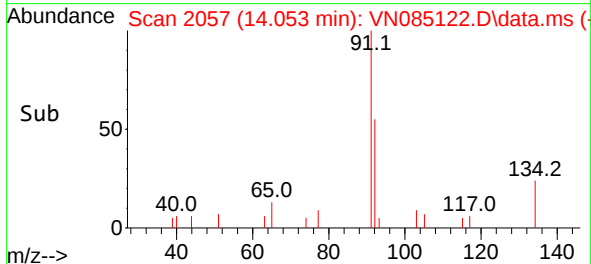
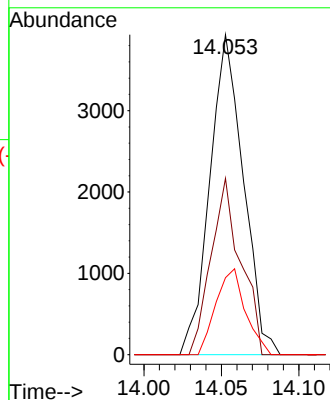
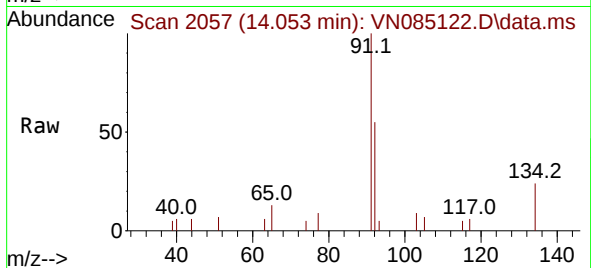




#85
n-Butylbenzene
Concen: 1.035 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN085122.D
Acq: 06 Dec 2024 12:01

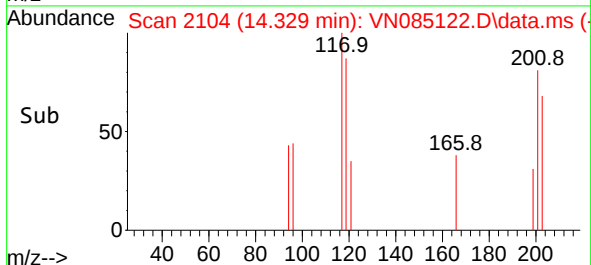
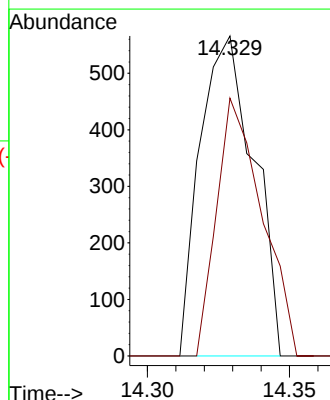
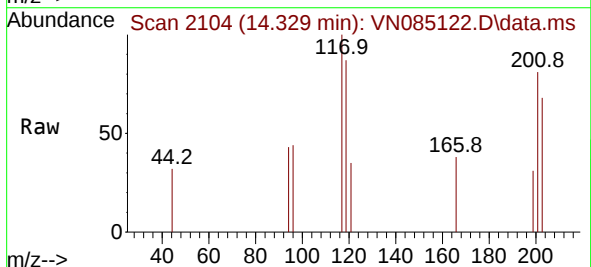
Instrument :
MSVOA_N
ClientSampleId :
IBLK

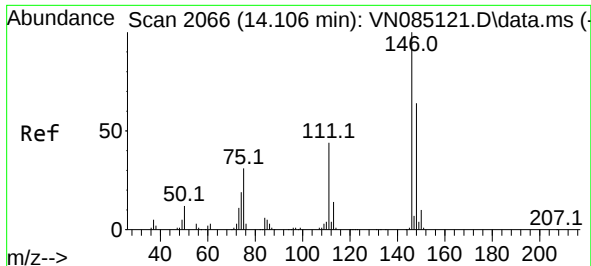
Tgt Ion:	91	Resp:	5916
Ion	Ratio	Lower	Upper
91	100		
92	48.8	0.0	104.0
134	23.7	0.0	49.2



#86
Hexachloroethane
Concen: 0.548 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN085122.D
Acq: 06 Dec 2024 12:01

Tgt Ion:	117	Resp:	744
Ion	Ratio	Lower	Upper
117	100		
201	68.1	34.1	102.3





#87

1,2-Dichlorobenzene

Concen: 0.898 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. 0.006 min

Lab File: VN085122.D

Acq: 06 Dec 2024 12:01

Instrument :

MSVOA_N

ClientSampleId :

IBLK

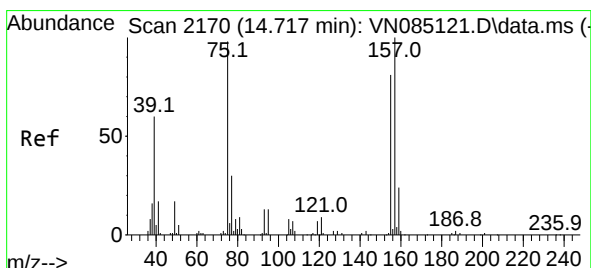
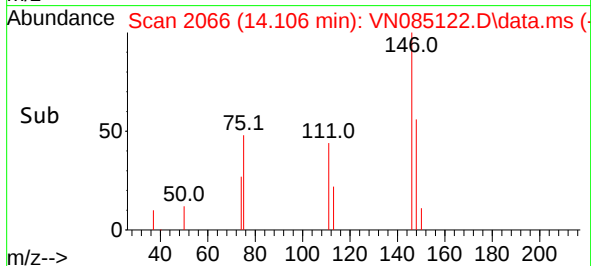
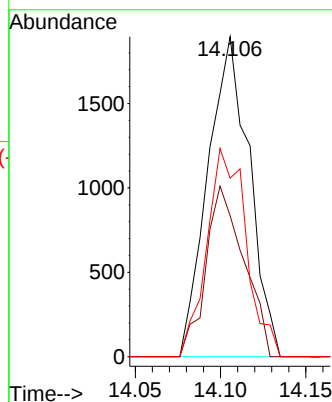
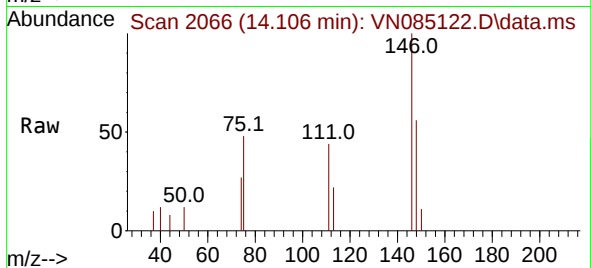
Tgt Ion:146 Resp: 3204

Ion Ratio Lower Upper

146 100

111 48.8 21.9 65.7

148 61.6 32.4 97.0



#88

1,2-Dibromo-3-Chloropropane

Concen: 1.524 ug/l

RT: 14.717 min Scan# 2170

Delta R.T. -0.000 min

Lab File: VN085122.D

Acq: 06 Dec 2024 12:01

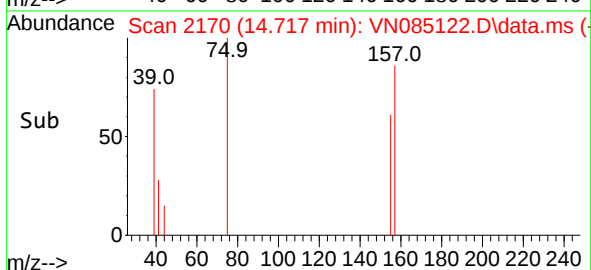
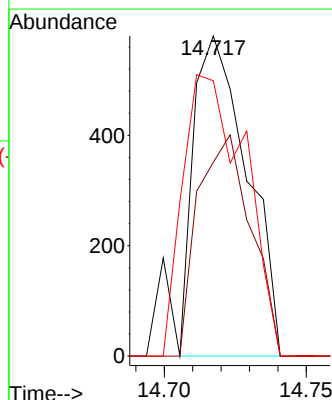
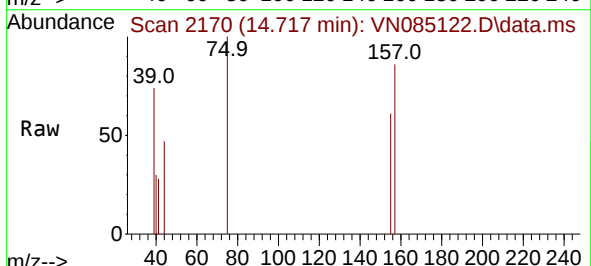
Tgt Ion: 75 Resp: 762

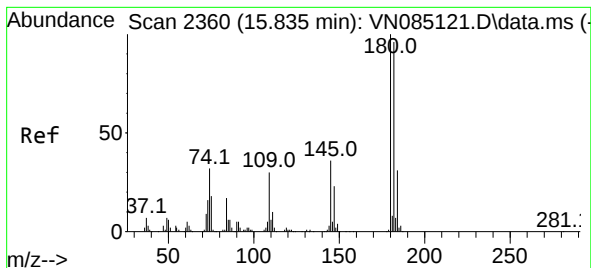
Ion Ratio Lower Upper

75 100

155 68.4 62.1 93.1

157 102.5 79.3 118.9





#89

1,2,4-Trichlorobenzene

Concen: 3.246 ug/l

RT: 15.394 min Scan# 21

Delta R.T. -0.441 min

Lab File: VN085122.D

Acq: 06 Dec 2024 12:01

Instrument :

MSVOA_N

ClientSampleId :

IBLK

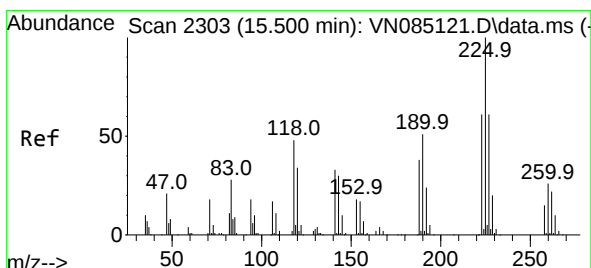
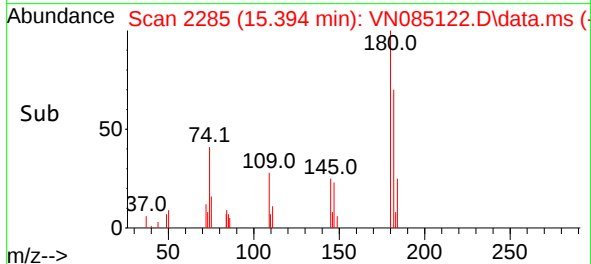
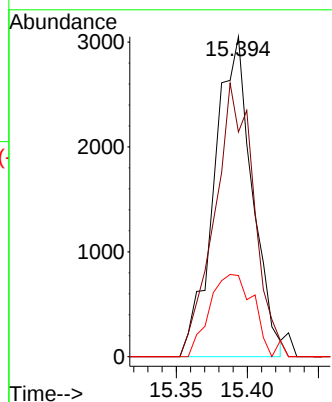
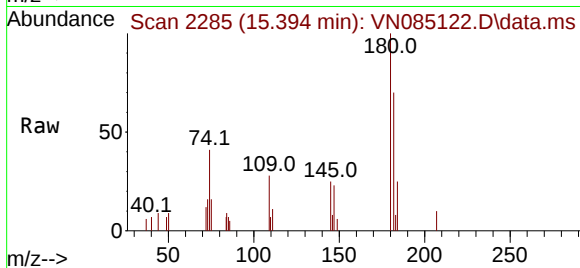
Tgt Ion:180 Resp: 5671

Ion Ratio Lower Upper

180 100

182 88.6 74.0 111.0

145 29.3 28.6 43.0



#90

Hexachlorobutadiene

Concen: 4.984 ug/l

RT: 15.500 min Scan# 2303

Delta R.T. -0.000 min

Lab File: VN085122.D

Acq: 06 Dec 2024 12:01

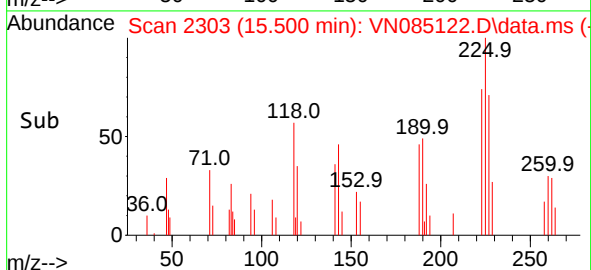
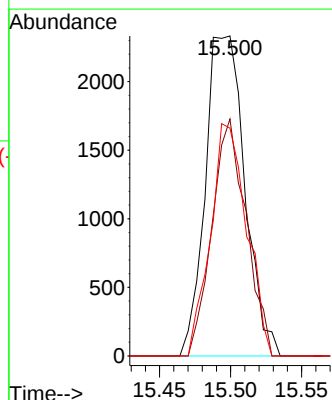
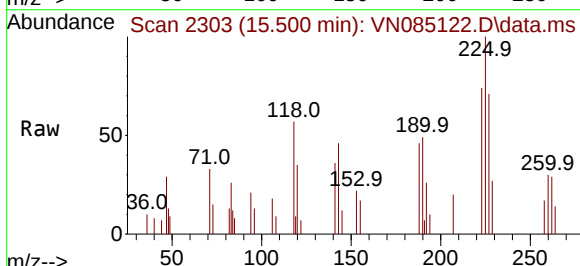
Tgt Ion:225 Resp: 4525

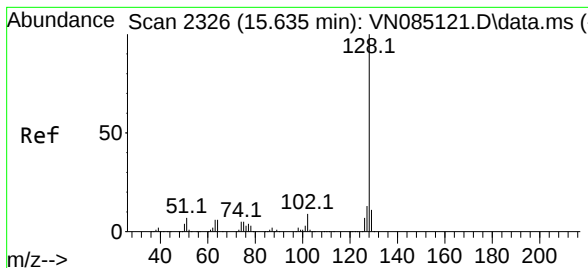
Ion Ratio Lower Upper

225 100

223 64.0 0.0 121.8

227 66.3 0.0 126.8





#91

Naphthalene

Concen: 3.586 ug/l

RT: 15.635 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN085122.D

Acq: 06 Dec 2024 12:01

Instrument :

MSVOA_N

ClientSampleId :

IBLK

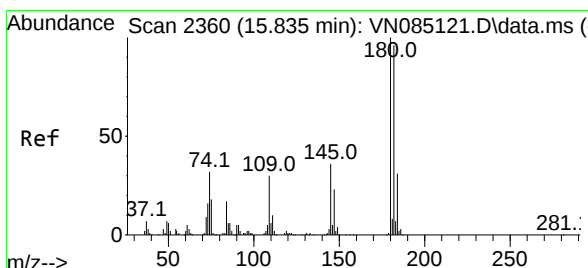
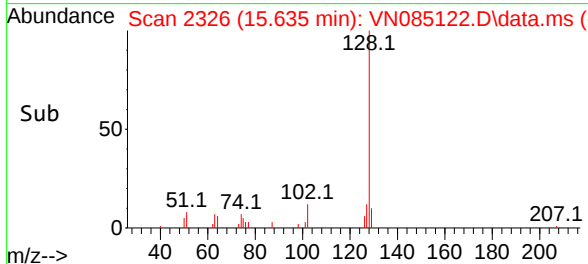
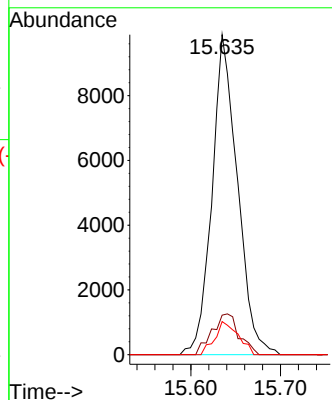
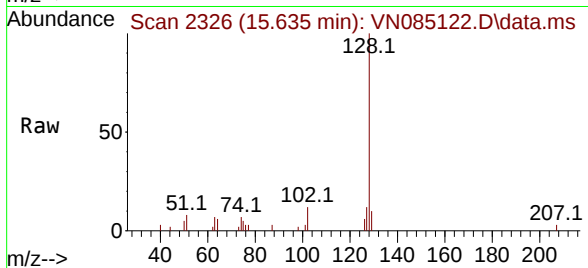
Tgt Ion:128 Resp: 19465

Ion Ratio Lower Upper

128 100

127 13.6 11.0 16.4

129 9.4 8.7 13.1



#92

1,2,3-Trichlorobenzene

Concen: 4.389 ug/l

RT: 15.835 min Scan# 2360

Delta R.T. -0.000 min

Lab File: VN085122.D

Acq: 06 Dec 2024 12:01

Tgt Ion:180 Resp: 7668

Ion Ratio Lower Upper

180 100

182 89.6 0.0 185.0

145 25.8 0.0 71.6

