

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
 Data File : VN084968.D
 Acq On : 20 Nov 2024 14:57
 Operator : JC\MD
 Sample : P4770-01 1000X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 21 00:38:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	163240	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	302606	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	260578	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	126197	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	120053	50.919	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	101.840%
35) Dibromofluoromethane	8.165	113	97935	47.813	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.620%
50) Toluene-d8	10.565	98	341514	45.262	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	90.520%
62) 4-Bromofluorobenzene	12.847	95	139540	49.484	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	98.960%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.118	85	438	0.233	ug/l #	39
3) Chloromethane	2.359	50	868	Below Cal		98
5) Bromomethane	2.901	94	451	0.422	ug/l	90
6) Chloroethane	3.124	64	403	Below Cal	#	45
11) Tert butyl alcohol	5.495	59	958	3.078	ug/l #	73
13) Acrolein	4.189	56	79	0.255	ug/l #	14
16) Acetone	4.424	43	1237	Below Cal	#	44
18) Methyl Acetate	5.030	43	4615	Below Cal	#	76
19) Methyl tert-butyl Ether	5.806	73	1598	0.280	ug/l #	1
25) 2-Butanone	7.483	43	393	0.357	ug/l #	48
30) Chloroform	7.953	83	1297	0.354	ug/l	91
31) Cyclohexane	8.212	56	6776	2.082	ug/l #	31
36) 1,1-Dichloropropene	8.218	75	14337	5.047	ug/l #	51
38) Carbon Tetrachloride	8.359	117	867	0.273	ug/l #	60
39) Methylcyclohexane	9.600	83	1929	0.667	ug/l #	62
40) Benzene	8.600	78	5519	0.605	ug/l #	86
42) 1,2-Dichloroethane	8.659	62	908	0.307	ug/l #	75
43) Isopropyl Acetate	8.735	43	85386	17.301	ug/l #	57
47) Bromodichloromethane	9.888	83	842	0.265	ug/l #	24
48) Methyl methacrylate	9.718	41	466	0.232	ug/l #	13
51) 4-Methyl-2-Pentanone	10.441	43	1660	0.676	ug/l #	67
52) Toluene	10.629	92	59567	11.164	ug/l	99
55) 1,1,2-Trichloroethane	11.018	97	660	0.328	ug/l #	64
59) 2-Hexanone	11.194	43	2056	1.150	ug/l #	57
65) Chlorobenzene	11.888	112	1501	0.257	ug/l #	75
67) Ethyl Benzene	11.965	91	50631	5.203	ug/l	96
68) m/p-Xylenes	12.065	106	86461	23.469	ug/l	99
69) o-Xylene	12.400	106	37841	10.980	ug/l	100
70) Styrene	12.400	104	3464	0.576	ug/l #	1
73) Isopropylbenzene	12.694	105	19447	2.199	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.929	83	787	0.267	ug/l #	96
76) 1,2,3-Trichloropropane	12.847	75	74025	29.345	ug/l #	1
78) n-propylbenzene	13.035	91	45100	4.352	ug/l	99
79) 2-Chlorotoluene	13.094	91	16769	2.476	ug/l #	43
80) 1,3,5-Trimethylbenzene	13.170	105	76404	10.424	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.847	75	74025	69.617	ug/l #	11

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

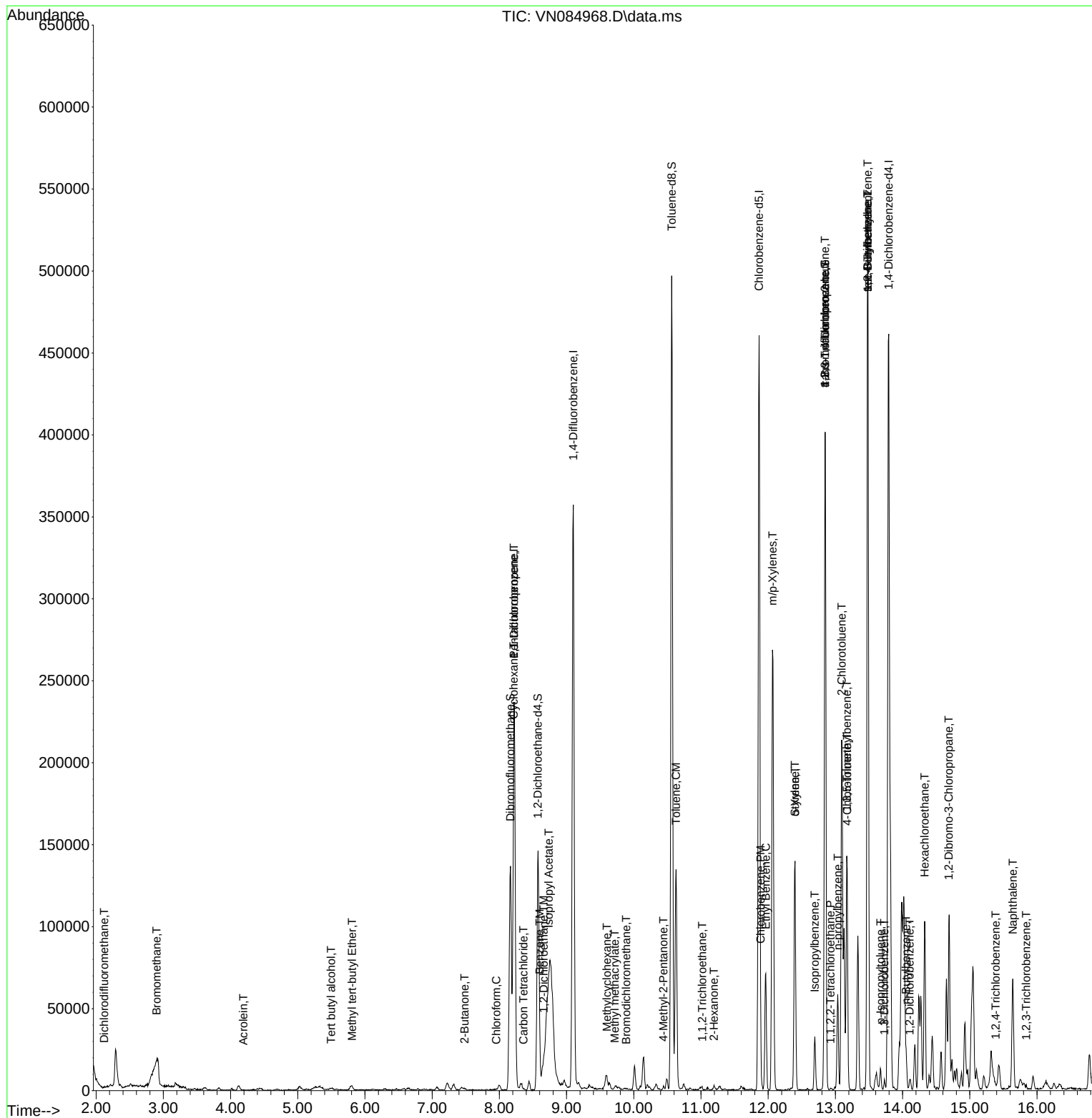
82) 4-Chlorotoluene	13.176	91	7994	1.122	ug/l #	43
83) tert-Butylbenzene	13.482	119	36679	6.046	ug/l #	63
84) 1,2,4-Trimethylbenzene	13.482	105	302688	40.012	ug/l	98
85) sec-Butylbenzene	13.482	105	302688	35.324	ug/l #	57
86) p-Isopropyltoluene	13.670	119	7228	1.029	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	1212	0.261	ug/l	88
88) 1,4-Dichlorobenzene	13.729	146	1212	Below Cal		88
89) n-Butylbenzene	14.053	91	10930	1.663	ug/l #	74
90) Hexachloroethane	14.329	117	5437	3.469	ug/l #	15
91) 1,2-Dichlorobenzene	14.106	146	1293	0.290	ug/l #	82
92) 1,2-Dibromo-3-Chloropr...	14.688	75	571	0.955	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.388	180	687	0.282	ug/l #	27
95) Naphthalene	15.641	128	60596	8.296	ug/l	98
96) 1,2,3-Trichlorobenzene	15.841	180	644	0.272	ug/l #	61

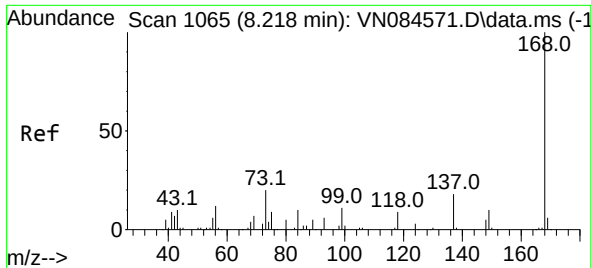
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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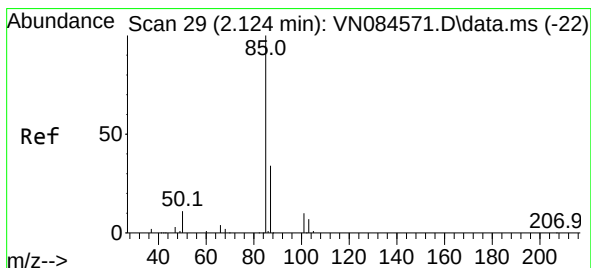
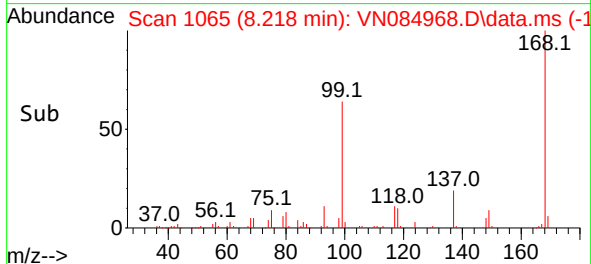
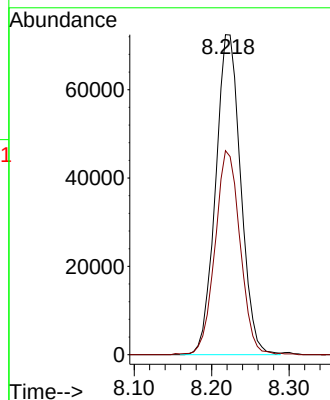
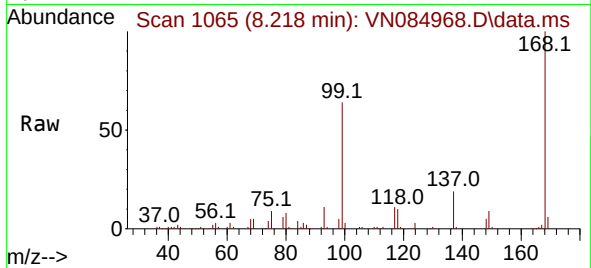




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN084968.D
Acq: 20 Nov 2024 14:57

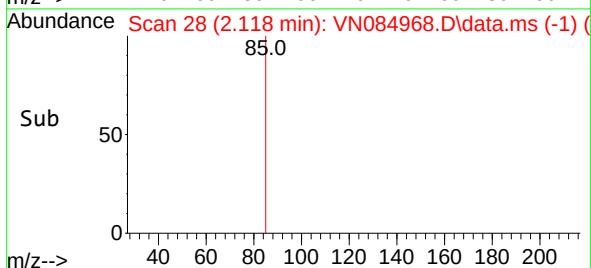
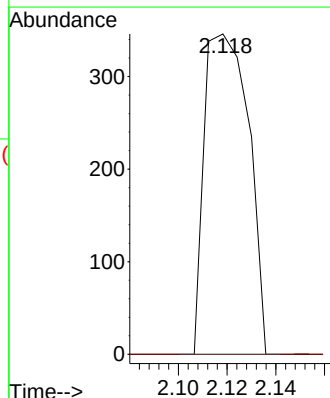
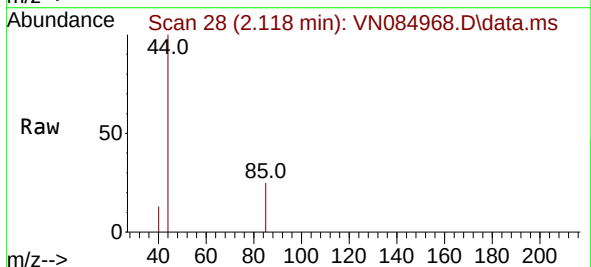
Instrument :
MSVOA_N
ClientSampleId :

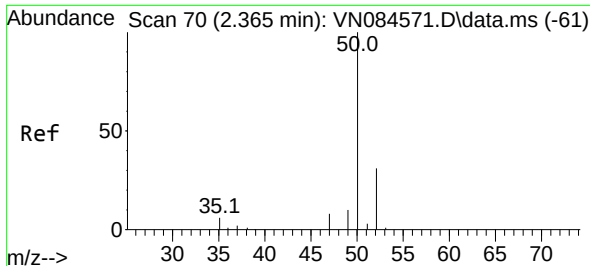
Tgt Ion:168 Resp: 163240
Ion Ratio Lower Upper
168 100
99 63.5 54.2 81.2



#2
Dichlorodifluoromethane
Concen: 0.233 ug/l
RT: 2.118 min Scan# 28
Delta R.T. -0.006 min
Lab File: VN084968.D
Acq: 20 Nov 2024 14:57

Tgt Ion: 85 Resp: 438
Ion Ratio Lower Upper
85 100
87 0.0 17.6 52.9

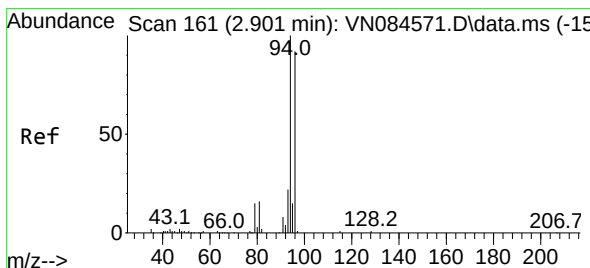
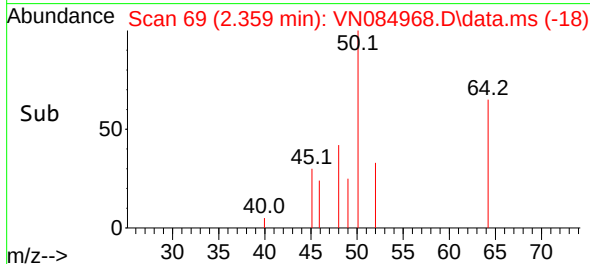
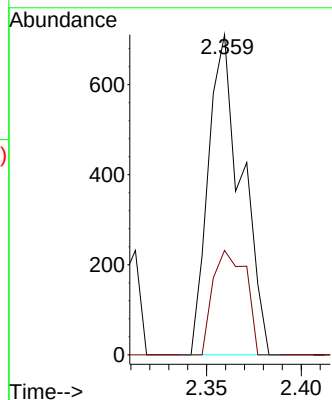
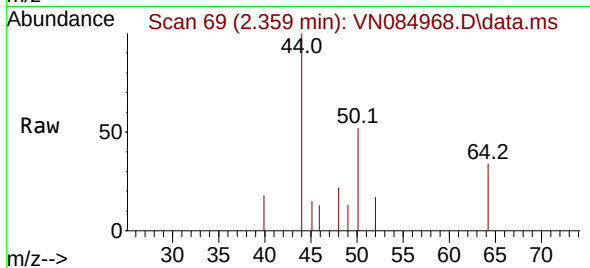




#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN084968.D
Acq: 20 Nov 2024 14:57

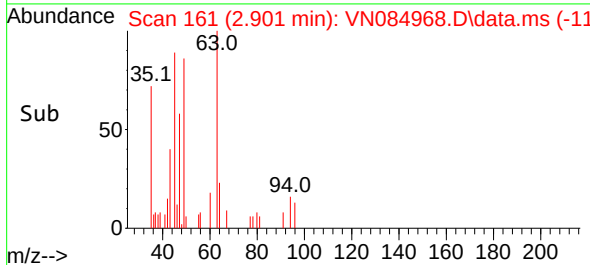
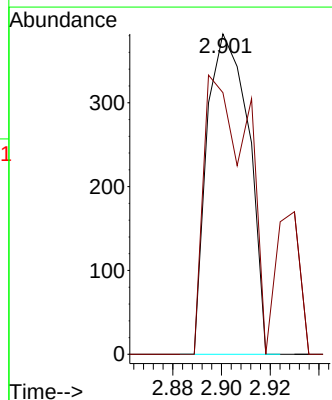
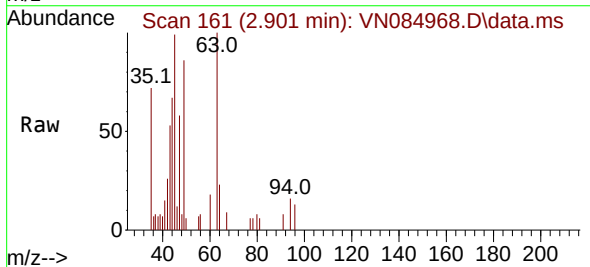
Instrument :
MSVOA_N
ClientSampleId :

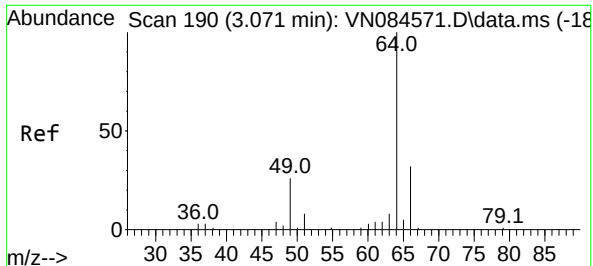
Tgt Ion: 50 Resp: 868
Ion Ratio Lower Upper
50 100
52 32.6 26.8 40.2



#5
Bromomethane
Concen: 0.422 ug/l
RT: 2.901 min Scan# 161
Delta R.T. -0.052 min
Lab File: VN084968.D
Acq: 20 Nov 2024 14:57

Tgt Ion: 94 Resp: 451
Ion Ratio Lower Upper
94 100
96 81.7 72.9 109.3

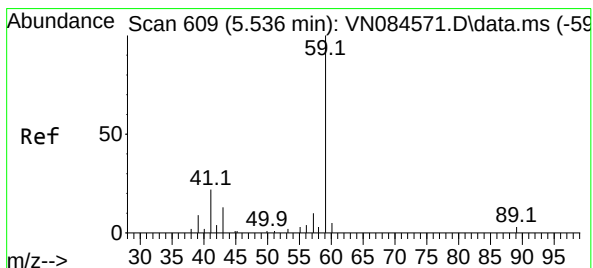
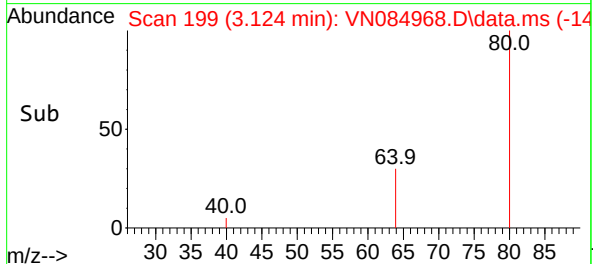
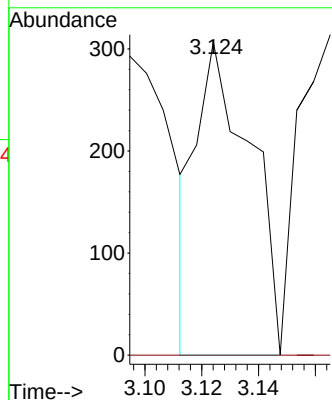
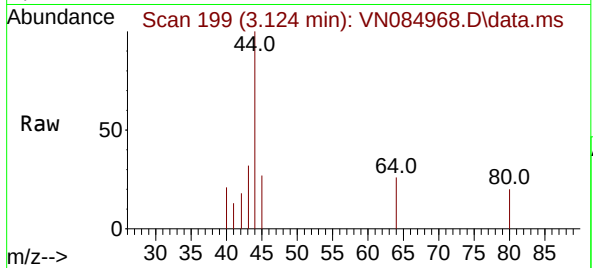




#6
Chloroethane
Concen: Below Cal
RT: 3.124 min Scan# 19
Delta R.T. 0.006 min
Lab File: VN084968.D
Acq: 20 Nov 2024 14:57

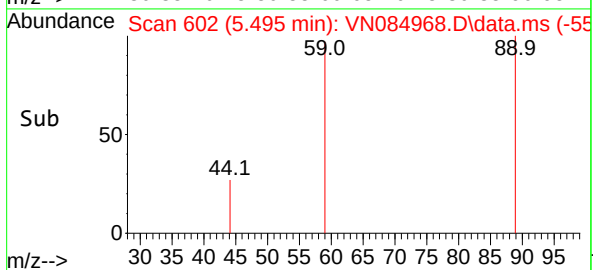
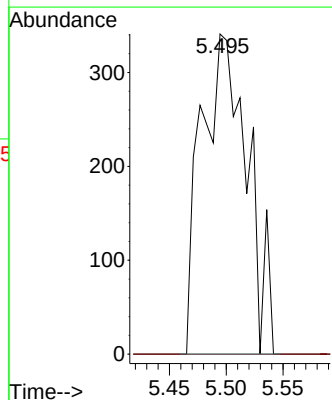
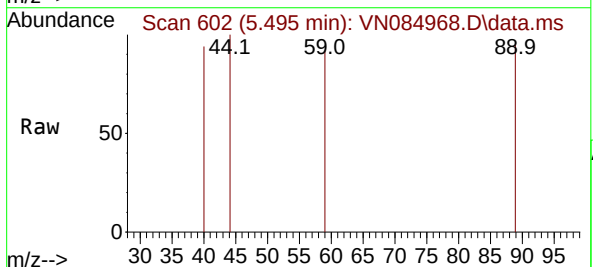
Instrument :
MSVOA_N
ClientSampleId :

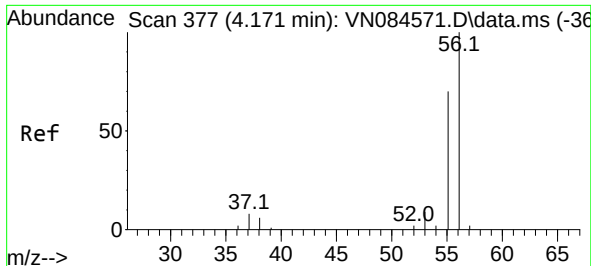
Tgt Ion: 64 Resp: 403
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 3.078 ug/l
RT: 5.495 min Scan# 602
Delta R.T. -0.029 min
Lab File: VN084968.D
Acq: 20 Nov 2024 14:57

Tgt Ion: 59 Resp: 958
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

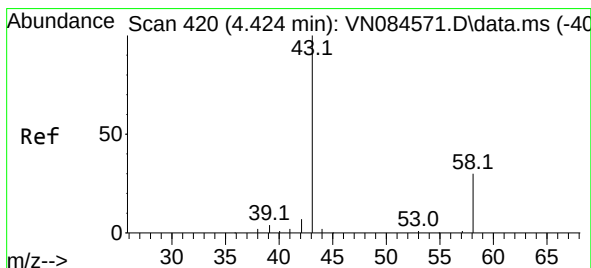
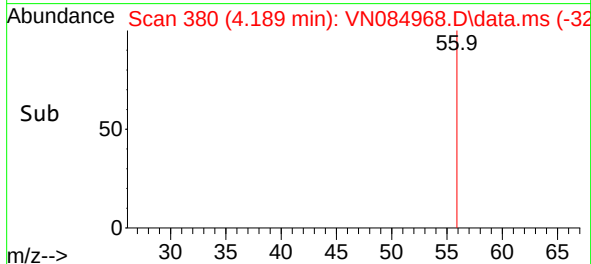
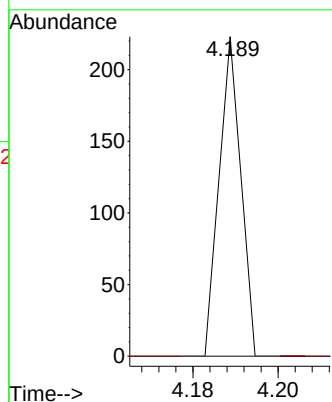
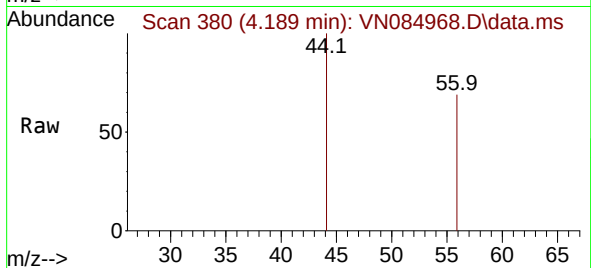




#13
Acrolein
Concen: 0.255 ug/l
RT: 4.189 min Scan# 377
Delta R.T. 0.012 min
Lab File: VN084968.D
Acq: 20 Nov 2024 14:57

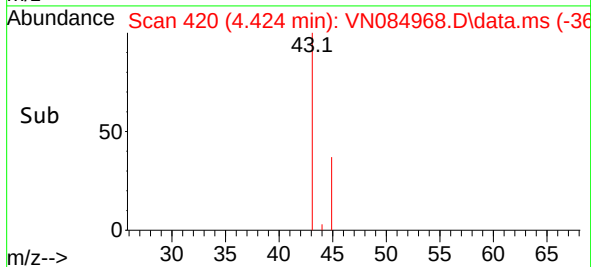
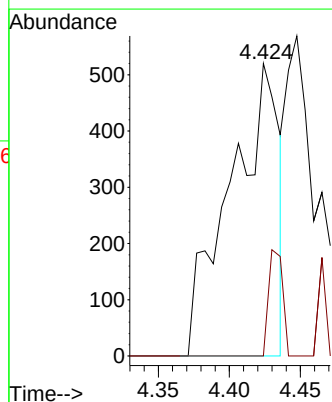
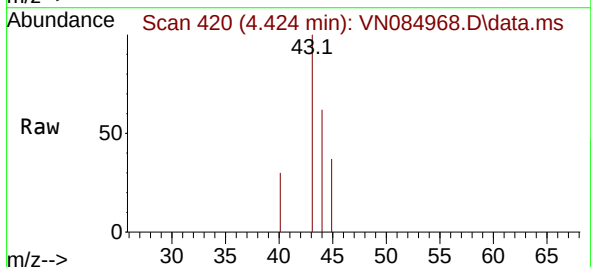
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MSVOA_N
ClientSampleId :

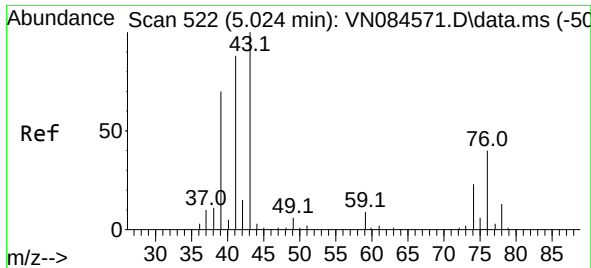
Tgt Ion: 56 Resp: 79
Ion Ratio Lower Upper
56 100
55 0.0 57.2 85.8#



#16
Acetone
Concen: Below Cal
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN084968.D
Acq: 20 Nov 2024 14:57

Tgt Ion: 43 Resp: 1237
Ion Ratio Lower Upper
43 100
58 0.0 24.4 36.6#

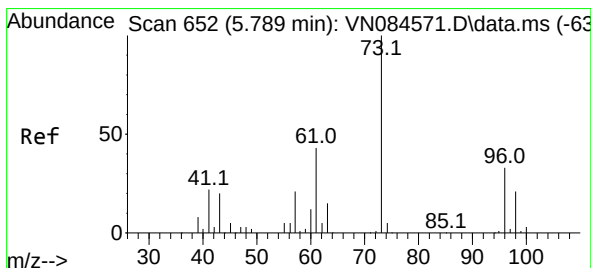
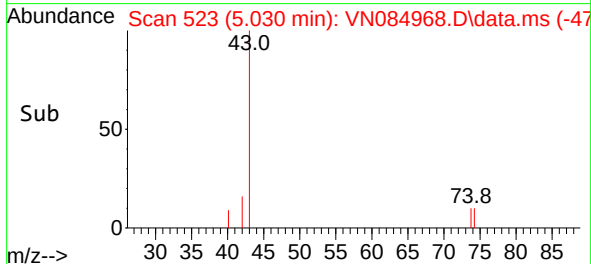
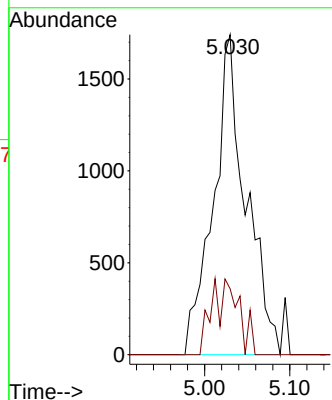
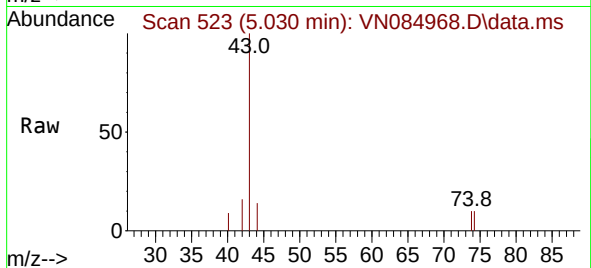




#18
Methyl Acetate
Concen: Below Cal
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN084968.D
Acq: 20 Nov 2024 14:57

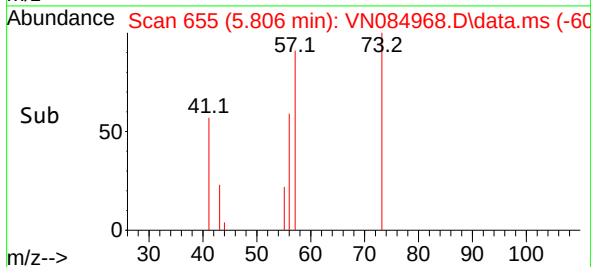
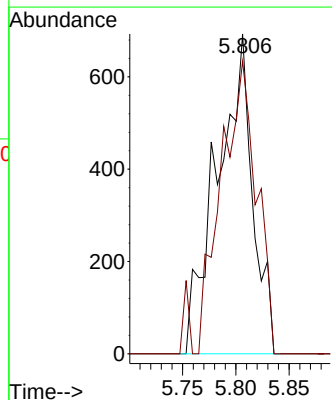
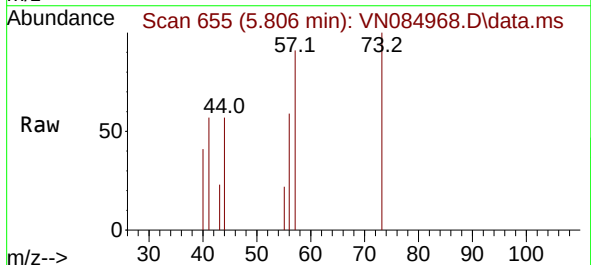
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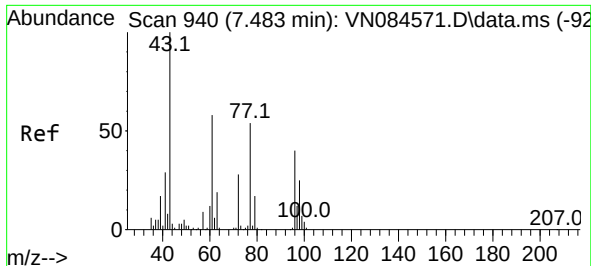
Tgt Ion: 43 Resp: 4615
Ion Ratio Lower Upper
43 100
74 12.2 19.2 28.8#



#19
Methyl tert-butyl Ether
Concen: 0.280 ug/l
RT: 5.806 min Scan# 655
Delta R.T. 0.012 min
Lab File: VN084968.D
Acq: 20 Nov 2024 14:57

Tgt Ion: 73 Resp: 1598
Ion Ratio Lower Upper
73 100
57 91.5 17.7 26.5#

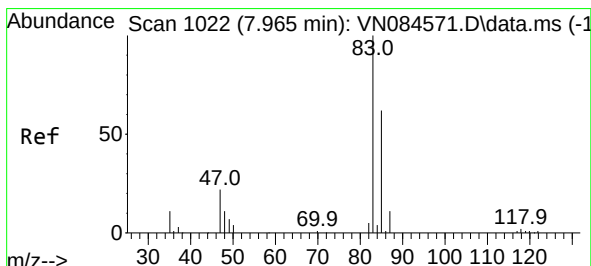
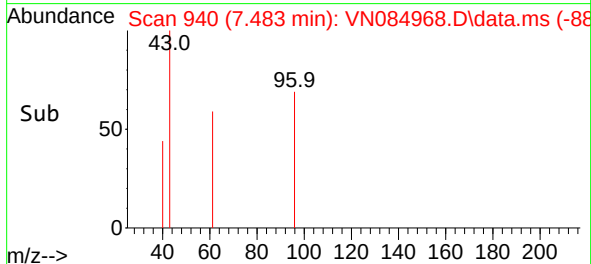
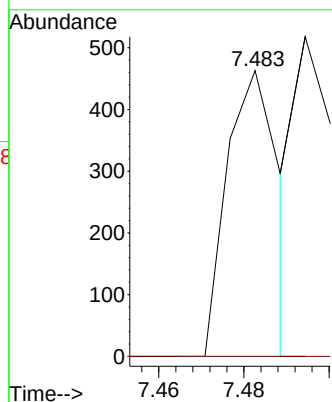
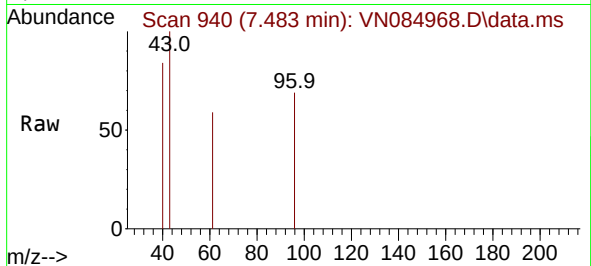




#25
2-Butanone
Concen: 0.357 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084968.D
Acq: 20 Nov 2024 14:57

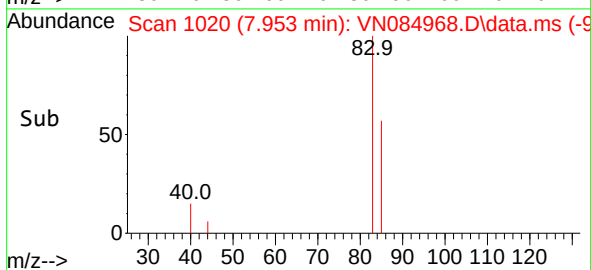
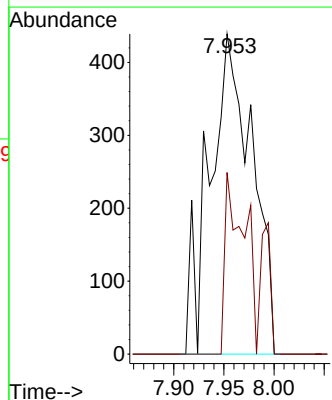
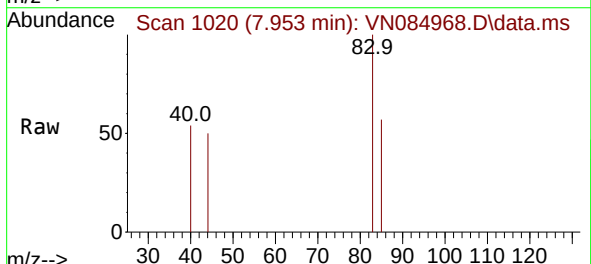
Instrument :
MSVOA_N
ClientSampleId :

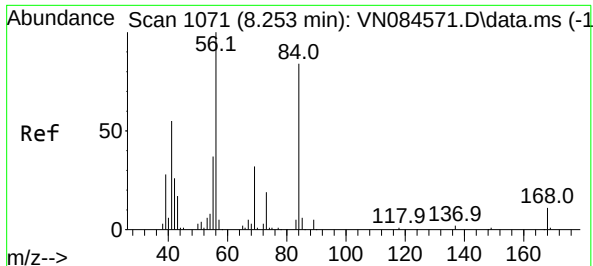
Tgt Ion: 43 Resp: 393
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.2#



#30
Chloroform
Concen: 0.354 ug/l
RT: 7.953 min Scan# 1020
Delta R.T. -0.012 min
Lab File: VN084968.D
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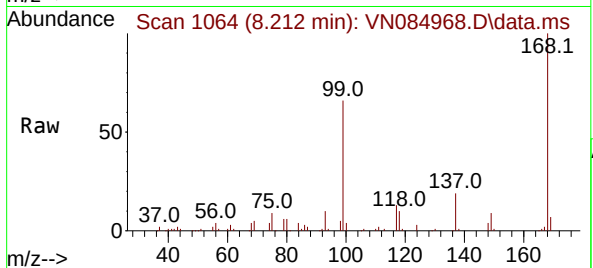
Tgt Ion: 83 Resp: 1297
Ion Ratio Lower Upper
83 100
85 56.7 51.0 76.4



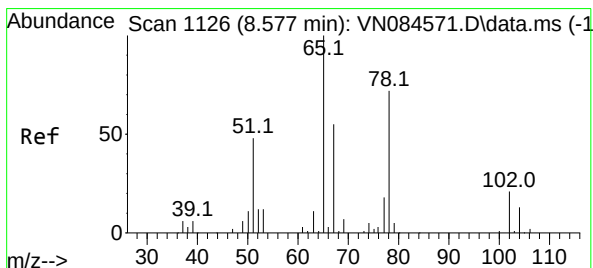
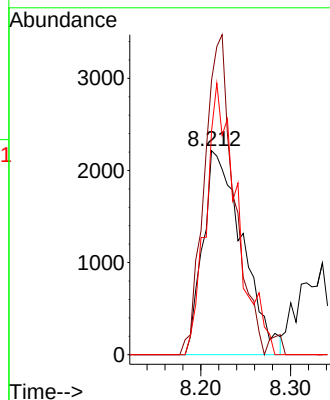
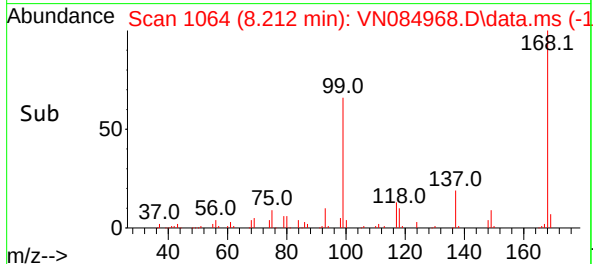


#31
Cyclohexane
Concen: 2.082 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.041 min
Lab File: VN084968.D
Acq: 20 Nov 2024 14:57

Instrument :
MSVOA_N
ClientSampleId :

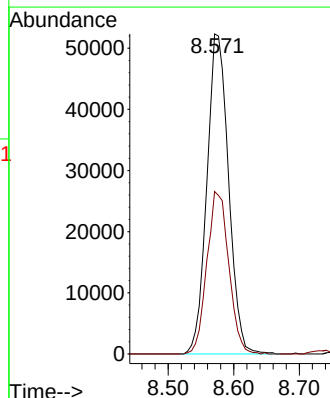
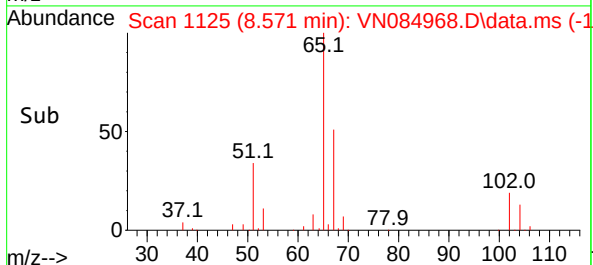
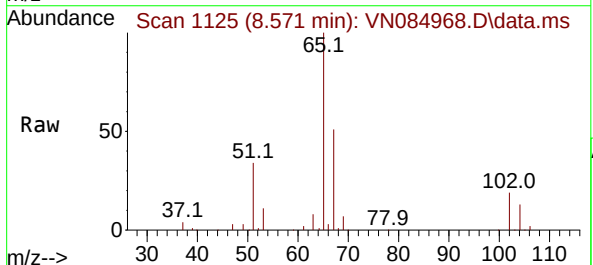


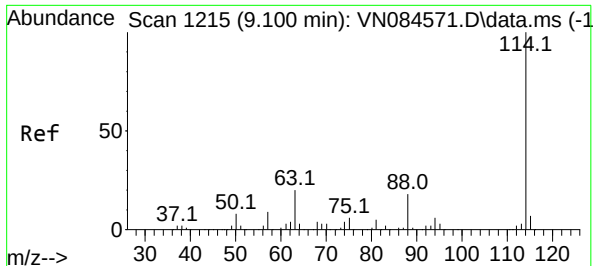
Tgt Ion: 56 Resp: 6776
Ion Ratio Lower Upper
56 100
69 134.6 23.8 35.6#
84 109.7 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 50.919 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.006 min
Lab File: VN084968.D
Acq: 20 Nov 2024 14:57

Tgt Ion: 65 Resp: 120053
Ion Ratio Lower Upper
65 100
67 51.3 0.0 102.0

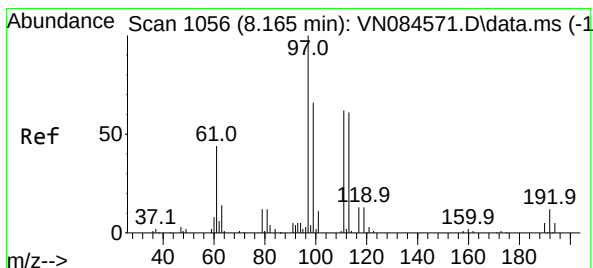
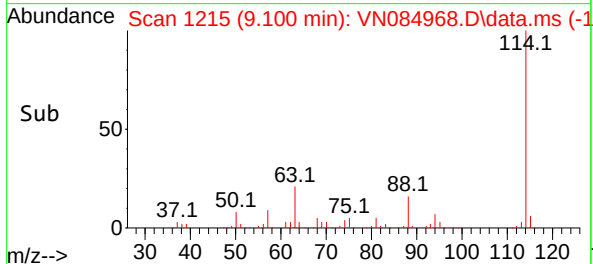
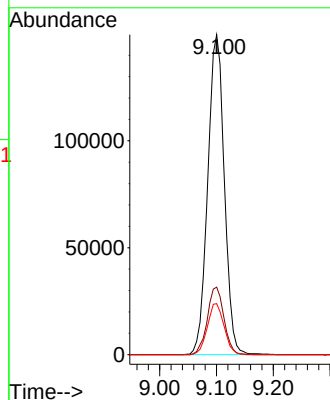
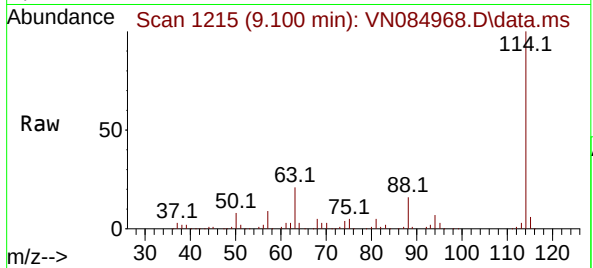




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084968.D
Acq: 20 Nov 2024 14:57

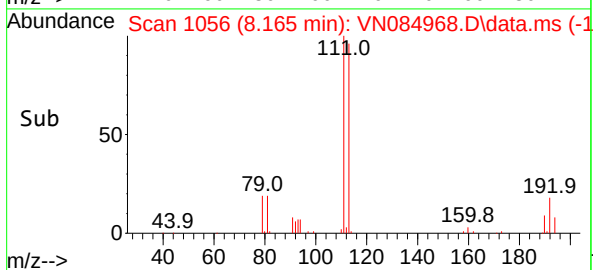
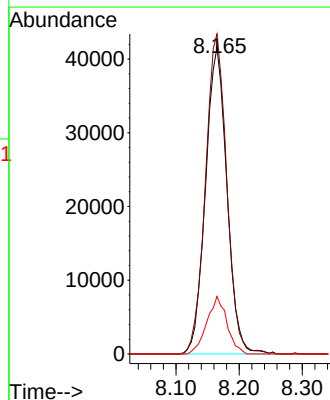
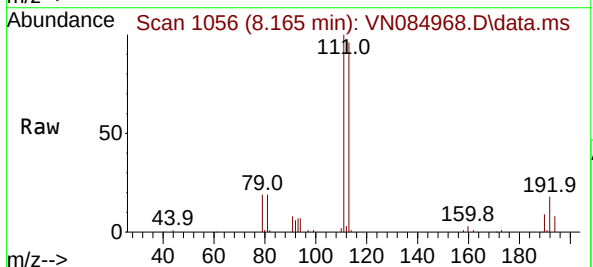
Instrument :
MSVOA_N
ClientSampleId :

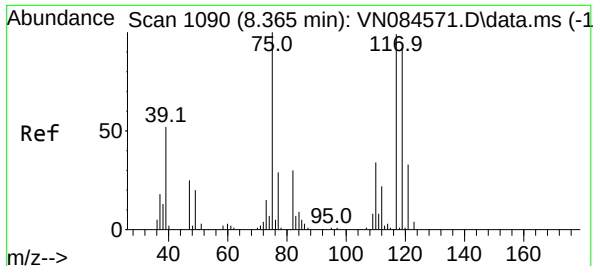
Tgt Ion:114 Resp: 302606
Ion Ratio Lower Upper
114 100
63 21.1 0.0 43.8
88 16.0 0.0 31.6



#35
Dibromofluoromethane
Concen: 47.813 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084968.D
Acq: 20 Nov 2024 14:57

Tgt Ion:113 Resp: 97935
Ion Ratio Lower Upper
113 100
111 103.9 83.3 124.9
192 17.6 13.5 20.3





#36

1,1-Dichloropropene

Concen: 5.047 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

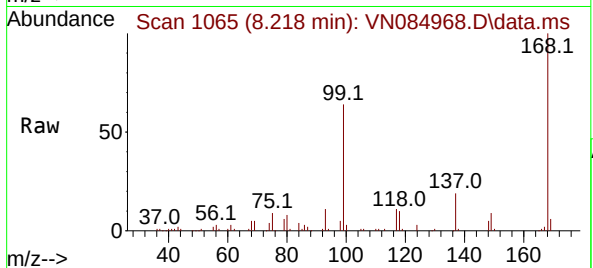
Lab File: VN084968.D

Acq: 20 Nov 2024 14:57

Instrument :

MSVOA_N

ClientSampleId :



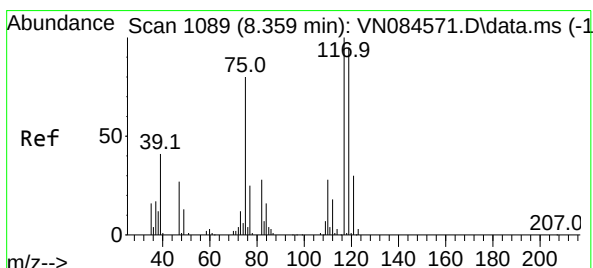
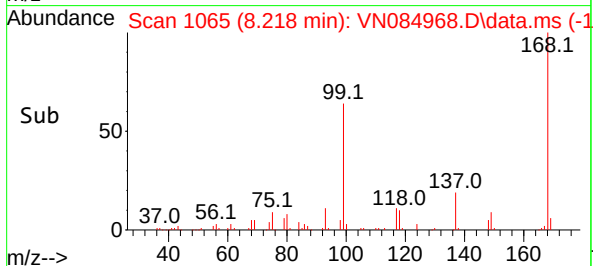
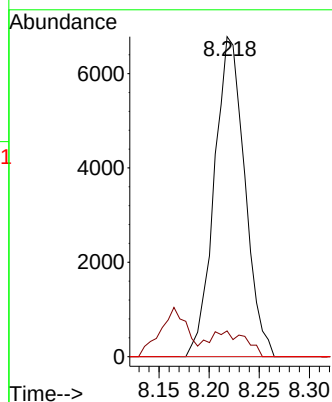
Tgt Ion: 75 Resp: 14337

Ion Ratio Lower Upper

75 100

110 9.7 16.9 50.7#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 0.273 ug/l

RT: 8.359 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VN084968.D

Acq: 20 Nov 2024 14:57

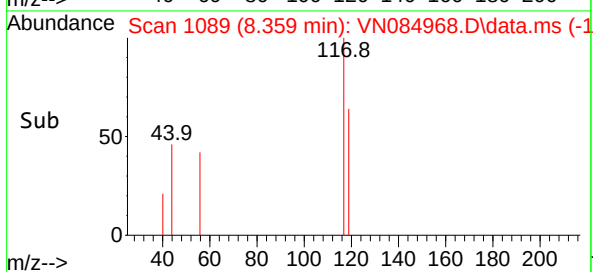
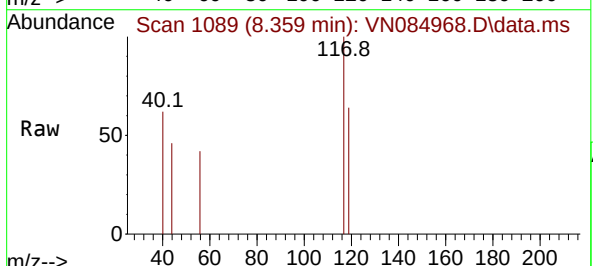
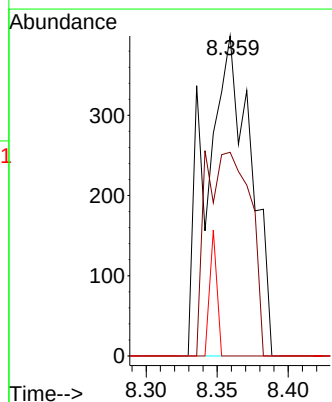
Tgt Ion: 117 Resp: 867

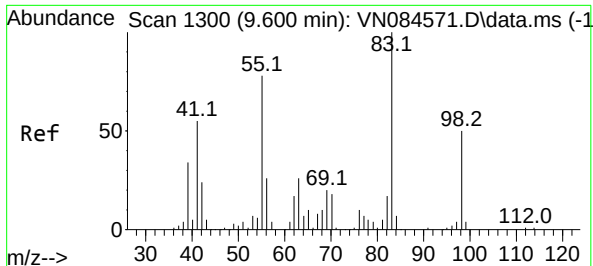
Ion Ratio Lower Upper

117 100

119 63.7 78.7 118.1#

121 0.0 24.4 36.6#





#39

Methylcyclohexane

Concen: 0.667 ug/l

RT: 9.600 min Scan# 11300

Delta R.T. 0.000 min

Lab File: VN084968.D

Acq: 20 Nov 2024 14:57

Instrument :

MSVOA_N

ClientSampleId :

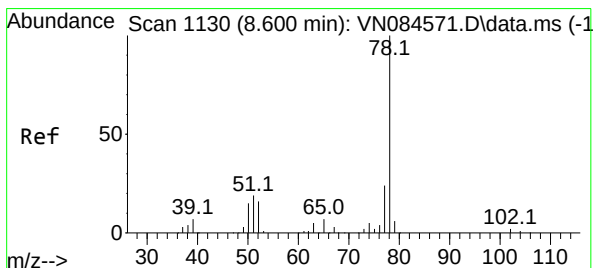
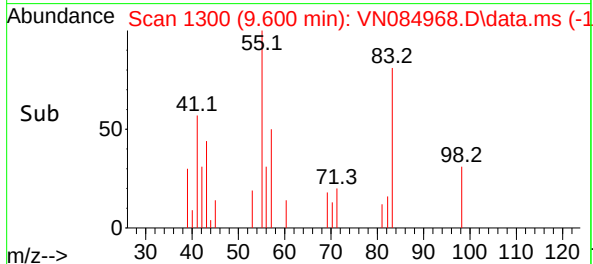
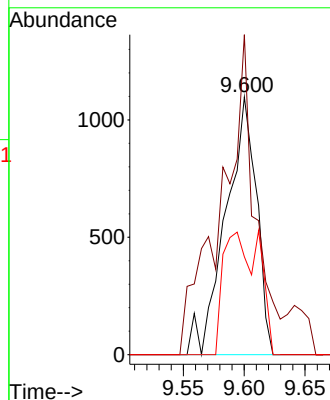
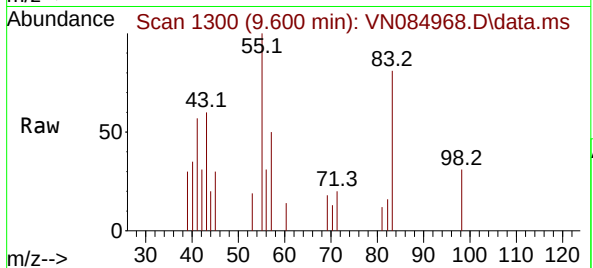
Tgt Ion: 83 Resp: 1929

Ion Ratio Lower Upper

83 100

55 124.1 62.8 94.2#

98 38.0 38.8 58.2#



#40

Benzene

Concen: 0.605 ug/l

RT: 8.600 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VN084968.D

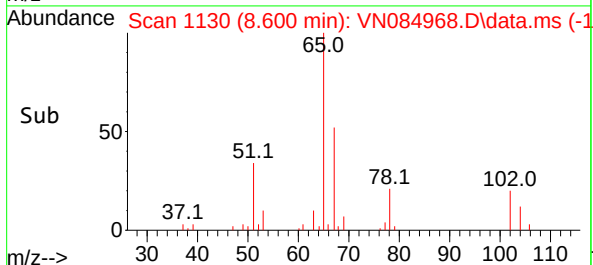
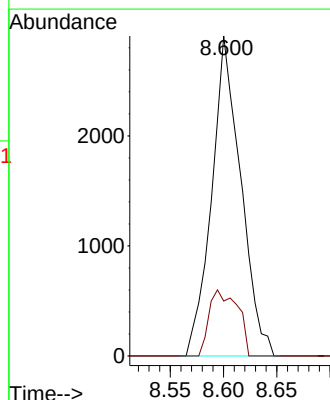
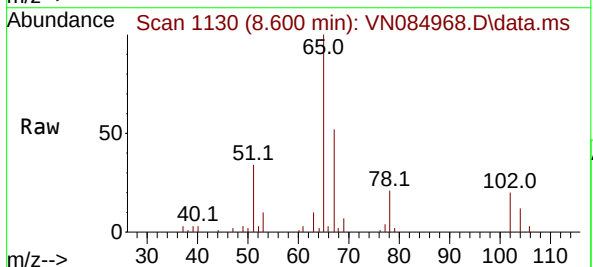
Acq: 20 Nov 2024 14:57

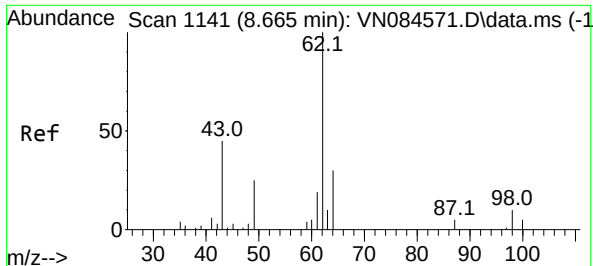
Tgt Ion: 78 Resp: 5519

Ion Ratio Lower Upper

78 100

77 17.2 19.1 28.7#





#42

1,2-Dichloroethane

Concen: 0.307 ug/l

RT: 8.659 min Scan# 1140

Delta R.T. -0.012 min

Lab File: VN084968.D

Acq: 20 Nov 2024 14:57

Instrument :

MSVOA_N

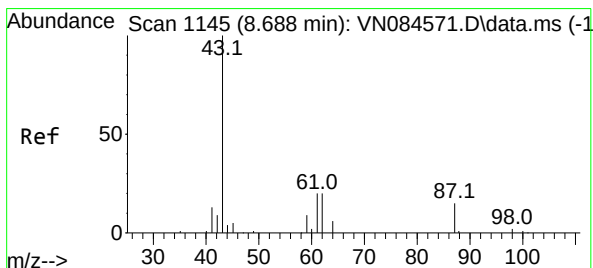
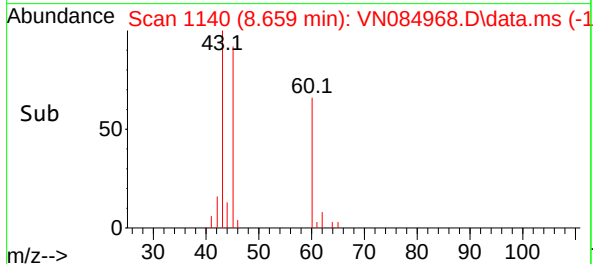
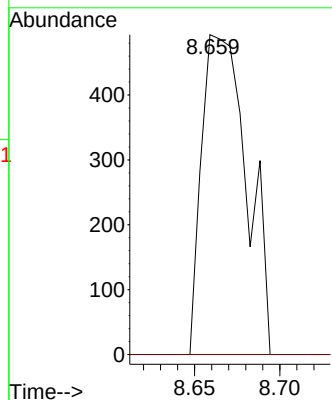
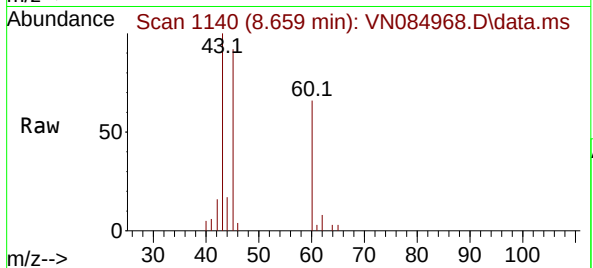
ClientSampleId :

Tgt Ion: 62 Resp: 908

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2



#43

Isopropyl Acetate

Concen: 17.301 ug/l

RT: 8.735 min Scan# 1153

Delta R.T. 0.047 min

Lab File: VN084968.D

Acq: 20 Nov 2024 14:57

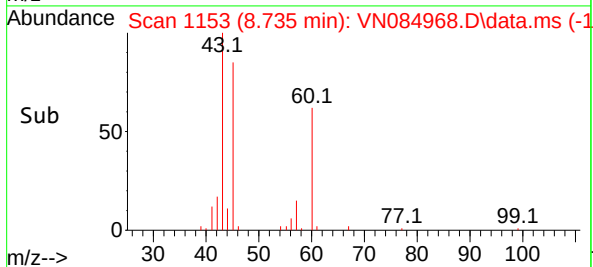
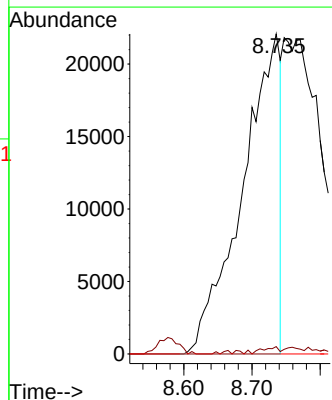
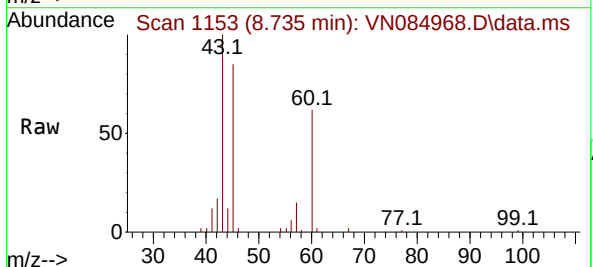
Tgt Ion: 43 Resp: 85386

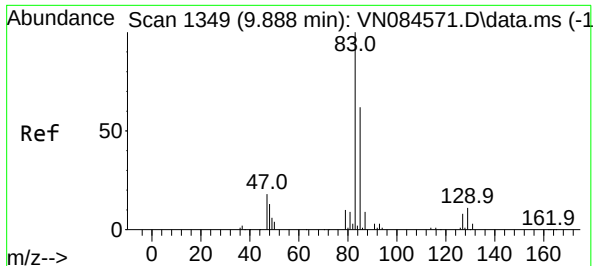
Ion Ratio Lower Upper

43 100

61 1.0 20.4 30.6#

87 0.0 10.3 15.5#

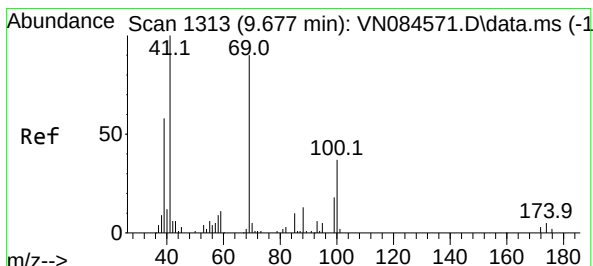
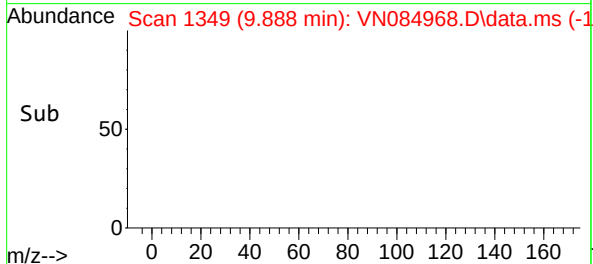
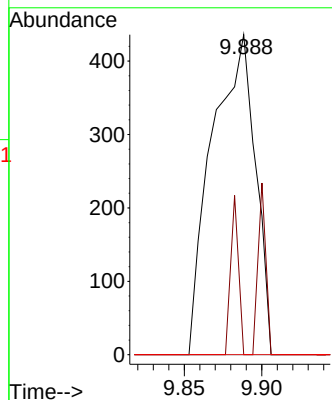
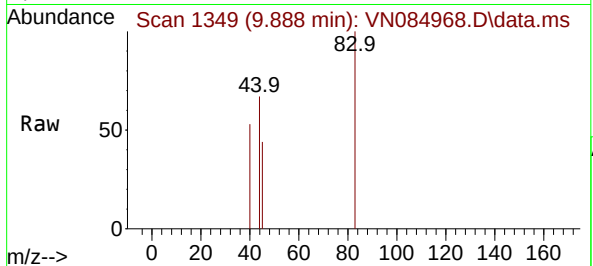




#47
Bromodichloromethane
Concen: 0.265 ug/l
RT: 9.888 min Scan# 1349
Delta R.T. 0.000 min
Lab File: VN084968.D
Acq: 20 Nov 2024 14:57

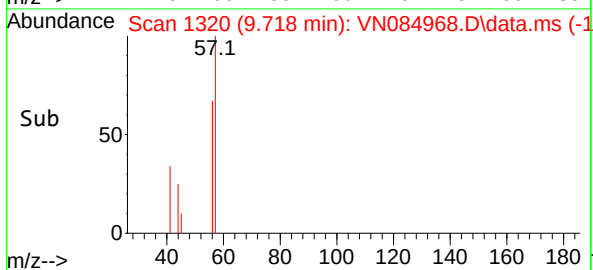
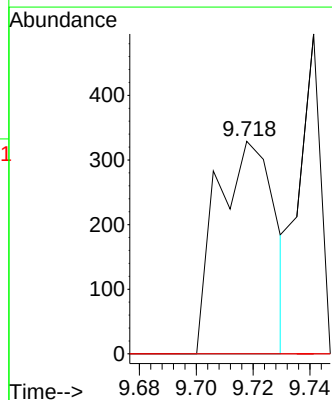
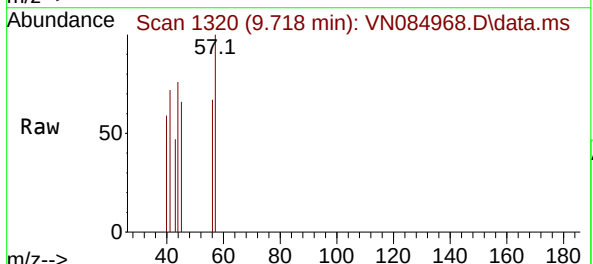
Instrument :
MSVOA_N
ClientSampleId :

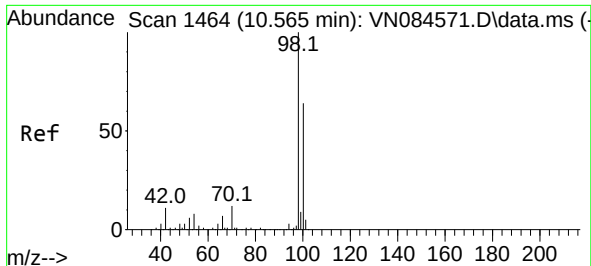
Tgt Ion: 83 Resp: 842
Ion Ratio Lower Upper
83 100
85 0.0 51.5 77.3#
127 0.0 5.7 8.5#



#48
Methyl methacrylate
Concen: 0.232 ug/l
RT: 9.718 min Scan# 1320
Delta R.T. 0.041 min
Lab File: VN084968.D
Acq: 20 Nov 2024 14:57

Tgt Ion: 41 Resp: 466
Ion Ratio Lower Upper
41 100
69 0.0 67.1 100.7#
39 0.0 45.8 68.6#

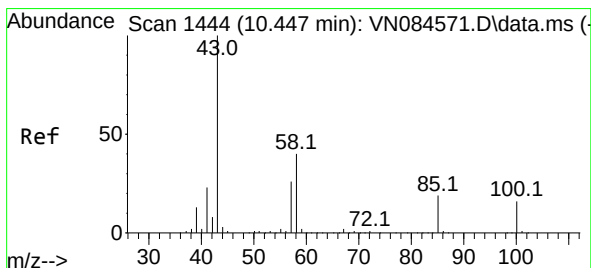
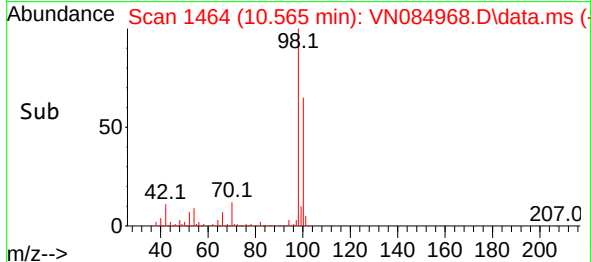
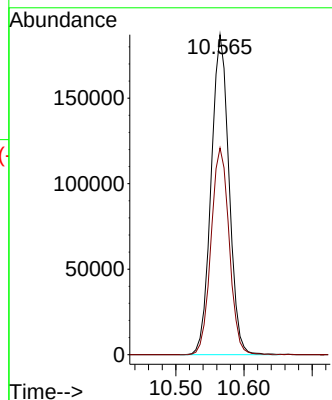
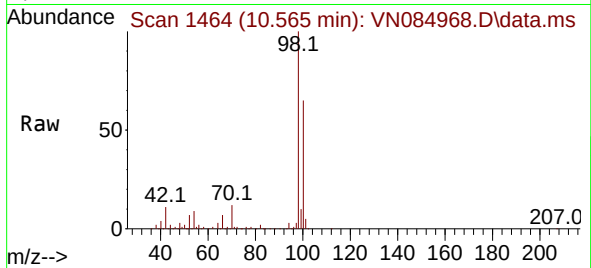




#50
Toluene-d8
Concen: 45.262 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084968.D
Acq: 20 Nov 2024 14:57

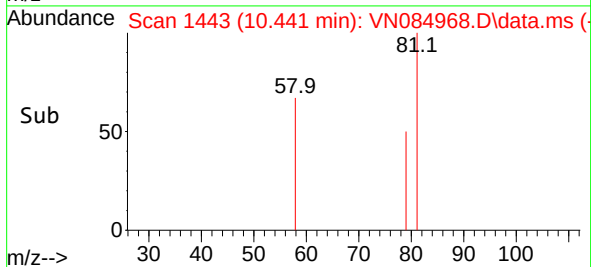
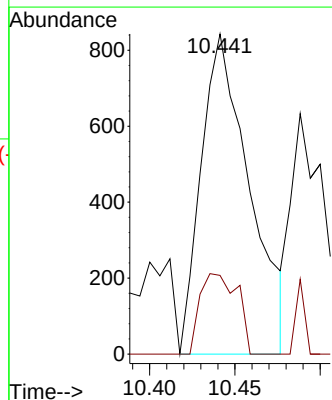
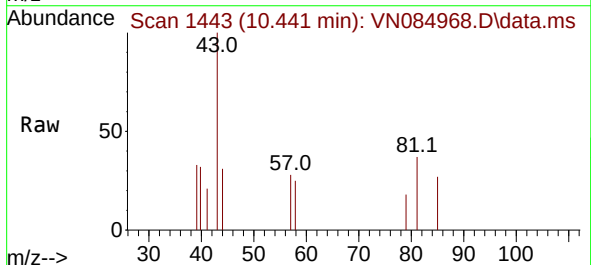
Instrument :
MSVOA_N
ClientSampleId :

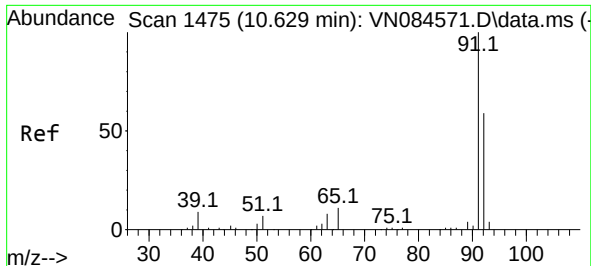
Tgt Ion: 98 Resp: 341514
Ion Ratio Lower Upper
98 100
100 65.5 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 0.676 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN084968.D
Acq: 20 Nov 2024 14:57

Tgt Ion: 43 Resp: 1660
Ion Ratio Lower Upper
43 100
58 19.5 31.6 47.4#

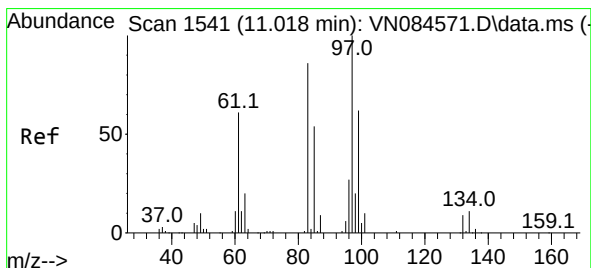
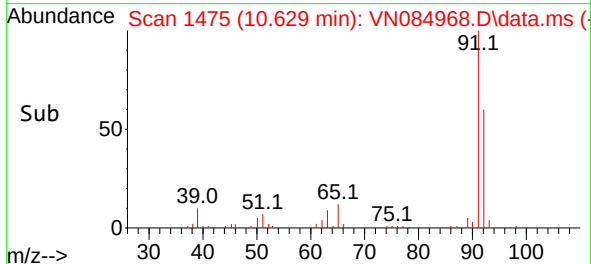
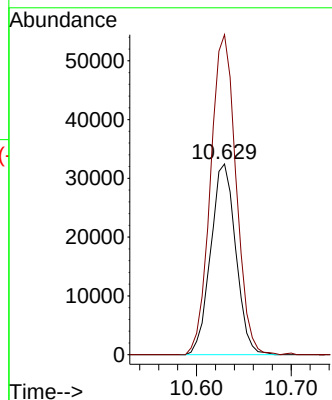
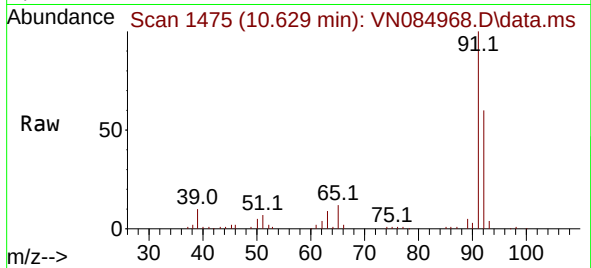




#52
Toluene
Concen: 11.164 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084968.D
Acq: 20 Nov 2024 14:57

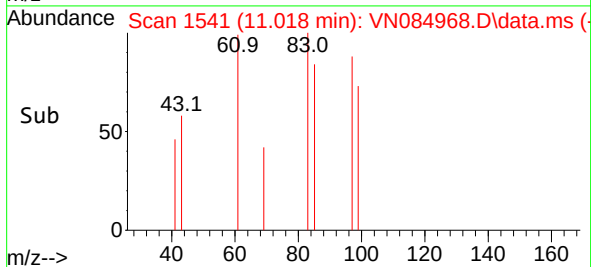
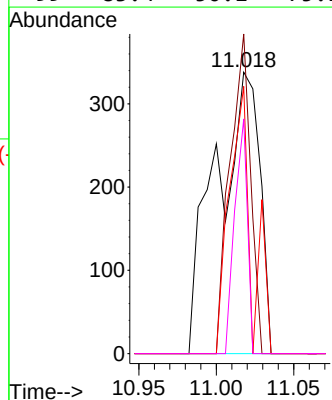
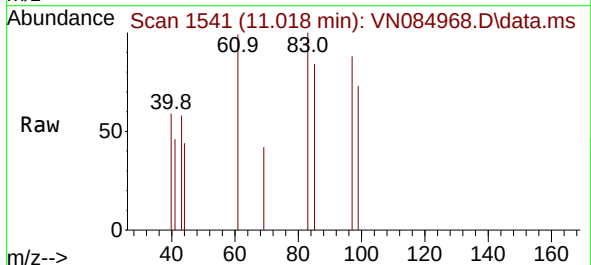
Instrument :
MSVOA_N
ClientSampleId :

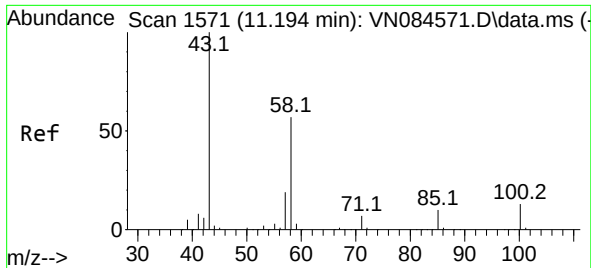
Tgt Ion: 92 Resp: 59567
Ion Ratio Lower Upper
92 100
91 170.9 137.3 205.9



#55
1,1,2-Trichloroethane
Concen: 0.328 ug/l
RT: 11.018 min Scan# 1541
Delta R.T. 0.006 min
Lab File: VN084968.D
Acq: 20 Nov 2024 14:57

Tgt Ion: 97 Resp: 660
Ion Ratio Lower Upper
97 100
83 113.6 71.0 106.4#
85 95.0 41.7 62.5#
99 83.4 50.1 75.1#

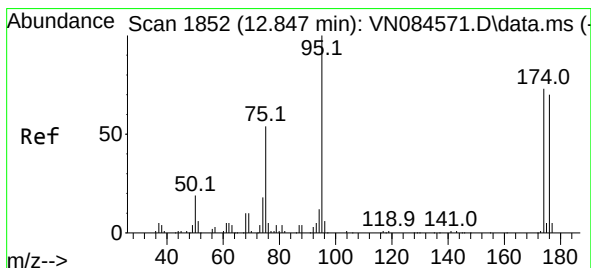
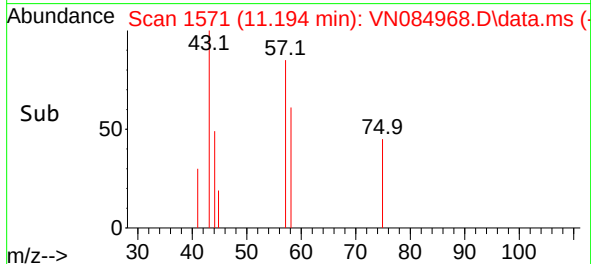
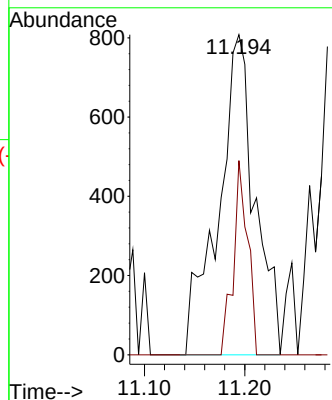
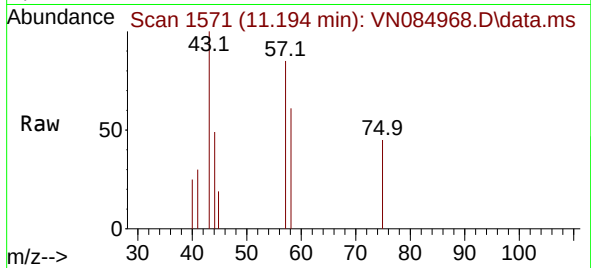




#59
2-Hexanone
Concen: 1.150 ug/l
RT: 11.194 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084968.D
Acq: 20 Nov 2024 14:57

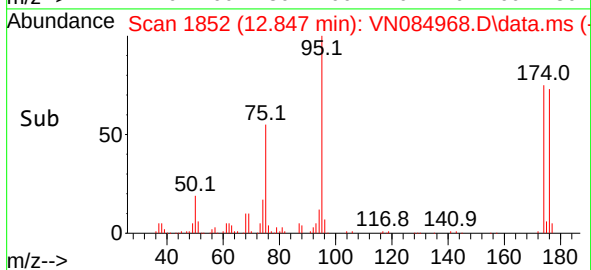
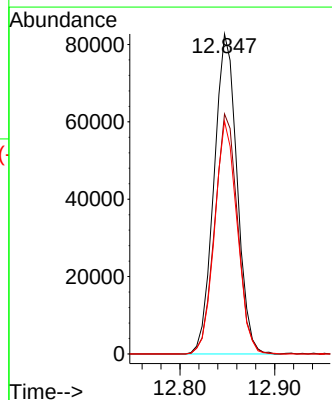
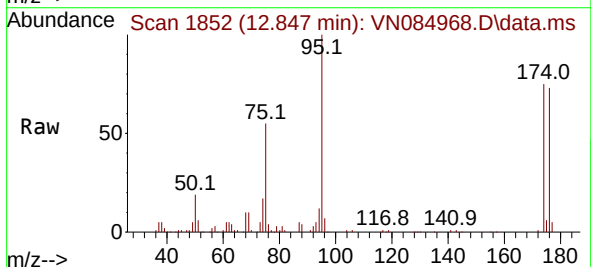
Instrument :
MSVOA_N
ClientSampleId :

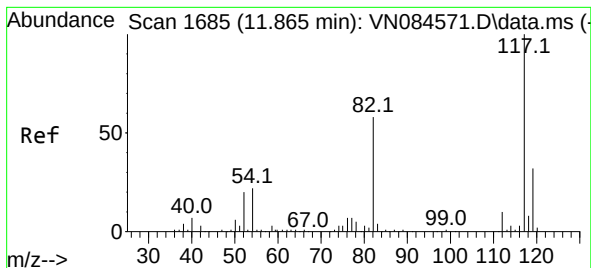
Tgt Ion: 43 Resp: 2056
Ion Ratio Lower Upper
43 100
58 23.7 27.3 81.8#



#62
4-Bromofluorobenzene
Concen: 49.484 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084968.D
Acq: 20 Nov 2024 14:57

Tgt Ion: 95 Resp: 139540
Ion Ratio Lower Upper
95 100
174 74.5 0.0 145.2
176 71.2 0.0 140.0

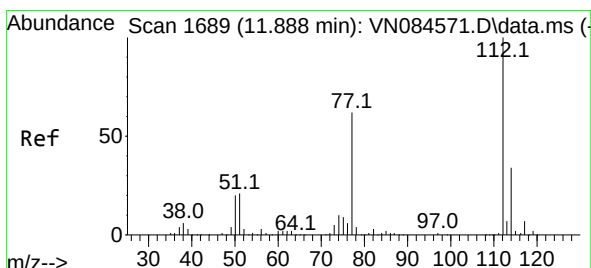
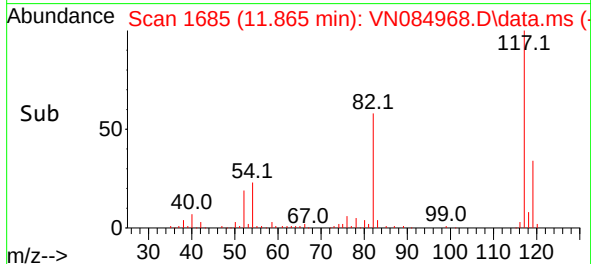
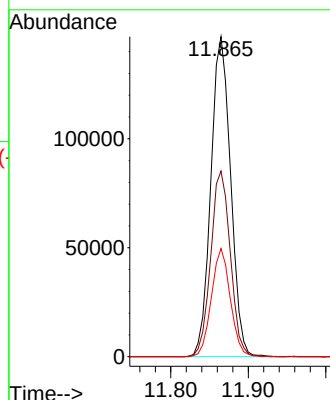
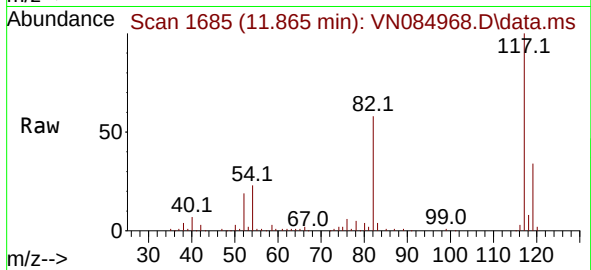




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN084968.D
Acq: 20 Nov 2024 14:57

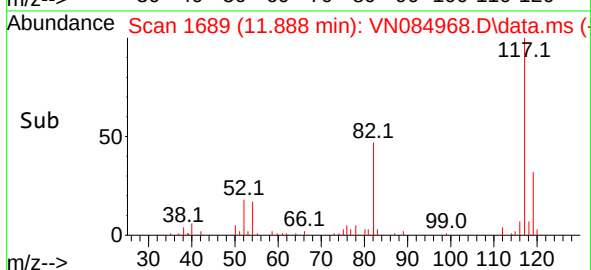
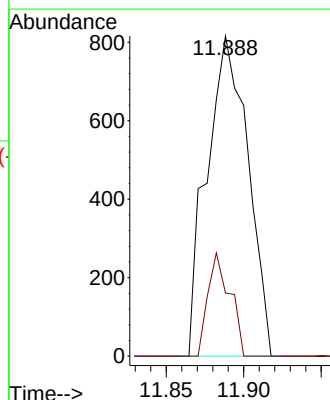
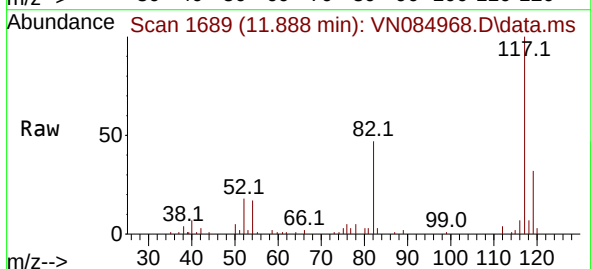
Instrument :
MSVOA_N
ClientSampleId :

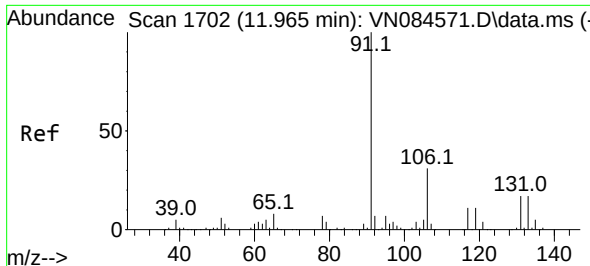
Tgt Ion:117 Resp: 260578
Ion Ratio Lower Upper
117 100
82 58.0 47.2 70.8
119 33.8 25.4 38.0



#65
Chlorobenzene
Concen: 0.257 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VN084968.D
Acq: 20 Nov 2024 14:57

Tgt Ion:112 Resp: 1501
Ion Ratio Lower Upper
112 100
114 19.7 27.0 40.6#

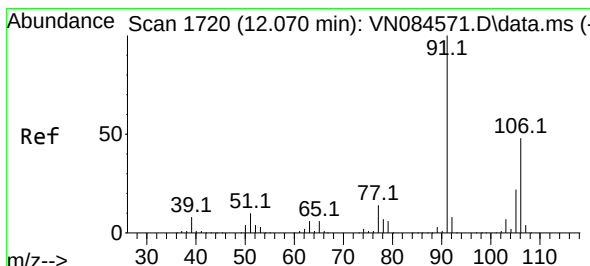
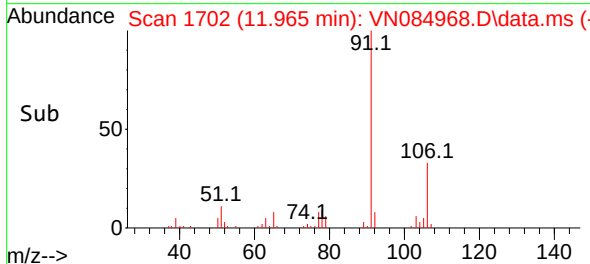
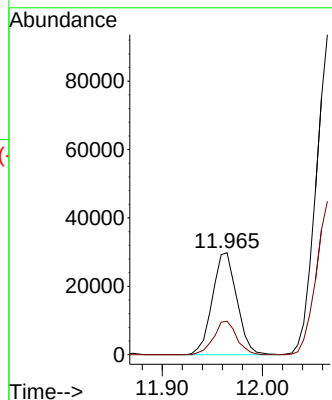
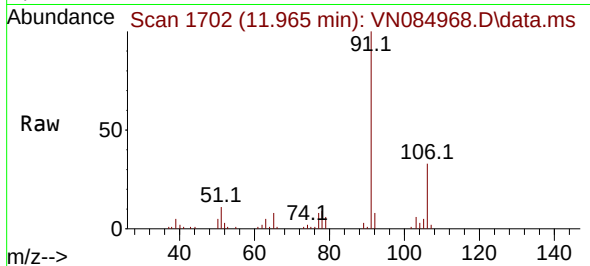




#67
Ethyl Benzene
Concen: 5.203 ug/l
RT: 11.965 min Scan# 1719
Delta R.T. 0.006 min
Lab File: VN084968.D
Acq: 20 Nov 2024 14:57

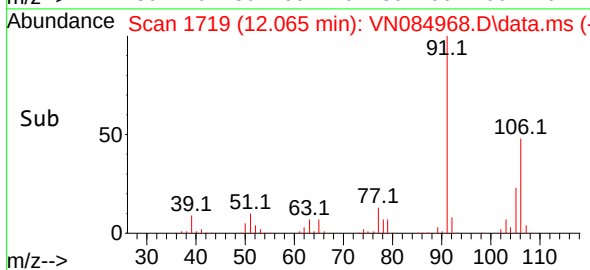
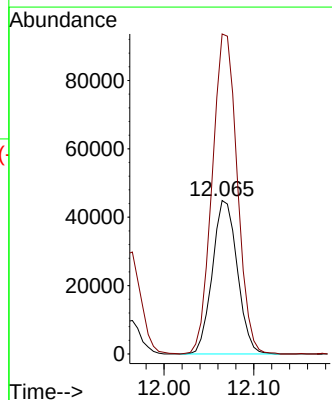
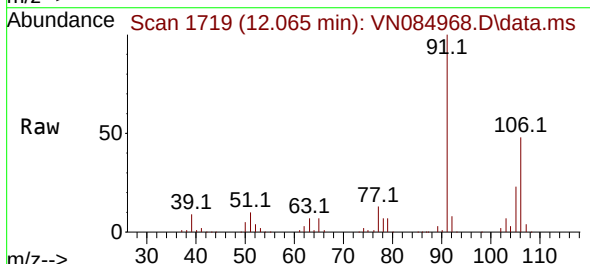
Instrument :
MSVOA_N
ClientSampleId :

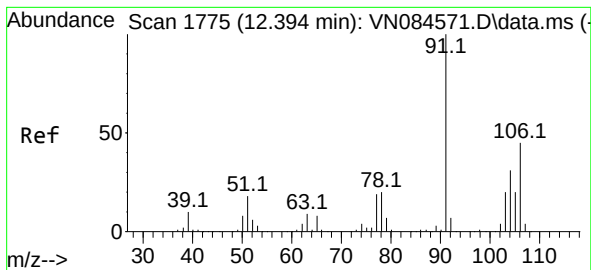
Tgt Ion: 91 Resp: 50631
Ion Ratio Lower Upper
91 100
106 32.8 24.5 36.7



#68
m/p-Xylenes
Concen: 23.469 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN084968.D
Acq: 20 Nov 2024 14:57

Tgt Ion:106 Resp: 86461
Ion Ratio Lower Upper
106 100
91 210.0 167.1 250.7





#69

o-Xylene

Concen: 10.980 ug/l

RT: 12.400 min Scan# 1776

Delta R.T. 0.006 min

Lab File: VN084968.D

Acq: 20 Nov 2024 14:57

Instrument :

MSVOA_N

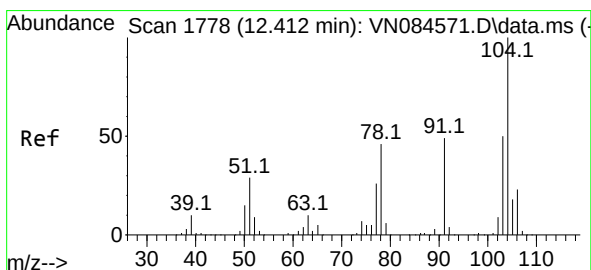
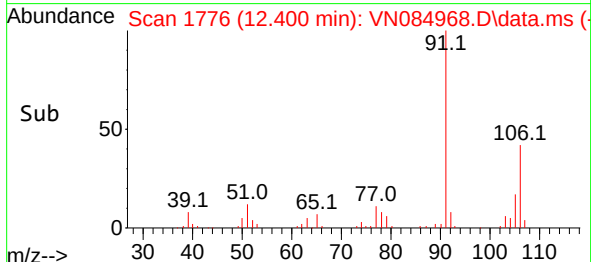
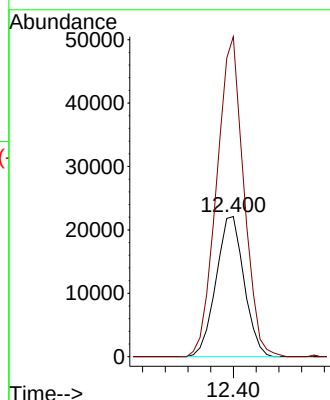
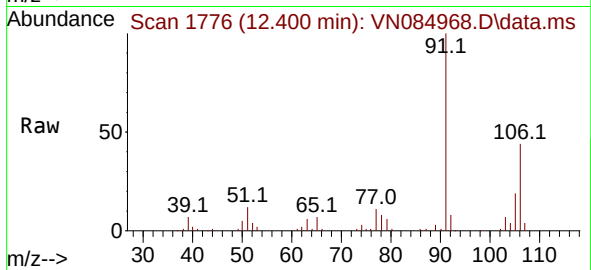
ClientSampleId :

Tgt Ion:106 Resp: 37841

Ion Ratio Lower Upper

106 100

91 221.1 110.2 330.6



#70

Styrene

Concen: 0.576 ug/l

RT: 12.400 min Scan# 1776

Delta R.T. -0.012 min

Lab File: VN084968.D

Acq: 20 Nov 2024 14:57

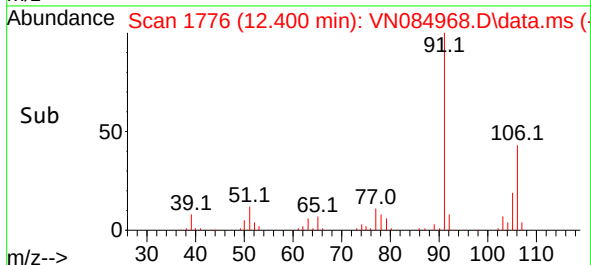
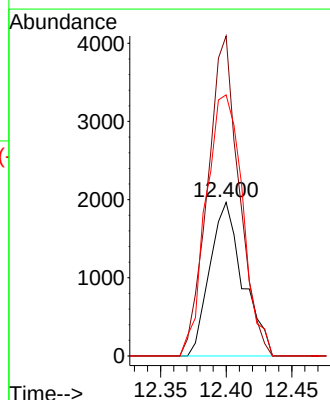
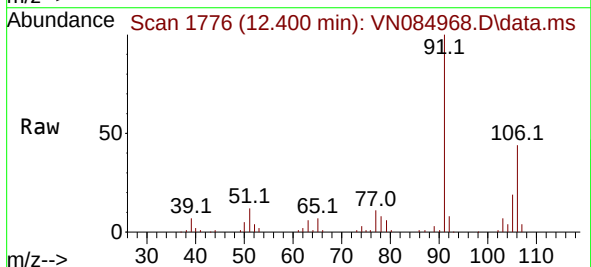
Tgt Ion:104 Resp: 3464

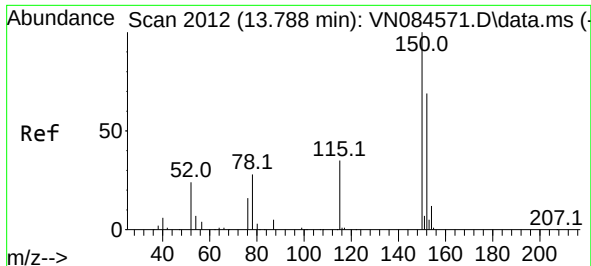
Ion Ratio Lower Upper

104 100

78 196.6 42.7 64.1#

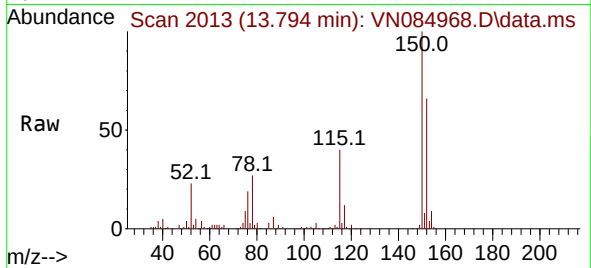
103 187.5 43.6 65.4#



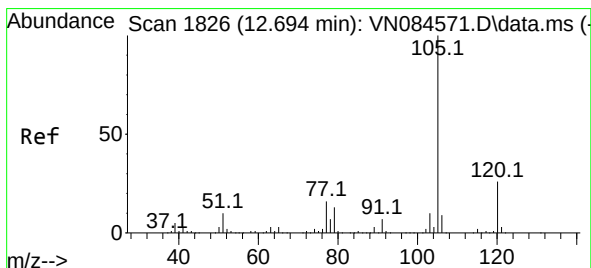
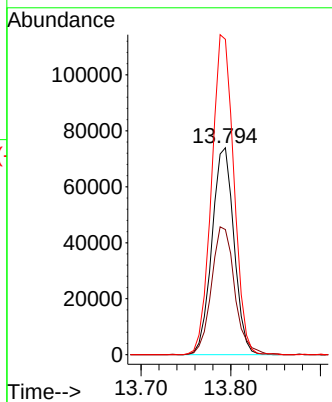
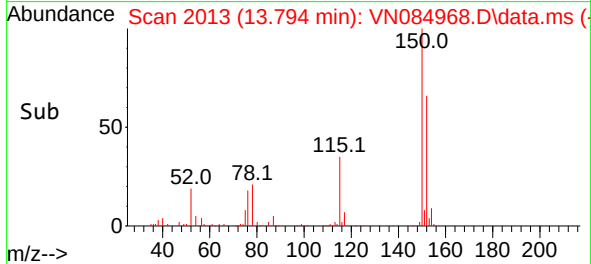


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2012
Delta R.T. 0.006 min
Lab File: VN084968.D
Acq: 20 Nov 2024 14:57

Instrument :
MSVOA_N
ClientSampleId :

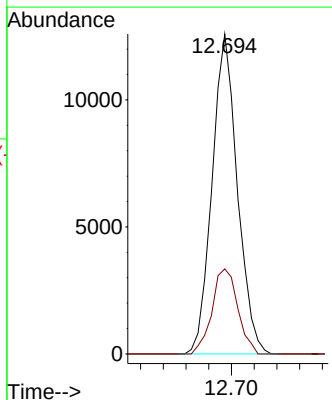
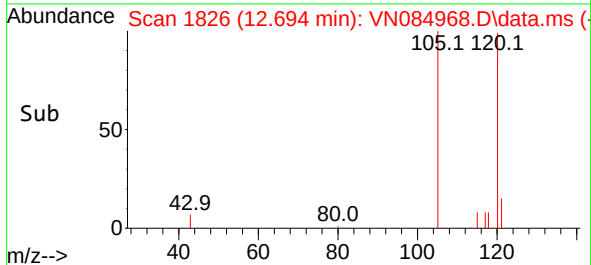
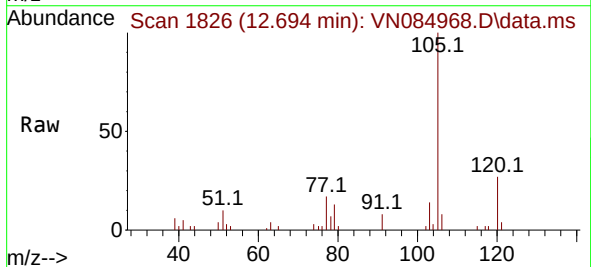


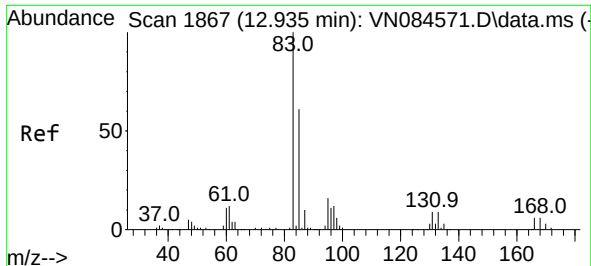
Tgt Ion:152 Resp: 126197
Ion Ratio Lower Upper
152 100
115 65.1 31.3 93.9
150 156.0 0.0 349.8



#73
Isopropylbenzene
Concen: 2.199 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN084968.D
Acq: 20 Nov 2024 14:57

Tgt Ion:105 Resp: 19447
Ion Ratio Lower Upper
105 100
120 27.1 12.9 38.7

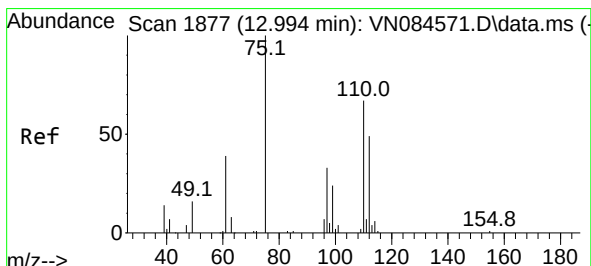
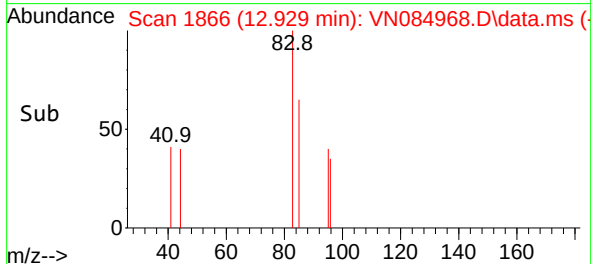
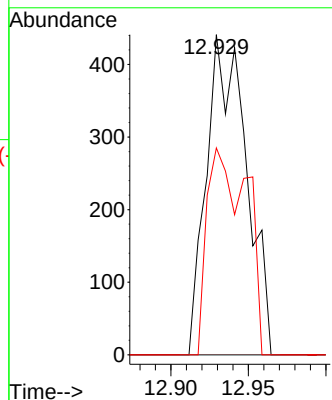
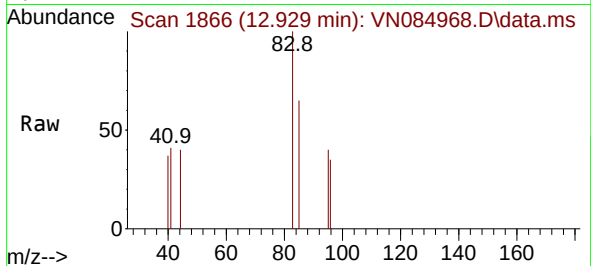




#75
1,1,2,2-Tetrachloroethane
Concen: 0.267 ug/l
RT: 12.929 min Scan# 1866
Delta R.T. -0.006 min
Lab File: VN084968.D
Acq: 20 Nov 2024 14:57

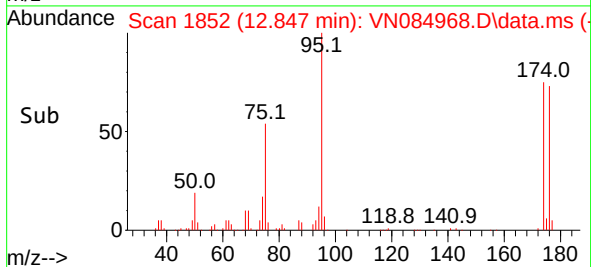
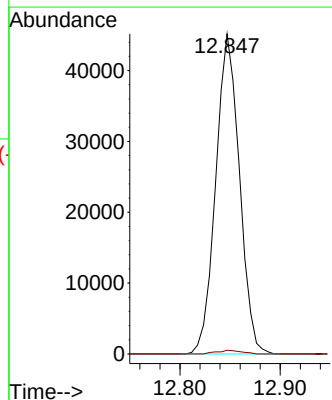
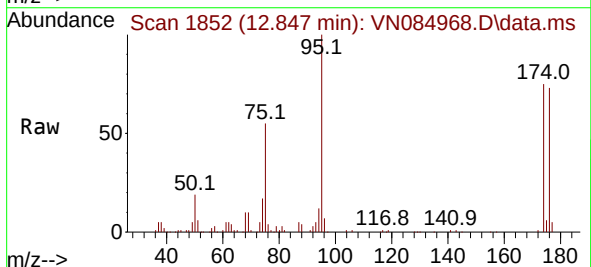
Instrument :
MSVOA_N
ClientSampleId :

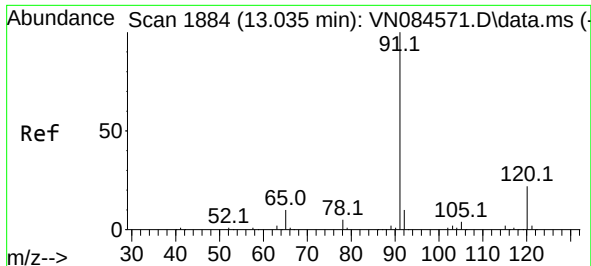
Tgt Ion: 83 Resp: 787
Ion Ratio Lower Upper
83 100
131 0.0 4.9 14.7#
85 64.5 31.9 95.7



#76
1,2,3-Trichloropropane
Concen: 29.345 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084968.D
Acq: 20 Nov 2024 14:57

Tgt Ion: 75 Resp: 74025
Ion Ratio Lower Upper
75 100
77 1.2 96.9 290.7#

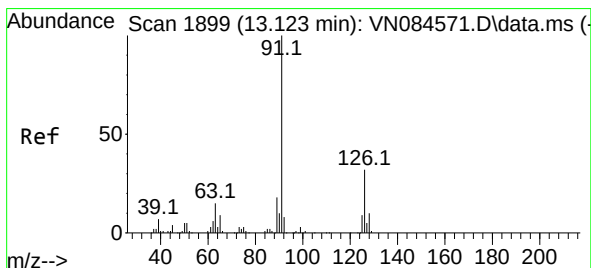
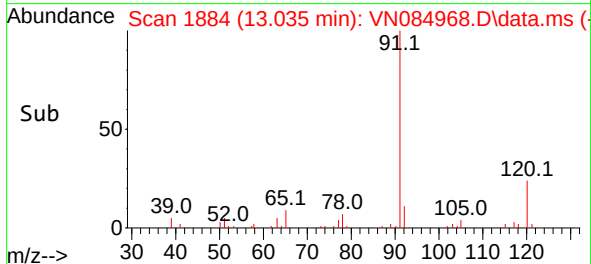
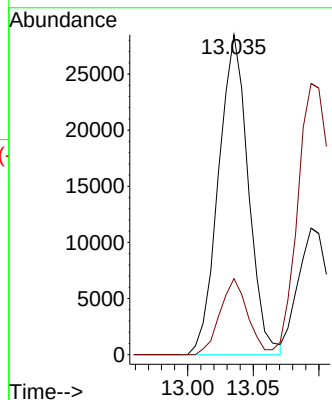
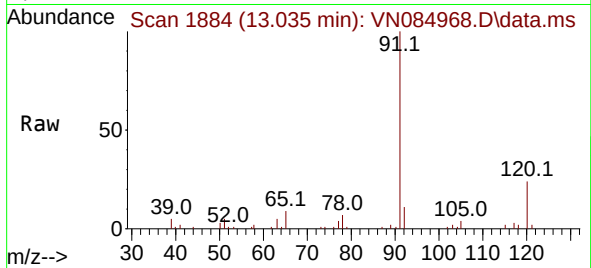




#78
n-propylbenzene
Concen: 4.352 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084968.D
Acq: 20 Nov 2024 14:57

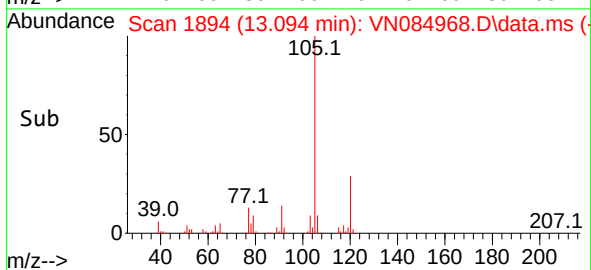
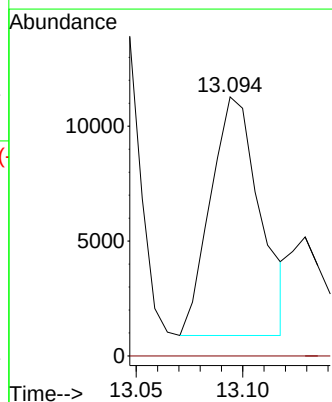
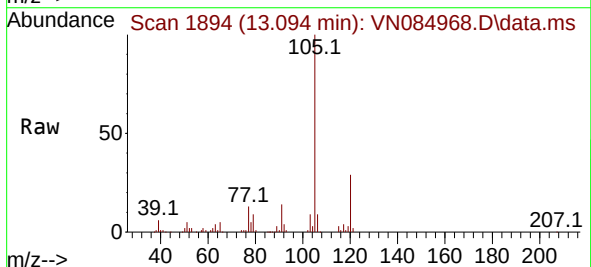
Instrument :
MSVOA_N
ClientSampleId :

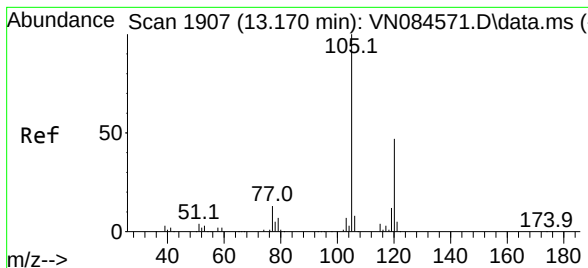
Tgt Ion: 91 Resp: 45100
Ion Ratio Lower Upper
91 100
120 22.1 10.8 32.4



#79
2-Chlorotoluene
Concen: 2.476 ug/l
RT: 13.094 min Scan# 1894
Delta R.T. -0.029 min
Lab File: VN084968.D
Acq: 20 Nov 2024 14:57

Tgt Ion: 91 Resp: 16769
Ion Ratio Lower Upper
91 100
126 0.0 15.7 47.1#





#80

1,3,5-Trimethylbenzene

Concen: 10.424 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VN084968.D

Acq: 20 Nov 2024 14:57

Instrument :

MSVOA_N

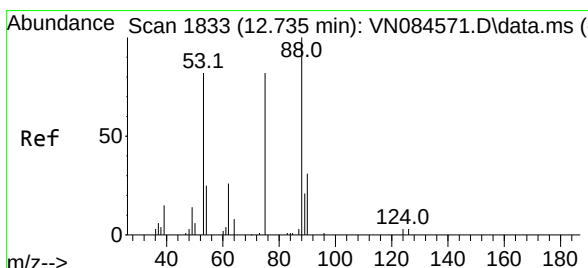
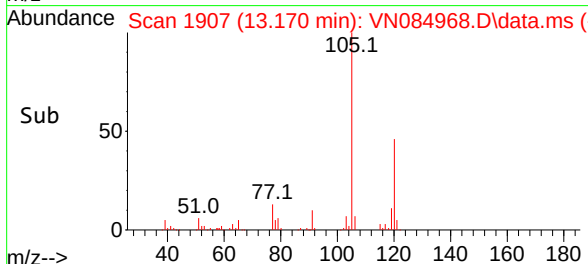
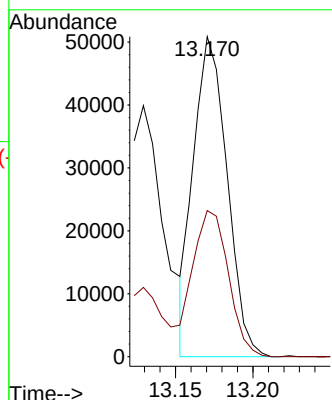
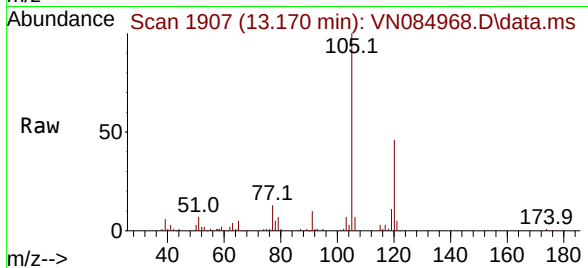
ClientSampleId :

Tgt Ion:105 Resp: 76404

Ion Ratio Lower Upper

105 100

120 50.1 23.7 71.1



#81

trans-1,4-Dichloro-2-butene

Concen: 69.617 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN084968.D

Acq: 20 Nov 2024 14:57

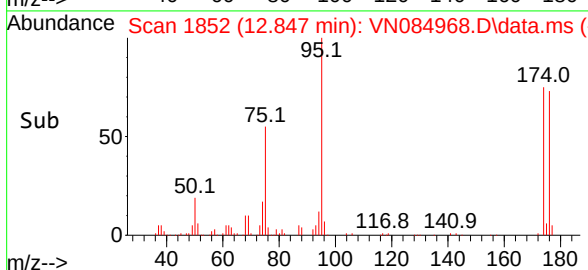
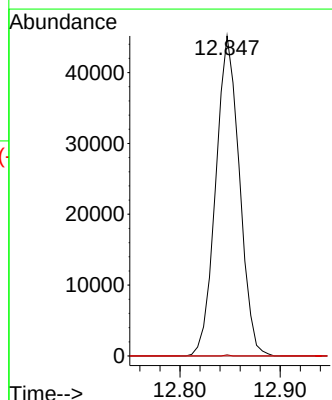
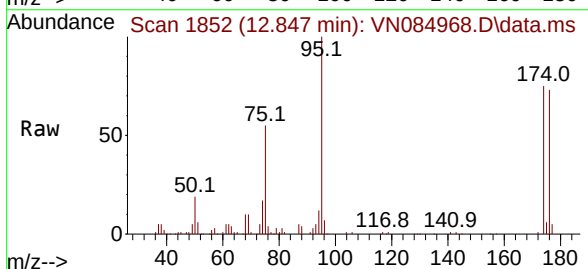
Tgt Ion: 75 Resp: 74025

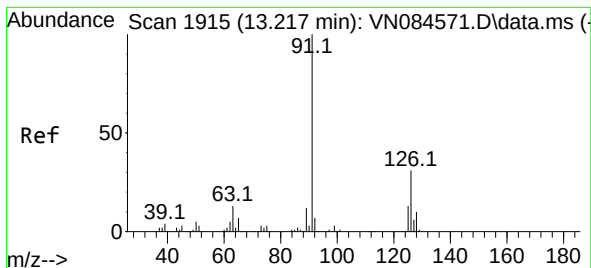
Ion Ratio Lower Upper

75 100

53 0.1 78.0 117.0#

89 0.0 35.5 53.3#





#82

4-Chlorotoluene

Concen: 1.122 ug/l

RT: 13.176 min Scan# 1915

Delta R.T. -0.041 min

Lab File: VN084968.D

Acq: 20 Nov 2024 14:57

Instrument :

MSVOA_N

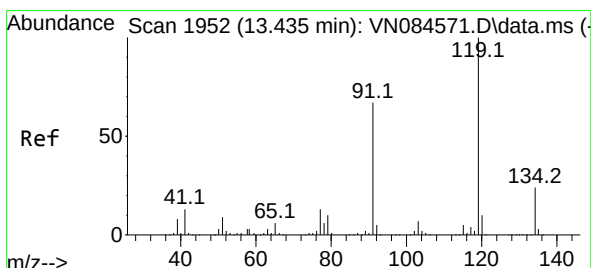
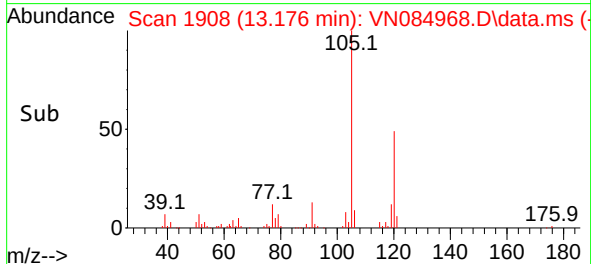
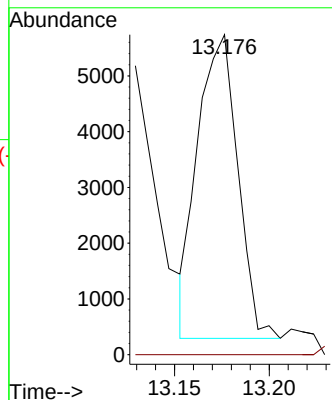
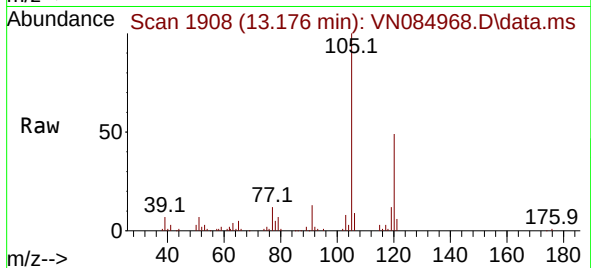
ClientSampleId :

Tgt Ion: 91 Resp: 7994

Ion Ratio Lower Upper

91 100

126 0.0 15.7 47.1#



#83

tert-Butylbenzene

Concen: 6.046 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.047 min

Lab File: VN084968.D

Acq: 20 Nov 2024 14:57

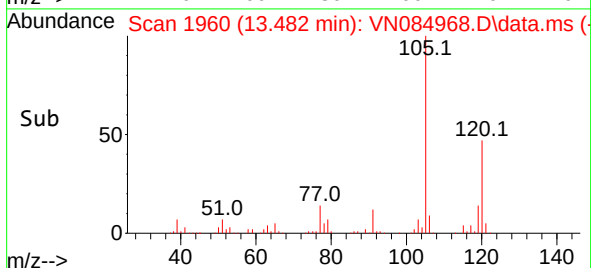
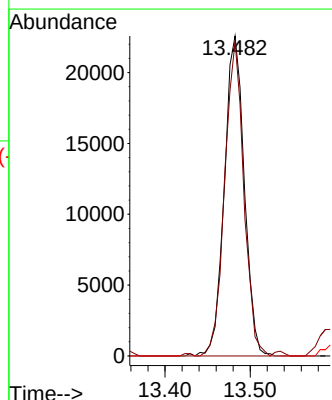
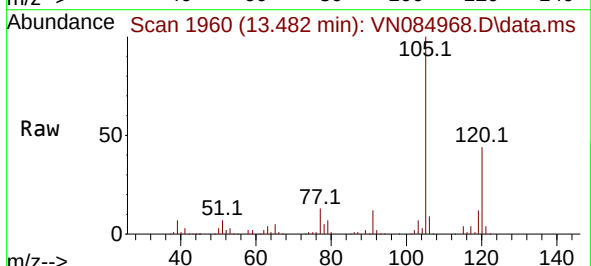
Tgt Ion: 119 Resp: 36679

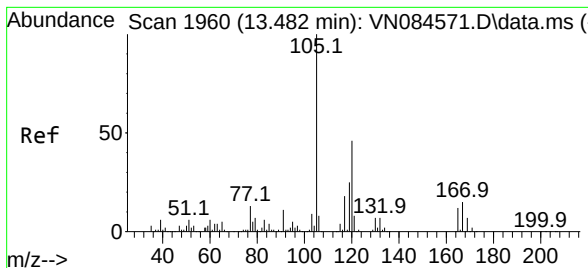
Ion Ratio Lower Upper

119 100

91 94.5 34.1 102.3

134 0.0 12.8 38.4#





#84

1,2,4-Trimethylbenzene

Concen: 40.012 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.000 min

Lab File: VN084968.D

Acq: 20 Nov 2024 14:57

Instrument :

MSVOA_N

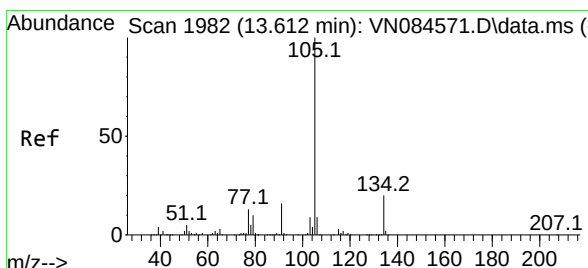
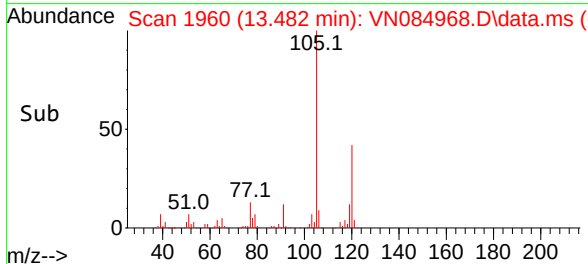
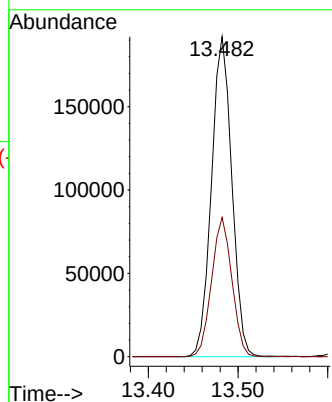
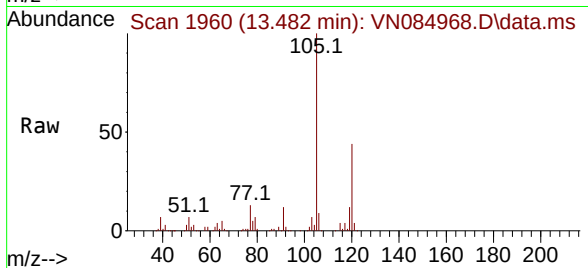
ClientSampleId :

Tgt Ion:105 Resp: 302688

Ion Ratio Lower Upper

105 100

120 43.2 22.3 66.8



#85

sec-Butylbenzene

Concen: 35.324 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. -0.135 min

Lab File: VN084968.D

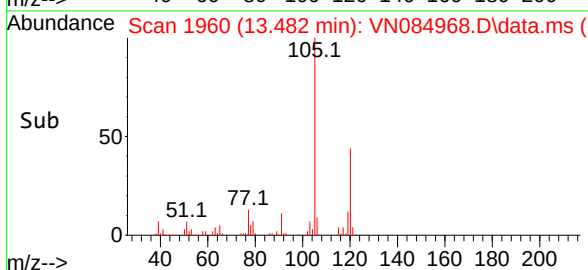
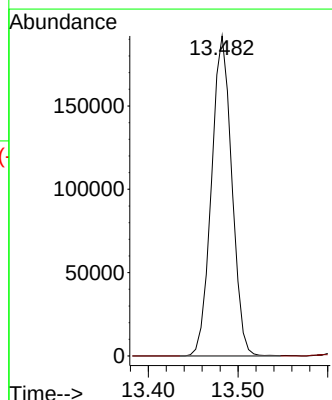
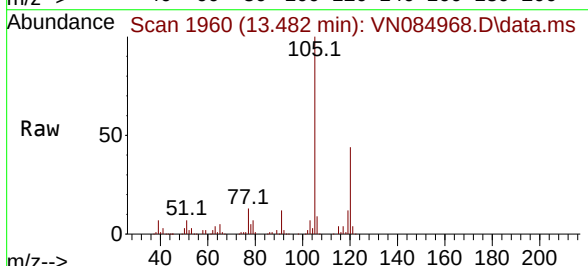
Acq: 20 Nov 2024 14:57

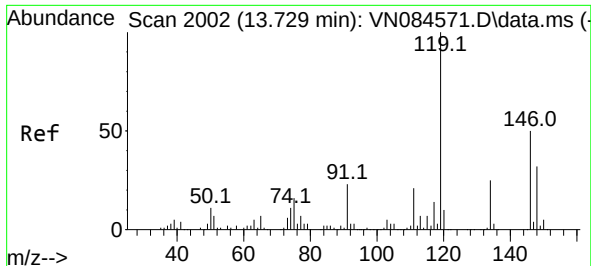
Tgt Ion:105 Resp: 302688

Ion Ratio Lower Upper

105 100

134 0.0 9.8 29.4#

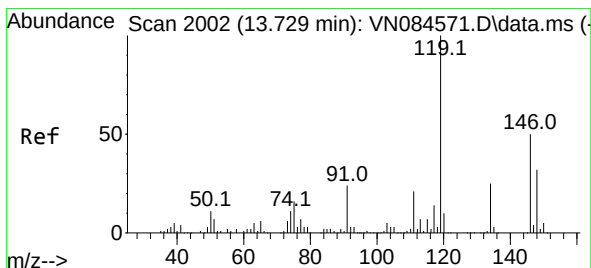
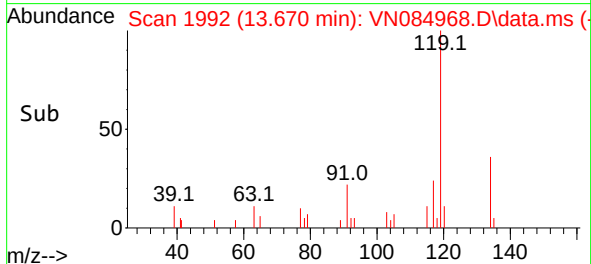
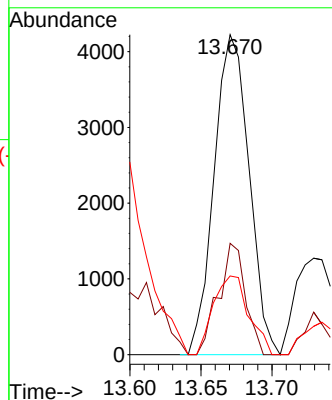
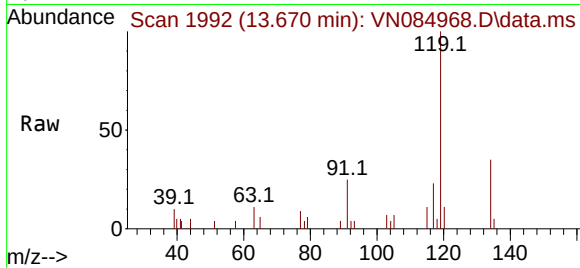




#86
p-Isopropyltoluene
Concen: 1.029 ug/l
RT: 13.670 min Scan# 1992
Delta R.T. -0.059 min
Lab File: VN084968.D
Acq: 20 Nov 2024 14:57

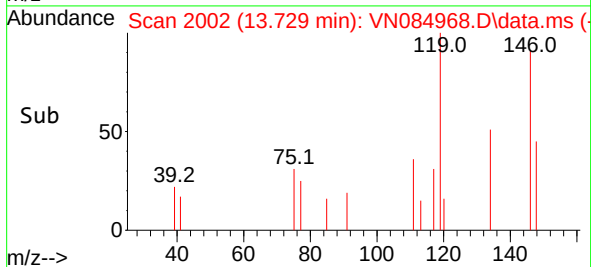
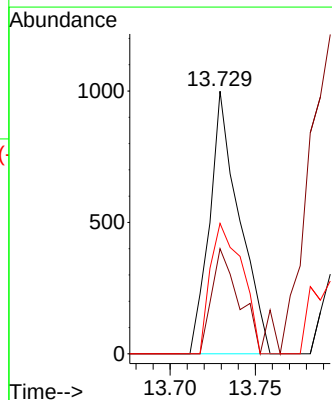
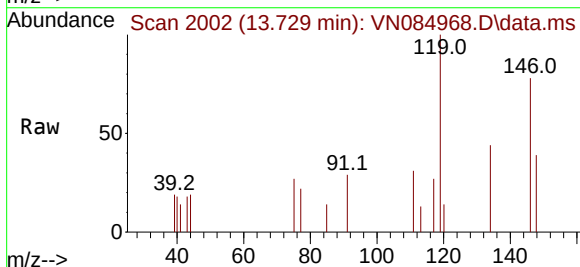
Instrument :
MSVOA_N
ClientSampleId :

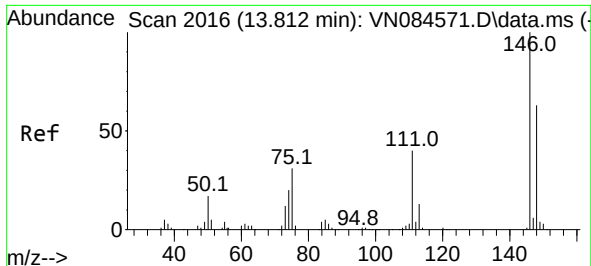
Tgt Ion:119 Resp: 7228
Ion Ratio Lower Upper
119 100
134 26.9 12.6 37.8
91 24.9 12.4 37.2



#87
1,3-Dichlorobenzene
Concen: 0.261 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084968.D
Acq: 20 Nov 2024 14:57

Tgt Ion:146 Resp: 1212
Ion Ratio Lower Upper
146 100
111 36.6 21.8 65.3
148 53.1 31.9 95.7





#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 13.729 min Scan# 2016

Delta R.T. -0.083 min

Lab File: VN084968.D

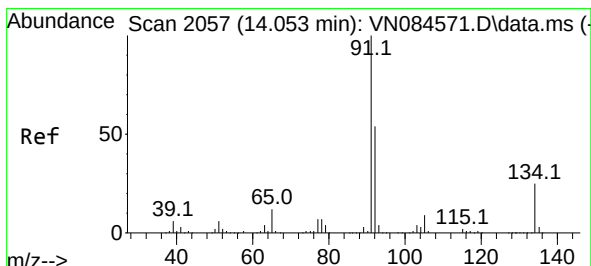
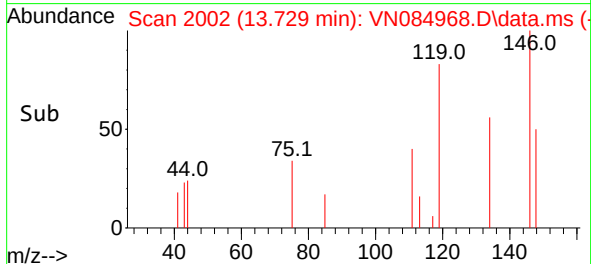
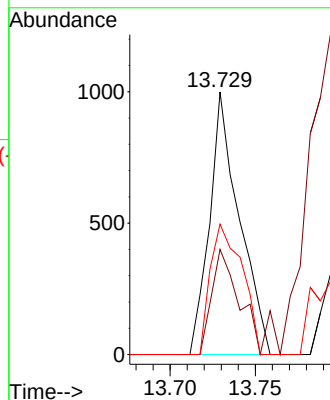
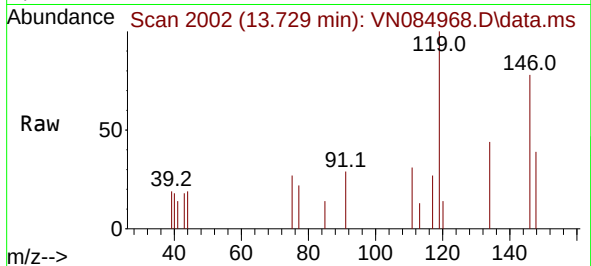
Acq: 20 Nov 2024 14:57

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:146	Resp:	1212
Ion	Ratio	Lower Upper
146	100	
111	36.6	21.2 63.6
148	53.1	31.9 95.9



#89

n-Butylbenzene

Concen: 1.663 ug/l

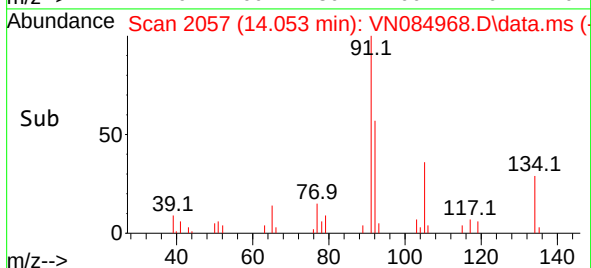
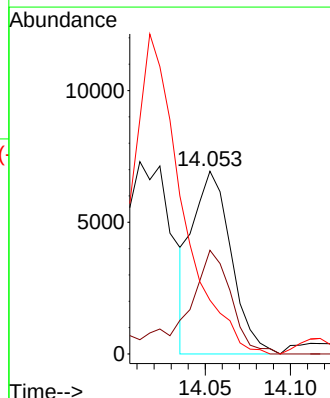
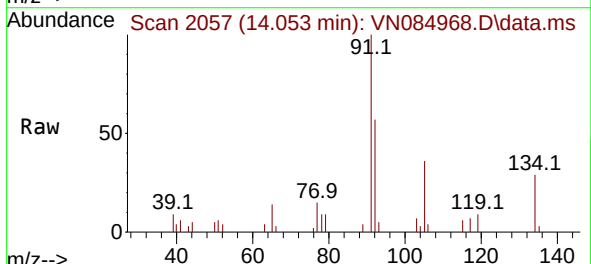
RT: 14.053 min Scan# 2057

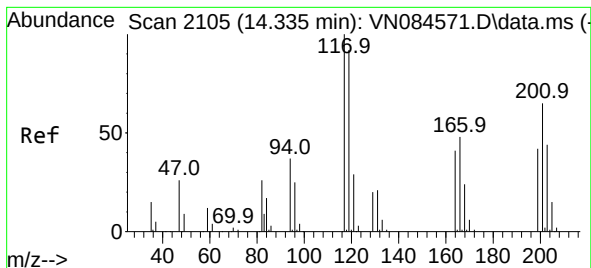
Delta R.T. -0.000 min

Lab File: VN084968.D

Acq: 20 Nov 2024 14:57

Tgt Ion: 91	Resp:	10930
Ion	Ratio	Lower Upper
91	100	
92	63.8	26.6 79.7
134	0.0	12.3 36.9





#90

Hexachloroethane

Concen: 3.469 ug/l

RT: 14.329 min Scan# 2105

Delta R.T. 0.000 min

Lab File: VN084968.D

Acq: 20 Nov 2024 14:57

Instrument :

MSVOA_N

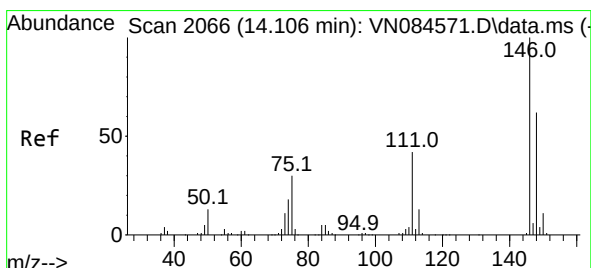
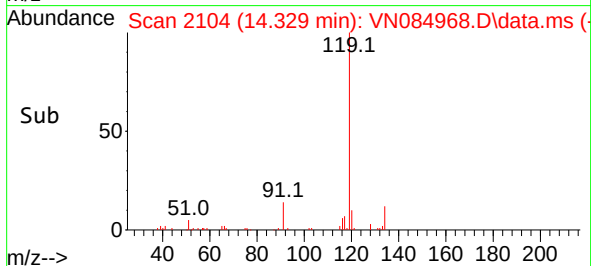
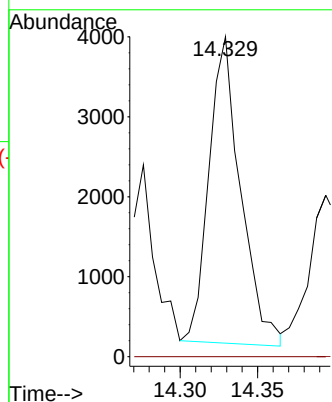
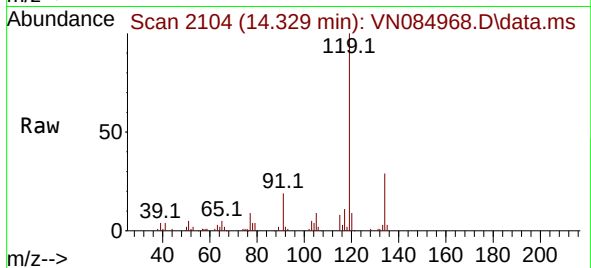
ClientSampleId :

Tgt Ion:117 Resp: 5437

Ion Ratio Lower Upper

117 100

201 0.0 34.4 103.2#



#91

1,2-Dichlorobenzene

Concen: 0.290 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. 0.000 min

Lab File: VN084968.D

Acq: 20 Nov 2024 14:57

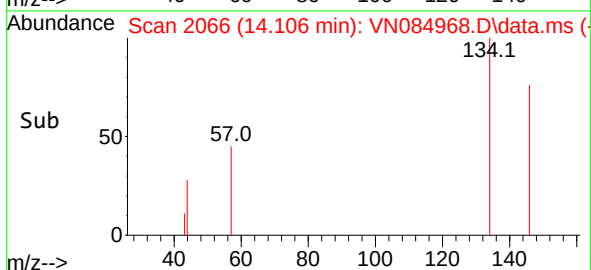
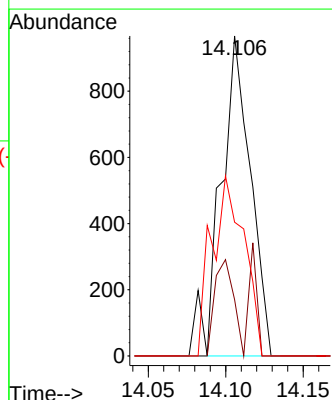
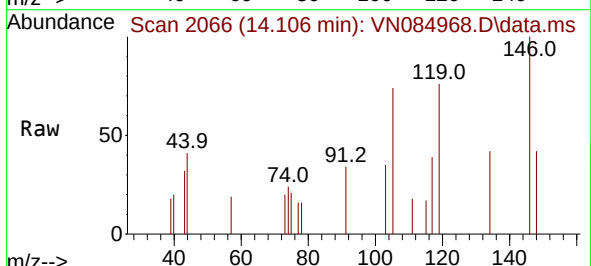
Tgt Ion:146 Resp: 1293

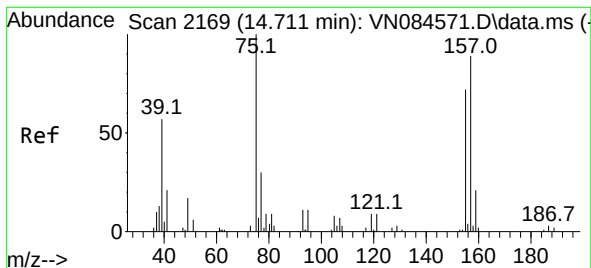
Ion Ratio Lower Upper

146 100

111 19.3 22.0 66.0#

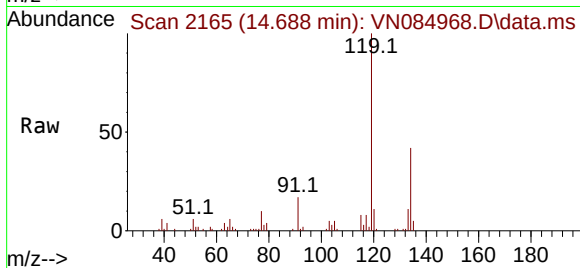
148 61.1 32.1 96.3



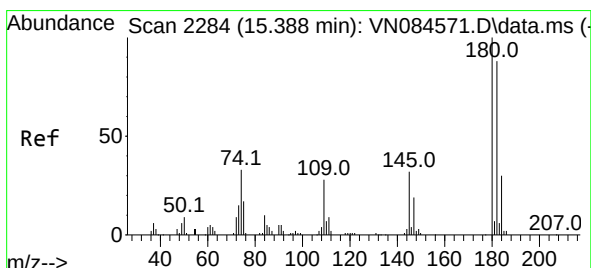
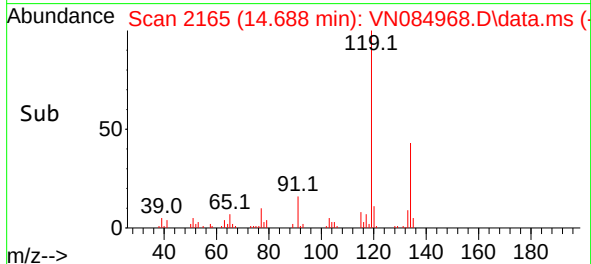
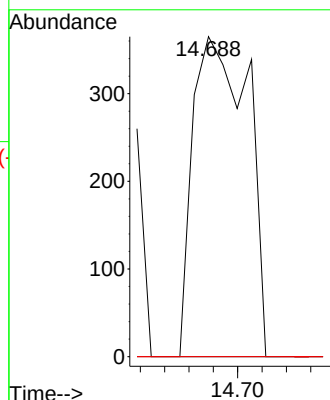


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.955 ug/l
 RT: 14.688 min Scan# 2165
 Delta R.T. -0.029 min
 Lab File: VN084968.D
 Acq: 20 Nov 2024 14:57

Instrument :
 MSVOA_N
 ClientSampleId :

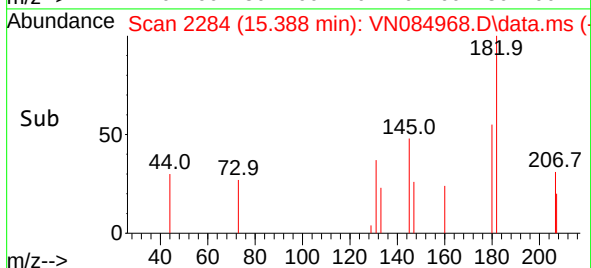
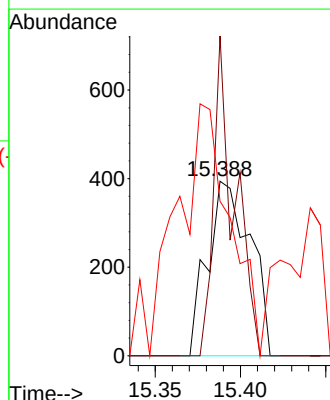
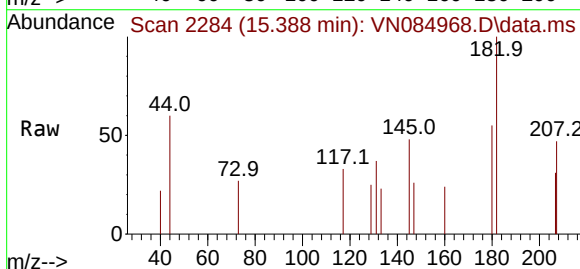


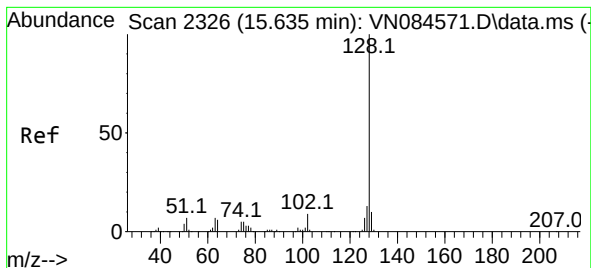
Tgt Ion: 75 Resp: 571
 Ion Ratio Lower Upper
 75 100
 155 0.0 38.1 114.5#
 157 0.0 49.6 149.0#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.282 ug/l
 RT: 15.388 min Scan# 2284
 Delta R.T. -0.000 min
 Lab File: VN084968.D
 Acq: 20 Nov 2024 14:57

Tgt Ion: 180 Resp: 687
 Ion Ratio Lower Upper
 180 100
 182 89.4 47.0 141.0
 145 183.3 16.4 49.4#





#95

Naphthalene

Concen: 8.296 ug/l

RT: 15.641 min Scan# 2326

Delta R.T. 0.006 min

Lab File: VN084968.D

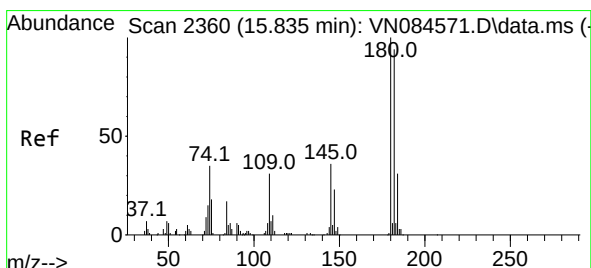
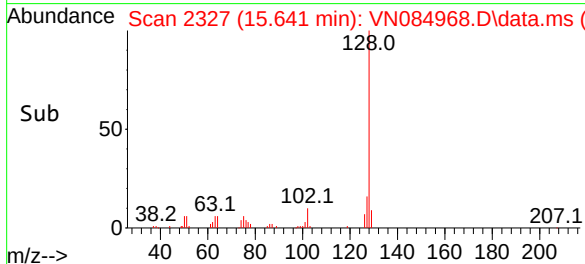
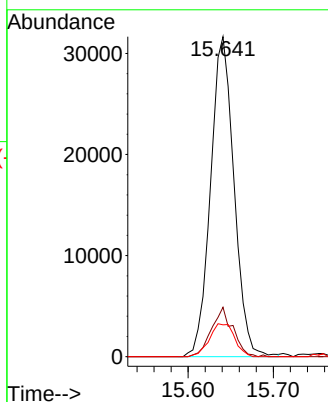
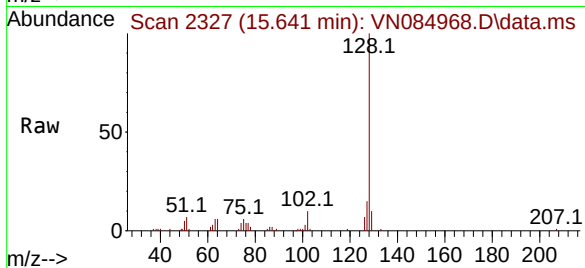
Acq: 20 Nov 2024 14:57

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:128	Resp: 60596
Ion Ratio	Lower Upper
128	100
127	14.2 10.5 15.7
129	11.0 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 0.272 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. 0.006 min

Lab File: VN084968.D

Acq: 20 Nov 2024 14:57

Tgt Ion:180	Resp: 644
Ion Ratio	Lower Upper
180	100
182	97.5 48.2 144.6
145	117.7 17.3 51.9

