

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112222\
 Data File : VN075362.D
 Acq On : 22 Nov 2022 12:56
 Operator : JC\MD
 Sample : N5644-01
 Misc : 1.03g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 102122

Quant Time: Nov 23 07:07:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 23 00:18:03 2022
 Response via : Initial Calibration

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

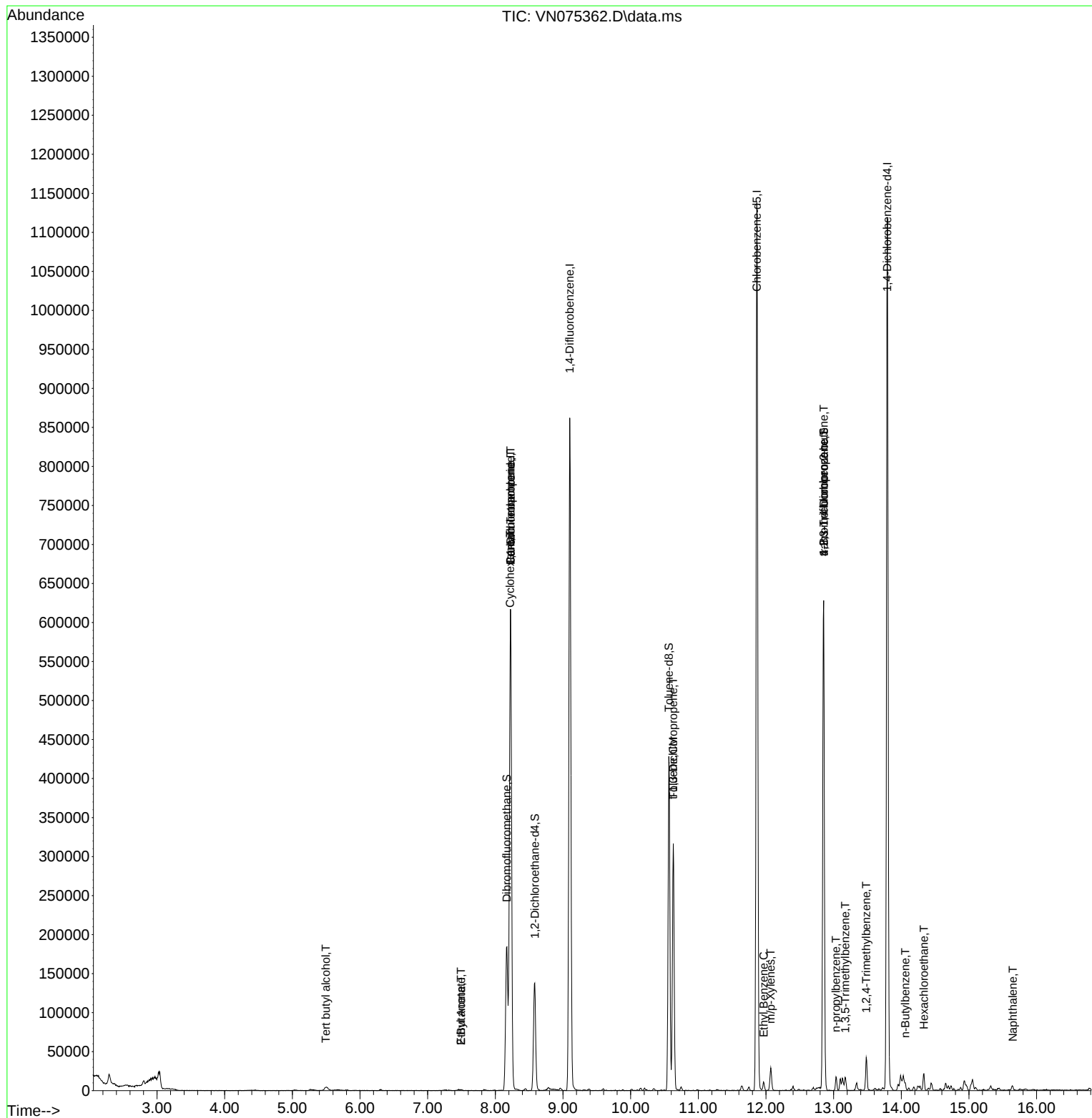
Internal Standards						
1) Pentafluorobenzene	8.224	168	471125	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	796896	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	696083	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	313556	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	111308	44.014	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	88.020%
35) Dibromofluoromethane	8.171	113	134106	42.839	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	85.680%
50) Toluene-d8	10.565	98	307226	43.574	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	87.140%
62) 4-Bromofluorobenzene	12.853	95	219490	42.176	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	84.360%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.495	59	4814	4.535	ug/l #	72
18) Methyl Acetate	5.053	43	1456	Below Cal	#	47
20) Methylene Chloride	5.265	84	612	Below Cal	#	77
25) 2-Butanone	7.494	43	1247	0.379	ug/l	97
31) Cyclohexane	8.218	56	9586	1.193	ug/l #	12
36) 1,1-Dichloropropene	8.224	75	33657	4.930	ug/l #	50
37) Ethyl Acetate	7.494	43	1247	0.203	ug/l #	66
38) Carbon Tetrachloride	8.224	117	48000	6.401	ug/l #	17
52) Toluene	10.629	92	146248	10.858	ug/l	100
53) t-1,3-Dichloropropene	10.629	75	1549	0.211	ug/l #	1
67) Ethyl Benzene	11.965	91	6868	0.280	ug/l	96
68) m/p-Xylenes	12.071	106	8097	0.813	ug/l	100
76) 1,2,3-Trichloropropane	12.853	75	111512	18.809	ug/l #	1
78) n-propylbenzene	13.035	91	14343	0.561	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	7671	0.403	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.853	75	111512	55.653	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.482	105	24868	1.303	ug/l	99
89) n-Butylbenzene	14.059	91	7594	0.454	ug/l #	74
90) Hexachloroethane	14.335	117	1236	0.362	ug/l #	19
95) Naphthalene	15.647	128	6816	0.405	ug/l #	93

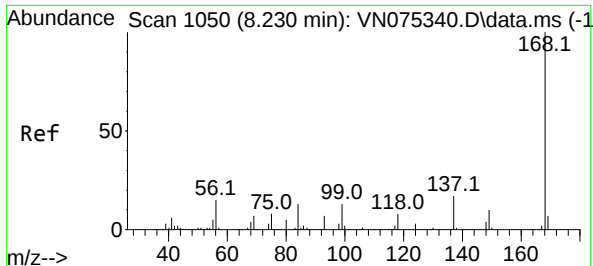
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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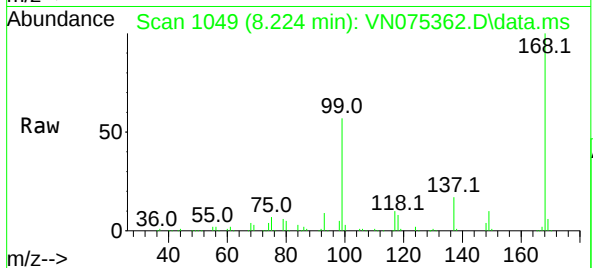
Quant Time: Nov 23 07:07:09 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
Quant Title : SW846 8260
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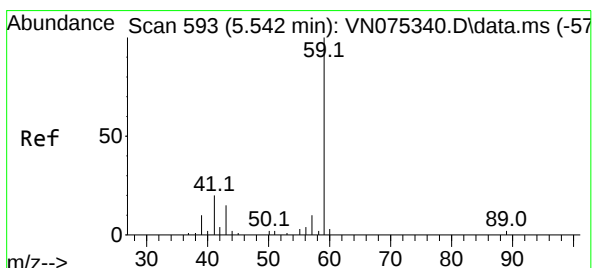
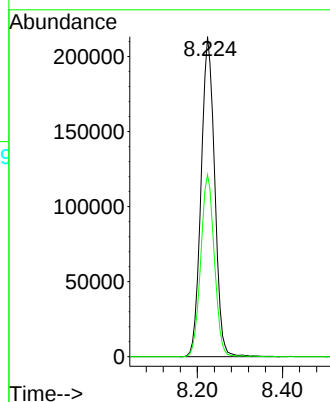
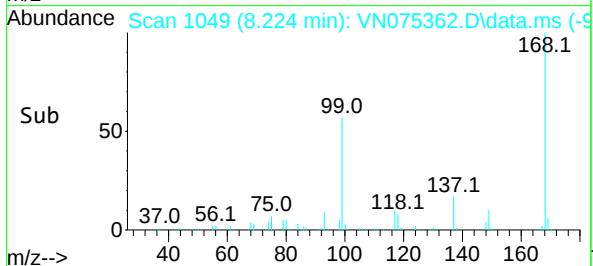


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.006 min
Lab File: VN075362.D
Acq: 22 Nov 2022 12:56

Instrument :
MSVOA_N
ClientSampleId :
102122

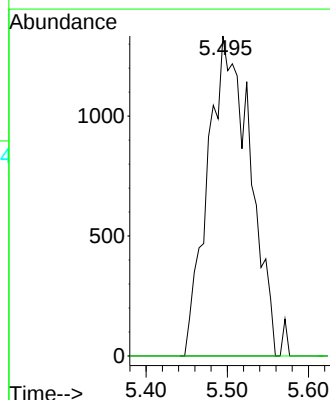
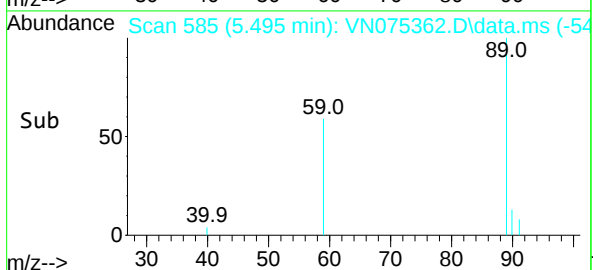
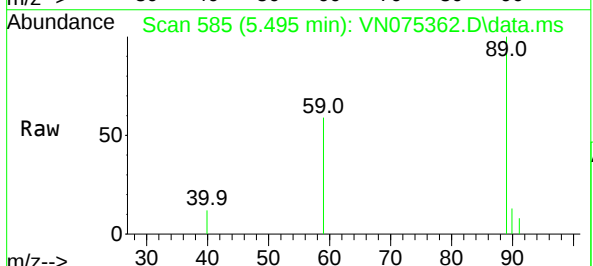


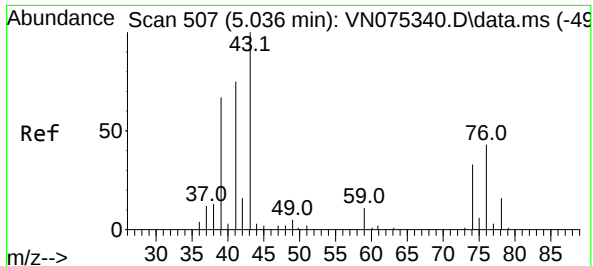
Tgt Ion:168 Resp: 471125
Ion Ratio Lower Upper
168 100
99 56.8 51.6 77.4



#11
Tert butyl alcohol
Concen: 4.535 ug/l
RT: 5.495 min Scan# 585
Delta R.T. -0.047 min
Lab File: VN075362.D
Acq: 22 Nov 2022 12:56

Tgt Ion: 59 Resp: 4814
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

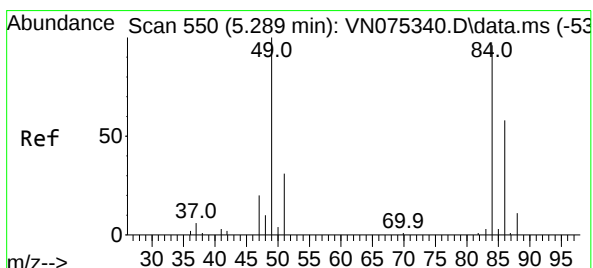
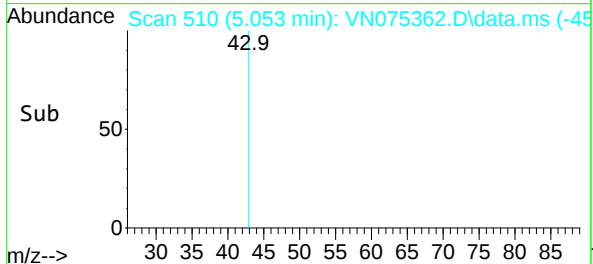
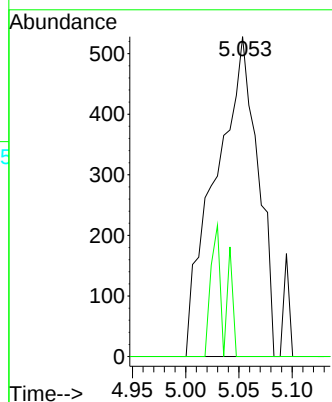
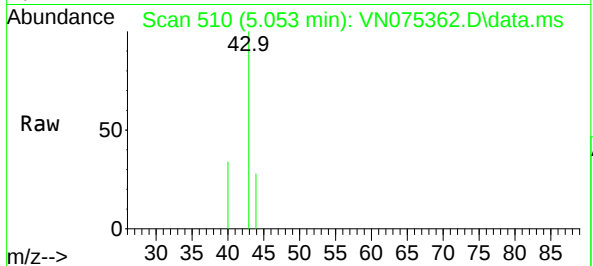




#18
Methyl Acetate
Concen: Below Cal
RT: 5.053 min Scan# 51
Delta R.T. 0.017 min
Lab File: VN075362.D
Acq: 22 Nov 2022 12:56

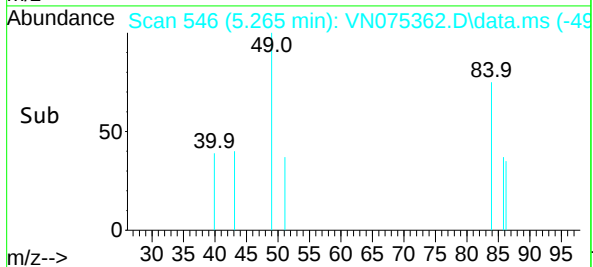
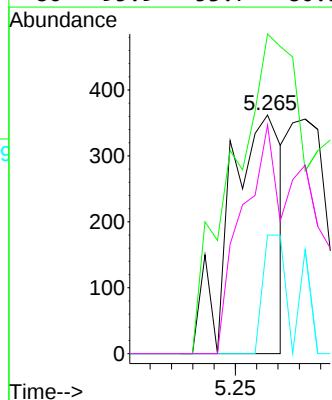
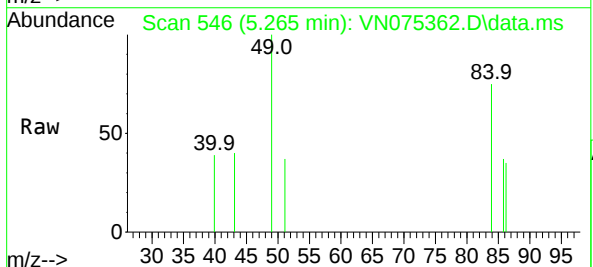
Instrument :
MSVOA_N
ClientSampleId :
102122

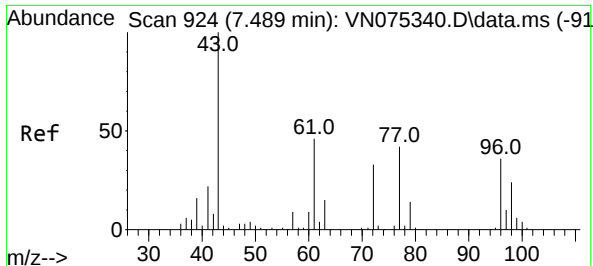
Tgt Ion: 43 Resp: 1456
Ion Ratio Lower Upper
43 100
74 0.0 22.0 33.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.265 min Scan# 546
Delta R.T. -0.024 min
Lab File: VN075362.D
Acq: 22 Nov 2022 12:56

Tgt Ion: 84 Resp: 612
Ion Ratio Lower Upper
84 100
49 134.0 94.9 142.3
51 49.7 26.8 40.2#
86 95.9 53.7 80.5#





#25

2-Butanone

Concen: 0.379 ug/l

RT: 7.494 min Scan# 91

Delta R.T. 0.005 min

Lab File: VN075362.D

Acq: 22 Nov 2022 12:56

Instrument :

MSVOA_N

ClientSampleId :

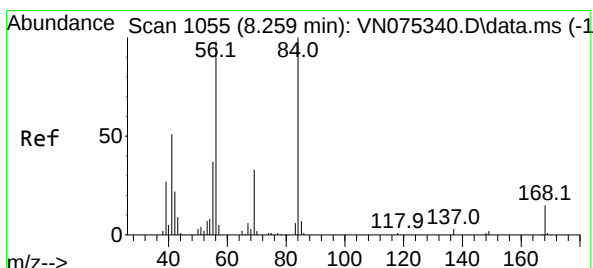
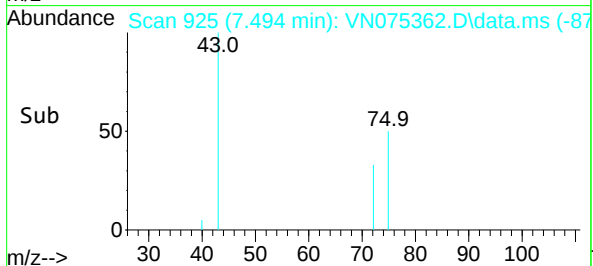
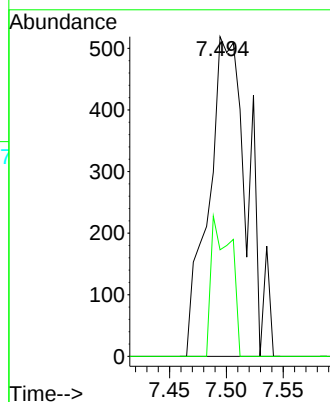
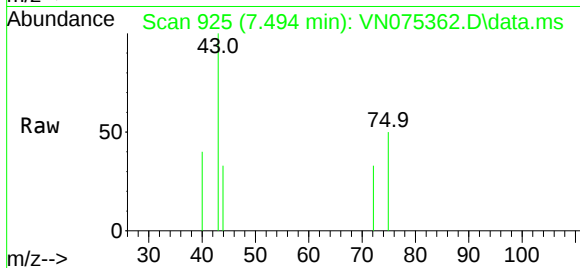
102122

Tgt Ion: 43 Resp: 1247

Ion Ratio Lower Upper

43 100

72 33.3 25.5 38.3



#31

Cyclohexane

Concen: 1.193 ug/l

RT: 8.218 min Scan# 1048

Delta R.T. -0.041 min

Lab File: VN075362.D

Acq: 22 Nov 2022 12:56

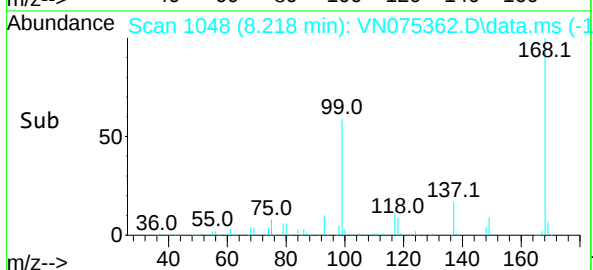
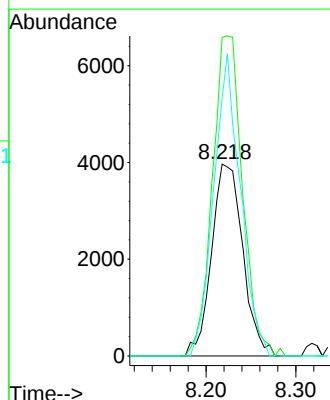
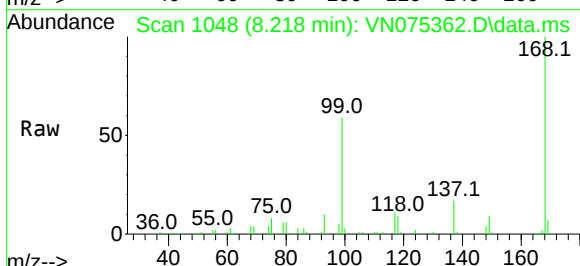
Tgt Ion: 56 Resp: 9586

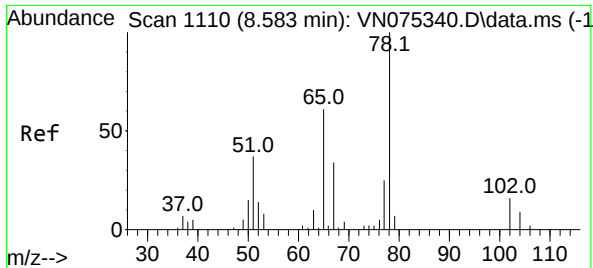
Ion Ratio Lower Upper

56 100

69 166.0 25.2 37.8#

84 134.4 77.8 116.8#





#33

1,2-Dichloroethane-d4

Concen: 44.014 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. -0.000 min

Lab File: VN075362.D

Acq: 22 Nov 2022 12:56

Instrument :

MSVOA_N

ClientSampleId :

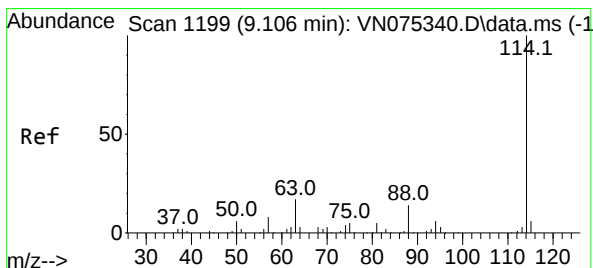
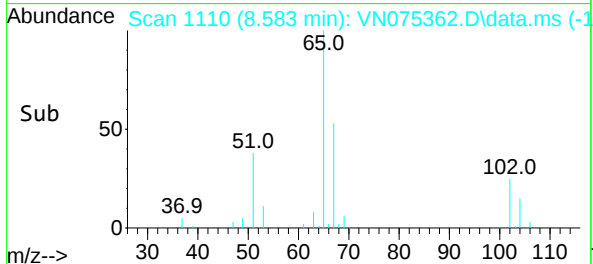
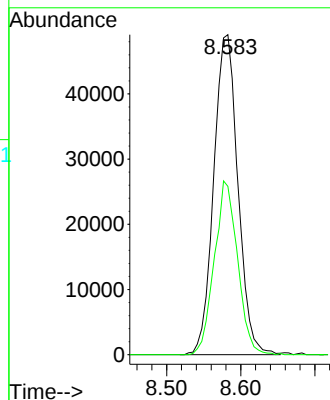
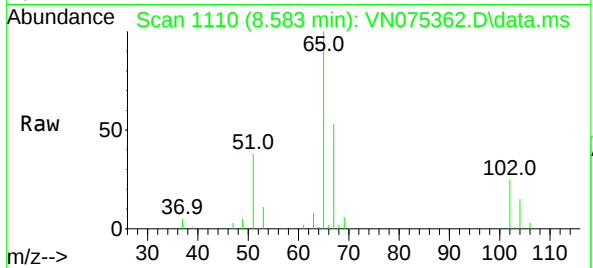
102122

Tgt Ion: 65 Resp: 111308

Ion Ratio Lower Upper

65 100

67 52.2 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1198

Delta R.T. -0.006 min

Lab File: VN075362.D

Acq: 22 Nov 2022 12:56

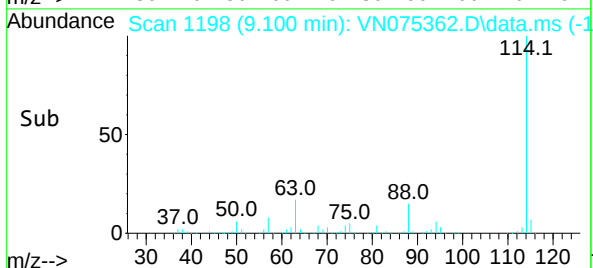
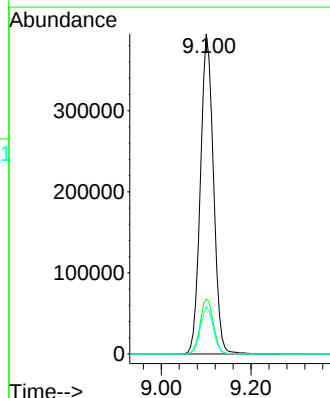
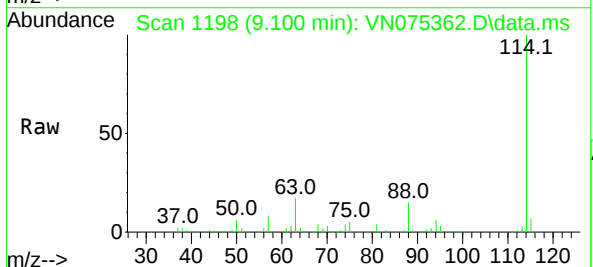
Tgt Ion: 114 Resp: 796896

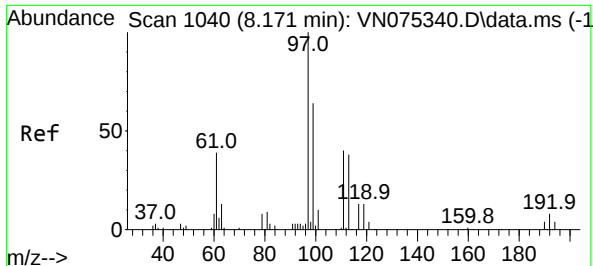
Ion Ratio Lower Upper

114 100

63 17.2 0.0 39.6

88 14.9 0.0 29.0





#35

Dibromofluoromethane

Concen: 42.839 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075362.D

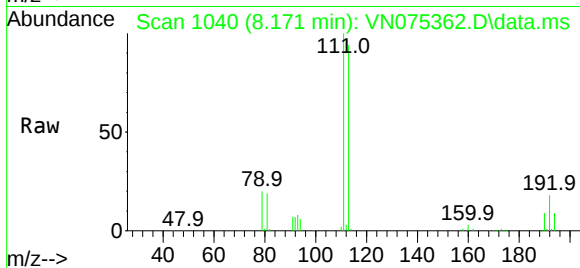
Acq: 22 Nov 2022 12:56

Instrument :

MSVOA_N

ClientSampleId :

102122



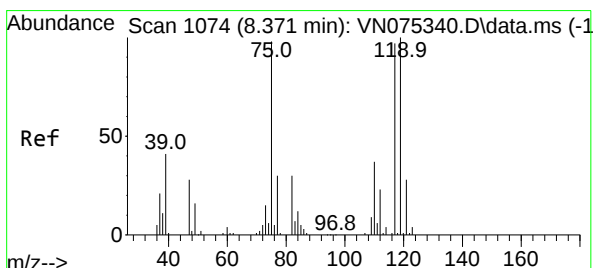
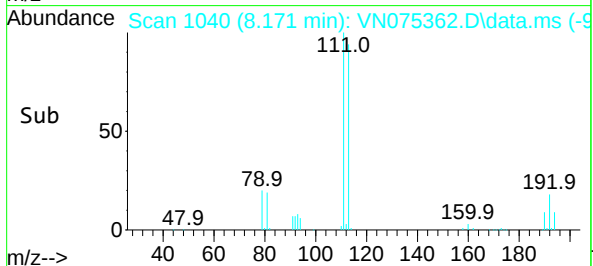
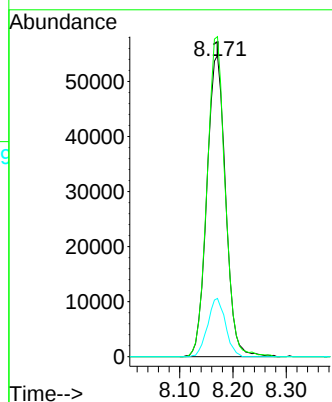
Tgt Ion:113 Resp: 134106

Ion Ratio Lower Upper

113 100

111 102.5 80.5 120.7

192 18.4 13.2 19.8



#36

1,1-Dichloropropene

Concen: 4.930 ug/l

RT: 8.224 min Scan# 1049

Delta R.T. -0.147 min

Lab File: VN075362.D

Acq: 22 Nov 2022 12:56

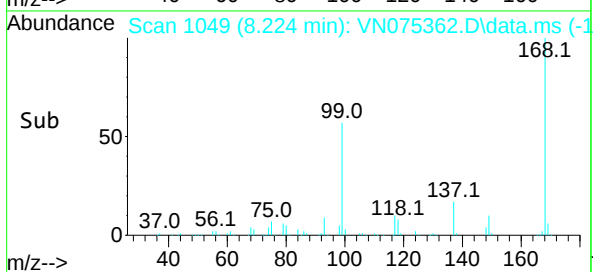
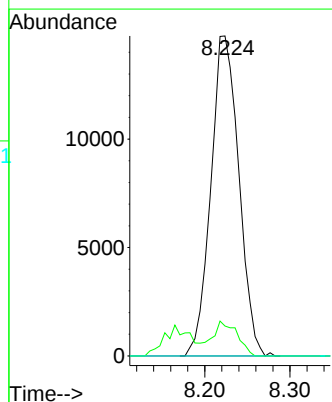
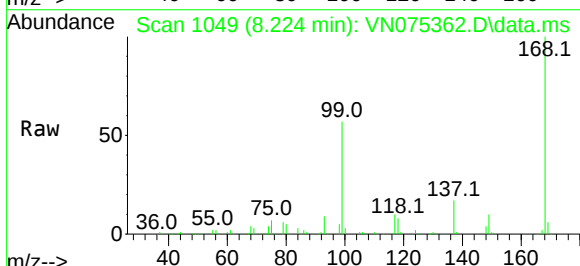
Tgt Ion: 75 Resp: 33657

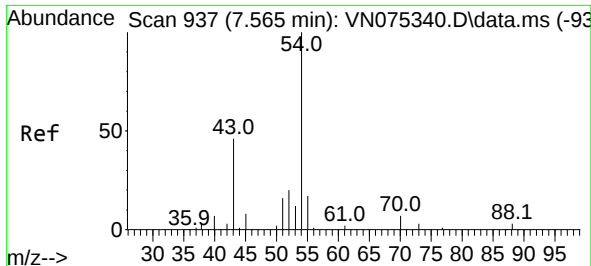
Ion Ratio Lower Upper

75 100

110 9.8 17.8 53.3#

77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 0.203 ug/l

RT: 7.494 min Scan# 91

Delta R.T. -0.071 min

Lab File: VN075362.D

Acq: 22 Nov 2022 12:56

Instrument :

MSVOA_N

ClientSampleId :

102122

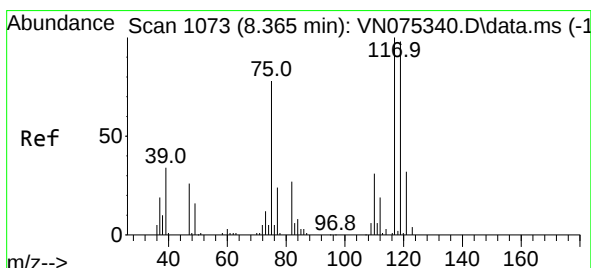
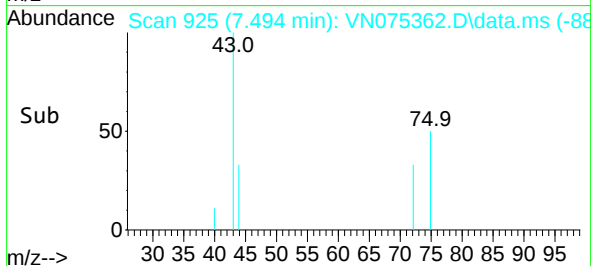
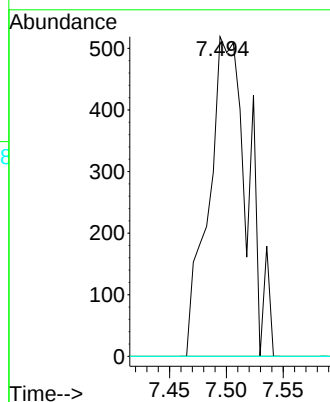
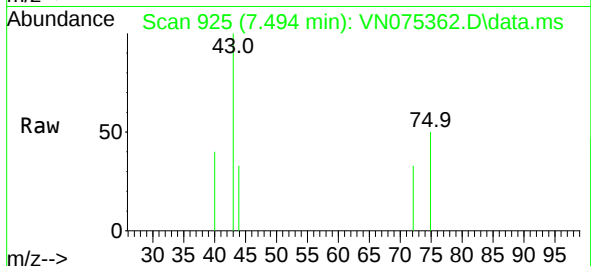
Tgt Ion: 43 Resp: 1247

Ion Ratio Lower Upper

43 100

61 0.0 12.2 18.4#

70 0.0 9.4 14.2#



#38

Carbon Tetrachloride

Concen: 6.401 ug/l

RT: 8.224 min Scan# 1049

Delta R.T. -0.141 min

Lab File: VN075362.D

Acq: 22 Nov 2022 12:56

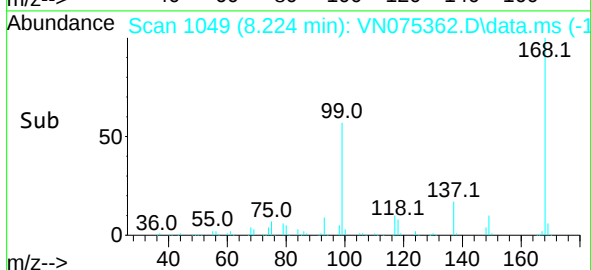
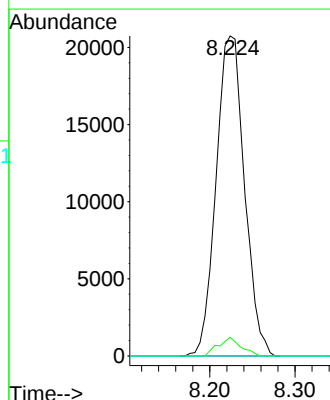
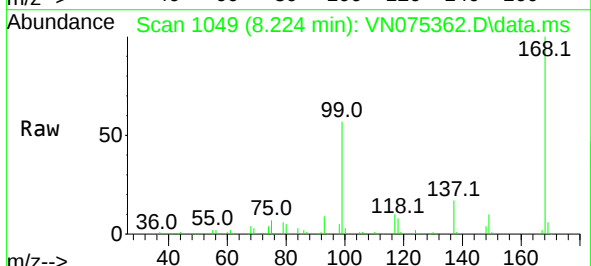
Tgt Ion: 117 Resp: 48000

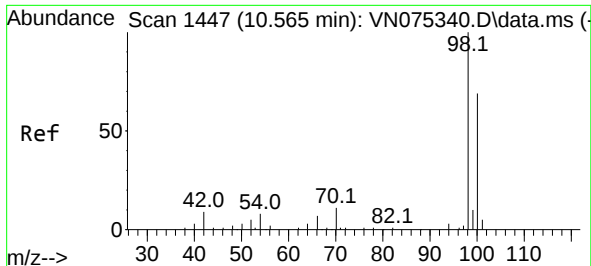
Ion Ratio Lower Upper

117 100

119 5.9 76.7 115.1#

121 0.0 23.9 35.9#

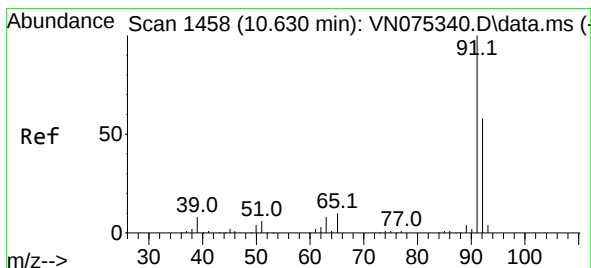
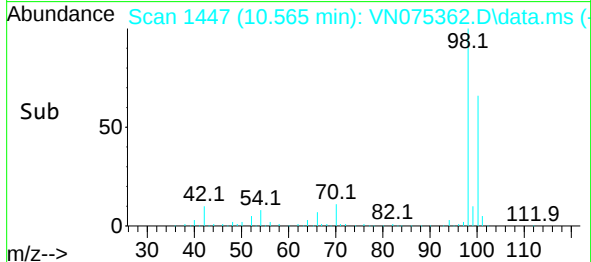
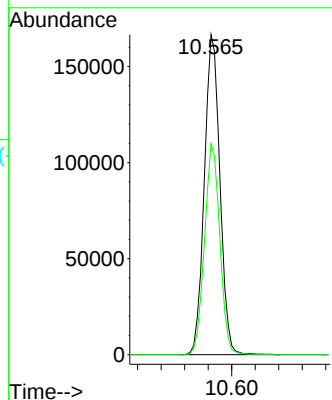
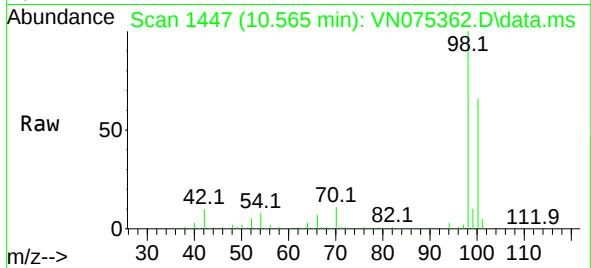




#50
Toluene-d8
Concen: 43.574 ug/l
RT: 10.565 min Scan# 1447
Delta R.T. -0.000 min
Lab File: VN075362.D
Acq: 22 Nov 2022 12:56

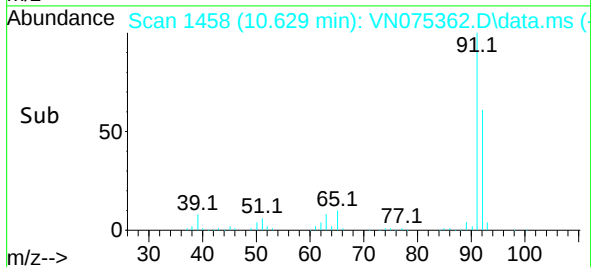
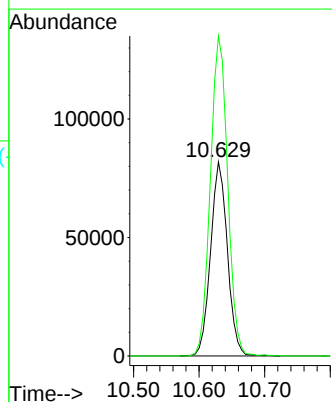
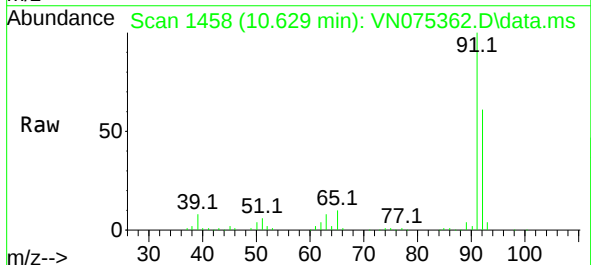
Instrument :
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102122

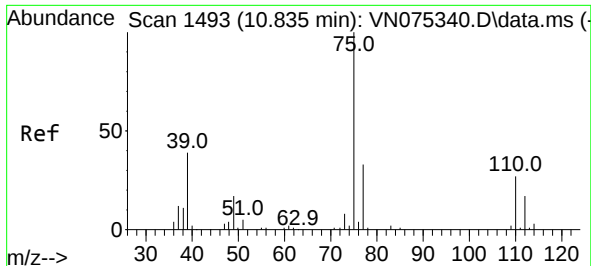
Tgt Ion: 98 Resp: 307226
Ion Ratio Lower Upper
98 100
100 64.9 53.0 79.6



#52
Toluene
Concen: 10.858 ug/l
RT: 10.629 min Scan# 1458
Delta R.T. -0.001 min
Lab File: VN075362.D
Acq: 22 Nov 2022 12:56

Tgt Ion: 92 Resp: 146248
Ion Ratio Lower Upper
92 100
91 169.4 135.4 203.2

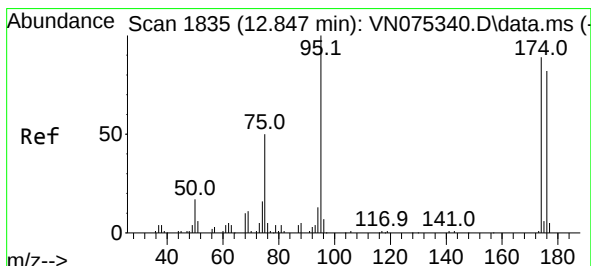
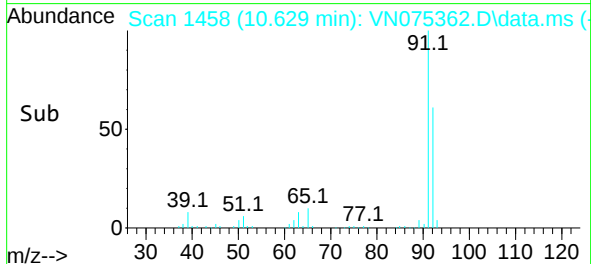
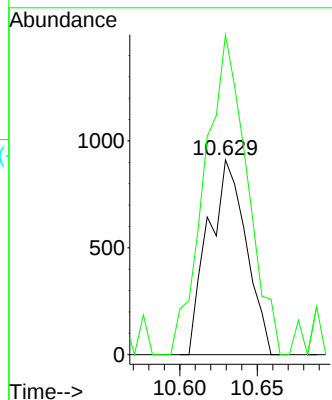
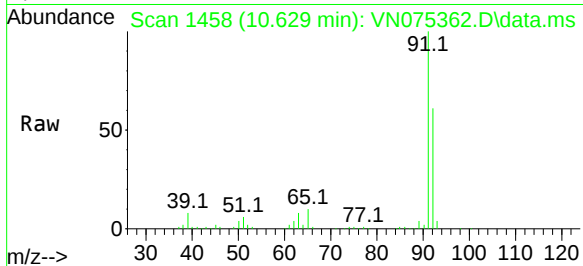




#53
t-1,3-Dichloropropene
Concen: 0.211 ug/l
RT: 10.629 min Scan# 1493
Delta R.T. -0.206 min
Lab File: VN075362.D
Acq: 22 Nov 2022 12:56

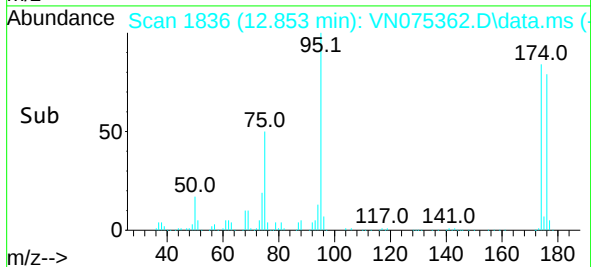
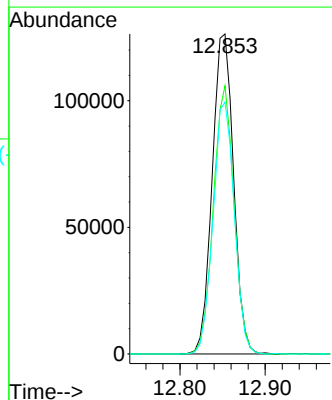
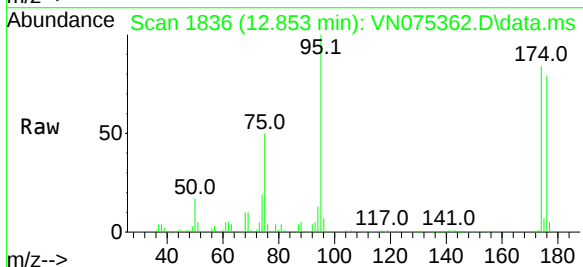
Instrument :
MSVOA_N
ClientSampleId :
102122

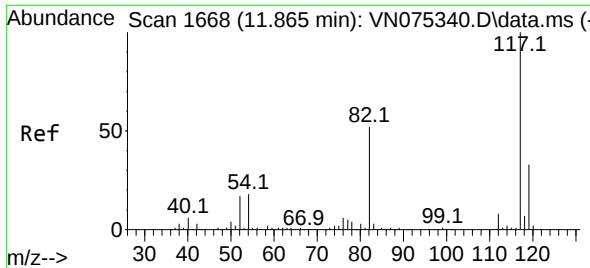
Tgt Ion: 75 Resp: 1549
Ion Ratio Lower Upper
75 100
77 164.3 25.4 38.2#



#62
4-Bromofluorobenzene
Concen: 42.176 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN075362.D
Acq: 22 Nov 2022 12:56

Tgt Ion: 95 Resp: 219490
Ion Ratio Lower Upper
95 100
174 81.5 0.0 147.4
176 78.3 0.0 142.2

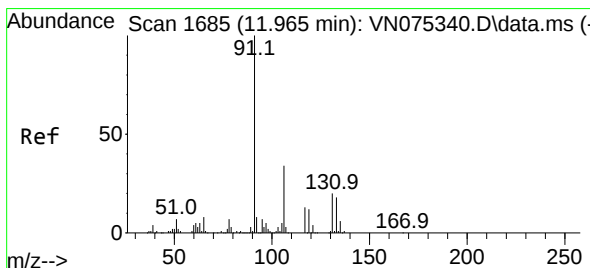
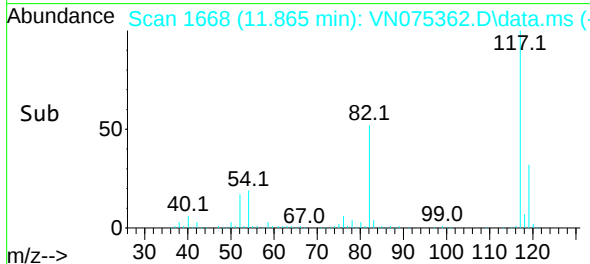
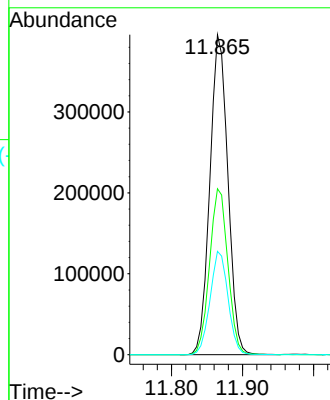
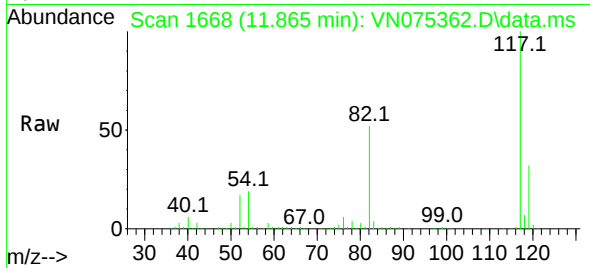




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.000 min
Lab File: VN075362.D
Acq: 22 Nov 2022 12:56

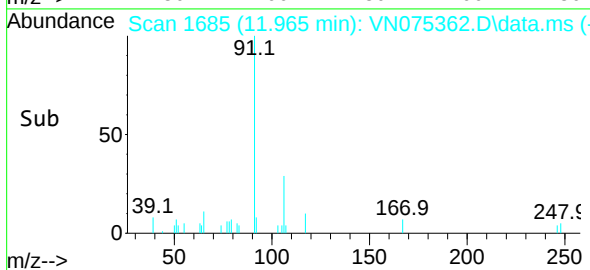
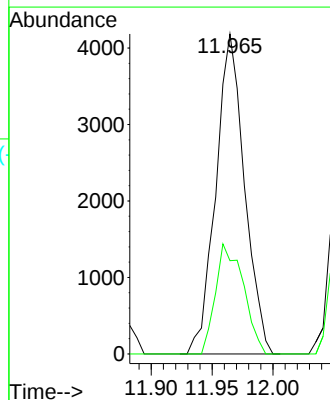
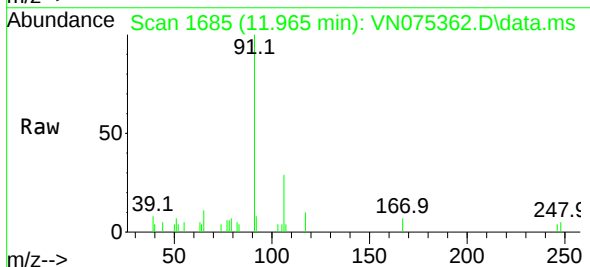
Instrument :
MSVOA_N
ClientSampleId :
102122

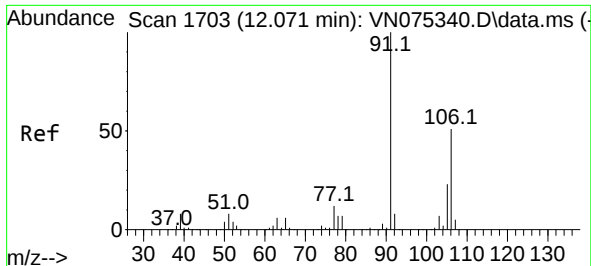
Tgt Ion:117 Resp: 696083
Ion Ratio Lower Upper
117 100
82 51.9 43.1 64.7
119 32.3 25.5 38.3



#67
Ethyl Benzene
Concen: 0.280 ug/l
RT: 11.965 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN075362.D
Acq: 22 Nov 2022 12:56

Tgt Ion: 91 Resp: 6868
Ion Ratio Lower Upper
91 100
106 29.2 24.9 37.3

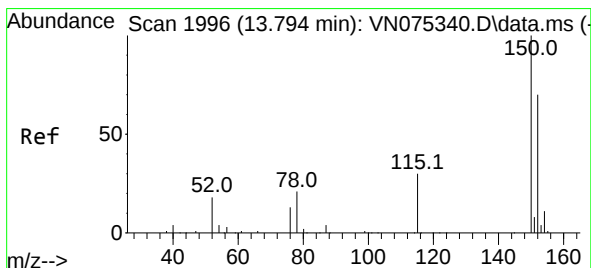
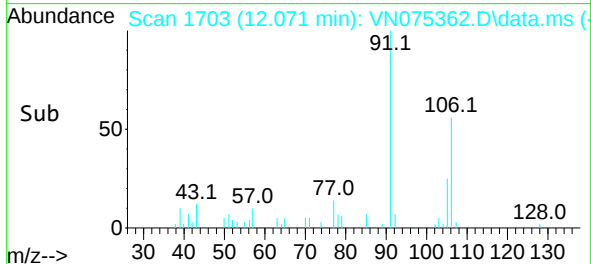
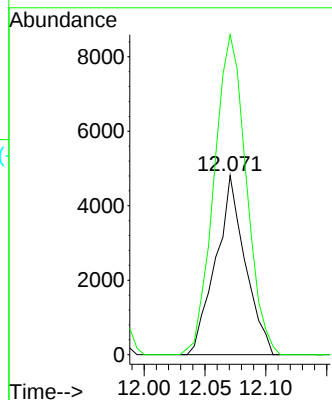
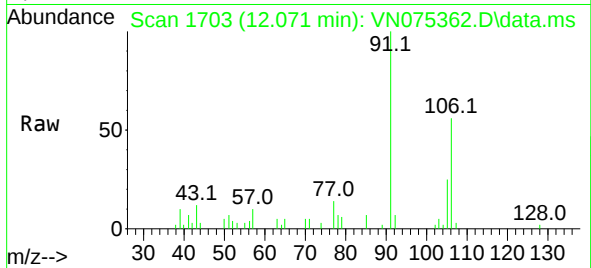




#68
m/p-Xylenes
Concen: 0.813 ug/l
RT: 12.071 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN075362.D
Acq: 22 Nov 2022 12:56

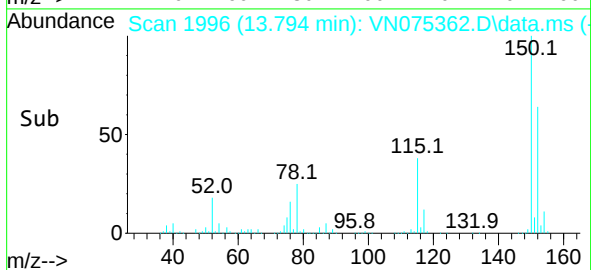
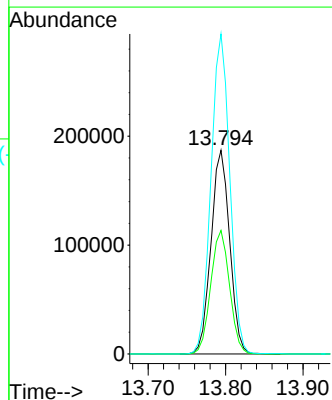
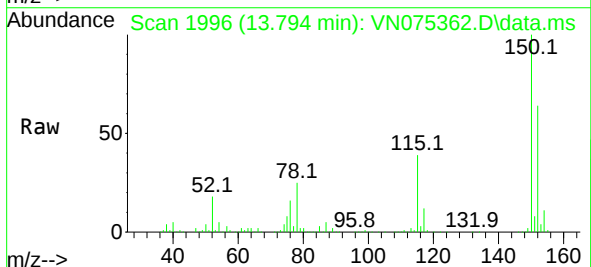
Instrument :
MSVOA_N
ClientSampleId :
102122

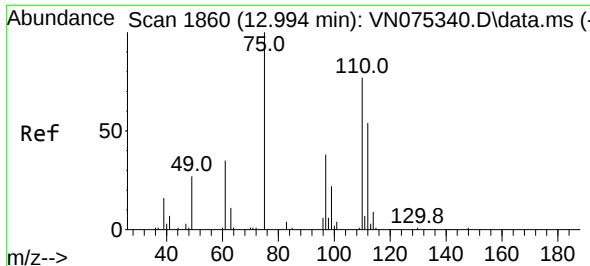
Tgt Ion:106 Resp: 8097
Ion Ratio Lower Upper
106 100
91 195.6 156.0 234.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075362.D
Acq: 22 Nov 2022 12:56

Tgt Ion:152 Resp: 313556
Ion Ratio Lower Upper
152 100
115 61.0 30.2 90.6
150 157.7 0.0 348.4

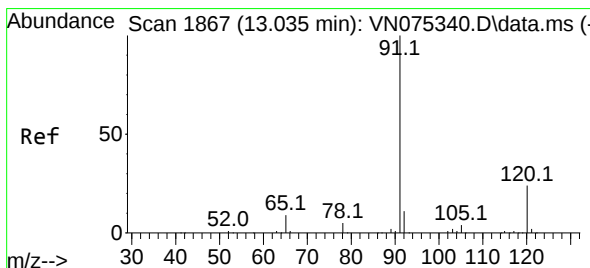
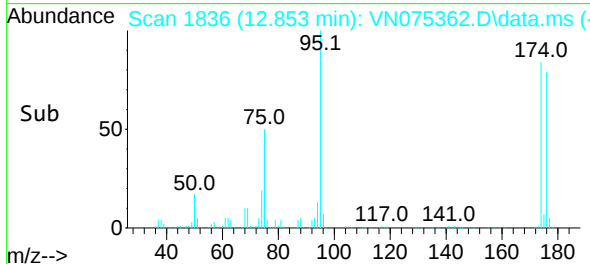
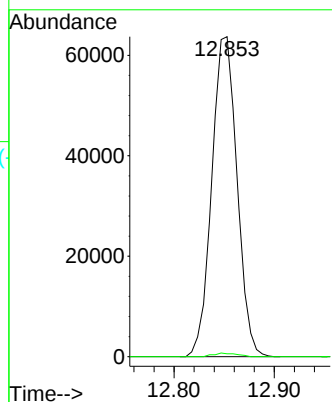
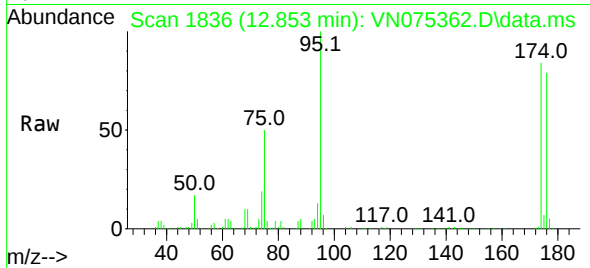




#76
1,2,3-Trichloropropane
Concen: 18.809 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075362.D
Acq: 22 Nov 2022 12:56

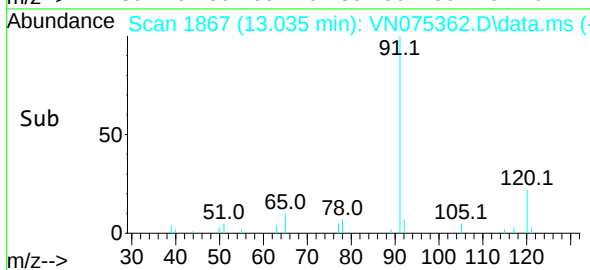
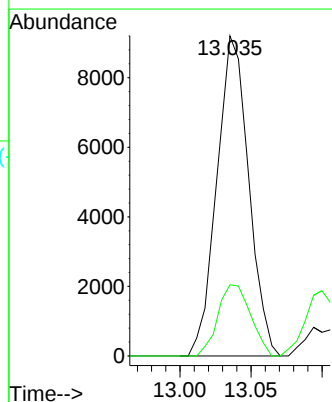
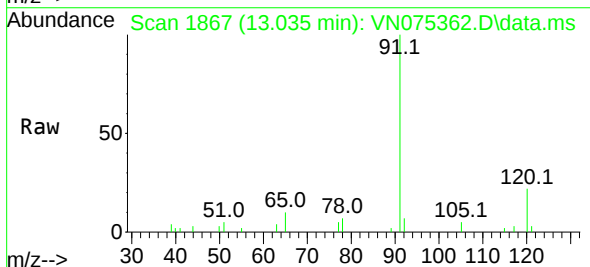
Instrument :
MSVOA_N
ClientSampleId :
102122

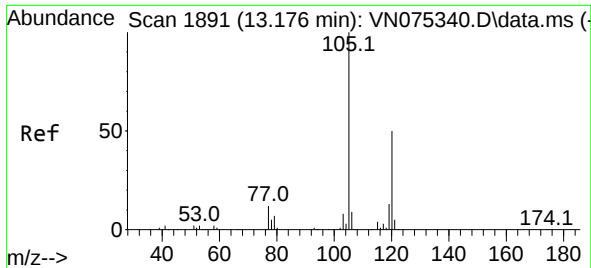
Tgt Ion: 75 Resp: 111512
Ion Ratio Lower Upper
75 100
77 1.0 75.6 226.8#



#78
n-propylbenzene
Concen: 0.561 ug/l
RT: 13.035 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VN075362.D
Acq: 22 Nov 2022 12:56

Tgt Ion: 91 Resp: 14343
Ion Ratio Lower Upper
91 100
120 22.8 11.9 35.5

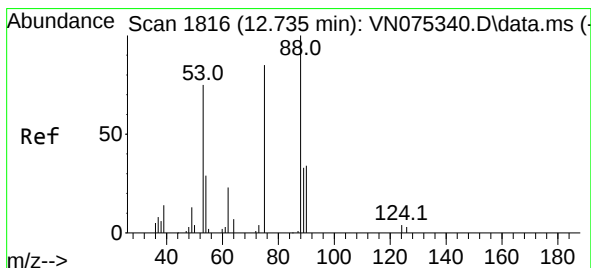
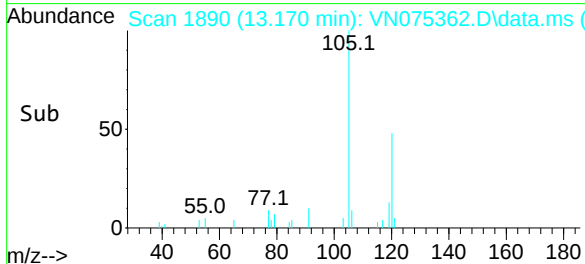
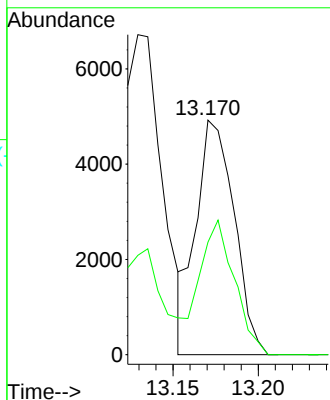
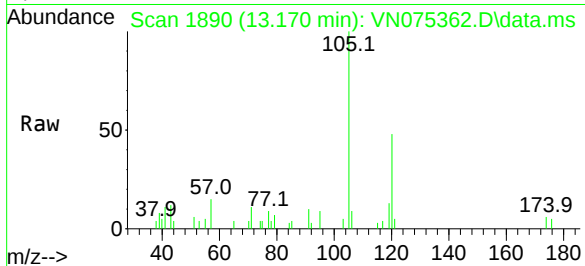




#80
1,3,5-Trimethylbenzene
Concen: 0.403 ug/l
RT: 13.170 min Scan# 1890
Delta R.T. -0.006 min
Lab File: VN075362.D
Acq: 22 Nov 2022 12:56

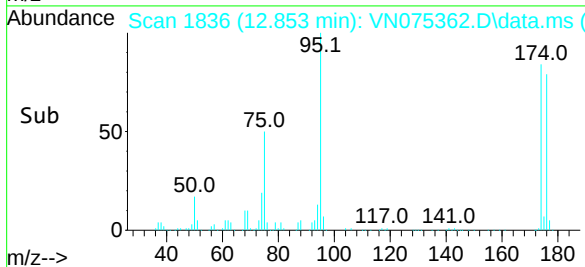
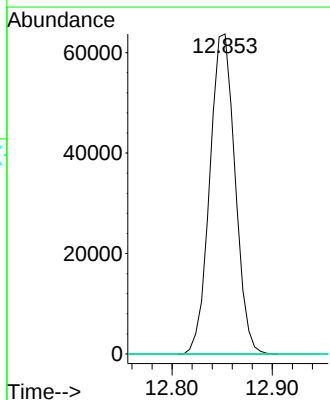
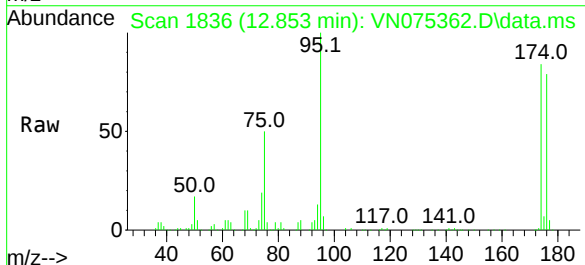
Instrument :
MSVOA_N
ClientSampleId :
102122

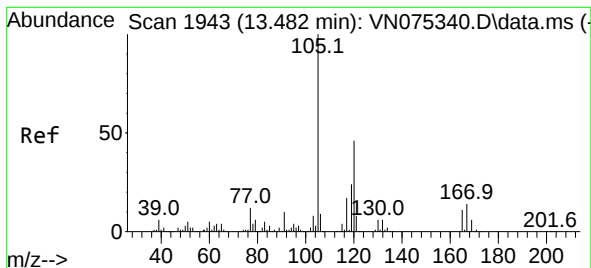
Tgt Ion:105 Resp: 7671
Ion Ratio Lower Upper
105 100
120 50.1 24.7 74.1



#81
trans-1,4-Dichloro-2-butene
Concen: 55.653 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN075362.D
Acq: 22 Nov 2022 12:56

Tgt Ion: 75 Resp: 111512
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#





#84

1,2,4-Trimethylbenzene

Concen: 1.303 ug/l

RT: 13.482 min Scan# 1943

Delta R.T. 0.000 min

Lab File: VN075362.D

Acq: 22 Nov 2022 12:56

Instrument :

MSVOA_N

ClientSampleId :

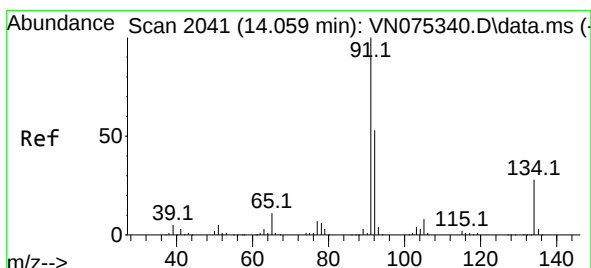
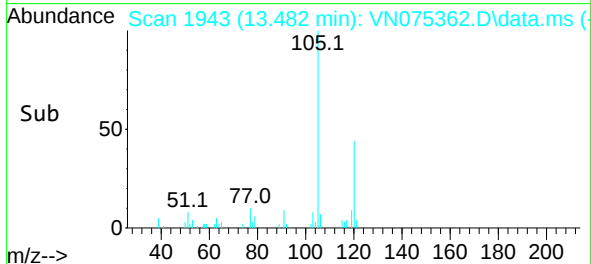
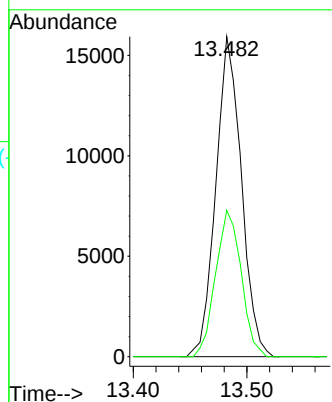
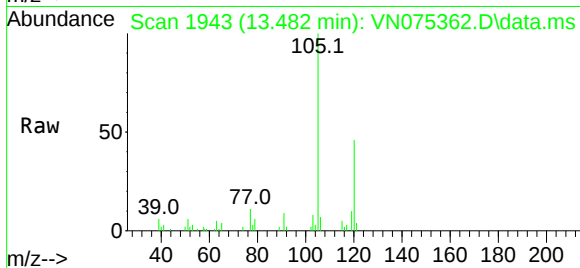
102122

Tgt Ion:105 Resp: 24868

Ion Ratio Lower Upper

105 100

120 45.8 22.7 68.1



#89

n-Butylbenzene

Concen: 0.454 ug/l

RT: 14.059 min Scan# 2041

Delta R.T. -0.000 min

Lab File: VN075362.D

Acq: 22 Nov 2022 12:56

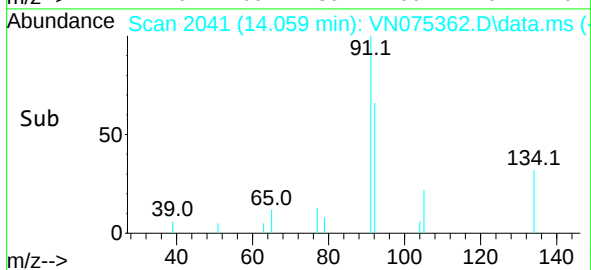
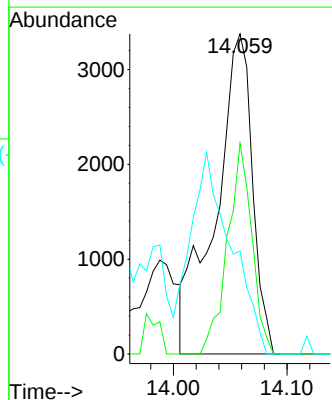
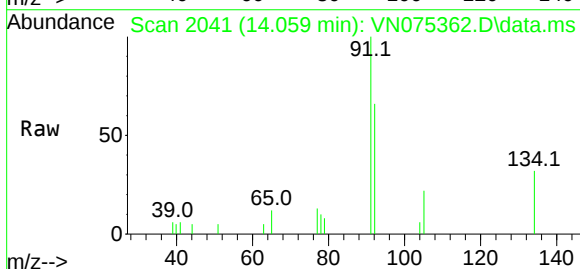
Tgt Ion: 91 Resp: 7594

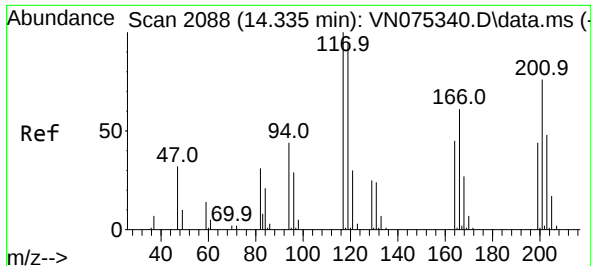
Ion Ratio Lower Upper

91 100

92 43.6 26.5 79.4

134 0.0 13.0 39.0#

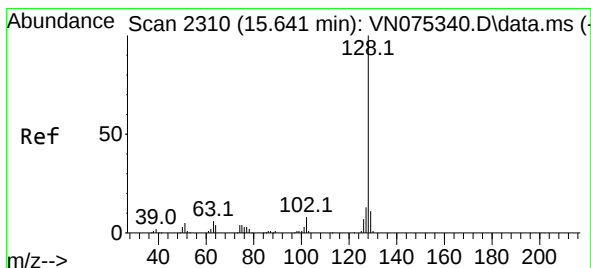
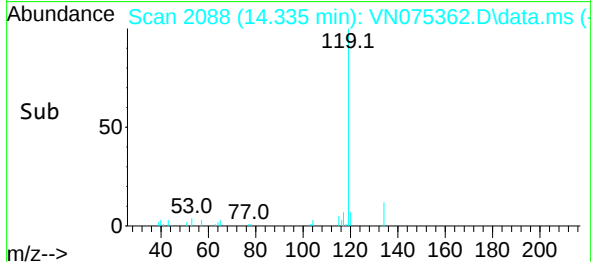
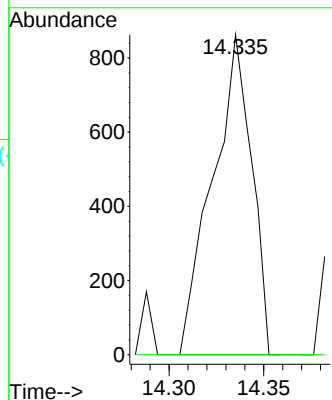
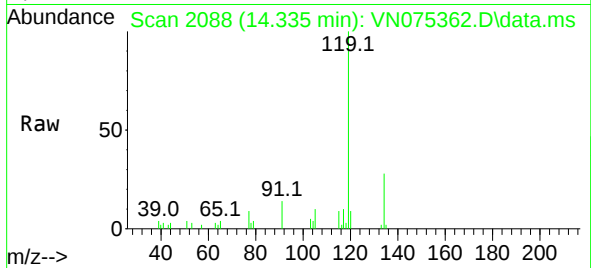




#90
Hexachloroethane
Concen: 0.362 ug/l
RT: 14.335 min Scan# 2088
Delta R.T. 0.000 min
Lab File: VN075362.D
Acq: 22 Nov 2022 12:56

Instrument :
MSVOA_N
ClientSampleId :
102122

Tgt Ion:117 Resp: 1236
Ion Ratio Lower Upper
117 100
201 0.0 31.5 94.5#



#95
Naphthalene
Concen: 0.405 ug/l
RT: 15.647 min Scan# 2311
Delta R.T. 0.006 min
Lab File: VN075362.D
Acq: 22 Nov 2022 12:56

Tgt Ion:128 Resp: 6816
Ion Ratio Lower Upper
128 100
127 10.6 10.4 15.6
129 7.5 8.6 12.8#

