

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112222\
 Data File : VN075368.D
 Acq On : 22 Nov 2022 15:20
 Operator : JC\MD
 Sample : PB149226TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB149226TB

Quant Time: Nov 23 07:10:05 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)

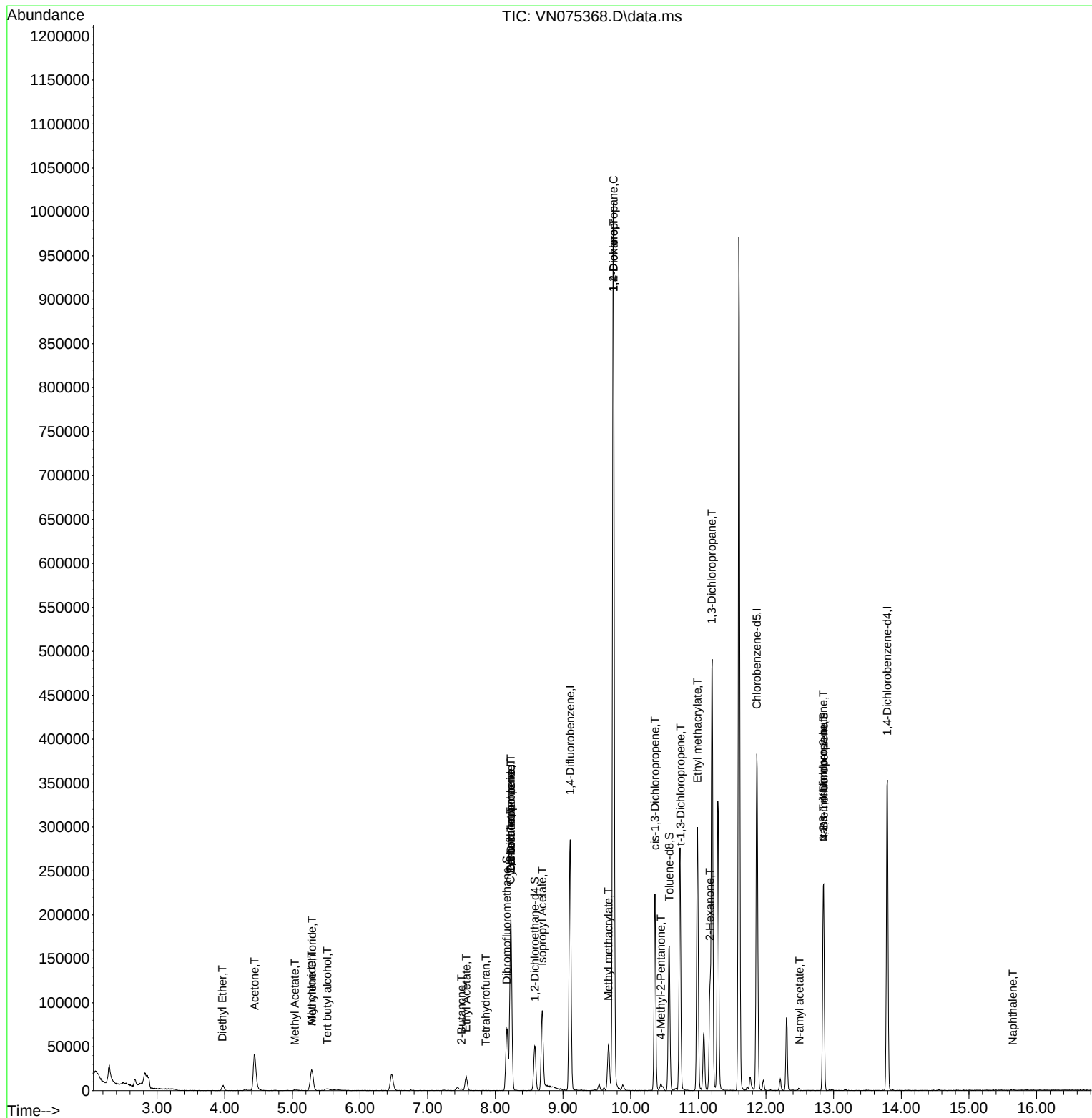
Internal Standards						
1) Pentafluorobenzene	8.230	168	147402	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	264448	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	240320	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	103080	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	41923	52.984	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.960%			
35) Dibromofluoromethane	8.171	113	50842	48.941	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.880%			
50) Toluene-d8	10.571	98	119837	51.218	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.440%			
62) 4-Bromofluorobenzene	12.853	95	84113	48.705	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.400%			
Target Compounds						Qvalue
8) Diethyl Ether	3.965	74	4039	4.564	ug/l	97
11) Tert butyl alcohol	5.518	59	1277	3.845	ug/l #	72
14) Allyl chloride	5.283	41	373	0.211	ug/l #	19
16) Acetone	4.442	43	76175	103.214	ug/l	98
18) Methyl Acetate	5.036	43	3134	0.400	ug/l #	56
20) Methylene Chloride	5.289	84	20315	12.618	ug/l	94
25) 2-Butanone	7.500	43	3041	2.951	ug/l	96
29) Tetrahydrofuran	7.859	42	131	0.209	ug/l #	26
31) Cyclohexane	8.224	56	2862	1.138	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	10950	4.833	ug/l #	50
37) Ethyl Acetate	7.571	43	22903	11.228	ug/l	99
38) Carbon Tetrachloride	8.230	117	14823	5.956	ug/l #	17
43) Isopropyl Acetate	8.694	43	103536	31.621	ug/l #	92
45) 1,2-Dichloropropane	9.747	63	1353	0.819	ug/l #	42
48) Methyl methacrylate	9.671	41	2783	1.838	ug/l #	36
49) 1,4-Dioxane	9.747	88	56	1.303	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	4557	2.185	ug/l	99
53) t-1,3-Dichloropropene	10.735	75	656	0.270	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	43758	16.576	ug/l #	62
56) Ethyl methacrylate	10.988	69	904	0.368	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5678	1.913	ug/l #	42
59) 2-Hexanone	11.171	43	88570	56.559	ug/l #	21
74) N-amyl acetate	12.494	43	1235	0.533	ug/l #	38
76) 1,2,3-Trichloropropane	12.847	75	41603	21.346	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	41603	63.158	ug/l #	10
95) Naphthalene	15.647	128	1647	0.298	ug/l #	74

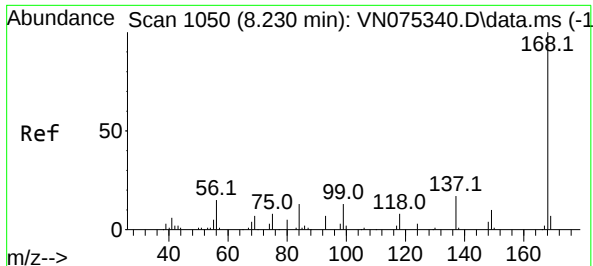
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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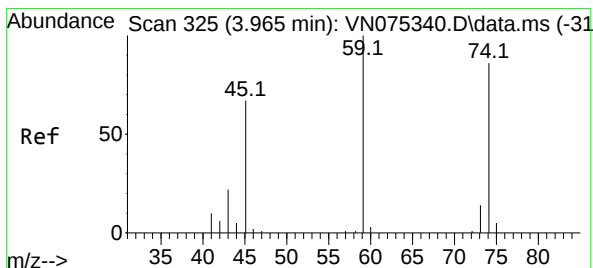
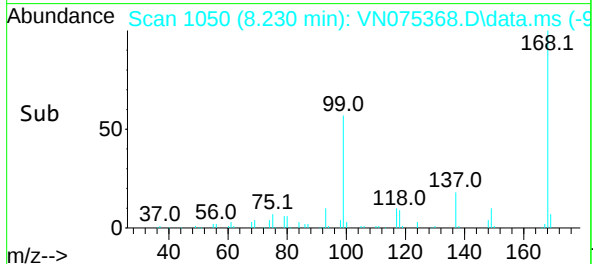
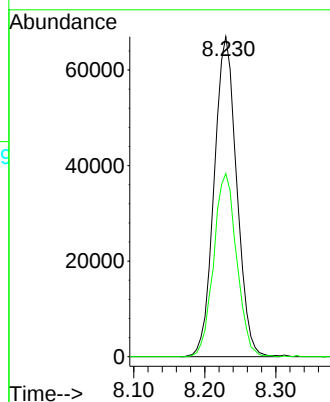
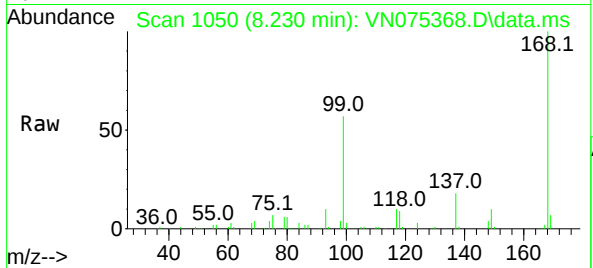




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN075368.D
Acq: 22 Nov 2022 15:20

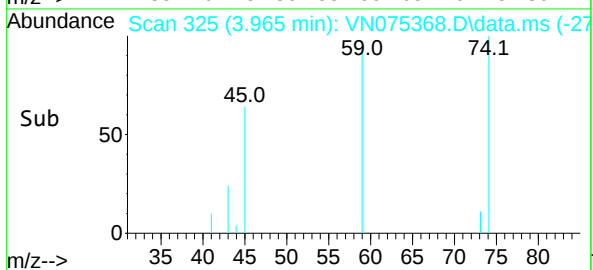
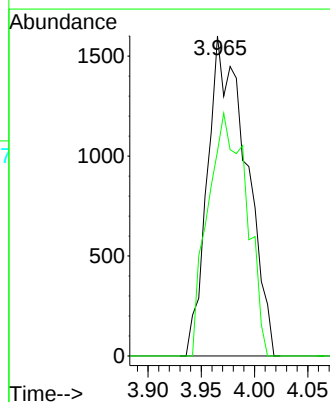
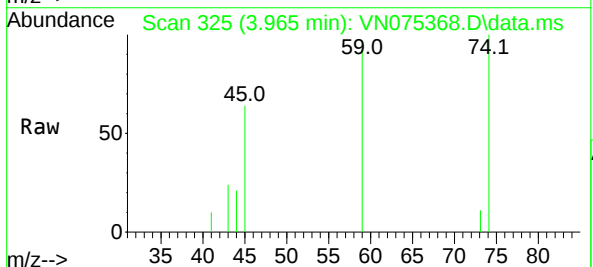
Instrument :
MSVOA_N
ClientSampleId :
PB149226TB

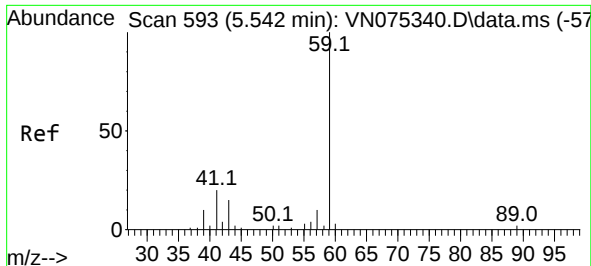
Tgt Ion:168 Resp: 147402
Ion Ratio Lower Upper
168 100
99 57.2 51.6 77.4



#8
Diethyl Ether
Concen: 4.564 ug/l
RT: 3.965 min Scan# 325
Delta R.T. 0.000 min
Lab File: VN075368.D
Acq: 22 Nov 2022 15:20

Tgt Ion: 74 Resp: 4039
Ion Ratio Lower Upper
74 100
45 75.8 39.3 117.9

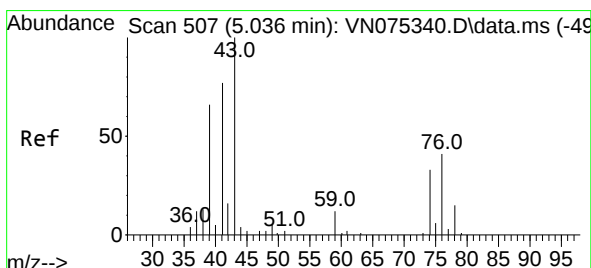
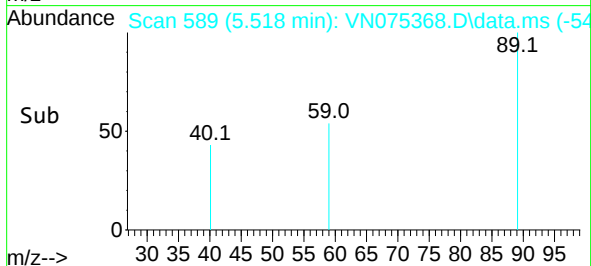
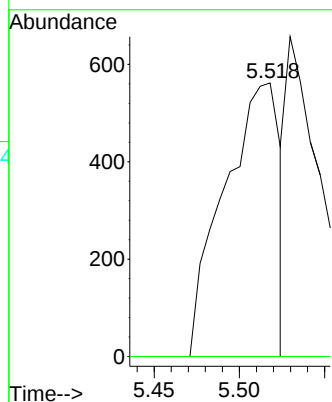
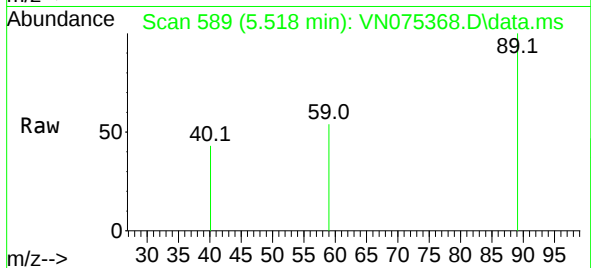




#11
Tert butyl alcohol
Concen: 3.845 ug/l
RT: 5.518 min Scan# 51
Delta R.T. -0.024 min
Lab File: VN075368.D
Acq: 22 Nov 2022 15:20

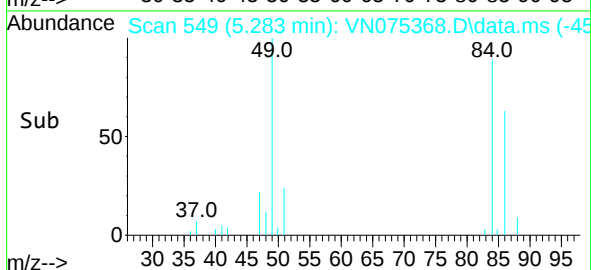
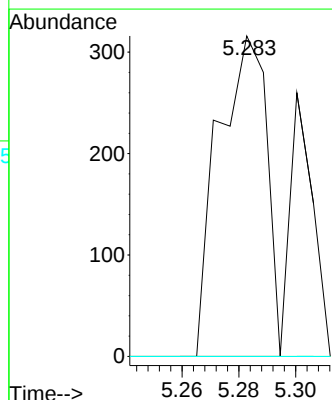
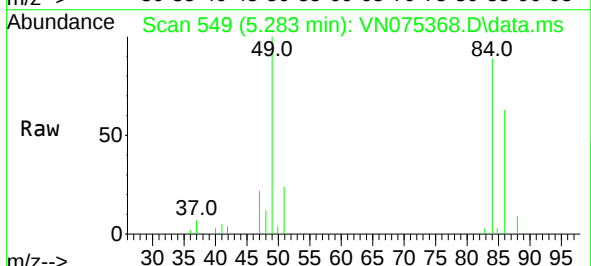
Instrument :
MSVOA_N
ClientSampleId :
PB149226TB

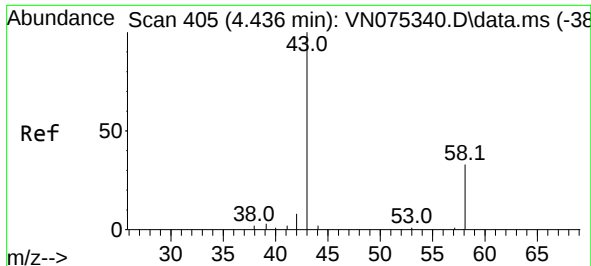
Tgt Ion: 59 Resp: 1277
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#14
Allyl chloride
Concen: 0.211 ug/l
RT: 5.283 min Scan# 549
Delta R.T. 0.247 min
Lab File: VN075368.D
Acq: 22 Nov 2022 15:20

Tgt Ion: 41 Resp: 373
Ion Ratio Lower Upper
41 100
39 0.0 61.0 91.4#
76 0.0 33.4 50.0#

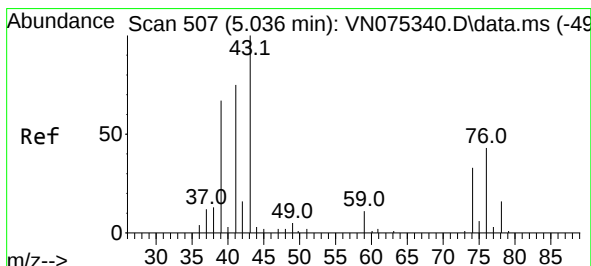
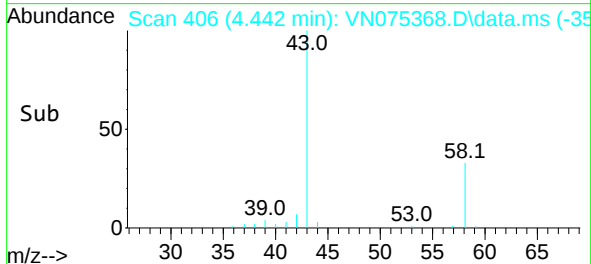
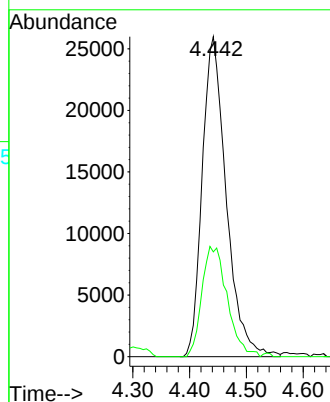
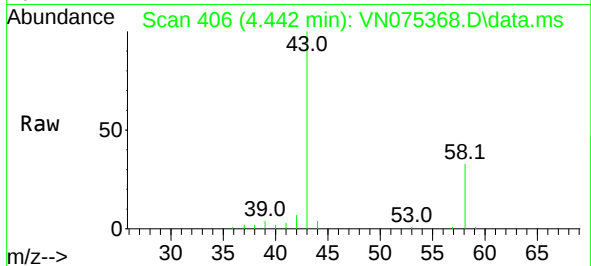




#16
Acetone
Concen: 103.214 ug/l
RT: 4.442 min Scan# 405
Delta R.T. 0.006 min
Lab File: VN075368.D
Acq: 22 Nov 2022 15:20

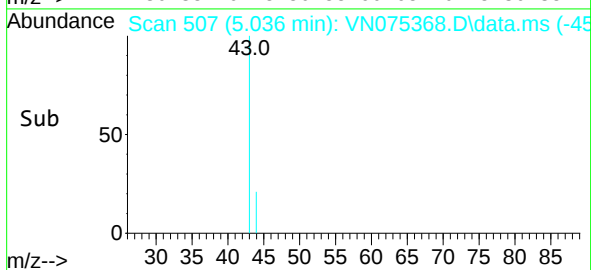
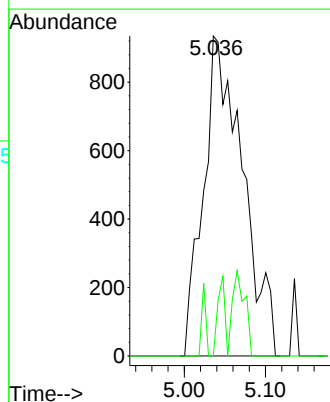
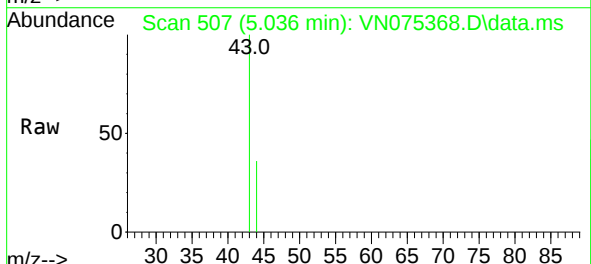
Instrument :
MSVOA_N
ClientSampleId :
PB149226TB

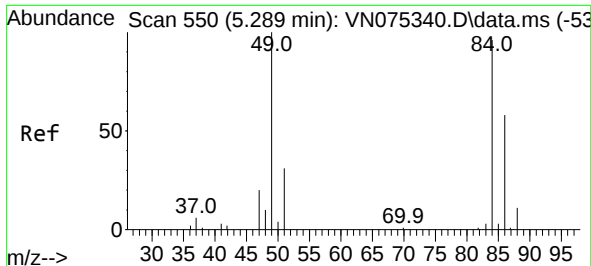
Tgt Ion: 43 Resp: 76175
Ion Ratio Lower Upper
43 100
58 32.8 25.5 38.3



#18
Methyl Acetate
Concen: 0.400 ug/l
RT: 5.036 min Scan# 507
Delta R.T. -0.000 min
Lab File: VN075368.D
Acq: 22 Nov 2022 15:20

Tgt Ion: 43 Resp: 3134
Ion Ratio Lower Upper
43 100
74 4.5 22.0 33.0#





#20

Methylene Chloride

Concen: 12.618 ug/l

RT: 5.289 min Scan# 51

Delta R.T. -0.000 min

Lab File: VN075368.D

Acq: 22 Nov 2022 15:20

Instrument :

MSVOA_N

ClientSampleId :

PB149226TB

Tgt Ion: 84 Resp: 20315

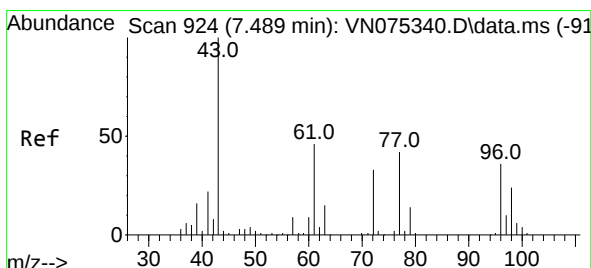
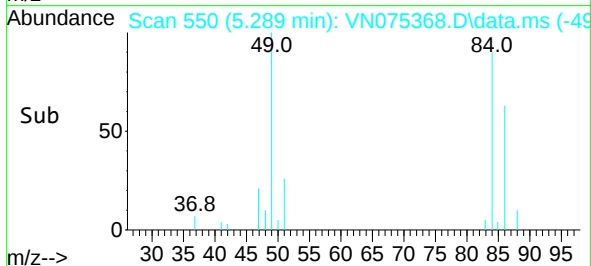
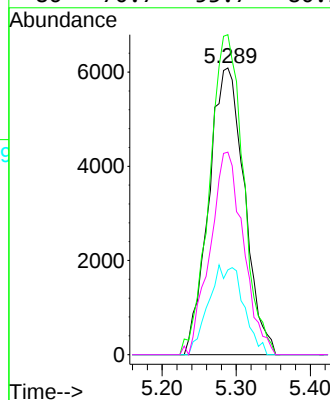
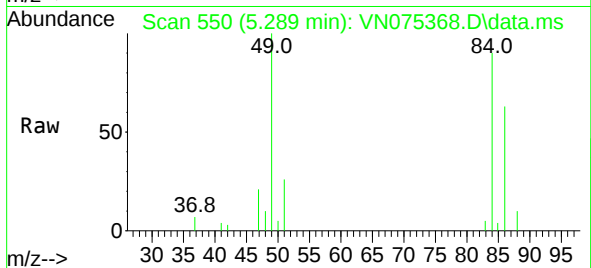
Ion Ratio Lower Upper

84 100

49 111.6 94.9 142.3

51 29.6 26.8 40.2

86 70.7 53.7 80.5



#25

2-Butanone

Concen: 2.951 ug/l

RT: 7.500 min Scan# 926

Delta R.T. 0.011 min

Lab File: VN075368.D

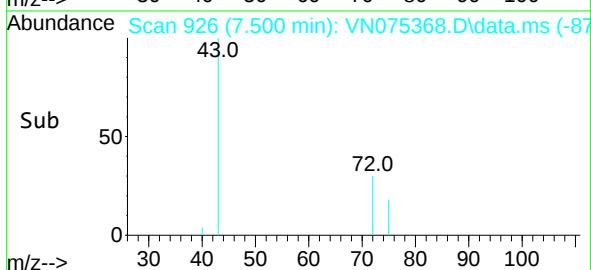
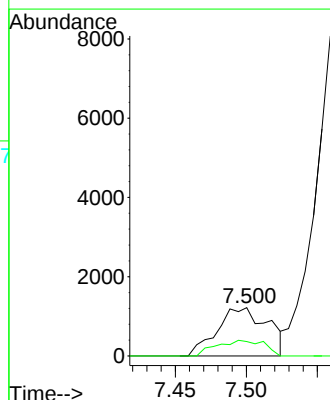
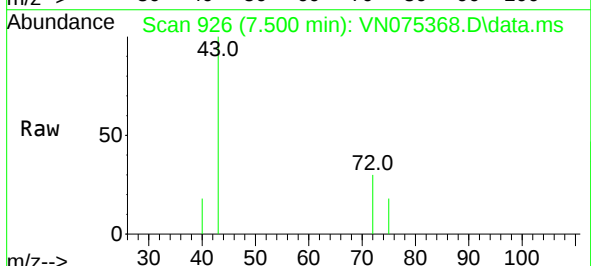
Acq: 22 Nov 2022 15:20

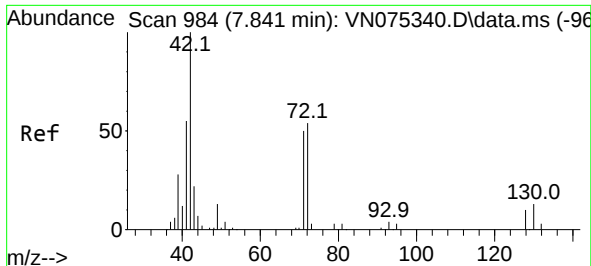
Tgt Ion: 43 Resp: 3041

Ion Ratio Lower Upper

43 100

72 29.9 25.5 38.3





#29

Tetrahydrofuran

Concen: 0.209 ug/l

RT: 7.859 min Scan# 91

Delta R.T. 0.018 min

Lab File: VN075368.D

Acq: 22 Nov 2022 15:20

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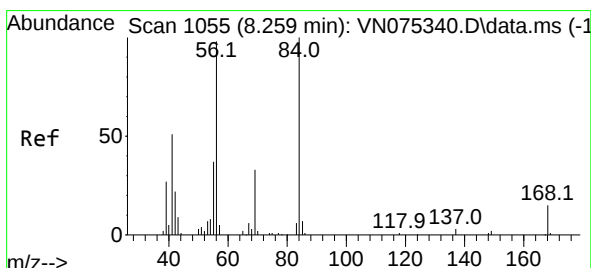
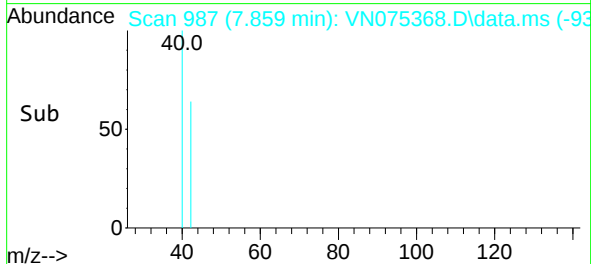
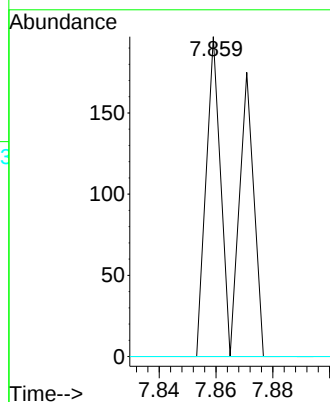
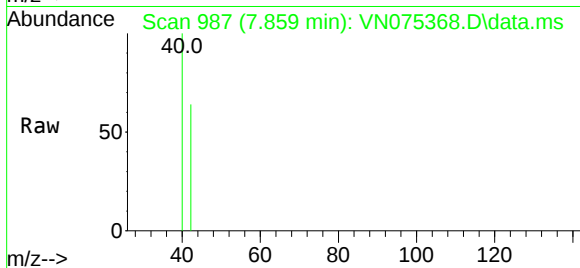
Tgt Ion: 42 Resp: 131

Ion Ratio Lower Upper

42 100

72 0.0 43.0 64.6#

71 0.0 39.9 59.9#



#31

Cyclohexane

Concen: 1.138 ug/l

RT: 8.224 min Scan# 1049

Delta R.T. -0.035 min

Lab File: VN075368.D

Acq: 22 Nov 2022 15:20

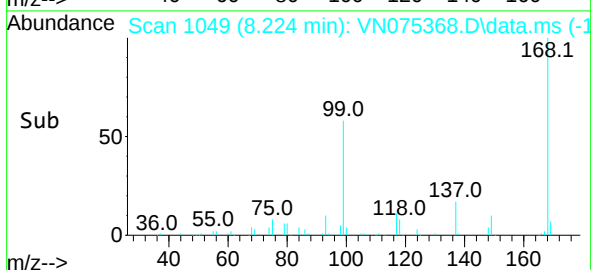
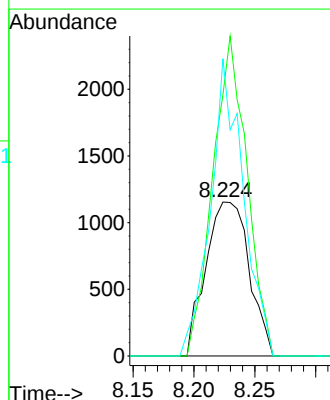
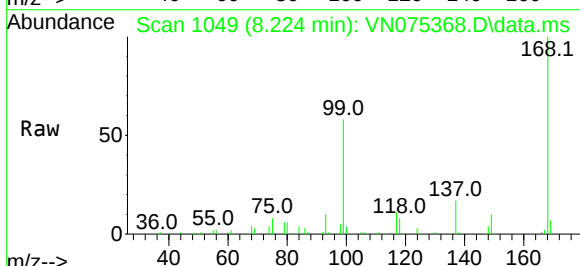
Tgt Ion: 56 Resp: 2862

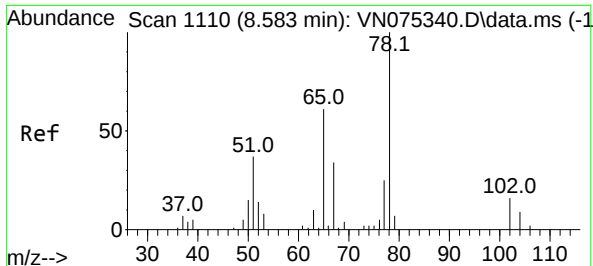
Ion Ratio Lower Upper

56 100

69 169.6 25.2 37.8#

84 193.2 77.8 116.8#





#33

1,2-Dichloroethane-d4

Concen: 52.984 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. -0.000 min

Lab File: VN075368.D

Acq: 22 Nov 2022 15:20

Instrument :

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ClientSampleId :

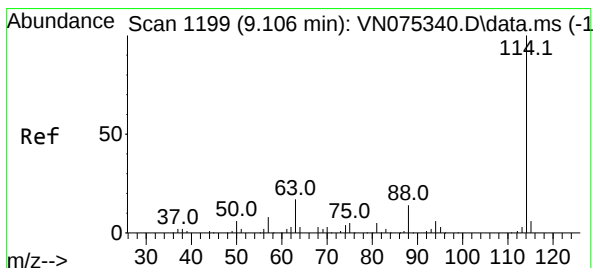
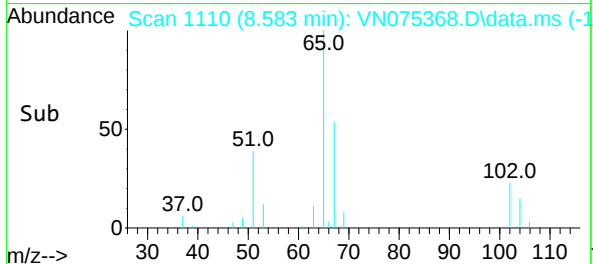
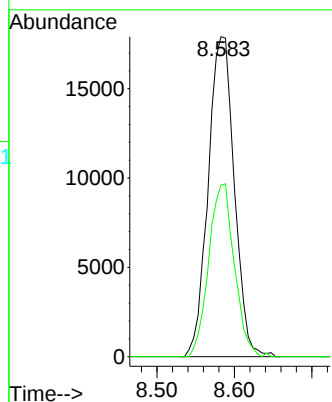
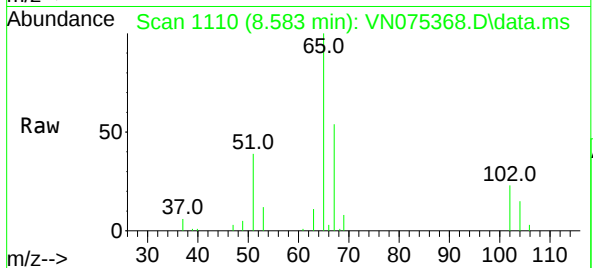
PB149226TB

Tgt Ion: 65 Resp: 41923

Ion Ratio Lower Upper

65 100

67 52.7 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN075368.D

Acq: 22 Nov 2022 15:20

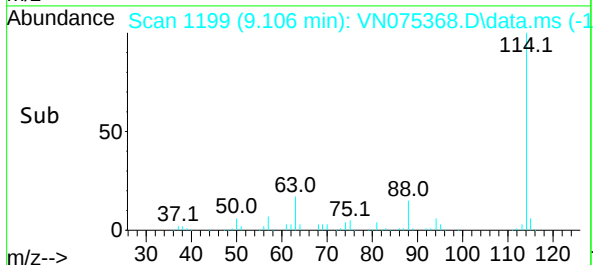
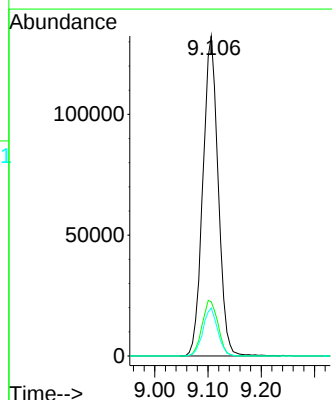
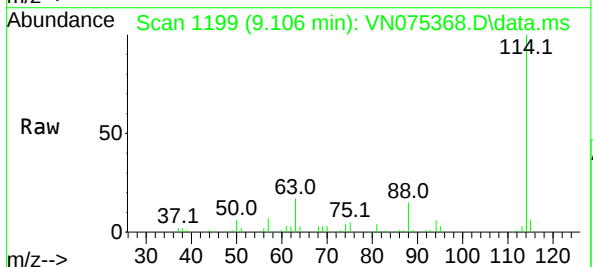
Tgt Ion: 114 Resp: 264448

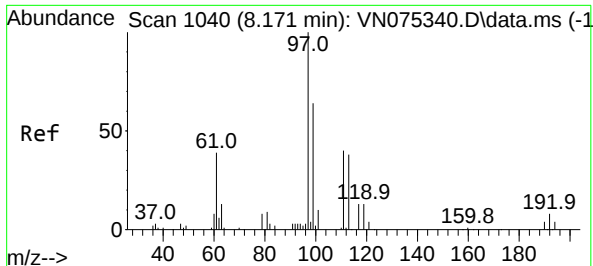
Ion Ratio Lower Upper

114 100

63 17.0 0.0 39.6

88 15.0 0.0 29.0





#35

Dibromofluoromethane

Concen: 48.941 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075368.D

Acq: 22 Nov 2022 15:20

Instrument :

MSVOA_N

ClientSampleId :

PB149226TB

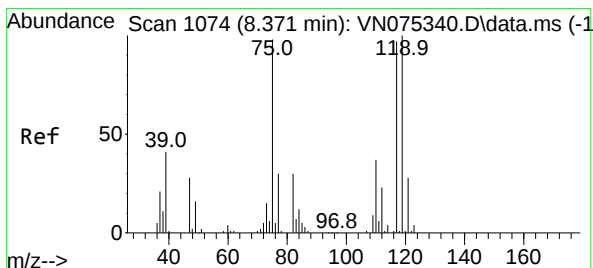
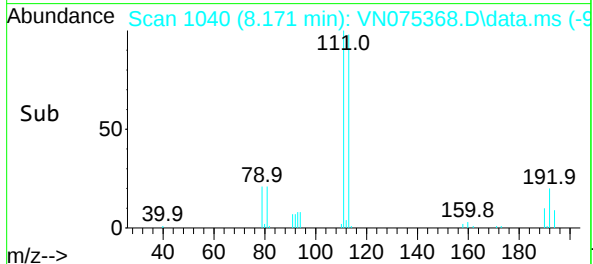
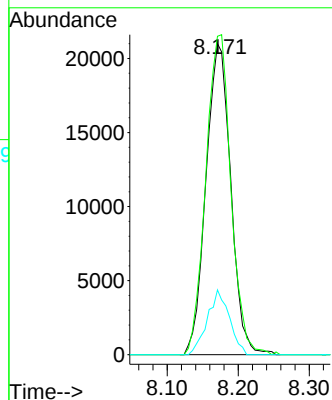
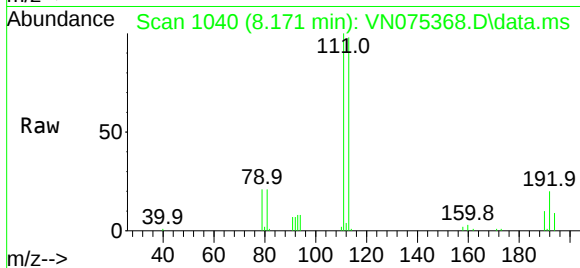
Tgt Ion:113 Resp: 50842

Ion Ratio Lower Upper

113 100

111 104.3 80.5 120.7

192 18.5 13.2 19.8



#36

1,1-Dichloropropene

Concen: 4.833 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.141 min

Lab File: VN075368.D

Acq: 22 Nov 2022 15:20

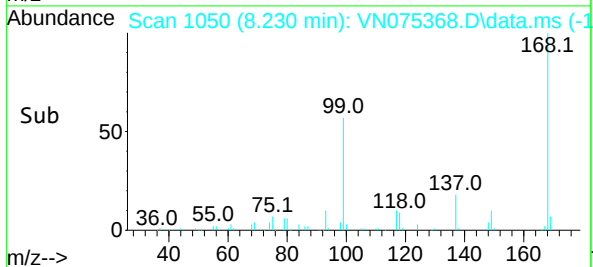
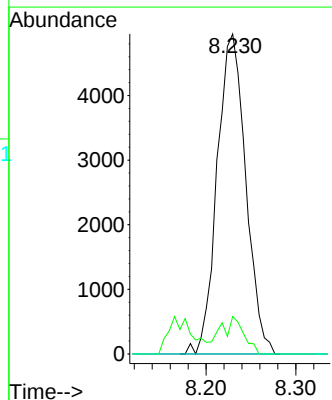
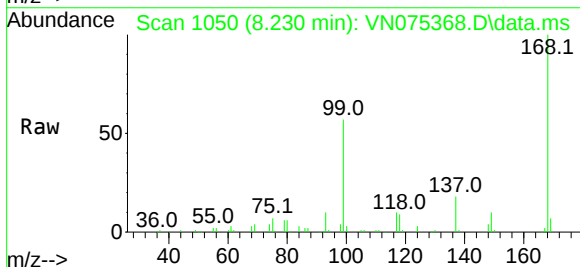
Tgt Ion: 75 Resp: 10950

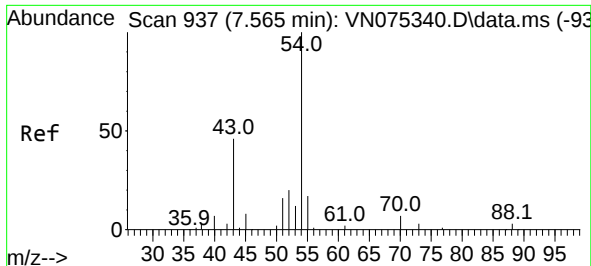
Ion Ratio Lower Upper

75 100

110 9.7 17.8 53.3#

77 0.0 24.6 37.0#

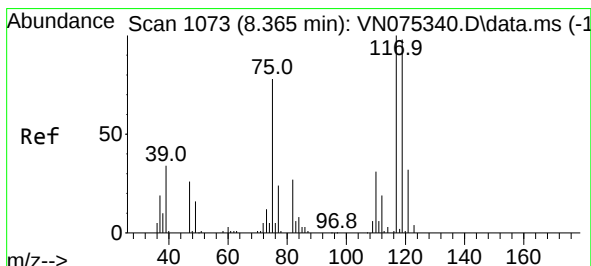
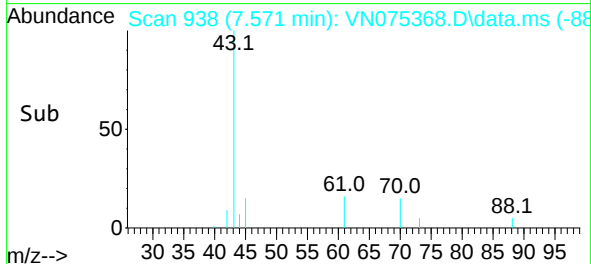
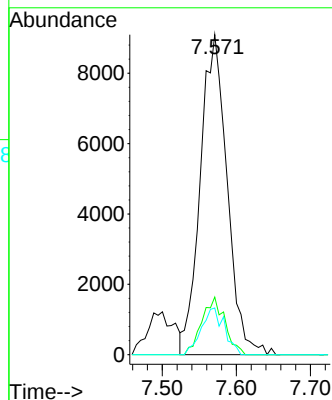
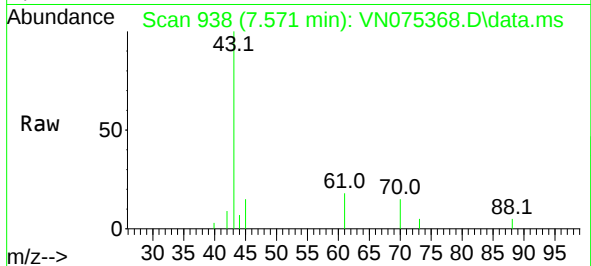




#37
Ethyl Acetate
Concen: 11.228 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN075368.D
Acq: 22 Nov 2022 15:20

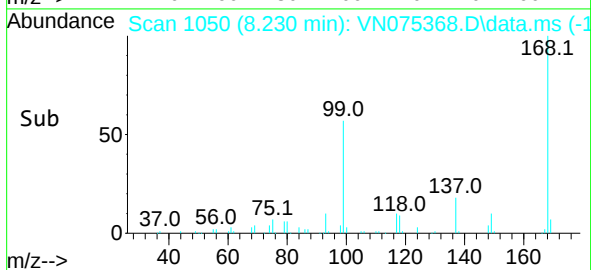
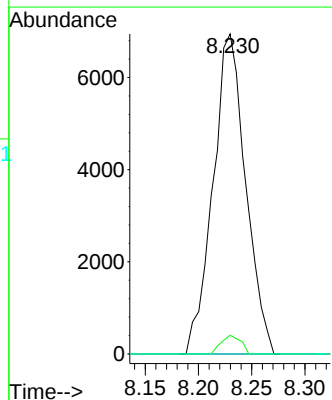
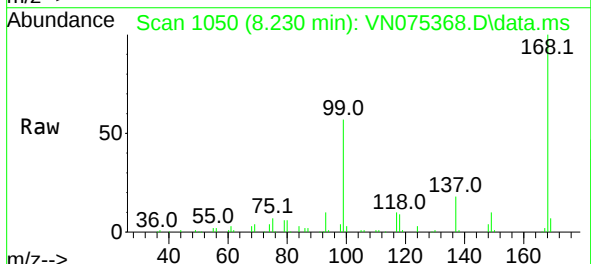
Instrument :
MSVOA_N
ClientSampleId :
PB149226TB

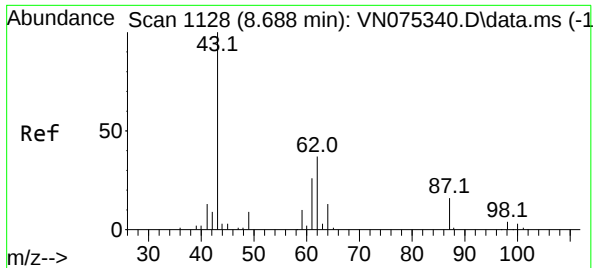
Tgt Ion: 43 Resp: 22903
Ion Ratio Lower Upper
43 100
61 15.4 12.2 18.4
70 12.5 9.4 14.2



#38
Carbon Tetrachloride
Concen: 5.956 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN075368.D
Acq: 22 Nov 2022 15:20

Tgt Ion: 117 Resp: 14823
Ion Ratio Lower Upper
117 100
119 5.8 76.7 115.1#
121 0.0 23.9 35.9#

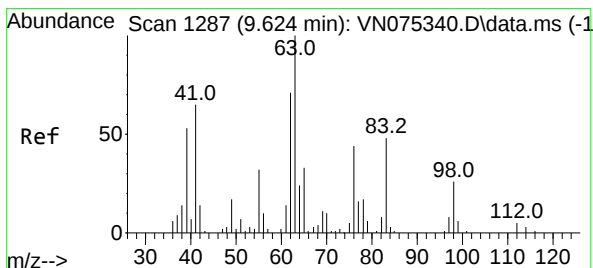
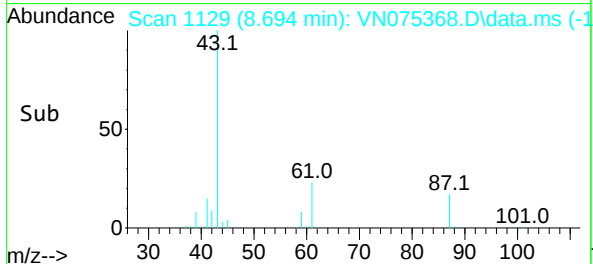
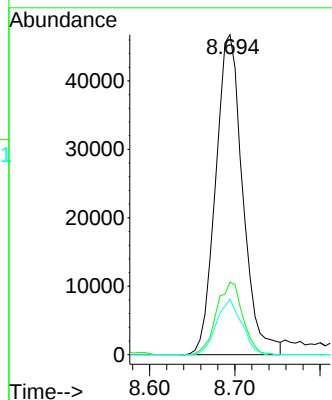
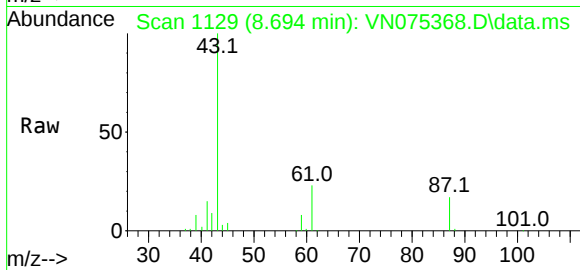




#43
Isopropyl Acetate
Concen: 31.621 ug/l
RT: 8.694 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN075368.D
Acq: 22 Nov 2022 15:20

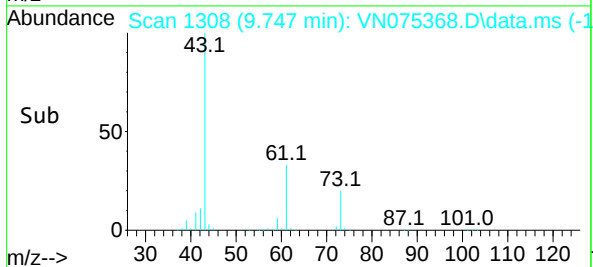
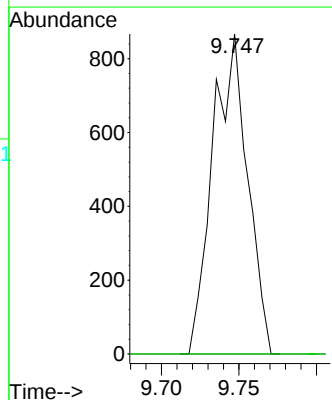
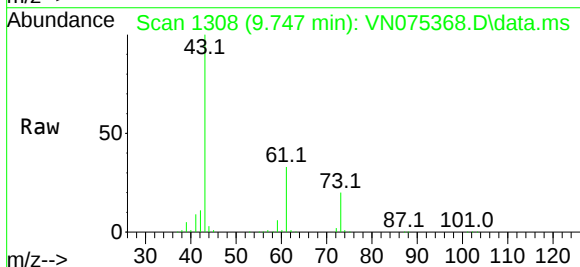
Instrument :
MSVOA_N
ClientSampleId :
PB149226TB

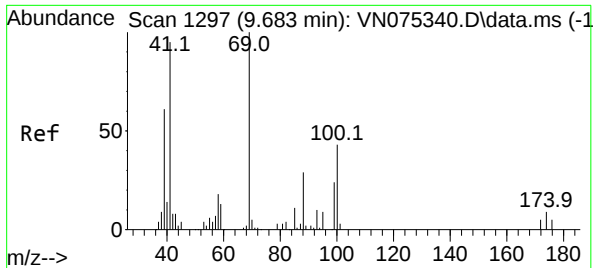
Tgt Ion: 43 Resp: 103536
Ion Ratio Lower Upper
43 100
61 22.0 22.4 33.6#
87 16.1 12.5 18.7



#45
1,2-Dichloropropane
Concen: 0.819 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.123 min
Lab File: VN075368.D
Acq: 22 Nov 2022 15:20

Tgt Ion: 63 Resp: 1353
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#

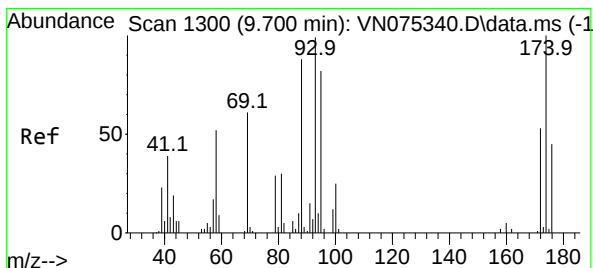
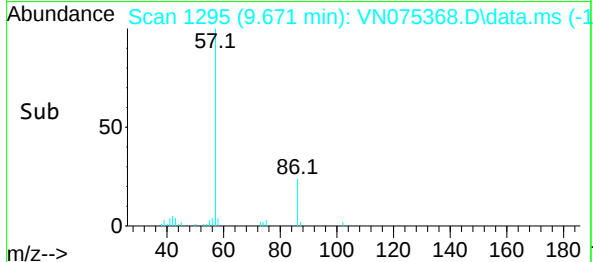
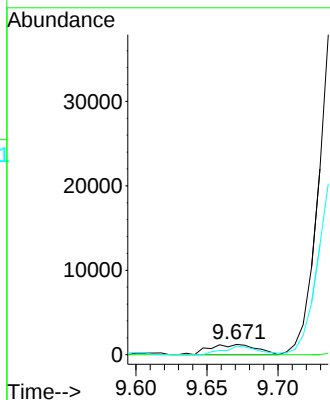
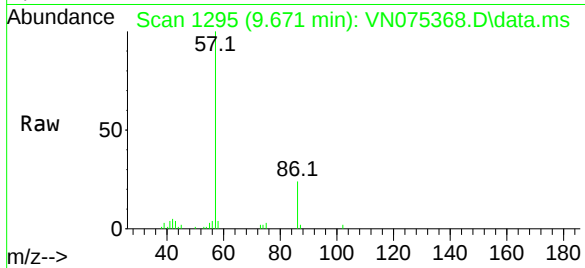




#48
Methyl methacrylate
Concen: 1.838 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN075368.D
Acq: 22 Nov 2022 15:20

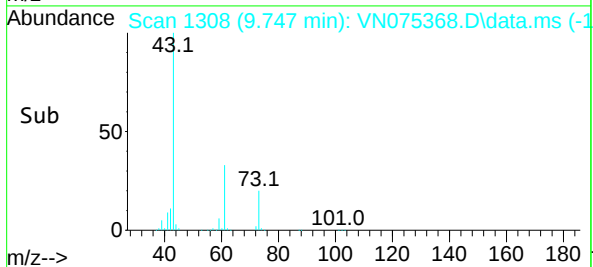
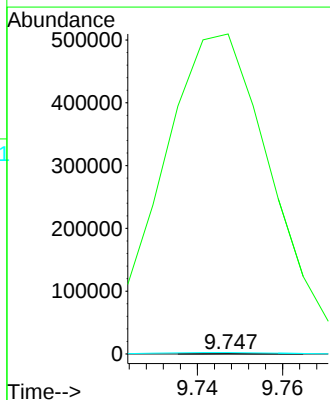
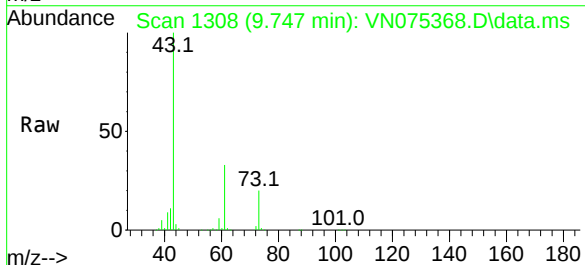
Instrument :
MSVOA_N
ClientSampleId :
PB149226TB

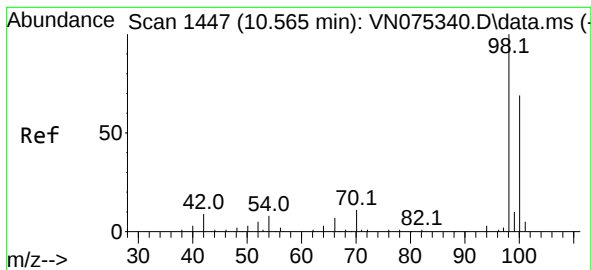
Tgt Ion: 41 Resp: 2783
Ion Ratio Lower Upper
41 100
69 0.0 80.2 120.2#
39 60.4 56.2 84.2



#49
1,4-Dioxane
Concen: 1.303 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.047 min
Lab File: VN075368.D
Acq: 22 Nov 2022 15:20

Tgt Ion: 88 Resp: 56
Ion Ratio Lower Upper
88 100
43 1678498.2 17.5 26.3#
58 7939.3 49.8 74.8#





#50

Toluene-d8

Concen: 51.218 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. 0.006 min

Lab File: VN075368.D

Acq: 22 Nov 2022 15:20

Instrument :

MSVOA_N

ClientSampleId :

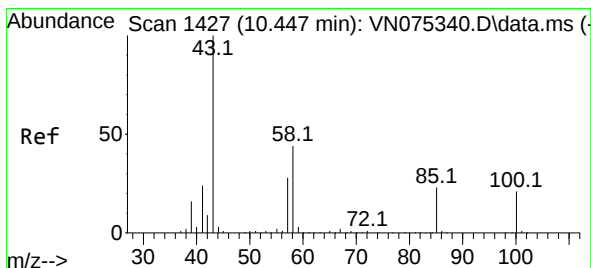
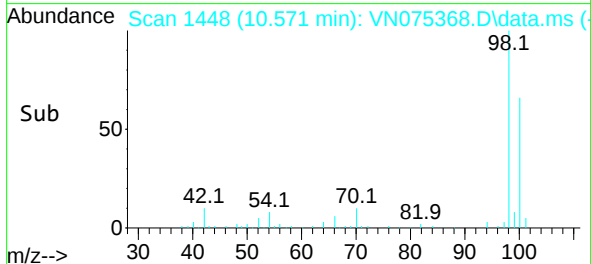
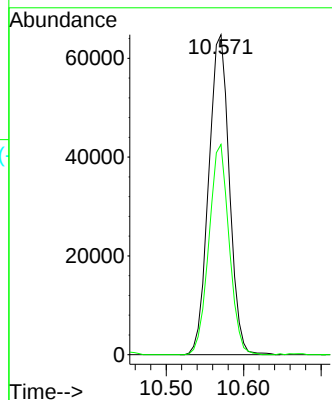
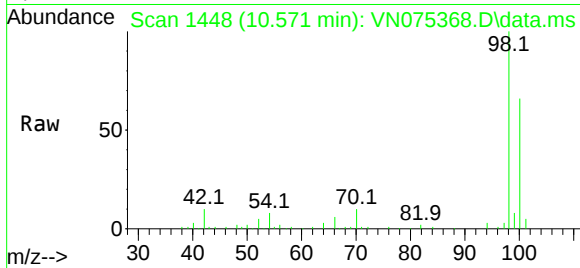
PB149226TB

Tgt Ion: 98 Resp: 119837

Ion Ratio Lower Upper

98 100

100 64.3 53.0 79.6



#51

4-Methyl-2-Pentanone

Concen: 2.185 ug/l

RT: 10.447 min Scan# 1427

Delta R.T. 0.000 min

Lab File: VN075368.D

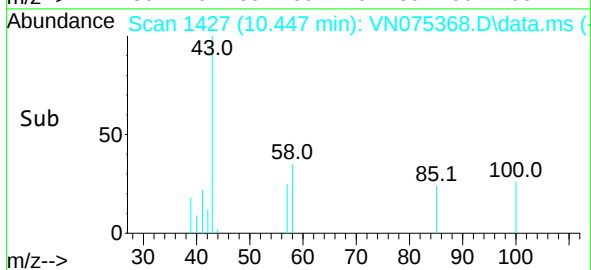
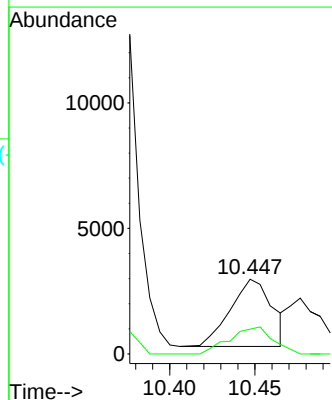
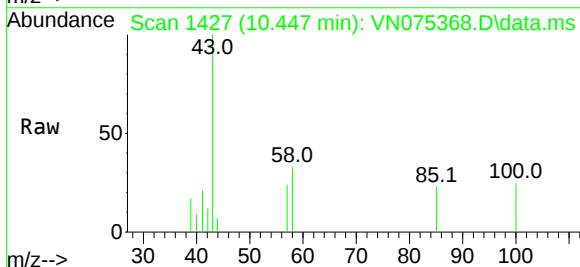
Acq: 22 Nov 2022 15:20

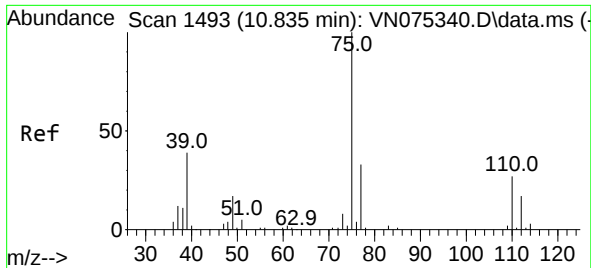
Tgt Ion: 43 Resp: 4557

Ion Ratio Lower Upper

43 100

58 41.5 33.6 50.4

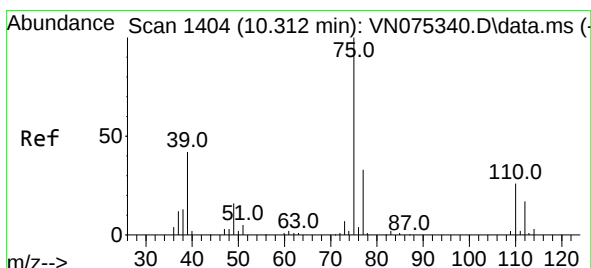
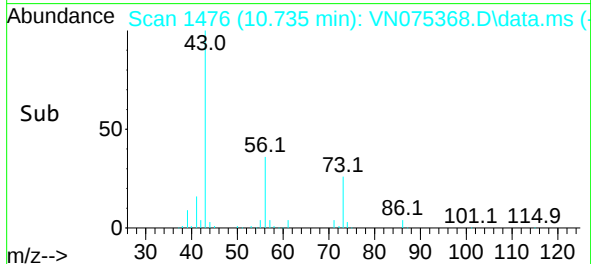
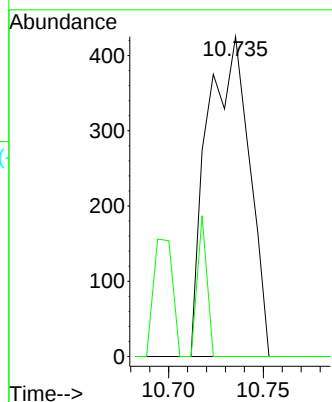
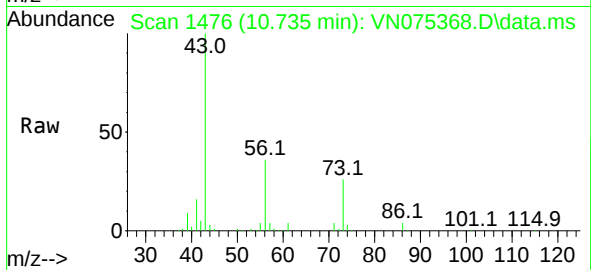




#53
t-1,3-Dichloropropene
Concen: 0.270 ug/l
RT: 10.735 min Scan# 1412
Delta R.T. -0.100 min
Lab File: VN075368.D
Acq: 22 Nov 2022 15:20

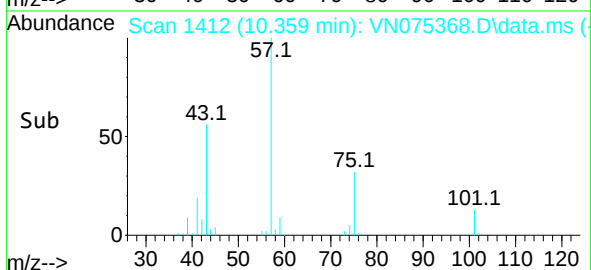
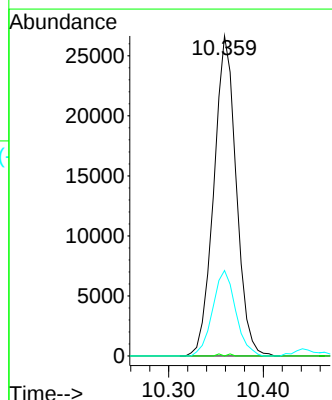
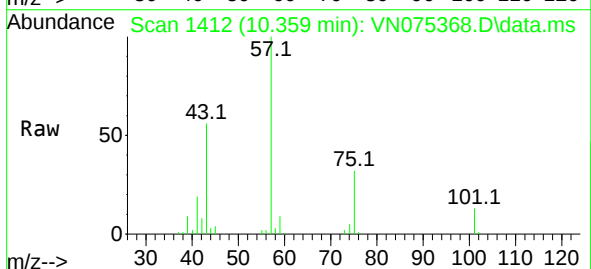
Instrument :
MSVOA_N
ClientSampleId :
PB149226TB

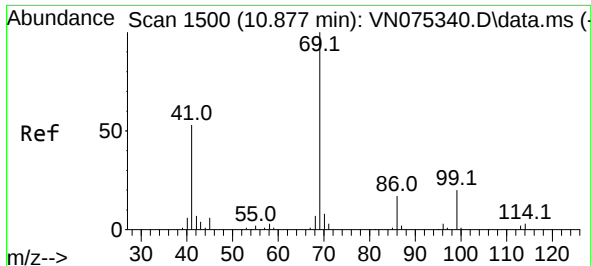
Tgt Ion: 75 Resp: 656
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#



#54
cis-1,3-Dichloropropene
Concen: 16.576 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. 0.047 min
Lab File: VN075368.D
Acq: 22 Nov 2022 15:20

Tgt Ion: 75 Resp: 43758
Ion Ratio Lower Upper
75 100
77 0.0 23.7 35.5#
39 26.7 35.8 53.6#

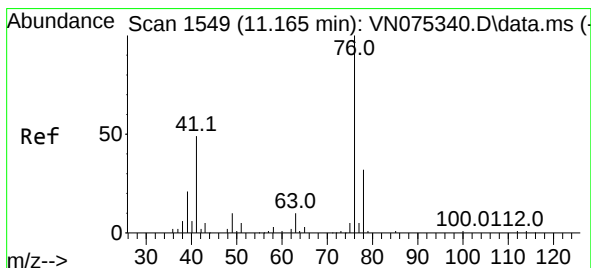
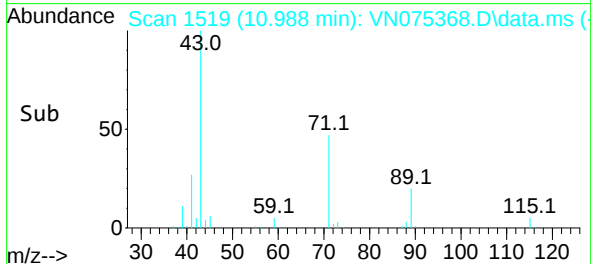
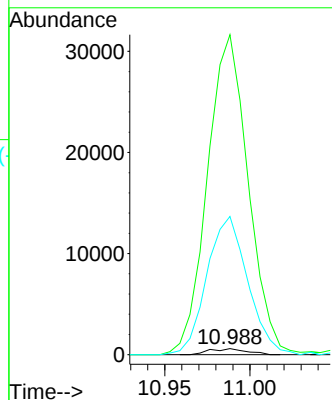
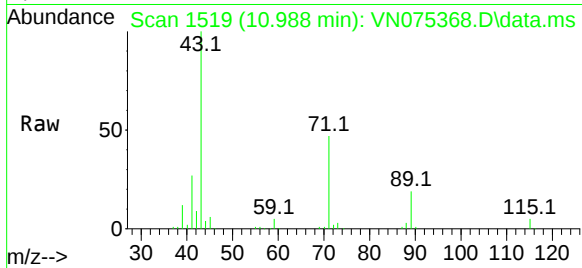




#56
Ethyl methacrylate
Concen: 0.368 ug/l
RT: 10.988 min Scan# 1519
Delta R.T. 0.111 min
Lab File: VN075368.D
Acq: 22 Nov 2022 15:20

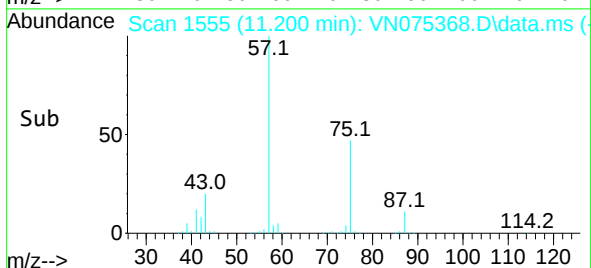
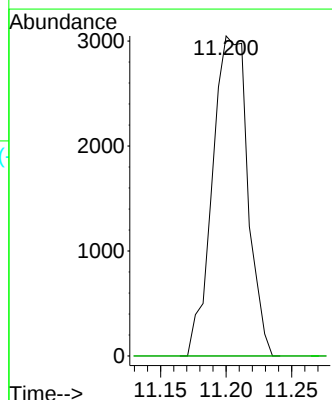
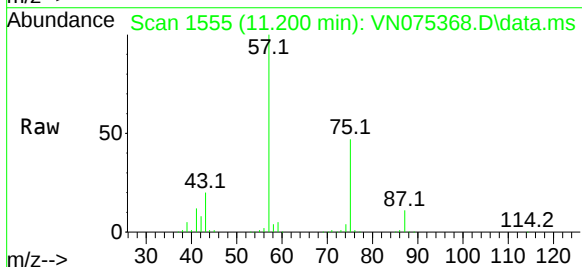
Instrument :
MSVOA_N
ClientSampleId :
PB149226TB

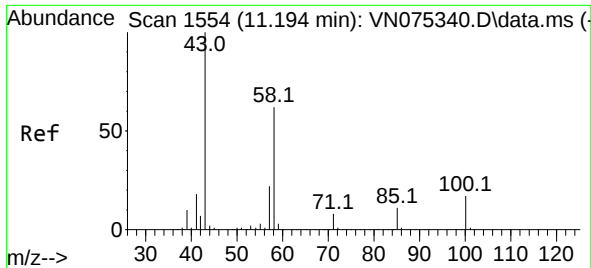
Tgt Ion: 69 Resp: 904
Ion Ratio Lower Upper
69 100
41 5857.4 45.6 68.4#
39 2525.7 28.5 42.7#



#57
1,3-Dichloropropane
Concen: 1.913 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. 0.035 min
Lab File: VN075368.D
Acq: 22 Nov 2022 15:20

Tgt Ion: 76 Resp: 5678
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

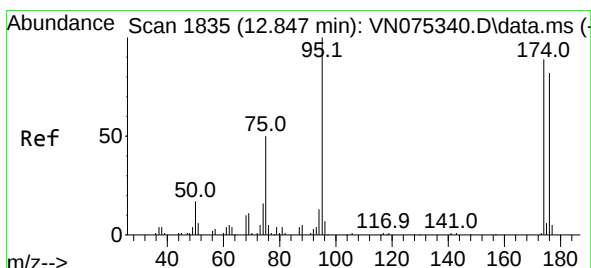
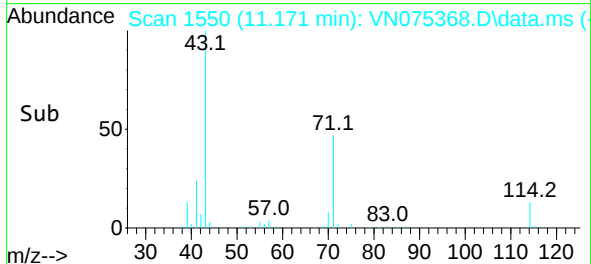
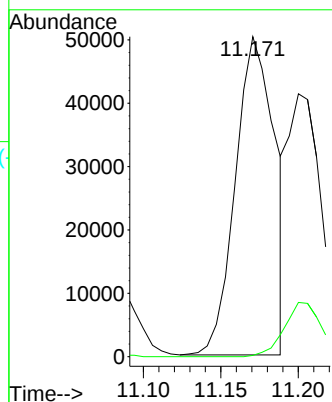
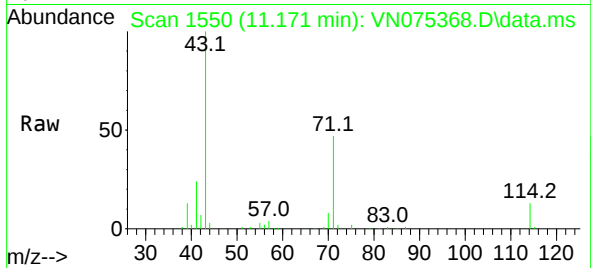




#59
2-Hexanone
Concen: 56.559 ug/l
RT: 11.171 min Scan# 111
Delta R.T. -0.023 min
Lab File: VN075368.D
Acq: 22 Nov 2022 15:20

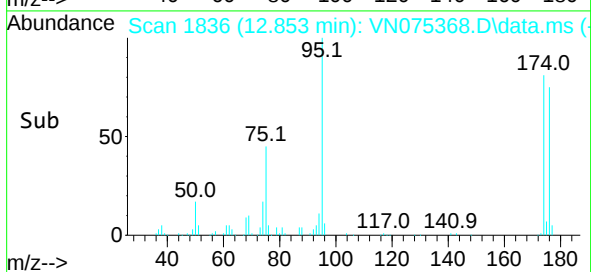
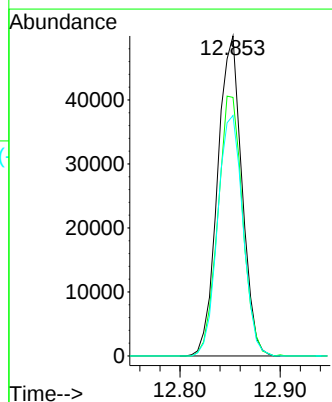
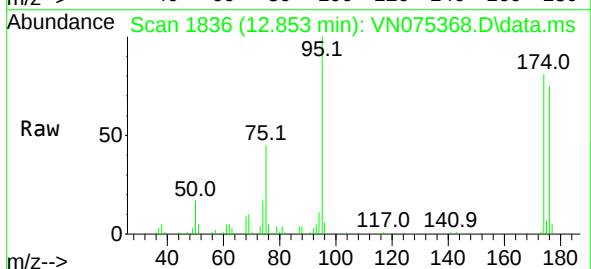
Instrument :
MSVOA_N
ClientSampleId :
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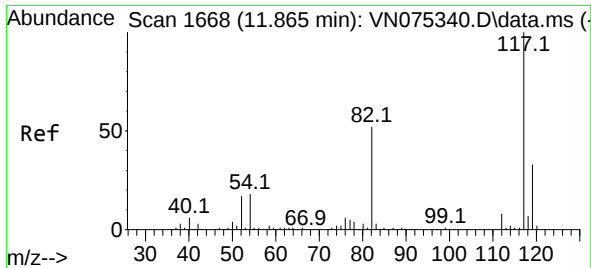
Tgt Ion: 43 Resp: 88570
Ion Ratio Lower Upper
43 100
58 0.0 29.6 88.8#



#62
4-Bromofluorobenzene
Concen: 48.705 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN075368.D
Acq: 22 Nov 2022 15:20

Tgt Ion: 95 Resp: 84113
Ion Ratio Lower Upper
95 100
174 82.5 0.0 147.4
176 77.9 0.0 142.2

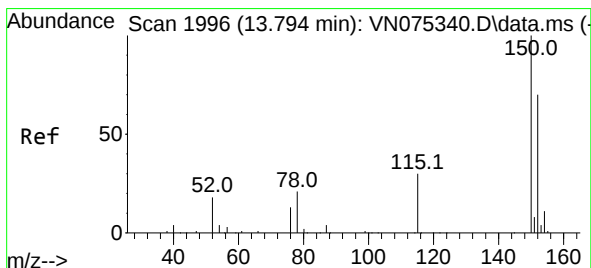
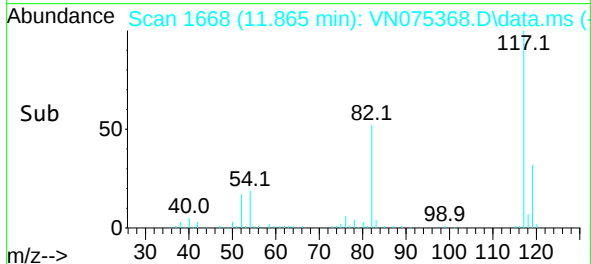
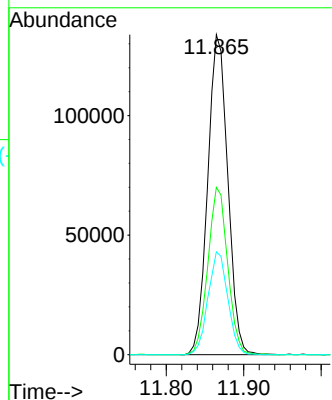
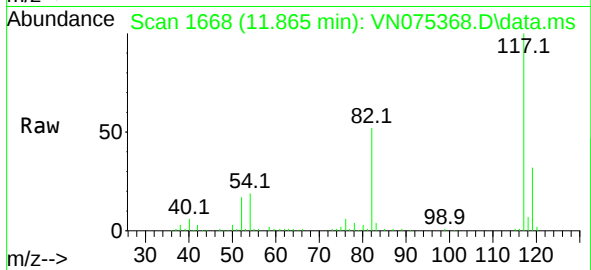




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN075368.D
Acq: 22 Nov 2022 15:20

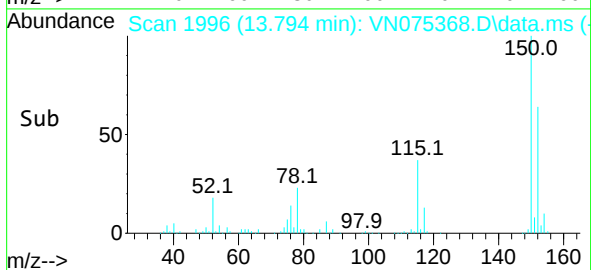
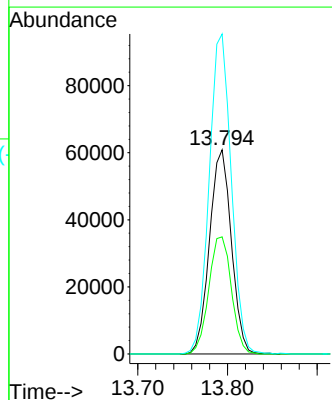
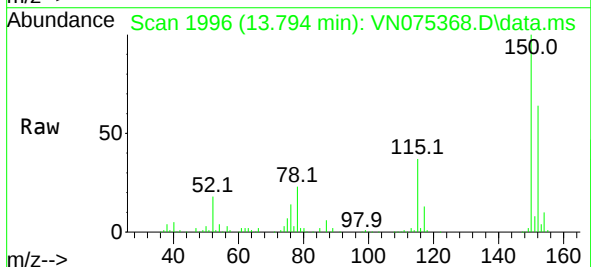
Instrument :
MSVOA_N
ClientSampleId :
PB149226TB

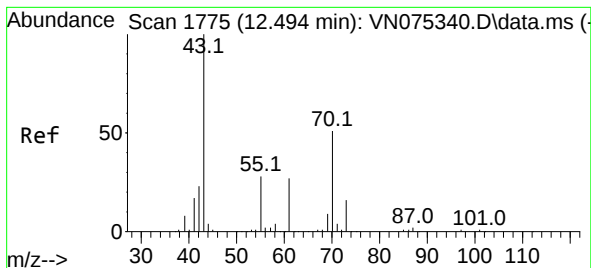
Tgt Ion:117 Resp: 240320
Ion Ratio Lower Upper
117 100
82 52.3 43.1 64.7
119 32.1 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075368.D
Acq: 22 Nov 2022 15:20

Tgt Ion:152 Resp: 103080
Ion Ratio Lower Upper
152 100
115 59.2 30.2 90.6
150 158.1 0.0 348.4





#74

N-amy1 acetate

Concen: 0.533 ug/l

RT: 12.494 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN075368.D

Acq: 22 Nov 2022 15:20

Instrument :

MSVOA_N

ClientSampleId :

PB149226TB

Tgt Ion: 43 Resp: 1235

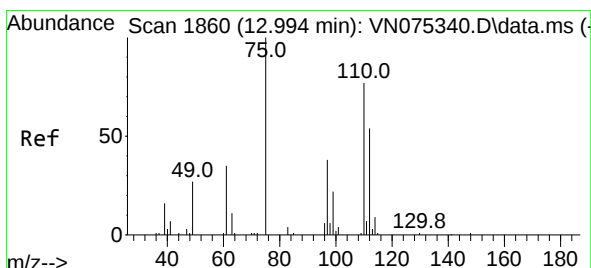
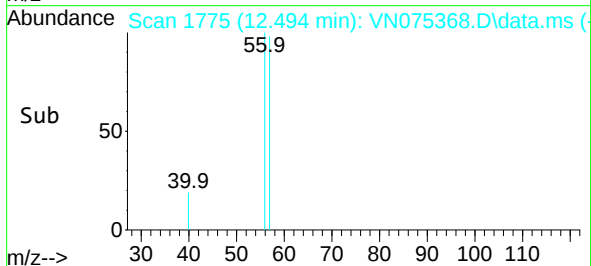
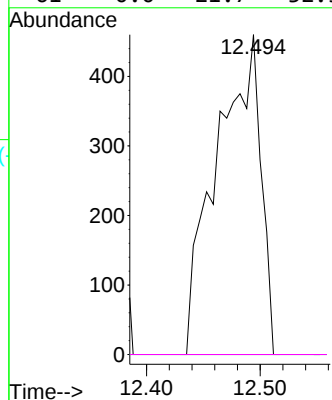
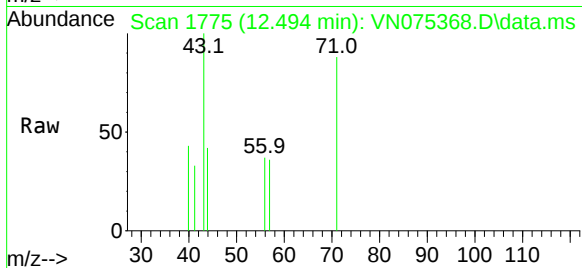
Ion Ratio Lower Upper

43 100

70 0.0 39.8 59.8#

55 0.0 19.9 29.9#

61 0.0 21.7 32.5#



#76

1,2,3-Trichloropropane

Concen: 21.346 ug/l

RT: 12.847 min Scan# 1835

Delta R.T. -0.147 min

Lab File: VN075368.D

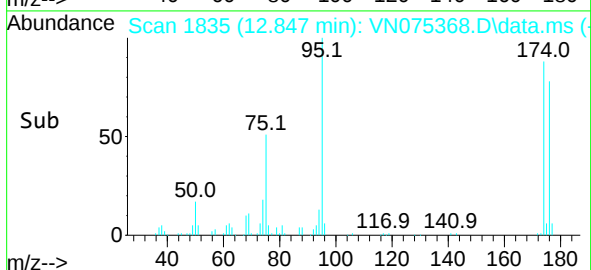
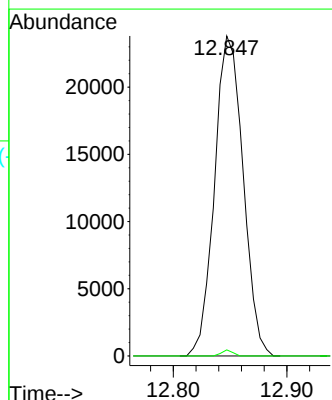
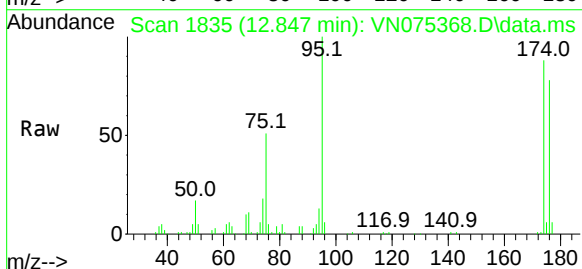
Acq: 22 Nov 2022 15:20

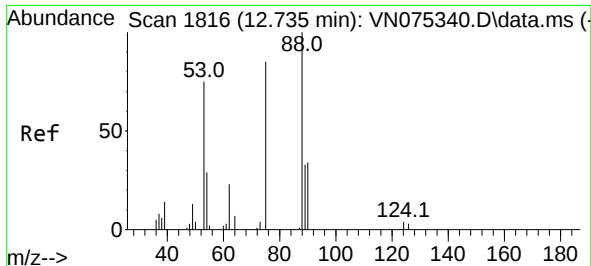
Tgt Ion: 75 Resp: 41603

Ion Ratio Lower Upper

75 100

77 0.7 75.6 226.8#

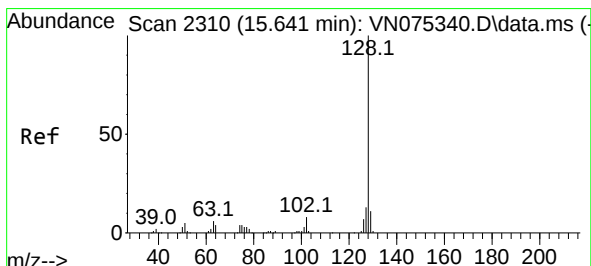
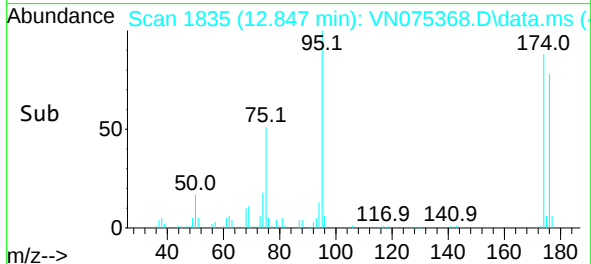
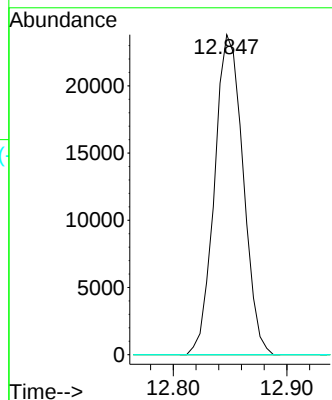
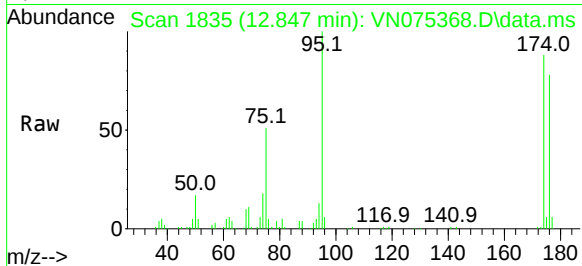




#81
trans-1,4-Dichloro-2-butene
Concen: 63.158 ug/l
RT: 12.847 min Scan# 1816
Delta R.T. 0.112 min
Lab File: VN075368.D
Acq: 22 Nov 2022 15:20

Instrument :
MSVOA_N
ClientSampleId :
PB149226TB

Tgt Ion: 75 Resp: 41603
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#



#95
Naphthalene
Concen: 0.298 ug/l
RT: 15.647 min Scan# 2311
Delta R.T. 0.006 min
Lab File: VN075368.D
Acq: 22 Nov 2022 15:20

Tgt Ion:128 Resp: 1647
Ion Ratio Lower Upper
128 100
127 3.5 10.4 15.6#
129 0.0 8.6 12.8#

