

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112222\
 Data File : VN075369.D
 Acq On : 22 Nov 2022 15:44
 Operator : JC\MD
 Sample : PB149226ZHE#01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB149226ZHE#01

Quant Time: Nov 23 07:10:34 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

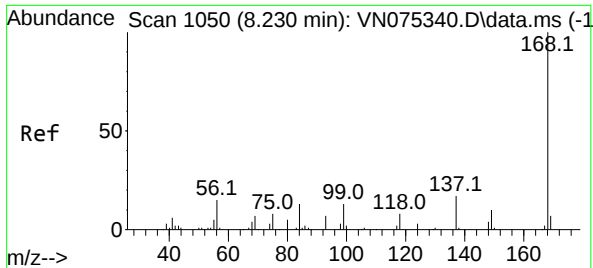
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	151511	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	264100	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	243592	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	102823	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	42476	52.227	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.460%	
35) Dibromofluoromethane	8.171	113	51147	49.300	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.600%	
50) Toluene-d8	10.571	98	119136	50.985	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.980%	
62) 4-Bromofluorobenzene	12.853	95	84368	48.917	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 97.840%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.971	74	3226	3.546	ug/l	86
11) Tert butyl alcohol	5.506	59	2528	7.405	ug/l #	72
16) Acetone	4.442	43	65338	86.130	ug/l	97
18) Methyl Acetate	5.036	43	1530	Below Cal	#	75
20) Methylene Chloride	5.289	84	17415	10.306	ug/l #	86
25) 2-Butanone	7.500	43	1421	1.342	ug/l #	43
29) Tetrahydrofuran	7.571	42	1608	2.496	ug/l #	26
31) Cyclohexane	8.230	56	2766	1.070	ug/l #	41
36) 1,1-Dichloropropene	8.230	75	10839	4.791	ug/l #	50
37) Ethyl Acetate	7.565	43	22679	11.132	ug/l	98
38) Carbon Tetrachloride	8.224	117	15338	6.171	ug/l #	16
42) 1,2-Dichloroethane	8.694	62	503	0.217	ug/l #	75
43) Isopropyl Acetate	8.694	43	113407	34.681	ug/l #	89
45) 1,2-Dichloropropane	9.741	63	1349	0.817	ug/l #	42
48) Methyl methacrylate	9.671	41	2842	1.880	ug/l #	34
51) 4-Methyl-2-Pentanone	10.447	43	4865	2.336	ug/l #	84
53) t-1,3-Dichloropropene	10.724	75	753	0.310	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	43273	16.413	ug/l #	63
56) Ethyl methacrylate	10.982	69	880	0.358	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5524	1.863	ug/l #	42
59) 2-Hexanone	11.177	43	85873	54.909	ug/l #	21
74) N-amyl acetate	12.488	43	995	0.431	ug/l #	38
76) 1,2,3-Trichloropropane	12.847	75	43100	22.169	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	43100	65.595	ug/l #	10
95) Naphthalene	15.641	128	1171	0.212	ug/l #	69

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

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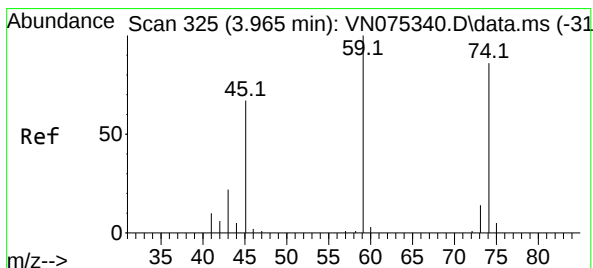
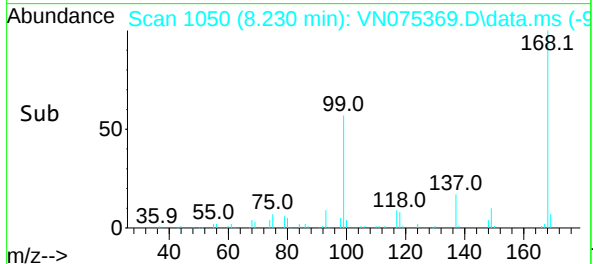
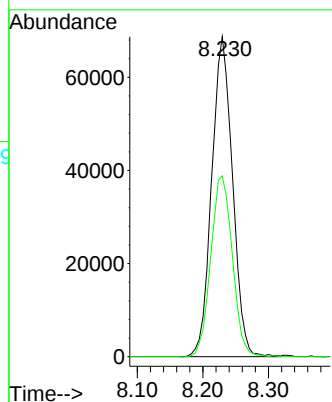
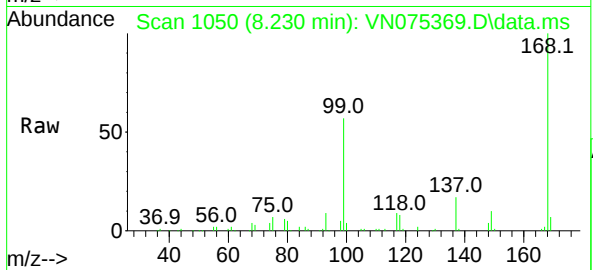




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN075369.D
Acq: 22 Nov 2022 15:44

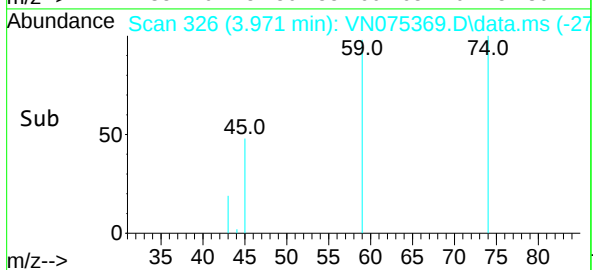
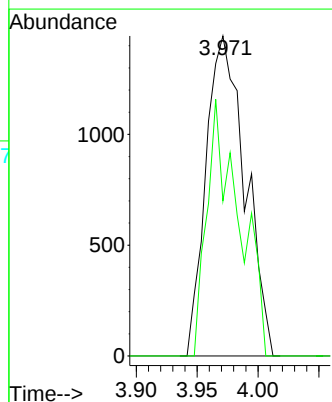
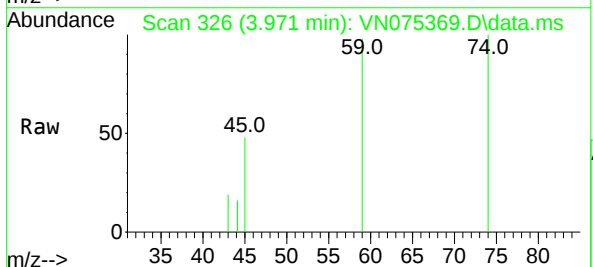
Instrument :
MSVOA_N
ClientSampleId :
PB149226ZHE#01

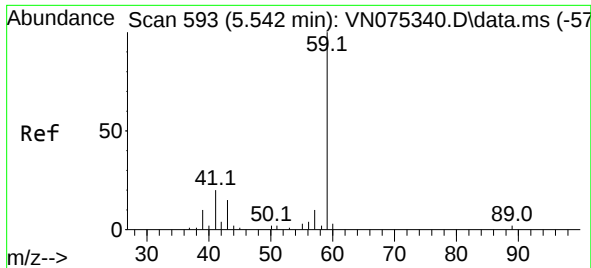
Tgt Ion:168 Resp: 151511
Ion Ratio Lower Upper
168 100
99 56.5 51.6 77.4



#8
Diethyl Ether
Concen: 3.546 ug/l
RT: 3.971 min Scan# 326
Delta R.T. 0.006 min
Lab File: VN075369.D
Acq: 22 Nov 2022 15:44

Tgt Ion: 74 Resp: 3226
Ion Ratio Lower Upper
74 100
45 66.1 39.3 117.9

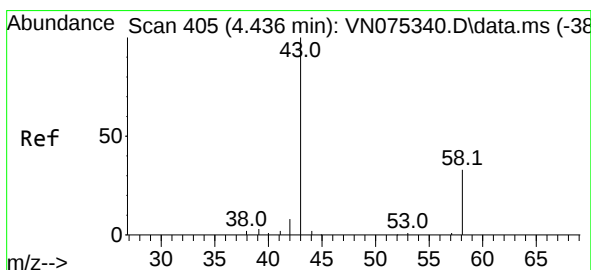
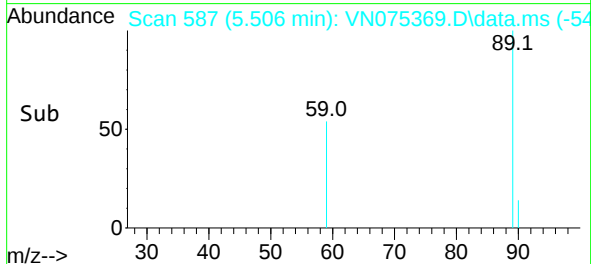
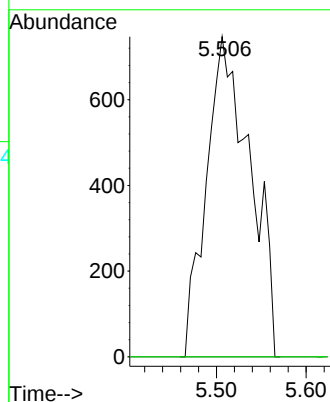
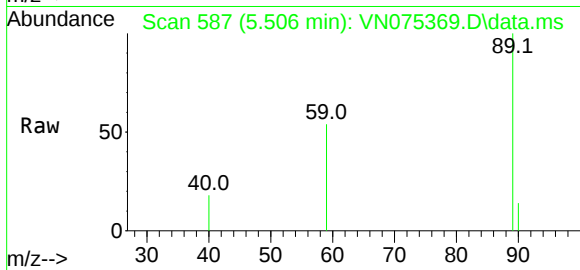




#11
Tert butyl alcohol
Concen: 7.405 ug/l
RT: 5.506 min Scan# 51
Delta R.T. -0.036 min
Lab File: VN075369.D
Acq: 22 Nov 2022 15:44

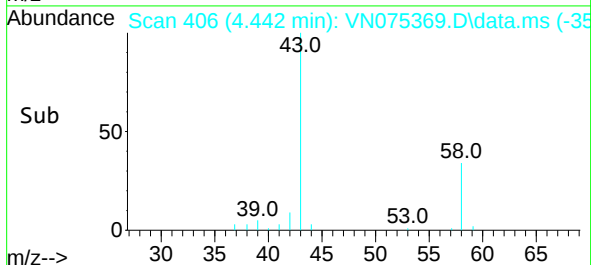
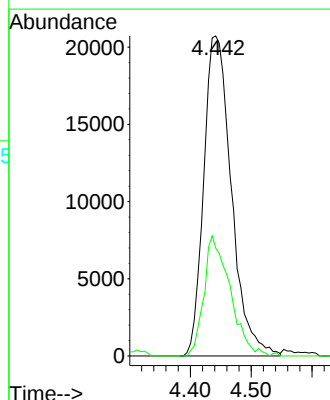
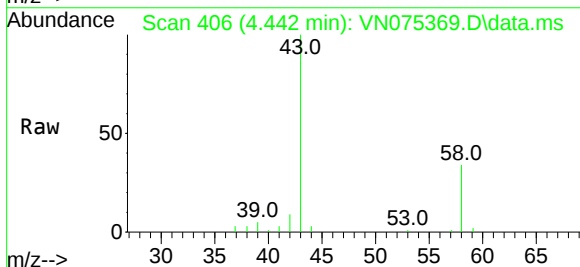
Instrument :
MSVOA_N
ClientSampleId :
PB149226ZHE#01

Tgt Ion: 59 Resp: 2528
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 86.130 ug/l
RT: 4.442 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN075369.D
Acq: 22 Nov 2022 15:44

Tgt Ion: 43 Resp: 65338
Ion Ratio Lower Upper
43 100
58 33.7 25.5 38.3

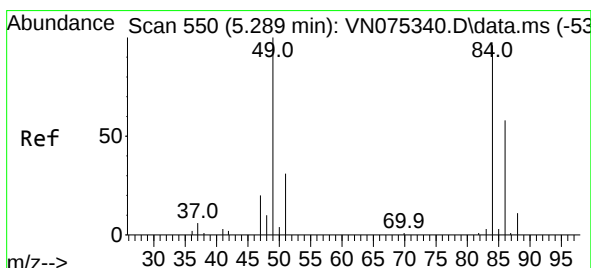
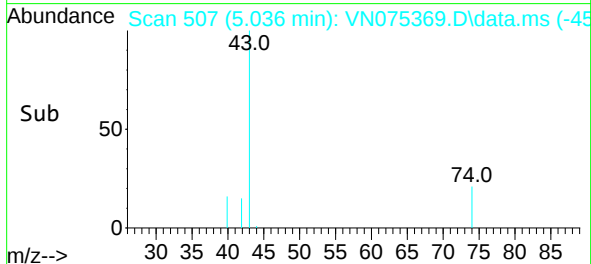
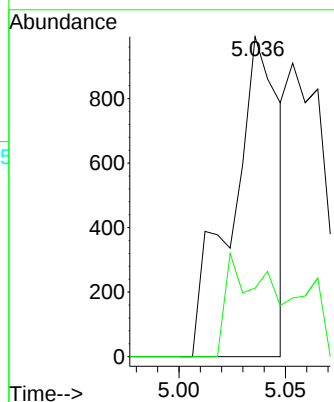
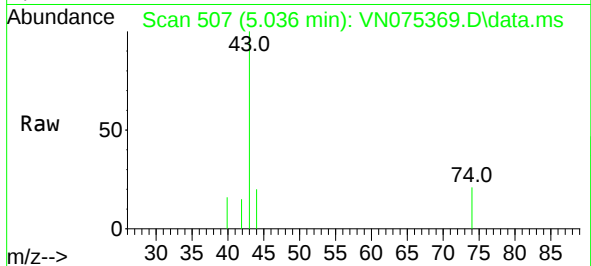




#18
Methyl Acetate
Concen: Below Cal
RT: 5.036 min Scan# 50
Delta R.T. -0.000 min
Lab File: VN075369.D
Acq: 22 Nov 2022 15:44

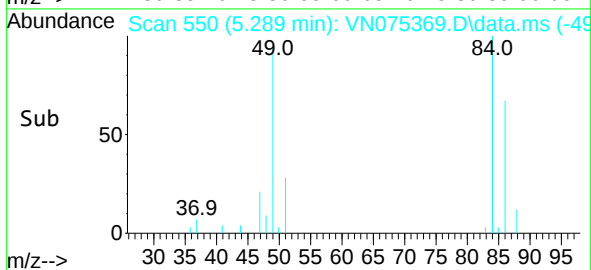
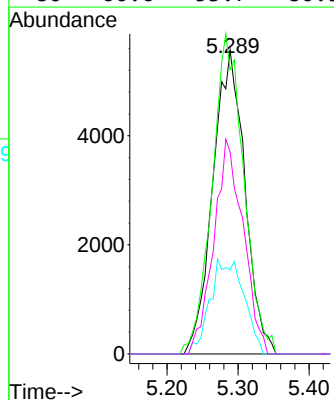
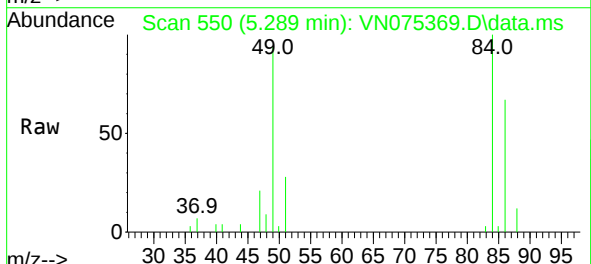
Instrument :
MSVOA_N
ClientSampleId :
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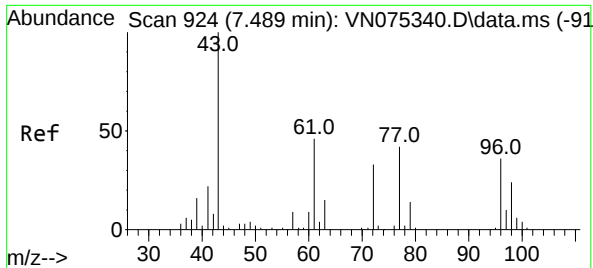
Tgt Ion: 43 Resp: 1530
Ion Ratio Lower Upper
43 100
74 40.7 22.0 33.0#



#20
Methylene Chloride
Concen: 10.306 ug/l
RT: 5.289 min Scan# 550
Delta R.T. -0.000 min
Lab File: VN075369.D
Acq: 22 Nov 2022 15:44

Tgt Ion: 84 Resp: 17415
Ion Ratio Lower Upper
84 100
49 93.6 94.9 142.3#
51 27.7 26.8 40.2
86 66.6 53.7 80.5

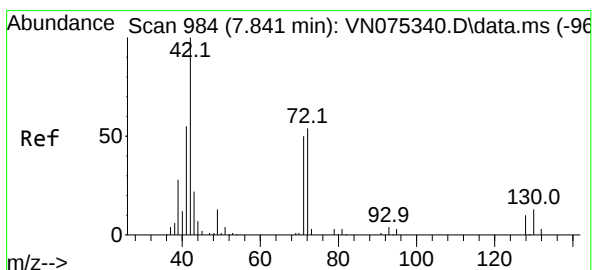
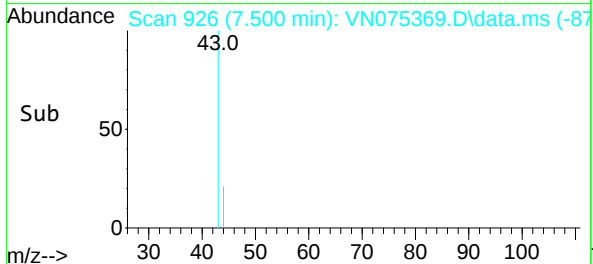
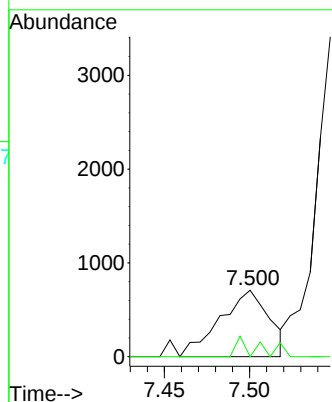
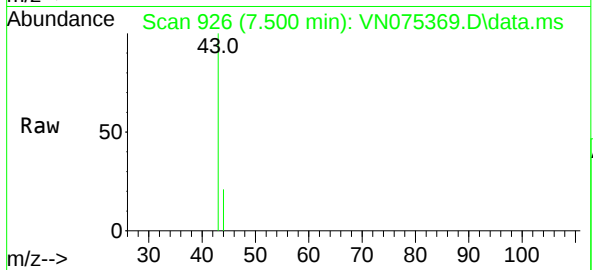




#25
2-Butanone
Concen: 1.342 ug/l
RT: 7.500 min Scan# 91
Delta R.T. 0.011 min
Lab File: VN075369.D
Acq: 22 Nov 2022 15:44

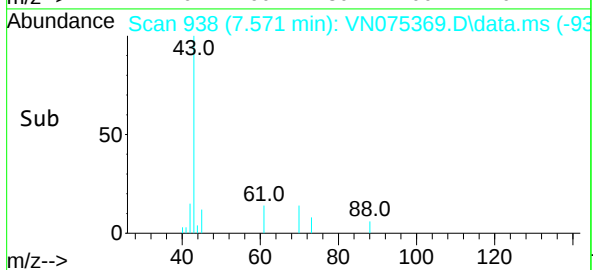
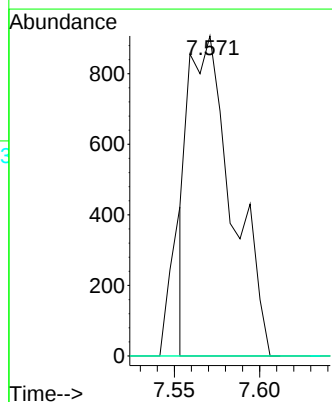
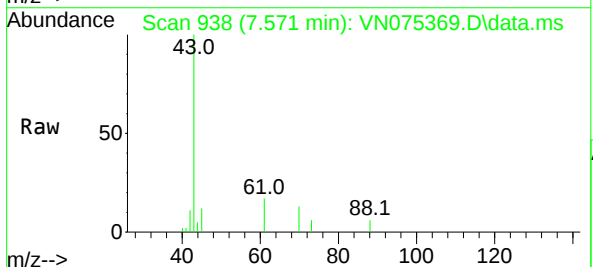
Instrument :
MSVOA_N
ClientSampleId :
PB149226ZHE#01

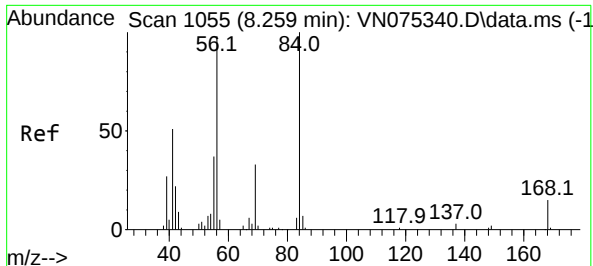
Tgt Ion: 43 Resp: 1421
Ion Ratio Lower Upper
43 100
72 0.0 25.5 38.3#



#29
Tetrahydrofuran
Concen: 2.496 ug/l
RT: 7.571 min Scan# 938
Delta R.T. -0.270 min
Lab File: VN075369.D
Acq: 22 Nov 2022 15:44

Tgt Ion: 42 Resp: 1608
Ion Ratio Lower Upper
42 100
72 0.0 43.0 64.6#
71 0.0 39.9 59.9#





#31

Cyclohexane

Concen: 1.070 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.029 min

Lab File: VN075369.D

Acq: 22 Nov 2022 15:44

Instrument :

MSVOA_N

ClientSampleId :

PB149226ZHE#01

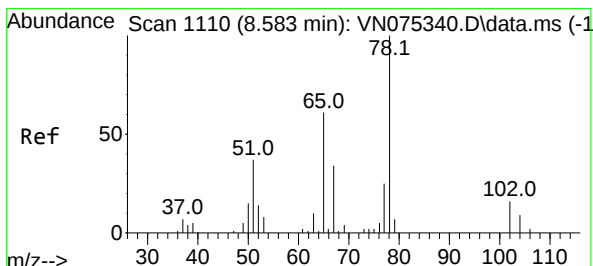
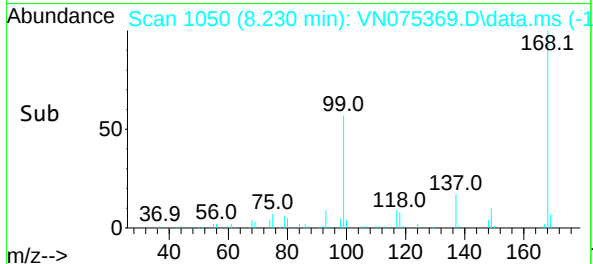
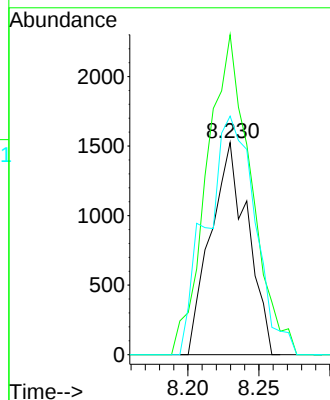
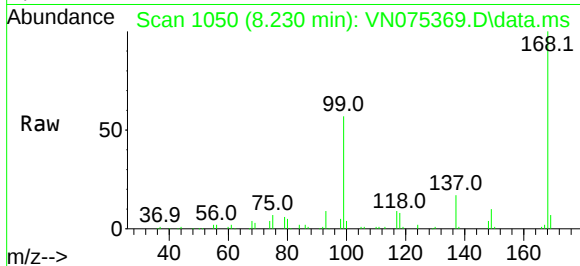
Tgt Ion: 56 Resp: 2766

Ion Ratio Lower Upper

56 100

69 139.8 25.2 37.8#

84 112.4 77.8 116.8



#33

1,2-Dichloroethane-d4

Concen: 52.227 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. -0.000 min

Lab File: VN075369.D

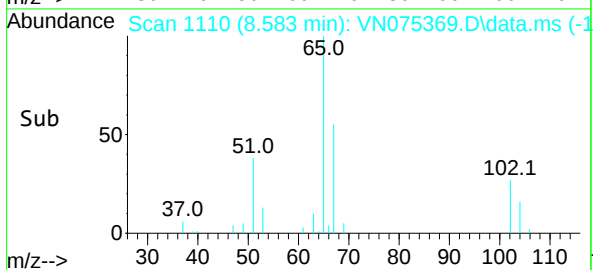
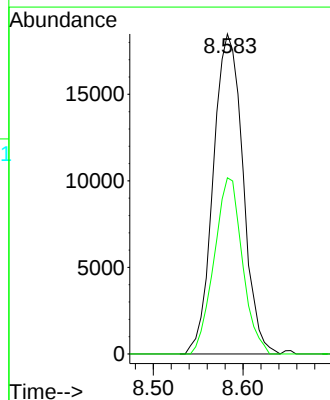
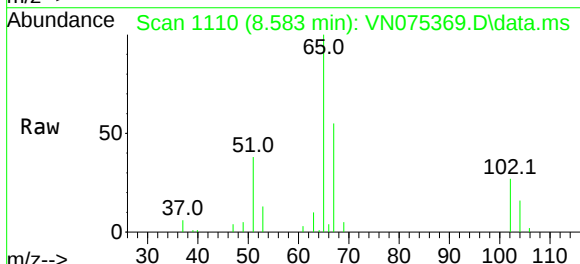
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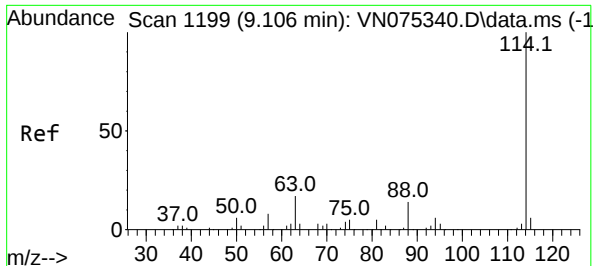
Tgt Ion: 65 Resp: 42476

Ion Ratio Lower Upper

65 100

67 52.4 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: VN075369.D

Acq: 22 Nov 2022 15:44

Instrument :

MSVOA_N

ClientSampleId :

PB149226ZHE#01

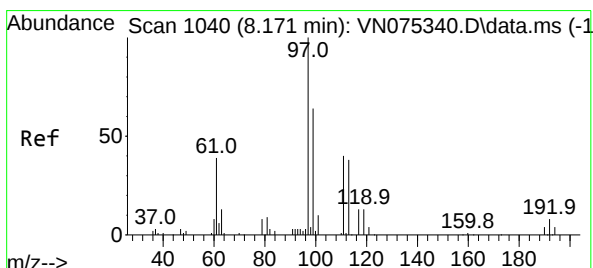
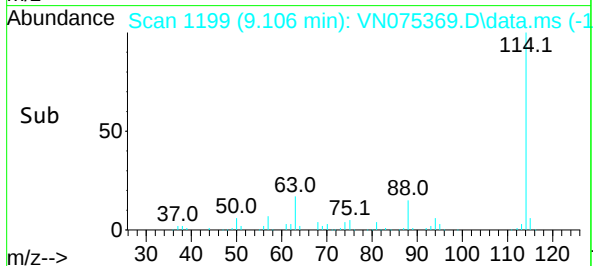
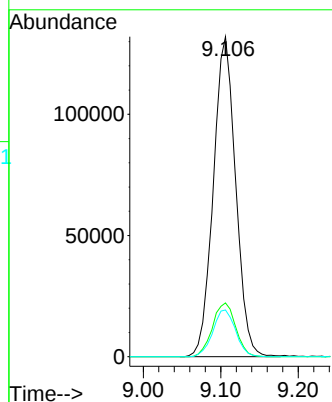
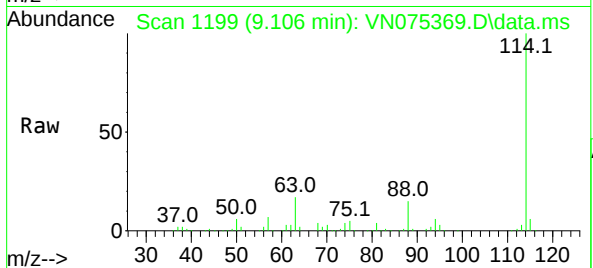
Tgt Ion:114 Resp: 264100

Ion Ratio Lower Upper

114 100

63 16.8 0.0 39.6

88 14.6 0.0 29.0



#35

Dibromofluoromethane

Concen: 49.300 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075369.D

Acq: 22 Nov 2022 15:44

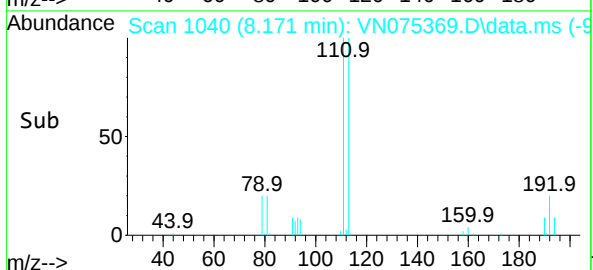
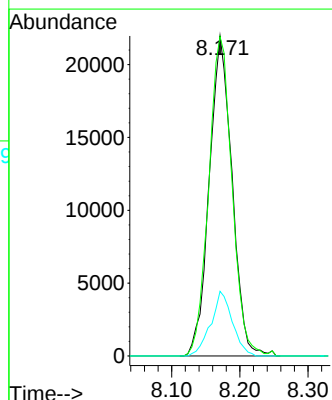
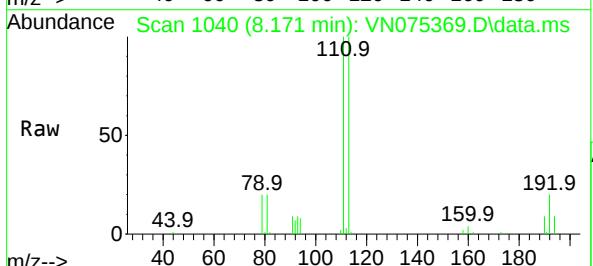
Tgt Ion:113 Resp: 51147

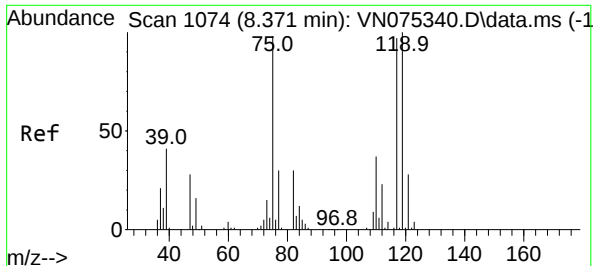
Ion Ratio Lower Upper

113 100

111 102.0 80.5 120.7

192 19.1 13.2 19.8





#36

1,1-Dichloropropene

Concen: 4.791 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.141 min

Lab File: VN075369.D

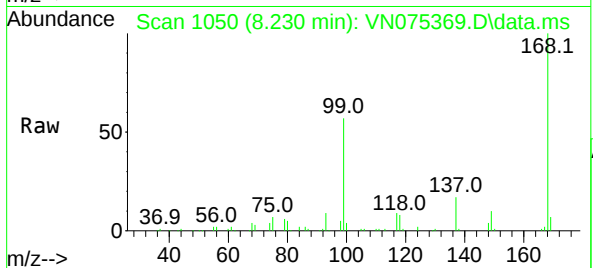
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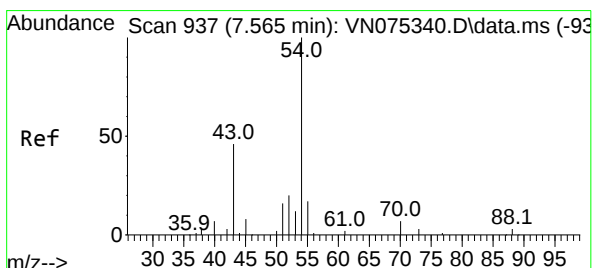
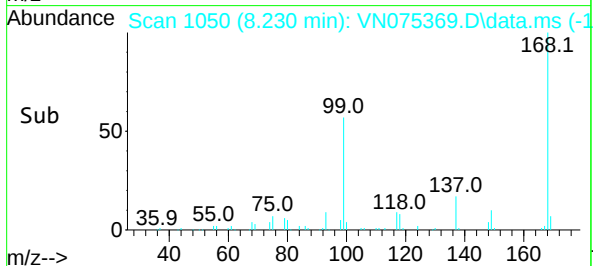
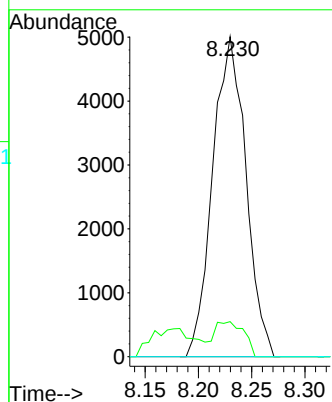
Tgt Ion: 75 Resp: 10839

Ion Ratio Lower Upper

75 100

110 9.9 17.8 53.3#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 11.132 ug/l

RT: 7.565 min Scan# 937

Delta R.T. -0.000 min

Lab File: VN075369.D

Acq: 22 Nov 2022 15:44

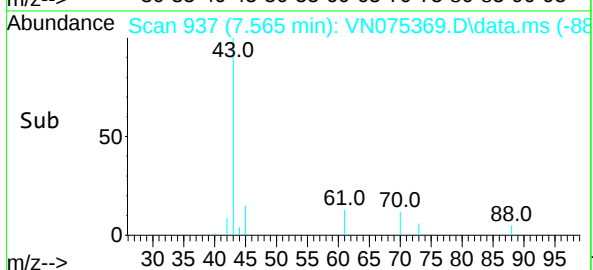
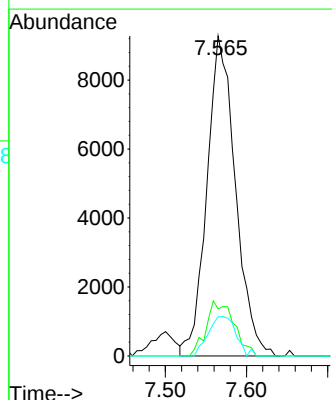
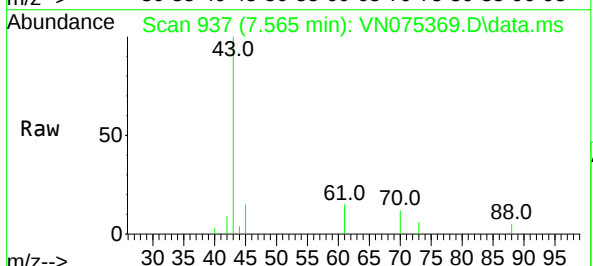
Tgt Ion: 43 Resp: 22679

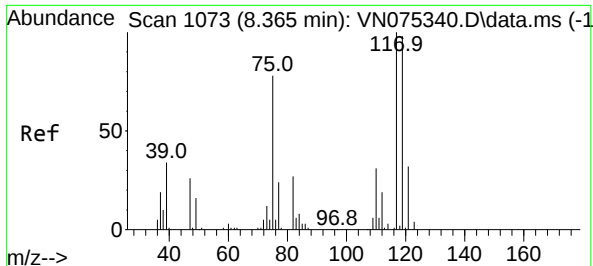
Ion Ratio Lower Upper

43 100

61 16.7 12.2 18.4

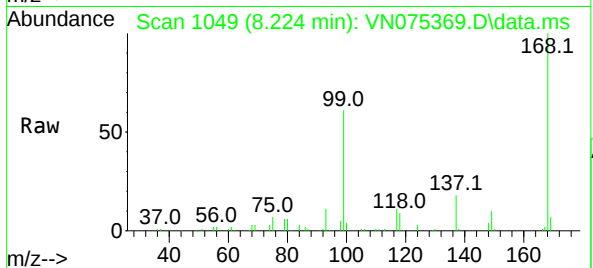
70 12.0 9.4 14.2



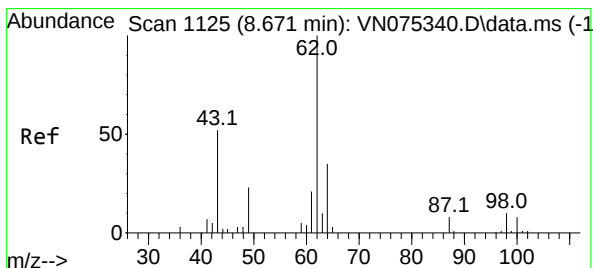
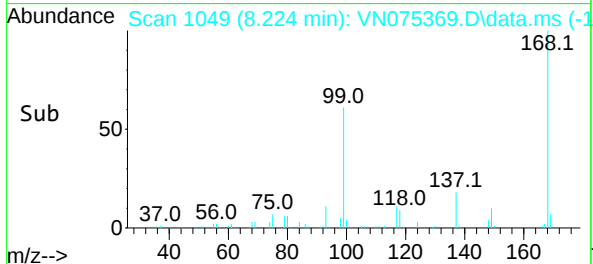
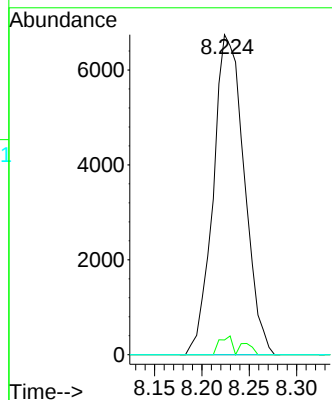


#38
Carbon Tetrachloride
Concen: 6.171 ug/l
RT: 8.224 min Scan# 1109
Delta R.T. -0.141 min
Lab File: VN075369.D
Acq: 22 Nov 2022 15:44

Instrument :
MSVOA_N
ClientSampleId :
PB149226ZHE#01

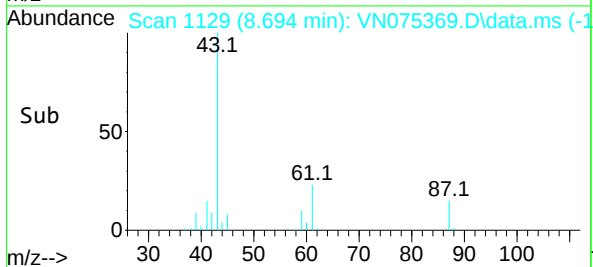
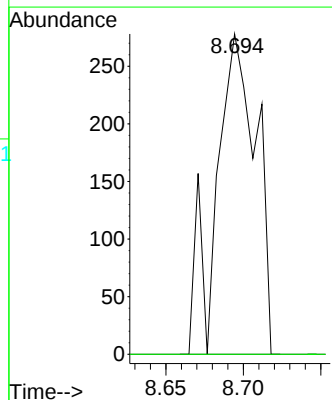
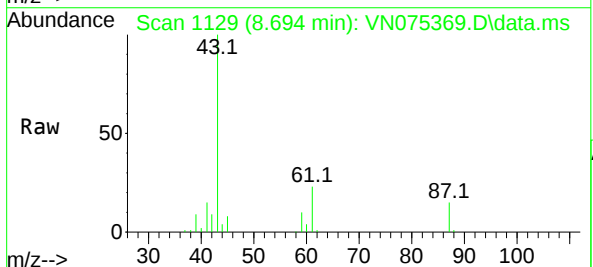


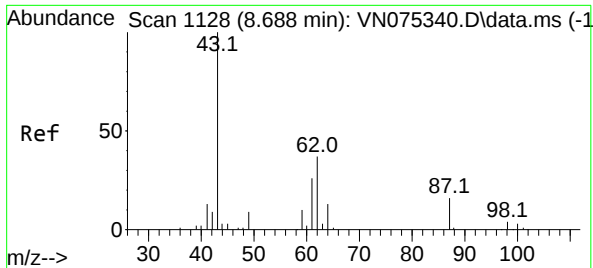
Tgt Ion:117 Resp: 15338
Ion Ratio Lower Upper
117 100
119 4.6 76.7 115.1#
121 0.0 23.9 35.9#



#42
1,2-Dichloroethane
Concen: 0.217 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.023 min
Lab File: VN075369.D
Acq: 22 Nov 2022 15:44

Tgt Ion: 62 Resp: 503
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2

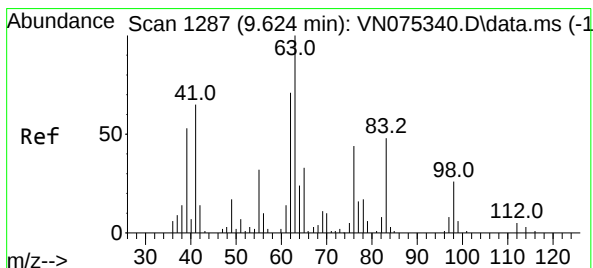
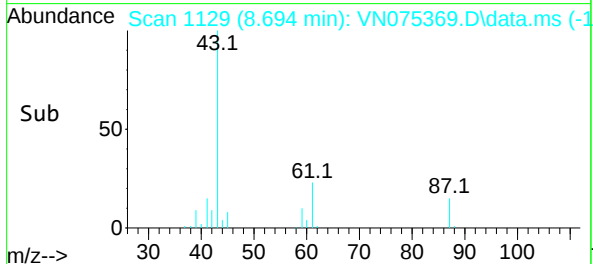
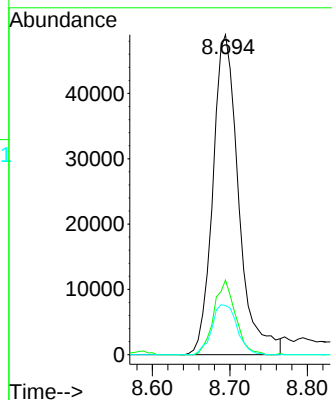
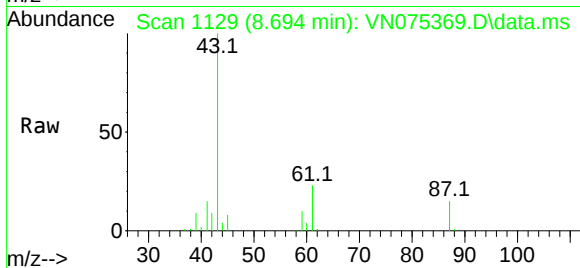




#43
Isopropyl Acetate
Concen: 34.681 ug/l
RT: 8.694 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN075369.D
Acq: 22 Nov 2022 15:44

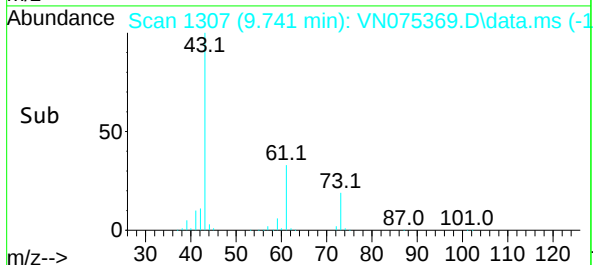
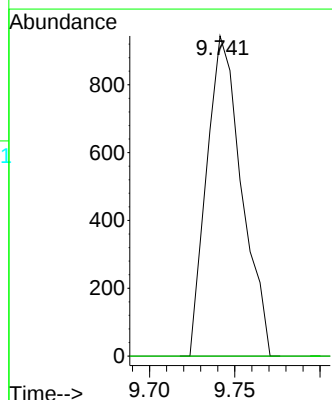
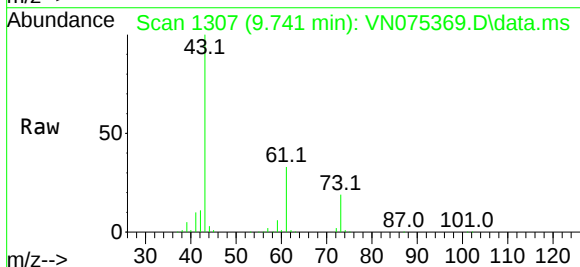
Instrument :
MSVOA_N
ClientSampleId :
PB149226ZHE#01

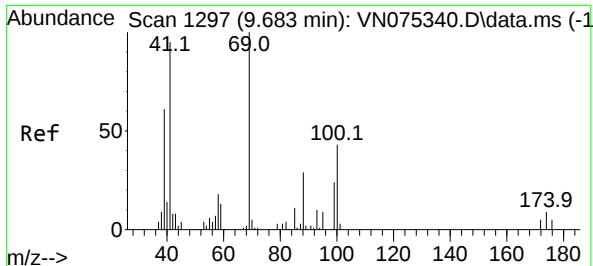
Tgt Ion: 43 Resp: 113407
Ion Ratio Lower Upper
43 100
61 19.5 22.4 33.6#
87 15.2 12.5 18.7



#45
1,2-Dichloropropane
Concen: 0.817 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.117 min
Lab File: VN075369.D
Acq: 22 Nov 2022 15:44

Tgt Ion: 63 Resp: 1349
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#

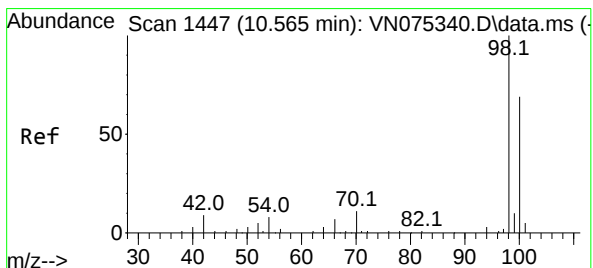
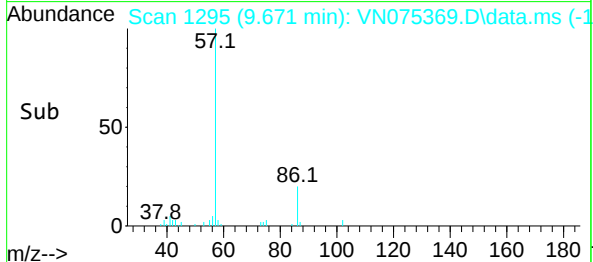
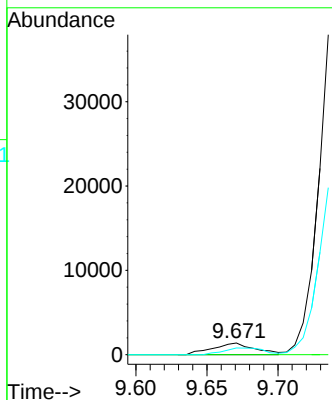
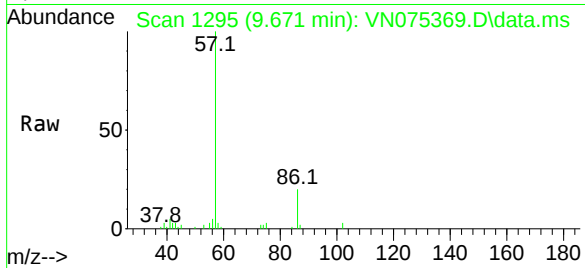




#48
Methyl methacrylate
Concen: 1.880 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN075369.D
Acq: 22 Nov 2022 15:44

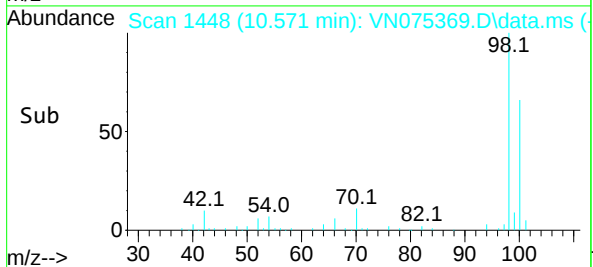
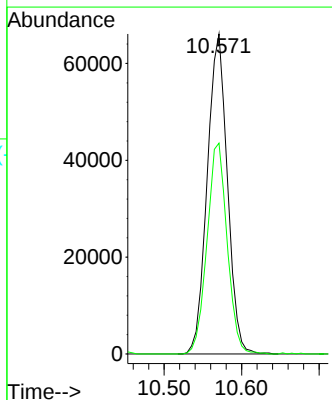
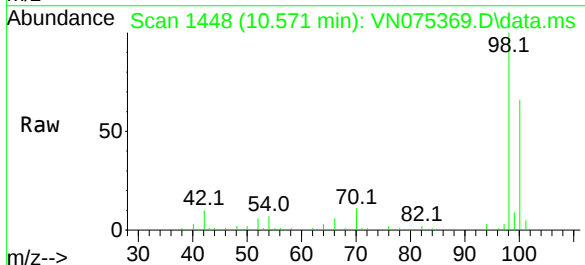
Instrument :
MSVOA_N
ClientSampleId :
PB149226ZHE#01

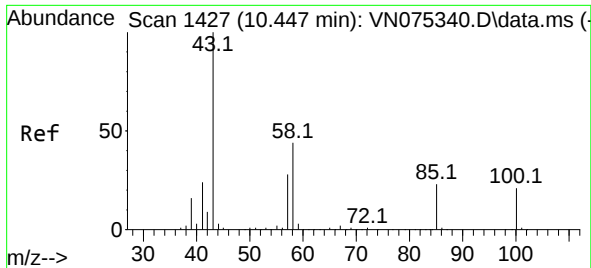
Tgt Ion: 41 Resp: 2842
Ion Ratio Lower Upper
41 100
69 0.0 80.2 120.2#
39 55.2 56.2 84.2#



#50
Toluene-d8
Concen: 50.985 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN075369.D
Acq: 22 Nov 2022 15:44

Tgt Ion: 98 Resp: 119136
Ion Ratio Lower Upper
98 100
100 65.9 53.0 79.6

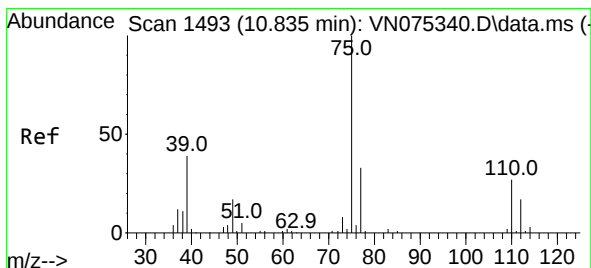
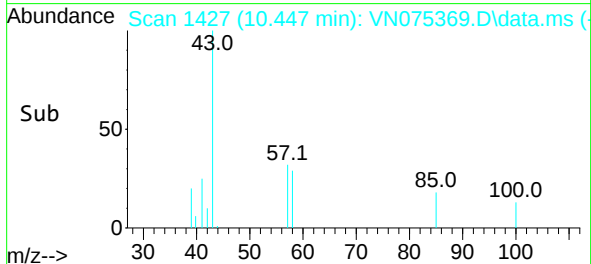
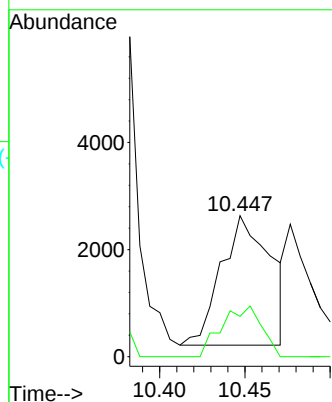
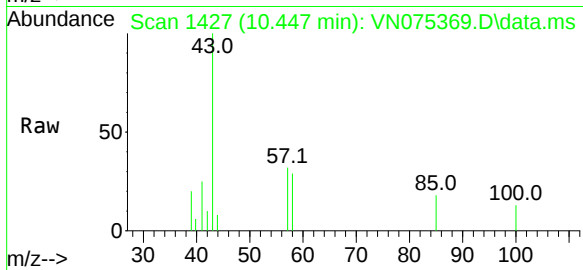




#51
4-Methyl-2-Pentanone
Concen: 2.336 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN075369.D
Acq: 22 Nov 2022 15:44

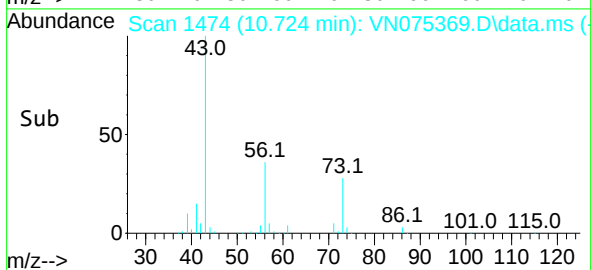
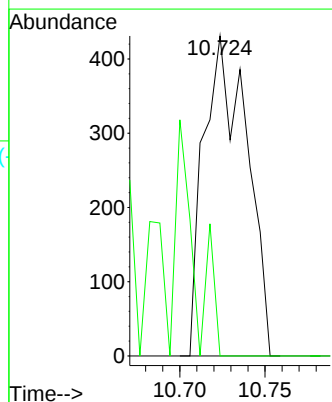
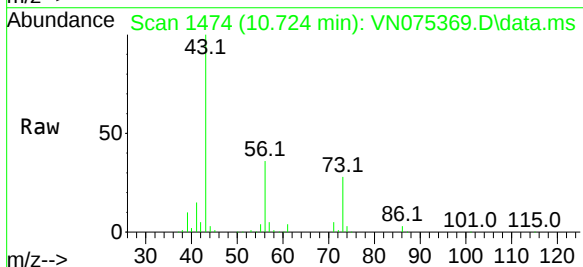
Instrument :
MSVOA_N
ClientSampleId :
PB149226ZHE#01

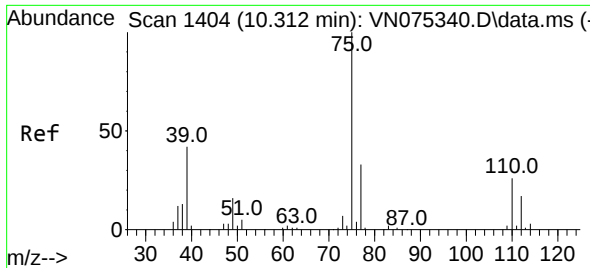
Tgt Ion: 43 Resp: 4865
Ion Ratio Lower Upper
43 100
58 31.8 33.6 50.4#



#53
t-1,3-Dichloropropene
Concen: 0.310 ug/l
RT: 10.724 min Scan# 1474
Delta R.T. -0.111 min
Lab File: VN075369.D
Acq: 22 Nov 2022 15:44

Tgt Ion: 75 Resp: 753
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#

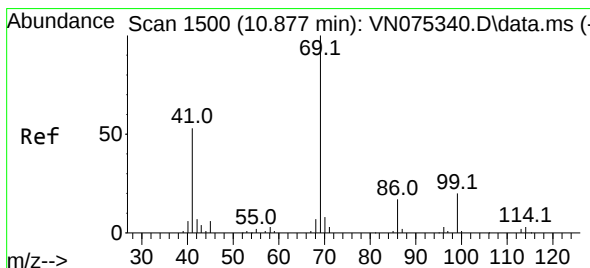
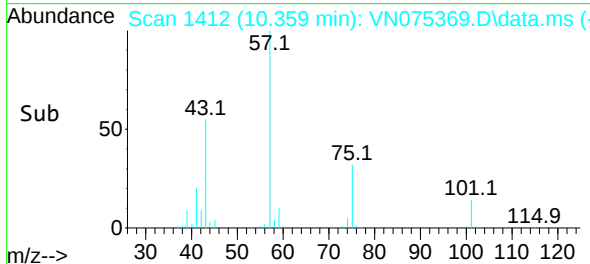
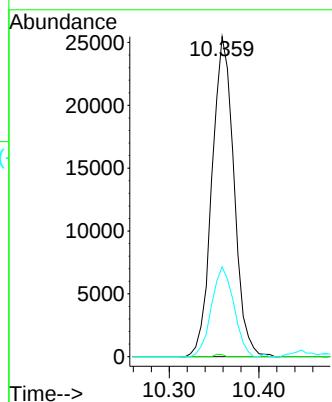
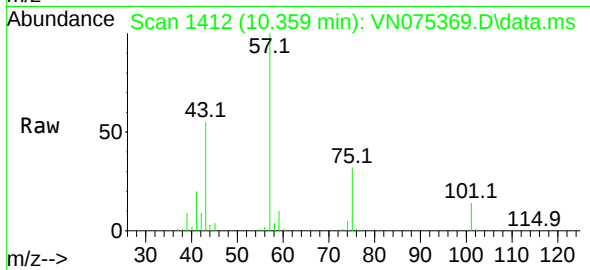




#54
 cis-1,3-Dichloropropene
 Concen: 16.413 ug/l
 RT: 10.359 min Scan# 14
 Delta R.T. 0.047 min
 Lab File: VN075369.D
 Acq: 22 Nov 2022 15:44

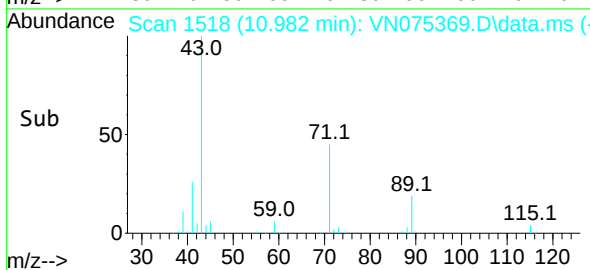
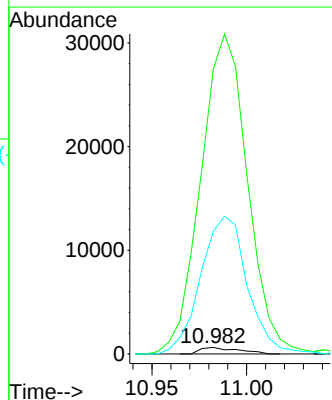
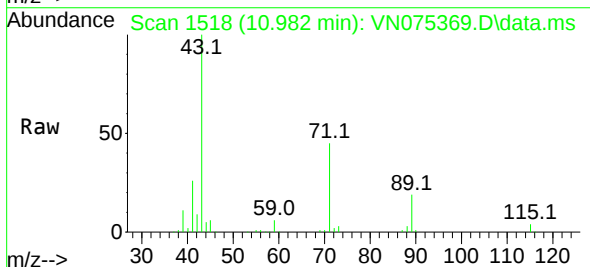
Instrument :
 MSVOA_N
 ClientSampleId :
 PB149226ZHE#01

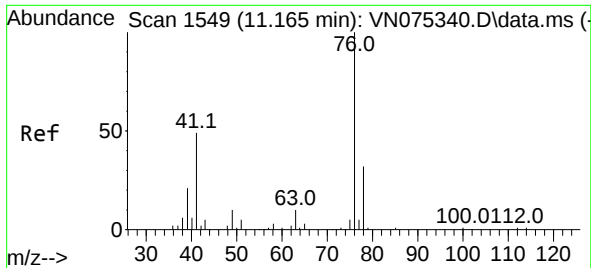
Tgt Ion: 75 Resp: 43273
 Ion Ratio Lower Upper
 75 100
 77 0.7 23.7 35.5#
 39 28.1 35.8 53.6#



#56
 Ethyl methacrylate
 Concen: 0.358 ug/l
 RT: 10.982 min Scan# 1518
 Delta R.T. 0.105 min
 Lab File: VN075369.D
 Acq: 22 Nov 2022 15:44

Tgt Ion: 69 Resp: 880
 Ion Ratio Lower Upper
 69 100
 41 6061.1 45.6 68.4#
 39 2589.8 28.5 42.7#

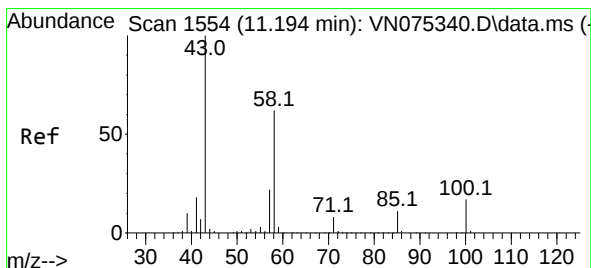
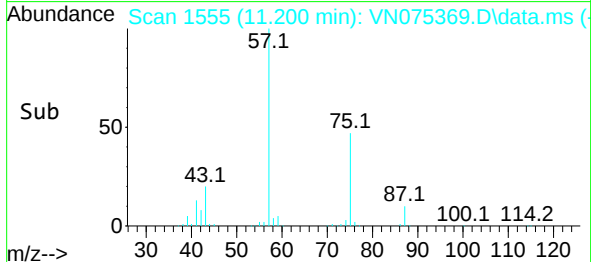
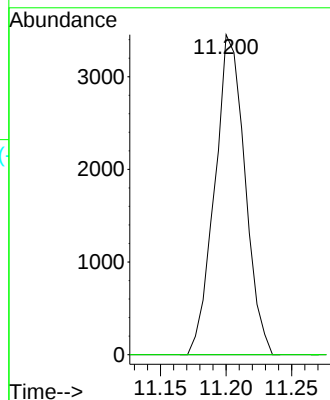
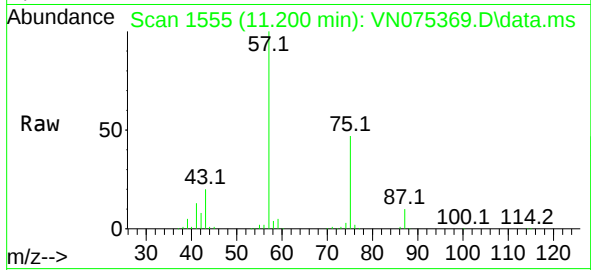




#57
1,3-Dichloropropane
Concen: 1.863 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. 0.035 min
Lab File: VN075369.D
Acq: 22 Nov 2022 15:44

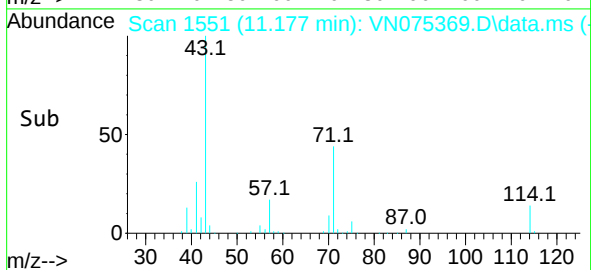
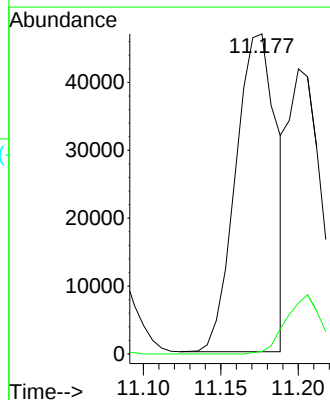
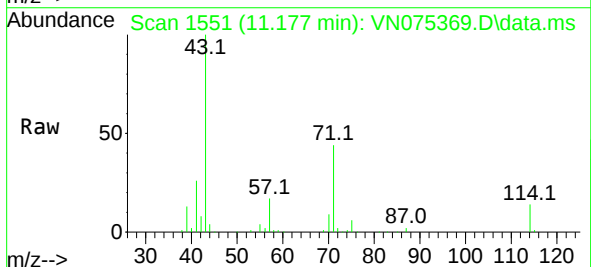
Instrument :
MSVOA_N
ClientSampleId :
PB149226ZHE#01

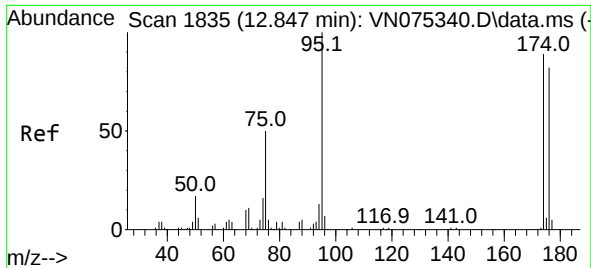
Tgt Ion: 76 Resp: 5524
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#



#59
2-Hexanone
Concen: 54.909 ug/l
RT: 11.177 min Scan# 1551
Delta R.T. -0.017 min
Lab File: VN075369.D
Acq: 22 Nov 2022 15:44

Tgt Ion: 43 Resp: 85873
Ion Ratio Lower Upper
43 100
58 0.0 29.6 88.8#





#62

4-Bromofluorobenzene

Concen: 48.917 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.006 min

Lab File: VN075369.D

Acq: 22 Nov 2022 15:44

Instrument :

MSVOA_N

ClientSampleId :

PB149226ZHE#01

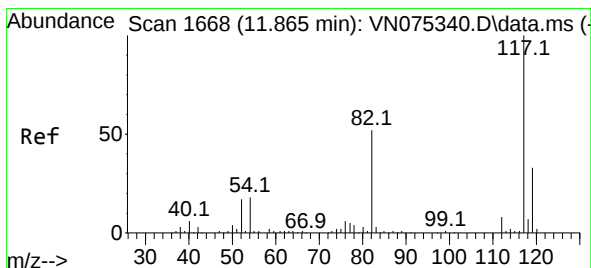
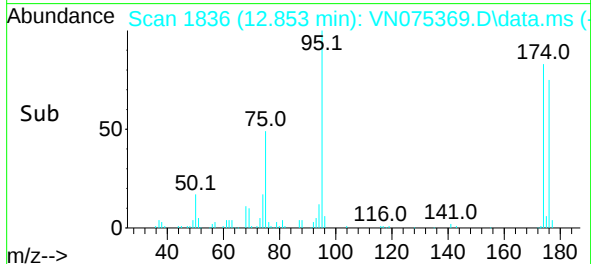
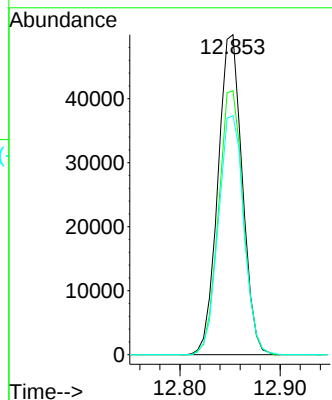
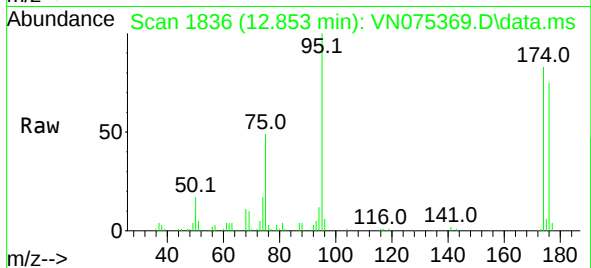
Tgt Ion: 95 Resp: 84368

Ion Ratio Lower Upper

95 100

174 83.5 0.0 147.4

176 78.1 0.0 142.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1669

Delta R.T. 0.006 min

Lab File: VN075369.D

Acq: 22 Nov 2022 15:44

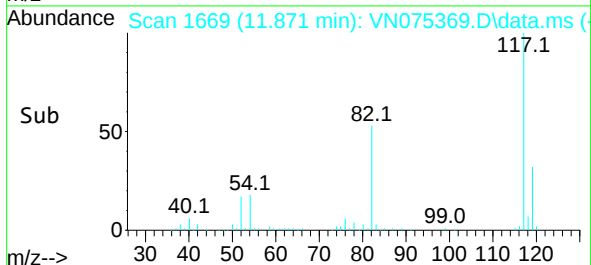
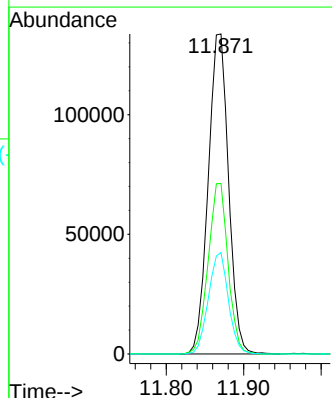
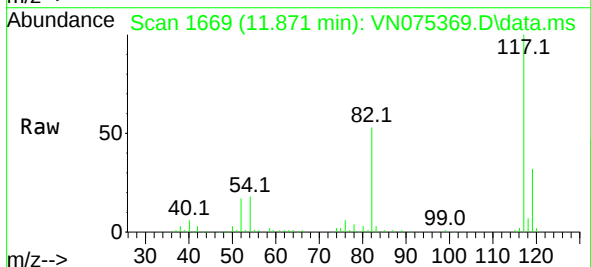
Tgt Ion: 117 Resp: 243592

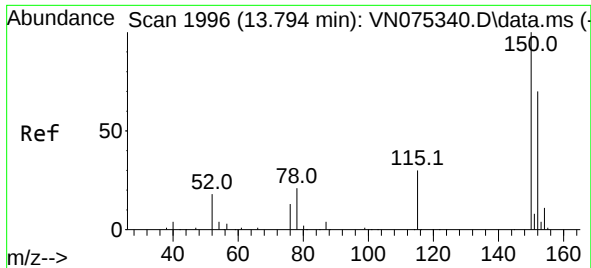
Ion Ratio Lower Upper

117 100

82 53.3 43.1 64.7

119 31.7 25.5 38.3

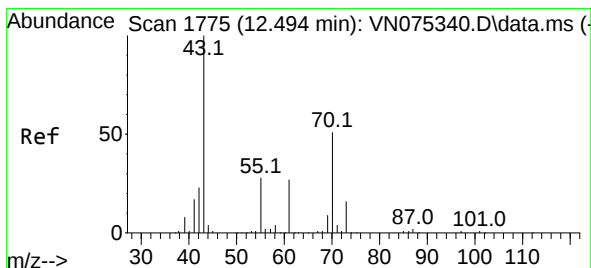
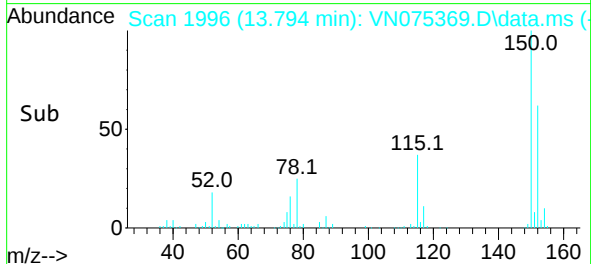
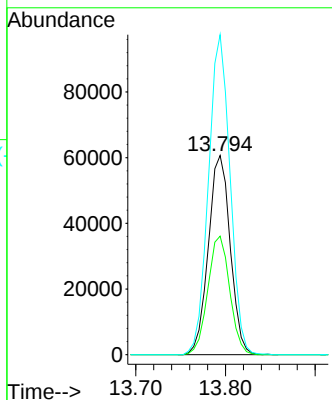
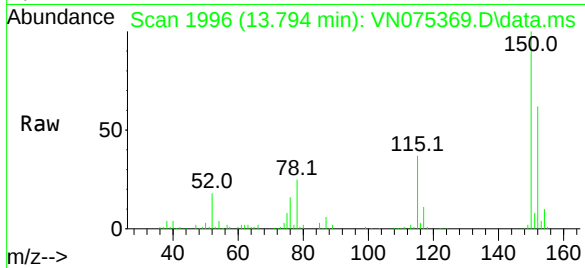




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075369.D
Acq: 22 Nov 2022 15:44

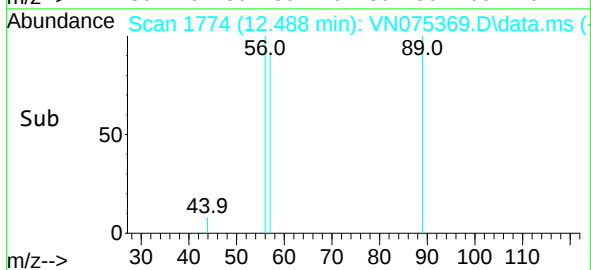
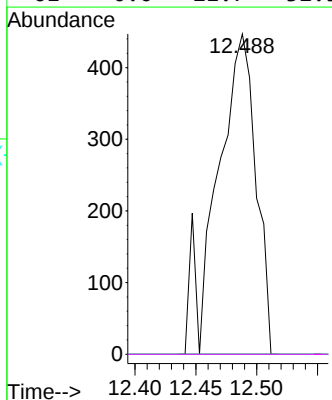
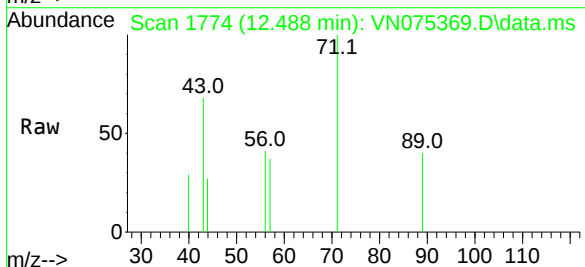
Instrument :
MSVOA_N
ClientSampleId :
PB149226ZHE#01

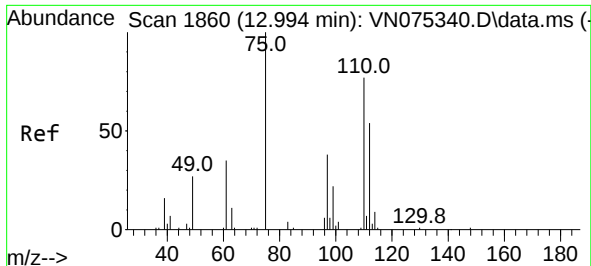
Tgt Ion:152 Resp: 102823
Ion Ratio Lower Upper
152 100
115 59.4 30.2 90.6
150 158.0 0.0 348.4



#74
N-ethyl acetate
Concen: 0.431 ug/l
RT: 12.488 min Scan# 1774
Delta R.T. -0.006 min
Lab File: VN075369.D
Acq: 22 Nov 2022 15:44

Tgt Ion: 43 Resp: 995
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#

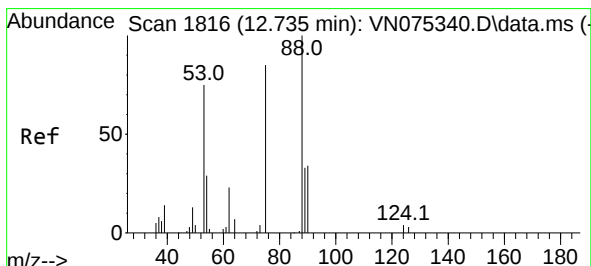
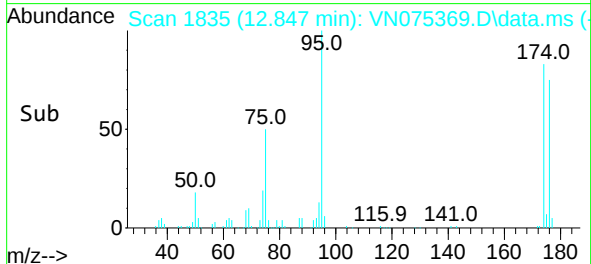
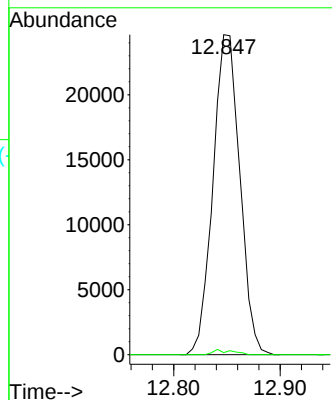
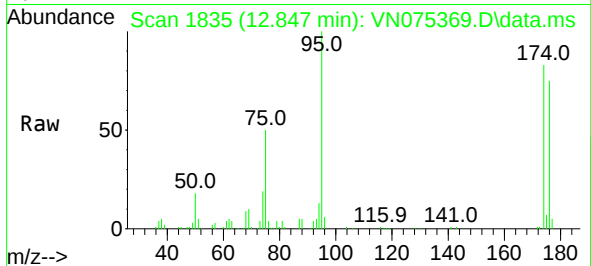




#76
1,2,3-Trichloropropane
Concen: 22.169 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075369.D
Acq: 22 Nov 2022 15:44

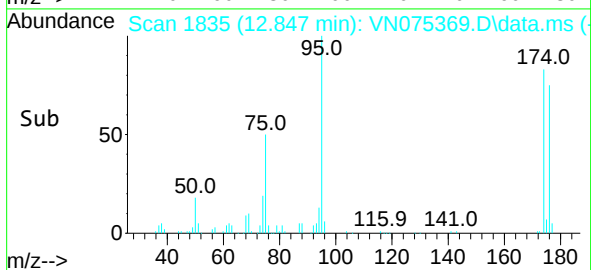
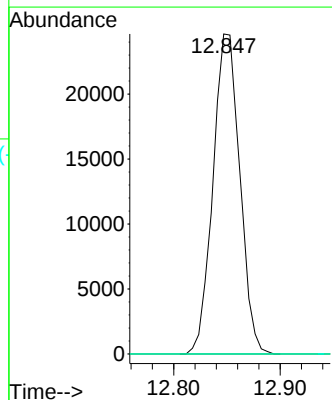
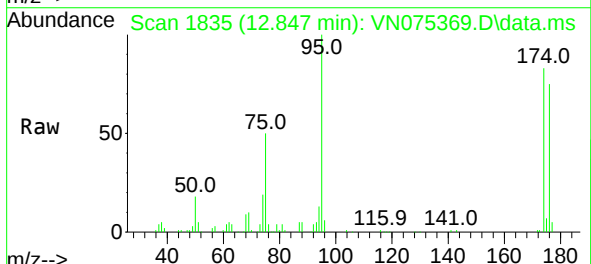
Instrument :
MSVOA_N
ClientSampleId :
PB149226ZHE#01

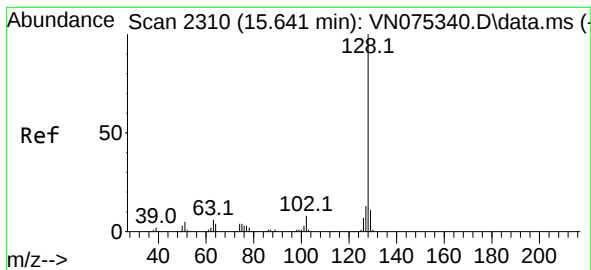
Tgt Ion: 75 Resp: 43100
Ion Ratio Lower Upper
75 100
77 1.1 75.6 226.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.595 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.112 min
Lab File: VN075369.D
Acq: 22 Nov 2022 15:44

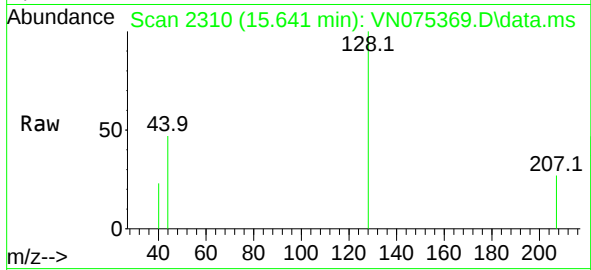
Tgt Ion: 75 Resp: 43100
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#





#95
Naphthalene
Concen: 0.212 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN075369.D
Acq: 22 Nov 2022 15:44

Instrument :
MSVOA_N
ClientSampleId :
PB149226ZHE#01



Tgt Ion:128 Resp: 1171
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.6 12.8#

