

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122322\
 Data File : VN075970.D
 Acq On : 23 Dec 2022 16:46
 Operator : JC\MD
 Sample : PB149839ZHE10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB149839ZHE#10

Quant Time: Dec 26 04:35:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

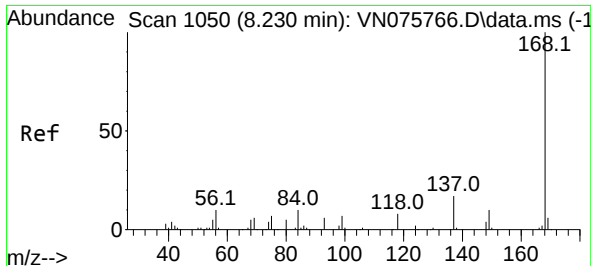
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	328516	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	543678	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	475555	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	193671	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	176308	49.331	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.660%		
35) Dibromofluoromethane	8.171	113	159066	47.244	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.480%		
50) Toluene-d8	10.571	98	633012	50.285	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.560%		
62) 4-Bromofluorobenzene	12.853	95	194334	46.609	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.220%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.530	59	2138	4.228	ug/l #	72
16) Acetone	4.448	43	56191	45.609	ug/l	98
18) Methyl Acetate	5.053	43	3378	0.928	ug/l #	64
20) Methylene Chloride	5.289	84	11651	2.932	ug/l	91
25) 2-Butanone	7.494	43	18473	10.709	ug/l	92
29) Tetrahydrofuran	7.865	42	2046	1.893	ug/l #	48
31) Cyclohexane	8.230	56	6584	1.286	ug/l #	16
36) 1,1-Dichloropropene	8.230	75	23785	5.318	ug/l #	49
37) Ethyl Acetate	7.571	43	33241	9.253	ug/l	98
38) Carbon Tetrachloride	8.230	117	31794	6.351	ug/l #	16
41) Methacrylonitrile	7.865	41	1196	0.640	ug/l #	40
42) 1,2-Dichloroethane	8.694	62	2159	0.471	ug/l #	72
43) Isopropyl Acetate	8.688	43	449658	75.875	ug/l #	66
45) 1,2-Dichloropropane	9.747	63	2029	0.604	ug/l #	43
48) Methyl methacrylate	9.677	41	4795	1.796	ug/l #	33
49) 1,4-Dioxane	9.735	88	54	0.823	ug/l #	30
51) 4-Methyl-2-Pentanone	10.447	43	18274	5.099	ug/l #	78
52) Toluene	10.630	92	3531	0.393	ug/l	98
53) t-1,3-Dichloropropene	10.730	75	1310	0.274	ug/l #	78
54) cis-1,3-Dichloropropene	10.365	75	72001	13.716	ug/l #	62
56) Ethyl methacrylate	10.988	69	1716	0.366	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	9266	1.601	ug/l #	42
59) 2-Hexanone	11.177	43	160248	61.311	ug/l #	20
71) Bromoform	12.853	173	1718	0.653	ug/l #	1
74) N-amyl acetate	12.465	43	1480	0.360	ug/l #	37
76) 1,2,3-Trichloropropane	12.853	75	100000	25.615	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	100000	92.202	ug/l #	12
95) Naphthalene	15.635	128	131	2.189	ug/l #	69

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

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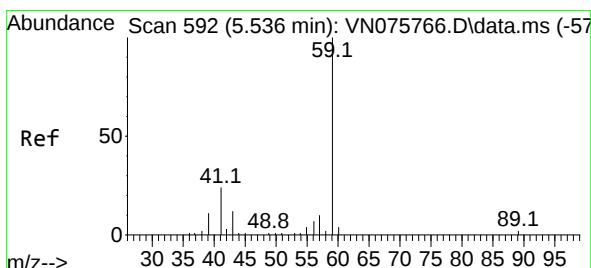
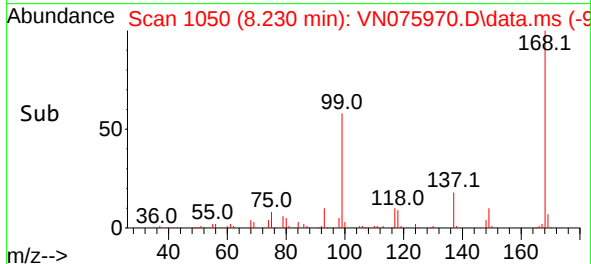
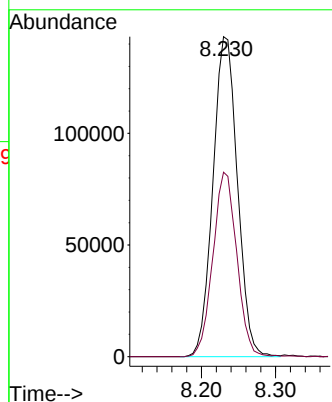
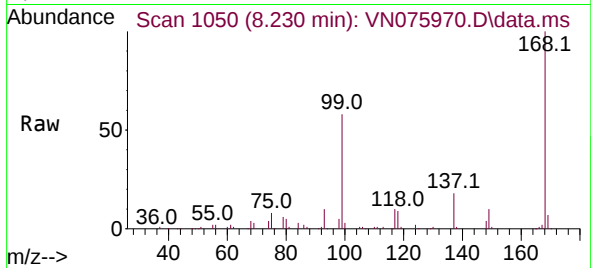




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN075970.D
Acq: 23 Dec 2022 16:46

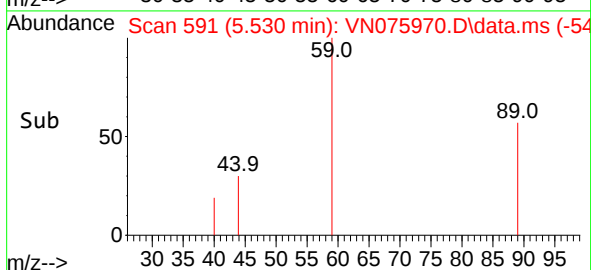
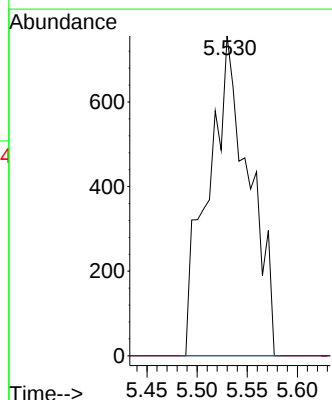
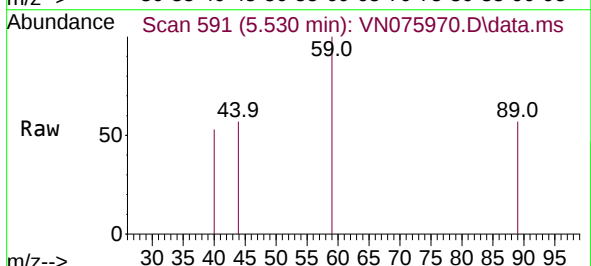
Instrument :
MSVOA_N
ClientSampleId :
PB149839ZHE#10

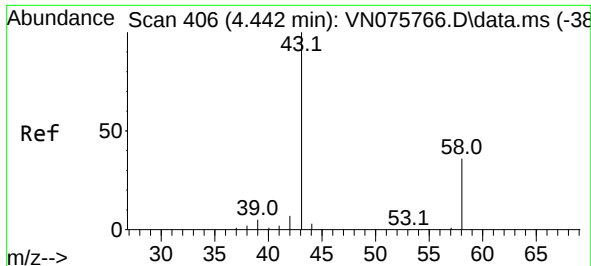
Tgt Ion:168 Resp: 328516
Ion Ratio Lower Upper
168 100
99 57.7 44.2 66.4



#11
Tert butyl alcohol
Concen: 4.228 ug/l
RT: 5.530 min Scan# 591
Delta R.T. -0.006 min
Lab File: VN075970.D
Acq: 23 Dec 2022 16:46

Tgt Ion: 59 Resp: 2138
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

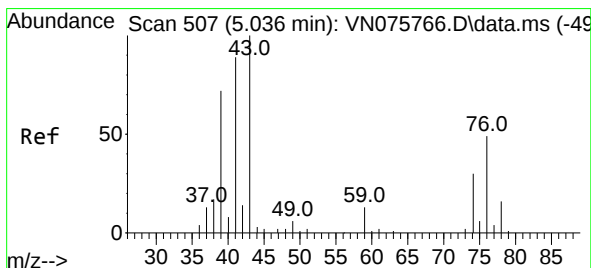
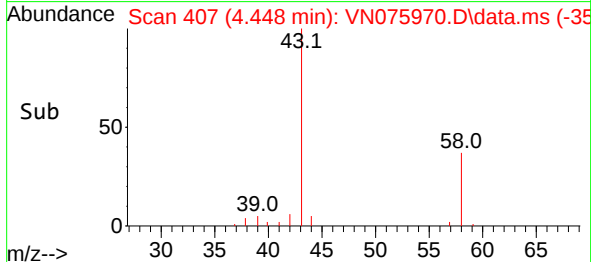
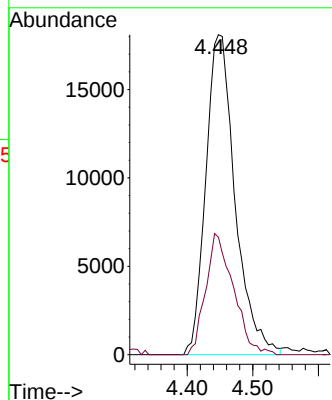
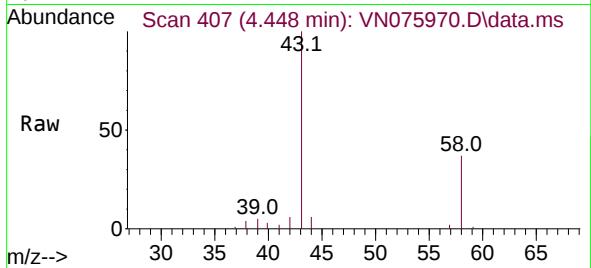




#16
Acetone
Concen: 45.609 ug/l
RT: 4.448 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN075970.D
Acq: 23 Dec 2022 16:46

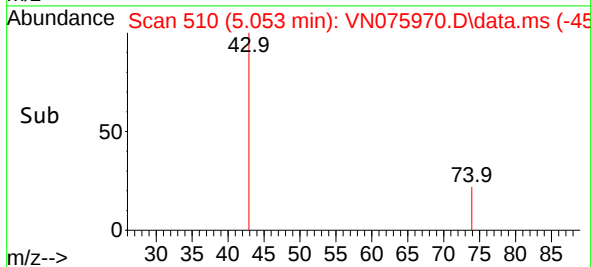
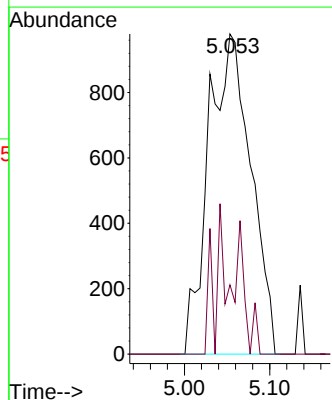
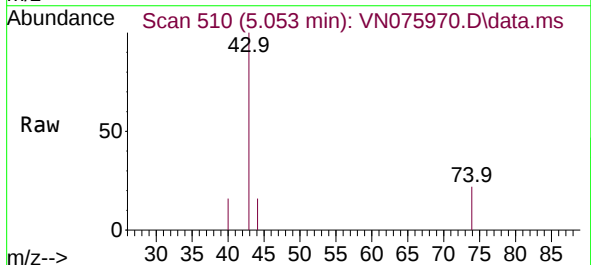
Instrument :
MSVOA_N
ClientSampleId :
PB149839ZHE#10

Tgt Ion: 43 Resp: 56191
Ion Ratio Lower Upper
43 100
58 36.7 28.6 43.0



#18
Methyl Acetate
Concen: 0.928 ug/l
RT: 5.053 min Scan# 510
Delta R.T. 0.018 min
Lab File: VN075970.D
Acq: 23 Dec 2022 16:46

Tgt Ion: 43 Resp: 3378
Ion Ratio Lower Upper
43 100
74 10.3 23.6 35.4#

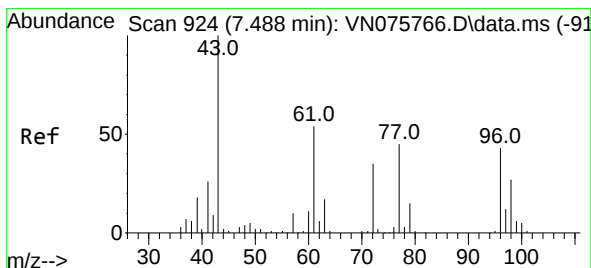
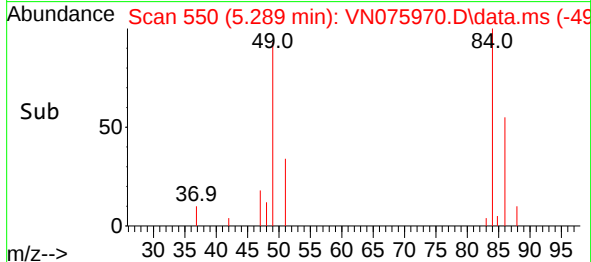
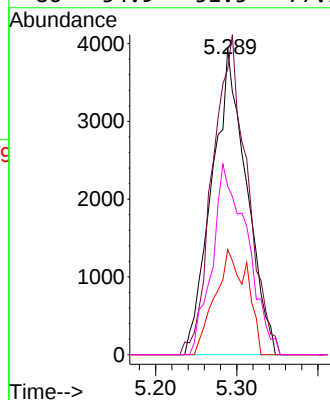
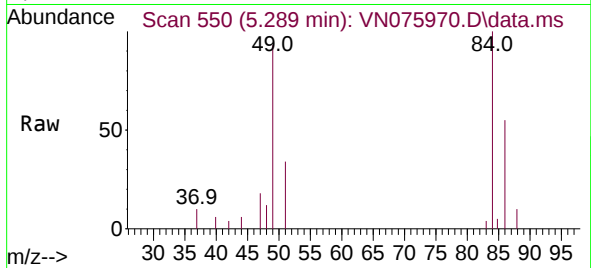




#20
Methylene Chloride
Concen: 2.932 ug/l
RT: 5.289 min Scan# 511
Delta R.T. -0.000 min
Lab File: VN075970.D
Acq: 23 Dec 2022 16:46

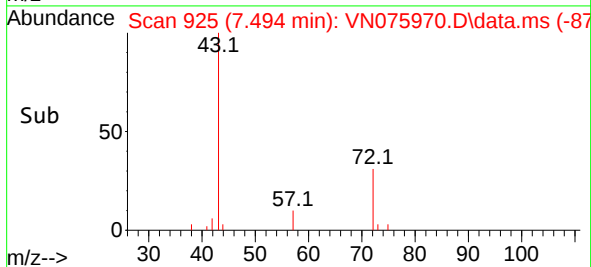
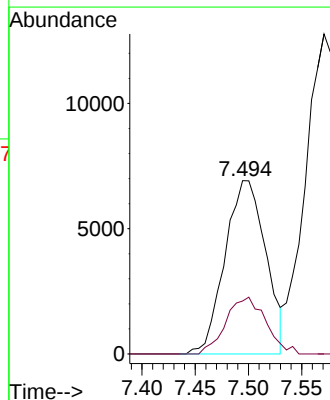
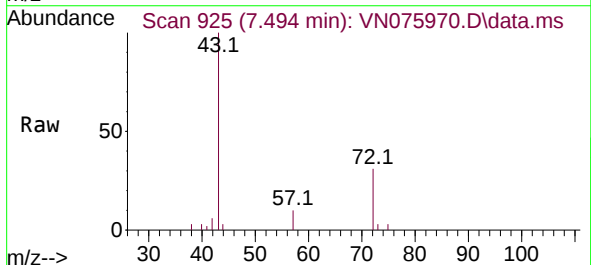
Instrument :
MSVOA_N
ClientSampleId :
PB149839ZHE#10

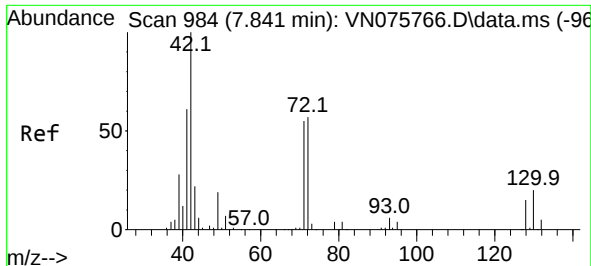
Tgt Ion: 84	Resp: 11651
Ion Ratio	Lower Upper
84 100	
49 93.1	81.8 122.6
51 34.3	26.7 40.1
86 54.9	51.5 77.3



#25
2-Butanone
Concen: 10.709 ug/l
RT: 7.494 min Scan# 925
Delta R.T. 0.006 min
Lab File: VN075970.D
Acq: 23 Dec 2022 16:46

Tgt Ion: 43	Resp: 18473		
Ion Ratio	Lower	Upper	
43 100			
72 30.6	28.0	42.0	





#29

Tetrahydrofuran

Concen: 1.893 ug/l

RT: 7.865 min Scan# 91

Delta R.T. 0.024 min

Lab File: VN075970.D

Acq: 23 Dec 2022 16:46

Instrument :

MSVOA_N

ClientSampleId :

PB149839ZHE#10

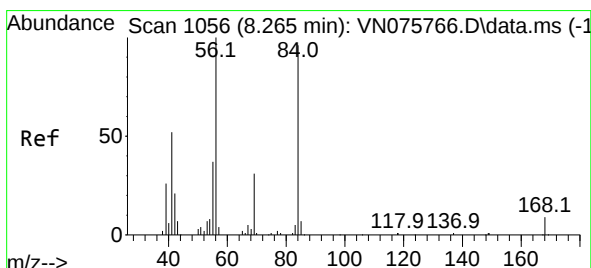
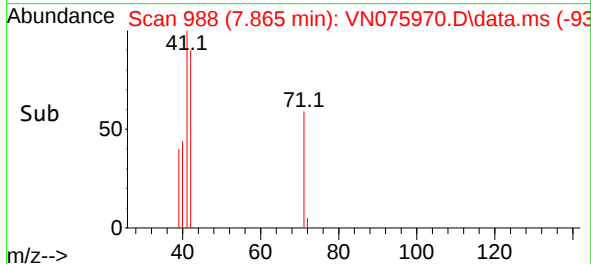
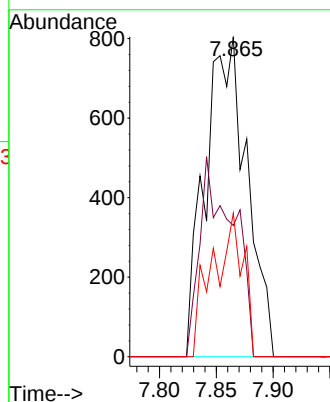
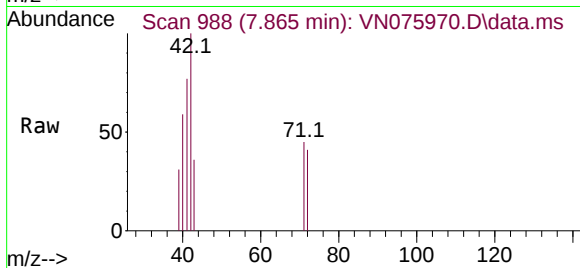
Tgt Ion: 42 Resp: 2046

Ion Ratio Lower Upper

42 100

72 0.0 44.5 66.7#

71 33.7 41.0 61.6#



#31

Cyclohexane

Concen: 1.286 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.035 min

Lab File: VN075970.D

Acq: 23 Dec 2022 16:46

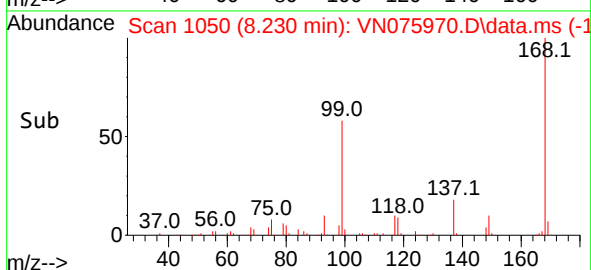
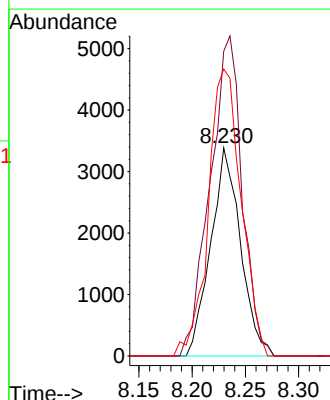
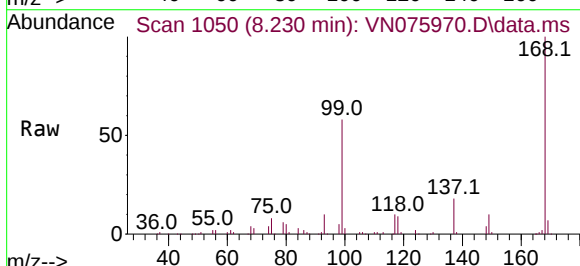
Tgt Ion: 56 Resp: 6584

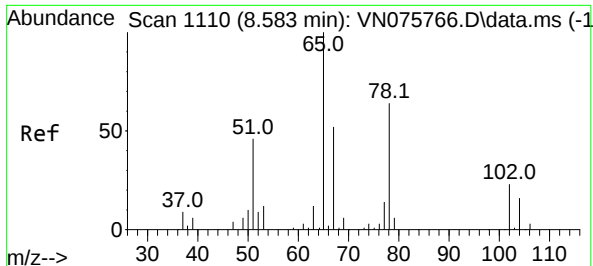
Ion Ratio Lower Upper

56 100

69 146.4 24.7 37.1#

84 137.9 76.5 114.7#





#33

1,2-Dichloroethane-d4

Concen: 49.331 ug/l

RT: 8.588 min Scan# 1110

Delta R.T. 0.006 min

Lab File: VN075970.D

Acq: 23 Dec 2022 16:46

Instrument :

MSVOA_N

ClientSampleId :

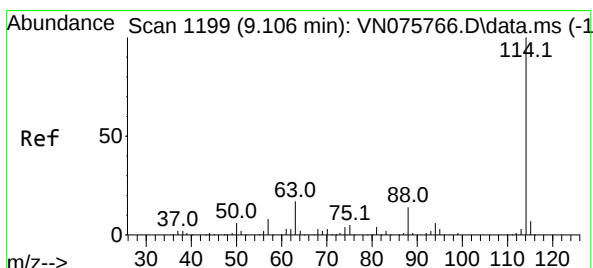
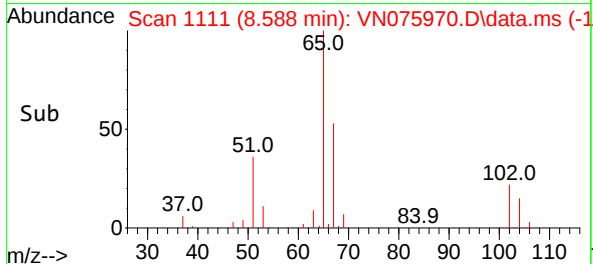
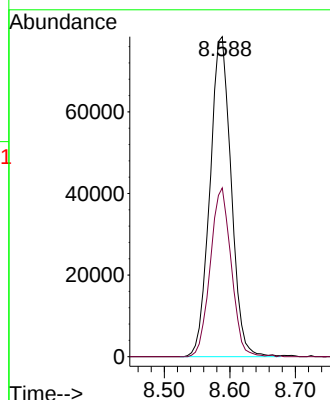
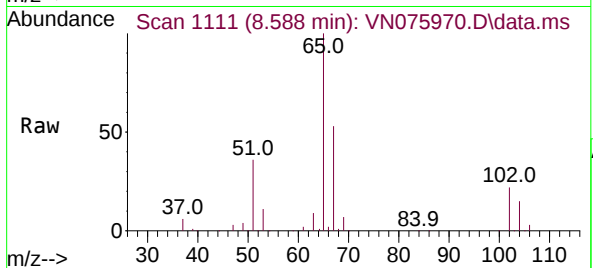
PB149839ZHE#10

Tgt Ion: 65 Resp: 176308

Ion Ratio Lower Upper

65 100

67 52.1 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN075970.D

Acq: 23 Dec 2022 16:46

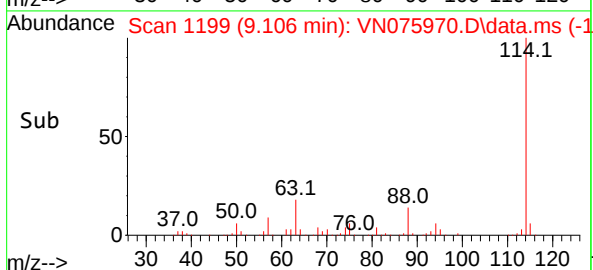
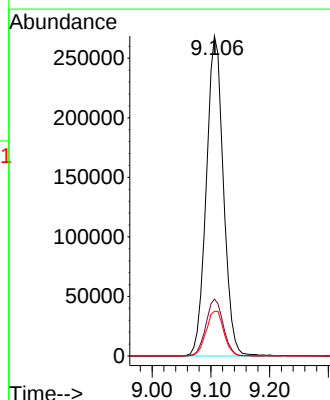
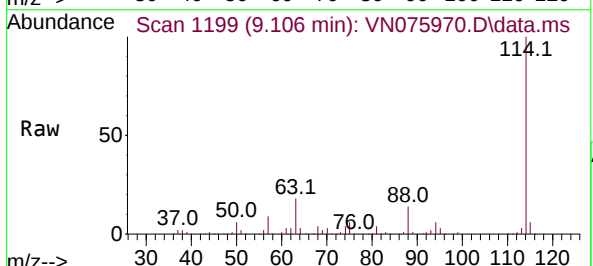
Tgt Ion: 114 Resp: 543678

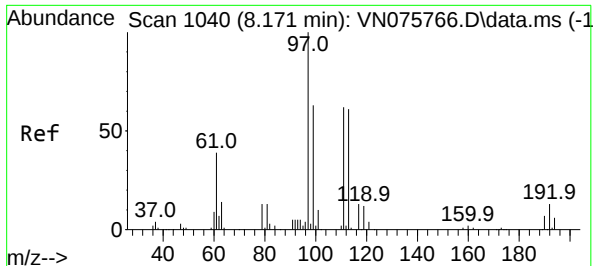
Ion Ratio Lower Upper

114 100

63 17.8 0.0 34.4

88 14.0 0.0 28.8

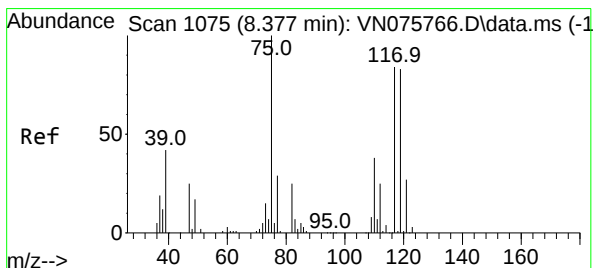
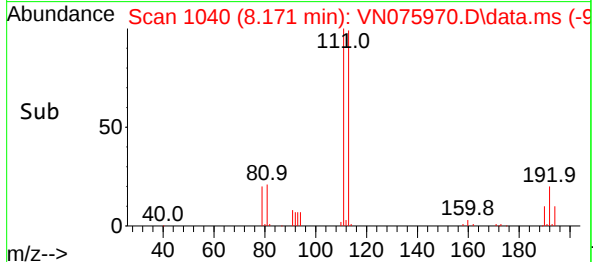
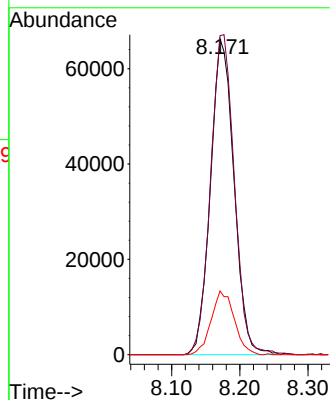
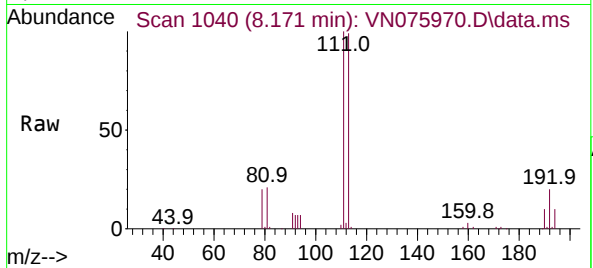




#35
Dibromofluoromethane
Concen: 47.244 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VN075970.D
Acq: 23 Dec 2022 16:46

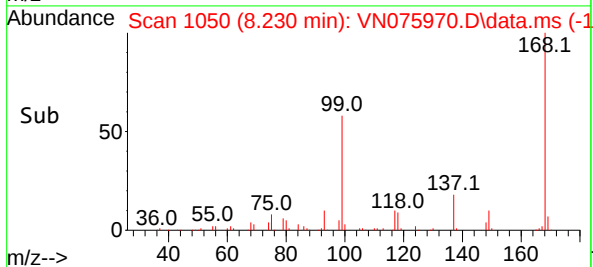
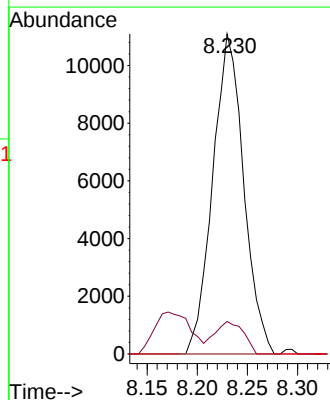
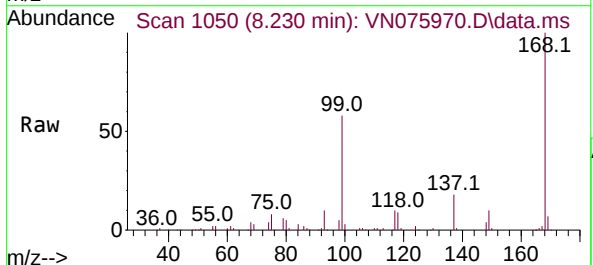
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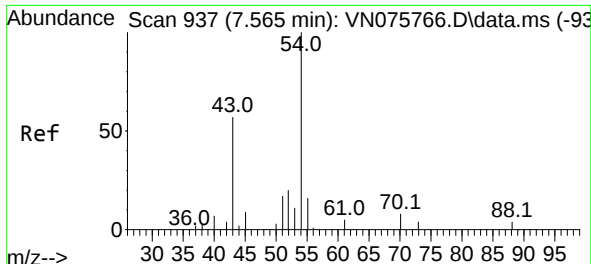
Tgt Ion:113 Resp: 159066
Ion Ratio Lower Upper
113 100
111 102.6 83.4 125.2
192 19.8 16.1 24.1



#36
1,1-Dichloropropene
Concen: 5.318 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN075970.D
Acq: 23 Dec 2022 16:46

Tgt Ion: 75 Resp: 23785
Ion Ratio Lower Upper
75 100
110 9.5 18.8 56.4#
77 0.0 24.1 36.1#

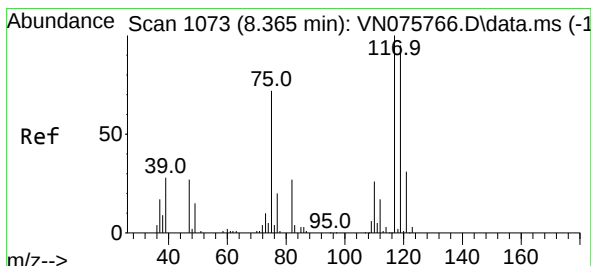
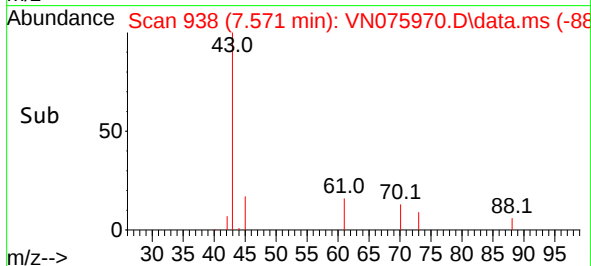
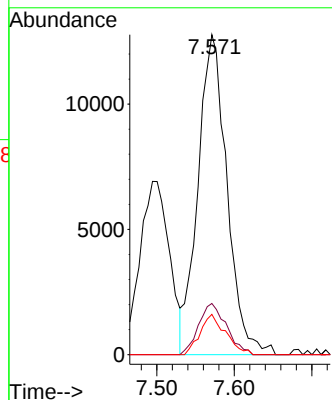
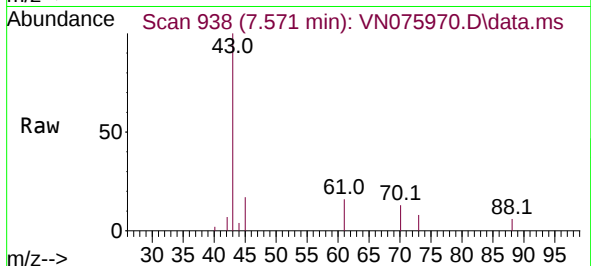




#37
Ethyl Acetate
Concen: 9.253 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN075970.D
Acq: 23 Dec 2022 16:46

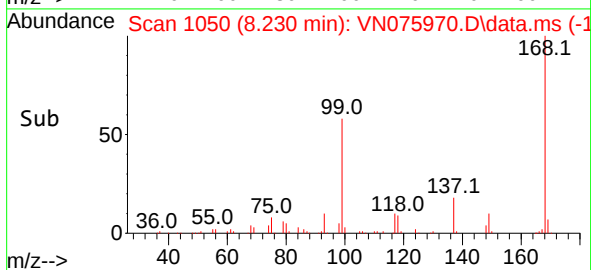
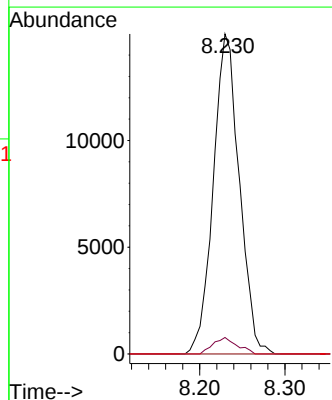
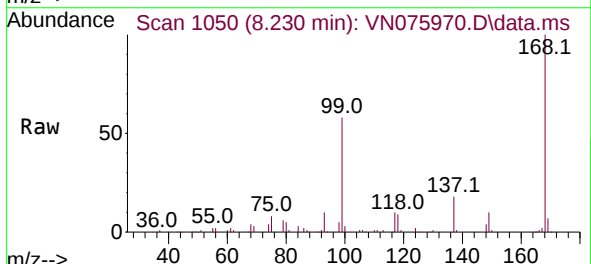
Instrument :
MSVOA_N
ClientSampleId :
PB149839ZHE#10

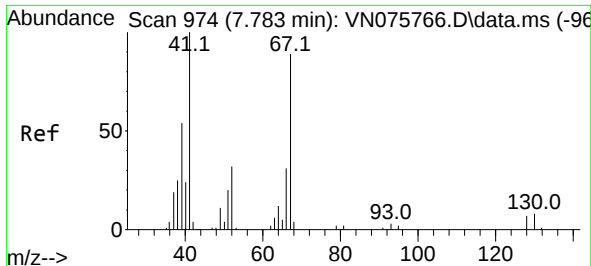
Tgt Ion: 43 Resp: 33241
Ion Ratio Lower Upper
43 100
61 15.4 13.0 19.4
70 11.1 9.4 14.0



#38
Carbon Tetrachloride
Concen: 6.351 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN075970.D
Acq: 23 Dec 2022 16:46

Tgt Ion: 117 Resp: 31794
Ion Ratio Lower Upper
117 100
119 5.2 76.1 114.1#
121 0.0 24.5 36.7#

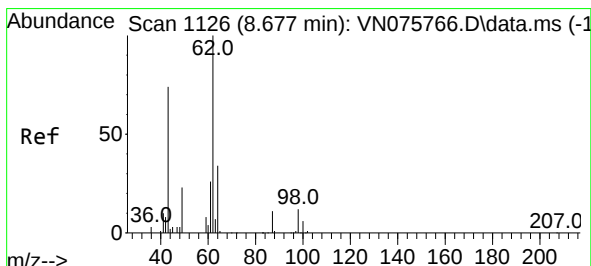
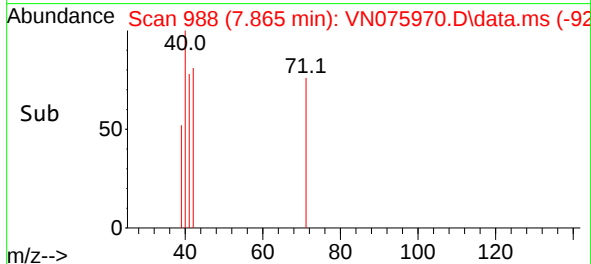
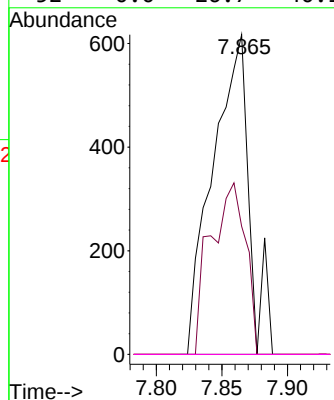
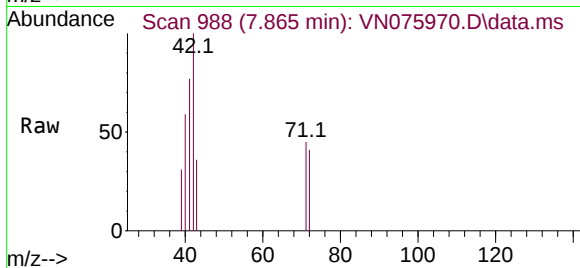




#41
Methacrylonitrile
Concen: 0.640 ug/l
RT: 7.865 min Scan# 911
Delta R.T. 0.082 min
Lab File: VN075970.D
Acq: 23 Dec 2022 16:46

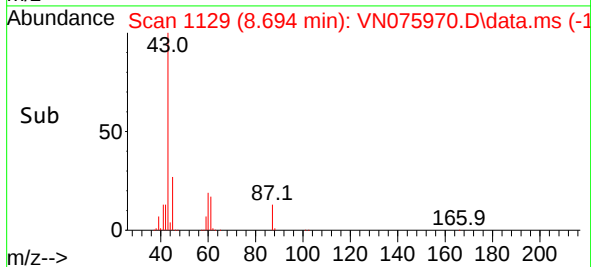
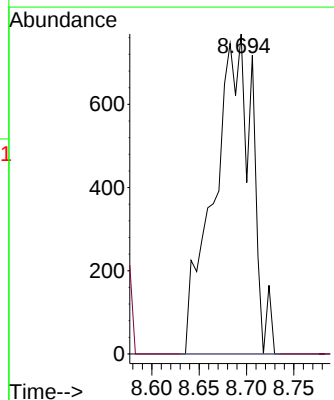
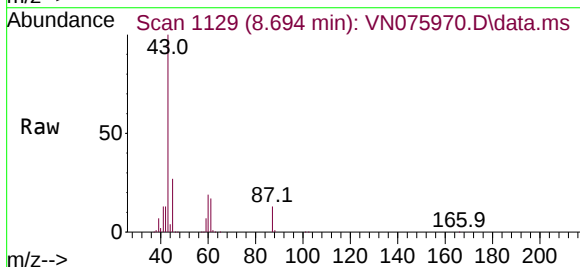
Instrument :
MSVOA_N
ClientSampleId :
PB149839ZHE#10

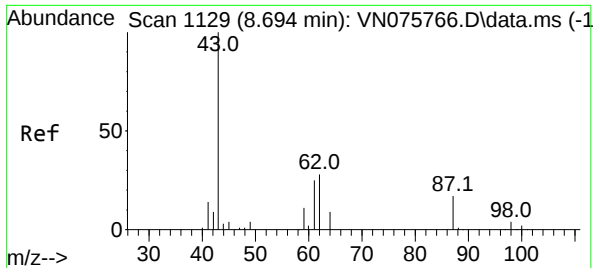
Tgt Ion: 41 Resp: 1196
Ion Ratio Lower Upper
41 100
39 51.6 43.1 64.7
67 0.0 70.7 106.1#
52 0.0 26.7 40.1#



#42
1,2-Dichloroethane
Concen: 0.471 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.018 min
Lab File: VN075970.D
Acq: 23 Dec 2022 16:46

Tgt Ion: 62 Resp: 2159
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.8

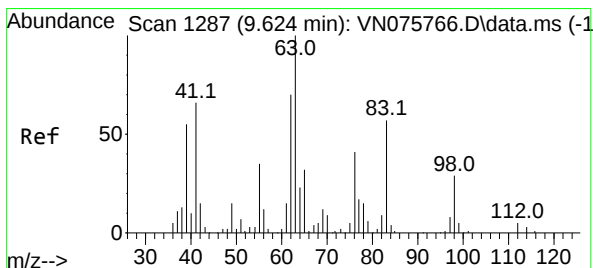
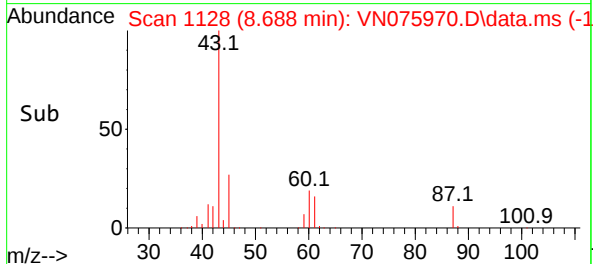
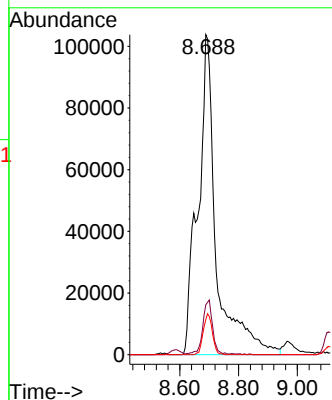
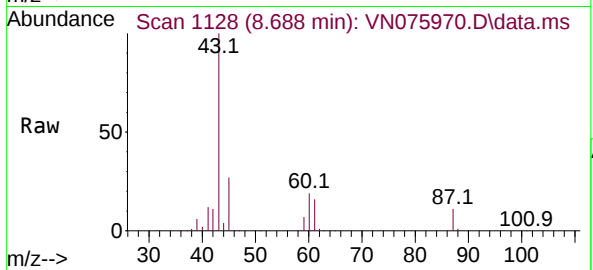




#43
Isopropyl Acetate
Concen: 75.875 ug/l
RT: 8.688 min Scan# 1128
Delta R.T. -0.006 min
Lab File: VN075970.D
Acq: 23 Dec 2022 16:46

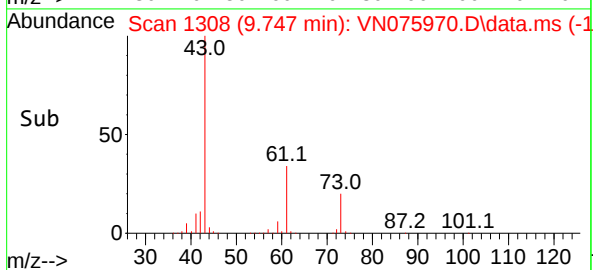
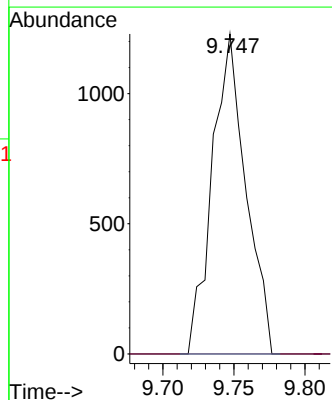
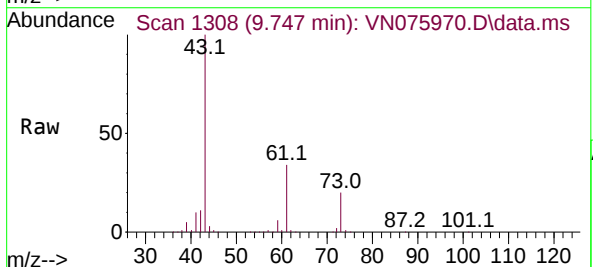
Instrument :
MSVOA_N
ClientSampleId :
PB149839ZHE#10

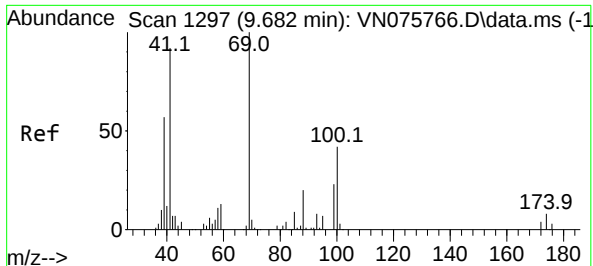
Tgt Ion: 43 Resp: 449658
Ion Ratio Lower Upper
43 100
61 8.9 24.2 36.4#
87 6.3 13.3 19.9#



#45
1,2-Dichloropropane
Concen: 0.604 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.124 min
Lab File: VN075970.D
Acq: 23 Dec 2022 16:46

Tgt Ion: 63 Resp: 2029
Ion Ratio Lower Upper
63 100
65 0.0 25.7 38.5#

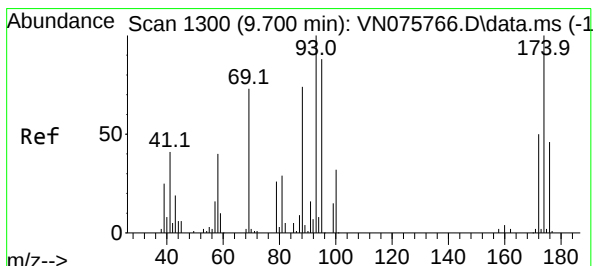
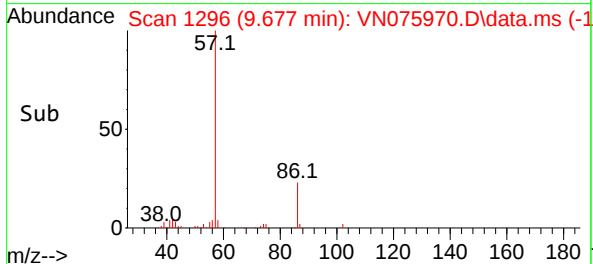
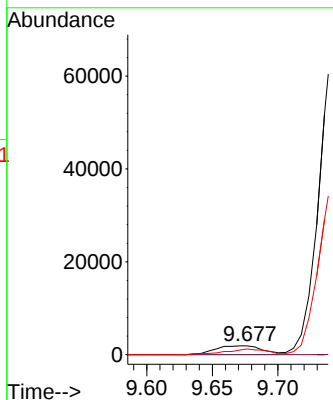
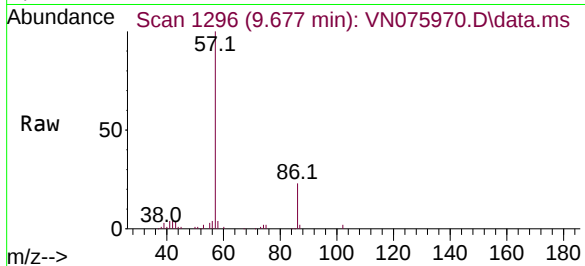




#48
Methyl methacrylate
Concen: 1.796 ug/l
RT: 9.677 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN075970.D
Acq: 23 Dec 2022 16:46

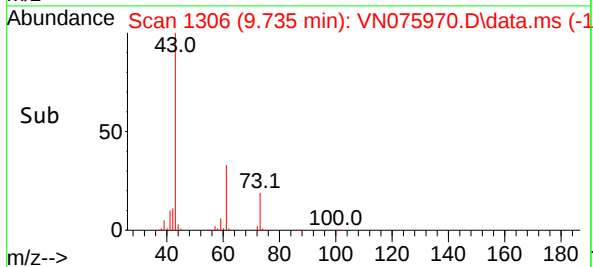
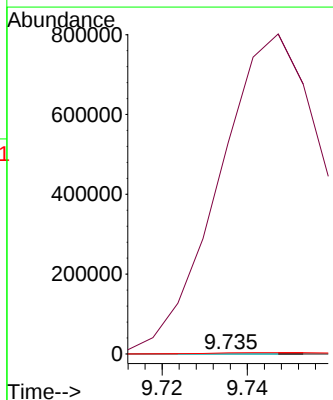
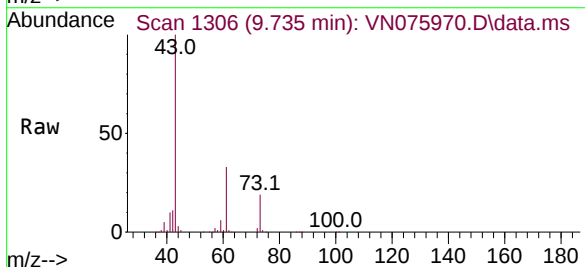
Instrument :
MSVOA_N
ClientSampleId :
PB149839ZHE#10

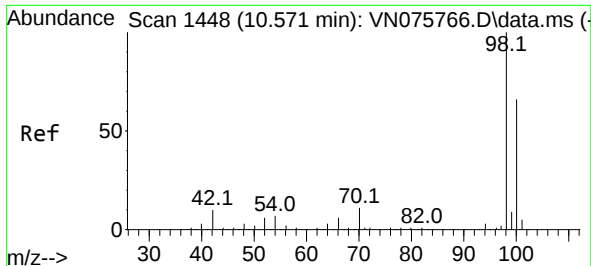
Tgt Ion: 41 Resp: 4795
Ion Ratio Lower Upper
41 100
69 0.0 81.9 122.9#
39 55.2 51.6 77.4



#49
1,4-Dioxane
Concen: 0.823 ug/l
RT: 9.735 min Scan# 1306
Delta R.T. 0.035 min
Lab File: VN075970.D
Acq: 23 Dec 2022 16:46

Tgt Ion: 88 Resp: 54
Ion Ratio Lower Upper
88 100
43 0.0 17.1 25.7#
58 0.0 47.8 71.8#

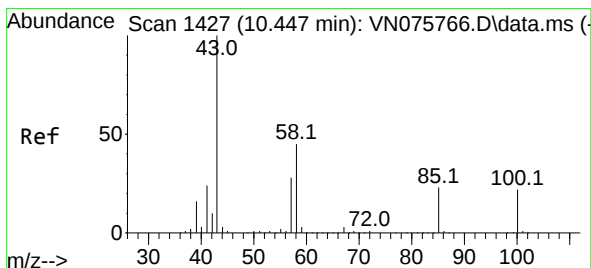
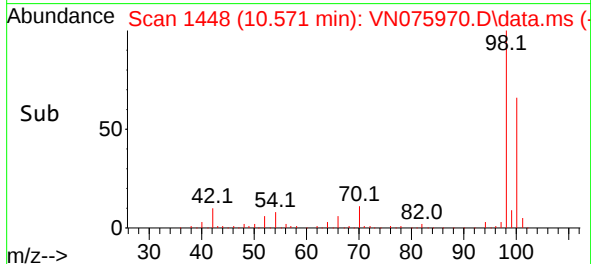
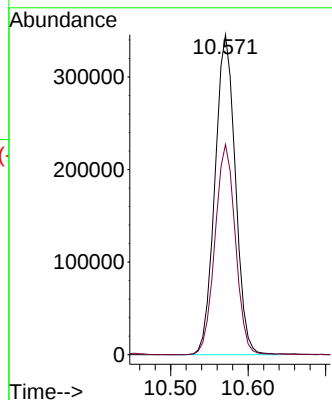
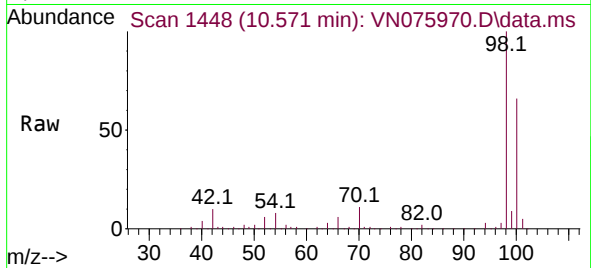




#50
Toluene-d8
Concen: 50.285 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN075970.D
Acq: 23 Dec 2022 16:46

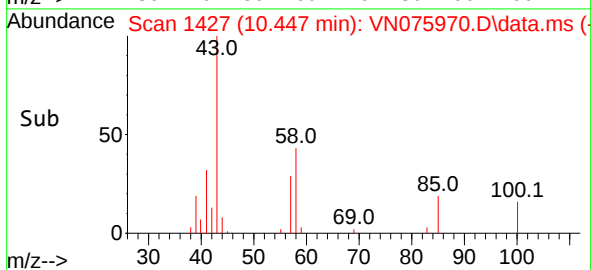
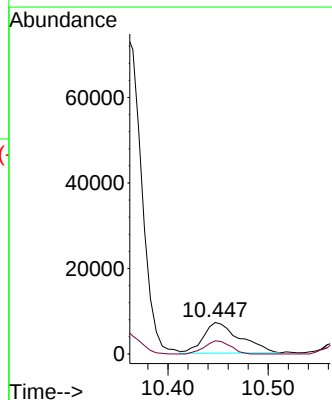
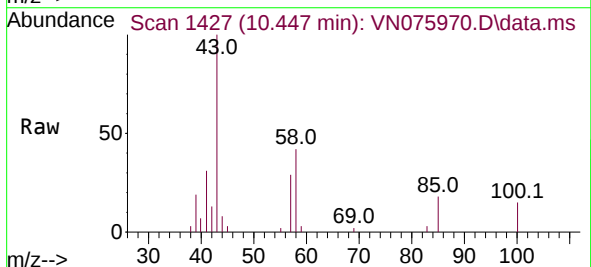
Instrument :
MSVOA_N
ClientSampleId :
PB149839ZHE#10

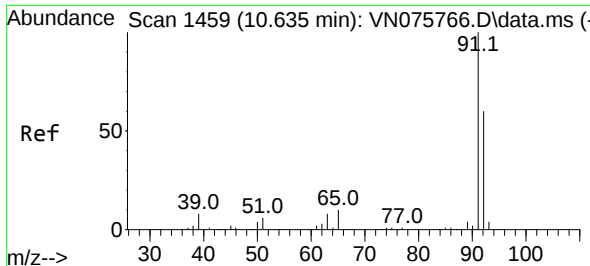
Tgt Ion: 98 Resp: 633012
Ion Ratio Lower Upper
98 100
100 65.6 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 5.099 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN075970.D
Acq: 23 Dec 2022 16:46

Tgt Ion: 43 Resp: 18274
Ion Ratio Lower Upper
43 100
58 30.1 35.5 53.3#

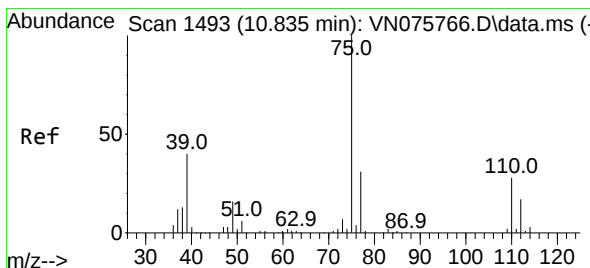
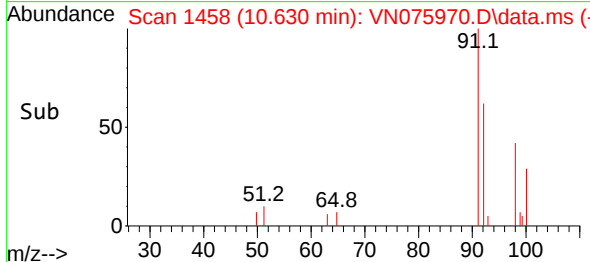
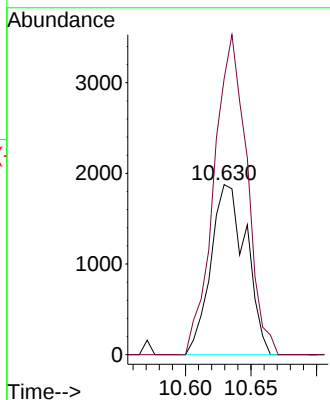
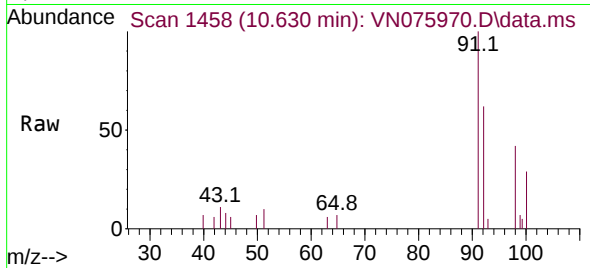




#52
Toluene
Concen: 0.393 ug/l
RT: 10.630 min Scan# 1459
Delta R.T. -0.006 min
Lab File: VN075970.D
Acq: 23 Dec 2022 16:46

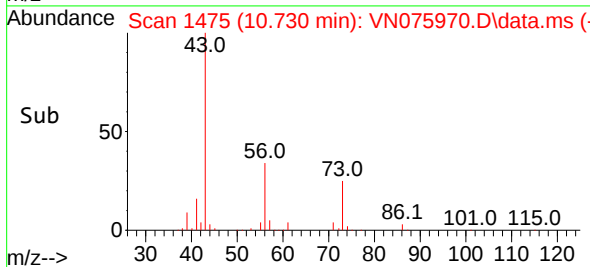
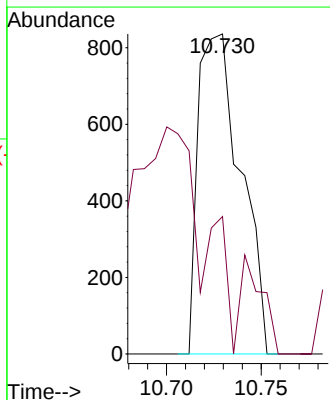
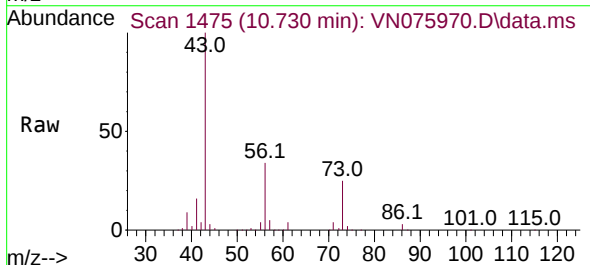
Instrument :
MSVOA_N
ClientSampleId :
PB149839ZHE#10

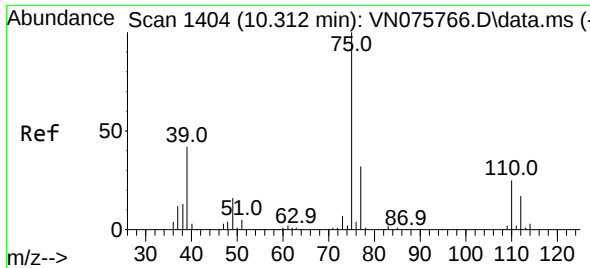
Tgt Ion: 92 Resp: 3531
Ion Ratio Lower Upper
92 100
91 174.5 137.3 205.9



#53
t-1,3-Dichloropropene
Concen: 0.274 ug/l
RT: 10.730 min Scan# 1475
Delta R.T. -0.106 min
Lab File: VN075970.D
Acq: 23 Dec 2022 16:46

Tgt Ion: 75 Resp: 1310
Ion Ratio Lower Upper
75 100
77 42.9 24.9 37.3#

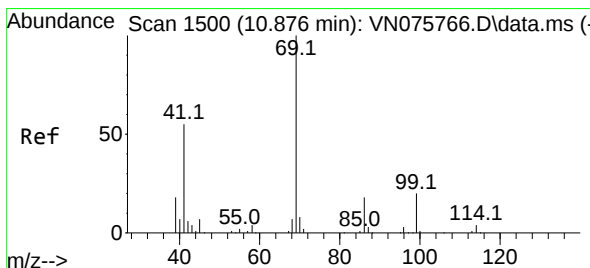
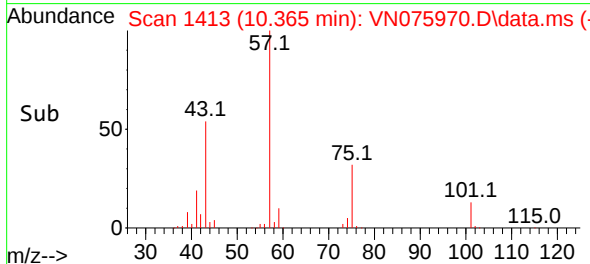
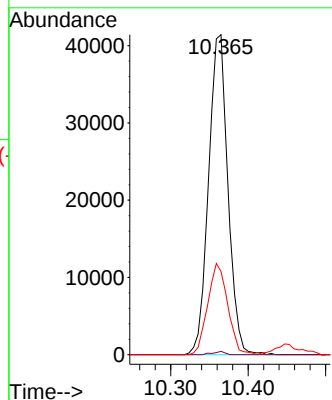
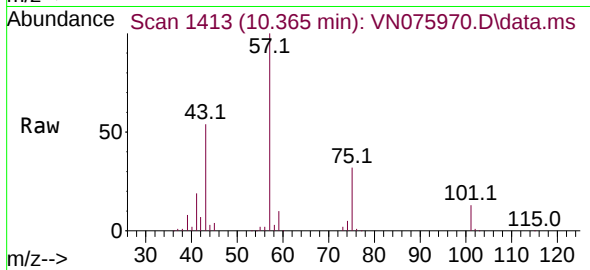




#54
 cis-1,3-Dichloropropene
 Concen: 13.716 ug/l
 RT: 10.365 min Scan# 1404
 Delta R.T. 0.053 min
 Lab File: VN075970.D
 Acq: 23 Dec 2022 16:46

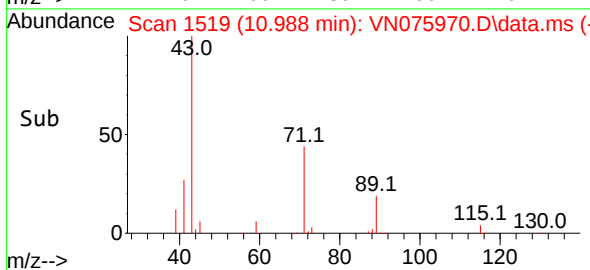
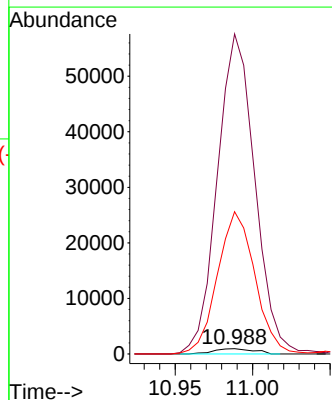
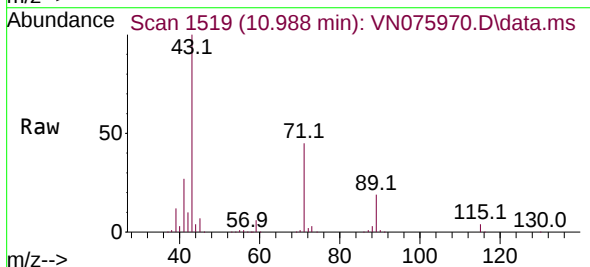
Instrument :
 MSVOA_N
 ClientSampleId :
 PB149839ZHE#10

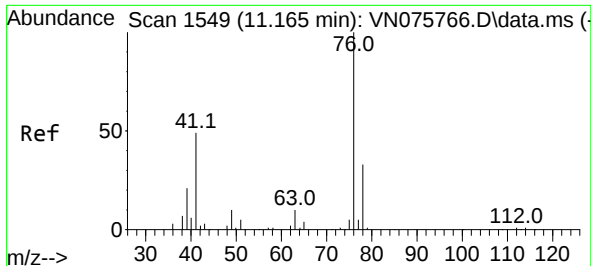
Tgt Ion: 75 Resp: 72001
 Ion Ratio Lower Upper
 75 100
 77 1.0 25.8 38.8#
 39 26.0 33.4 50.2#



#56
 Ethyl methacrylate
 Concen: 0.366 ug/l
 RT: 10.988 min Scan# 1519
 Delta R.T. 0.112 min
 Lab File: VN075970.D
 Acq: 23 Dec 2022 16:46

Tgt Ion: 69 Resp: 1716
 Ion Ratio Lower Upper
 69 100
 41 5659.7 44.2 66.4#
 39 2504.9 26.4 39.6#





#57

1,3-Dichloropropane

Concen: 1.601 ug/l

RT: 11.206 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN075970.D

Acq: 23 Dec 2022 16:46

Instrument :

MSVOA_N

ClientSampleId :

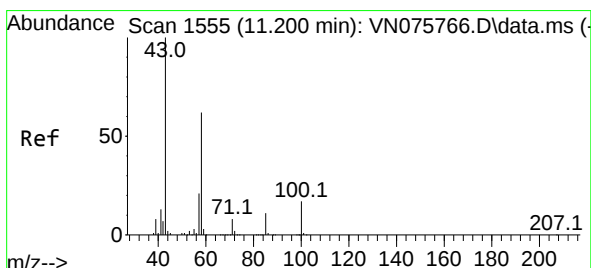
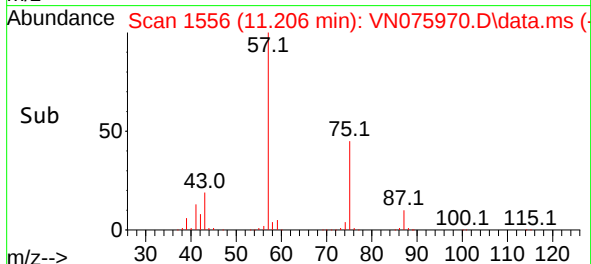
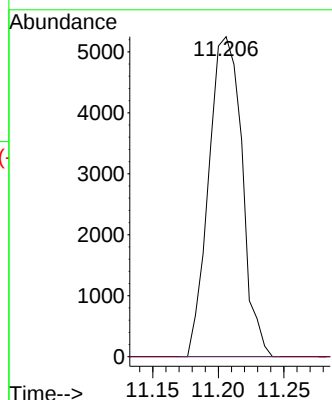
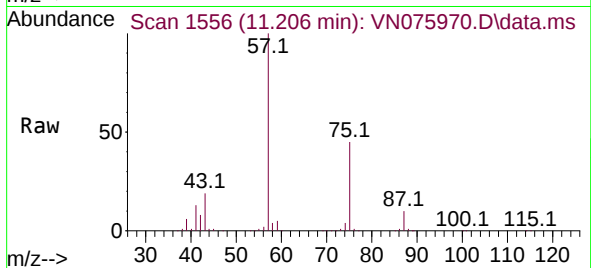
PB149839ZHE#10

Tgt Ion: 76 Resp: 9266

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#



#59

2-Hexanone

Concen: 61.311 ug/l

RT: 11.177 min Scan# 1551

Delta R.T. -0.023 min

Lab File: VN075970.D

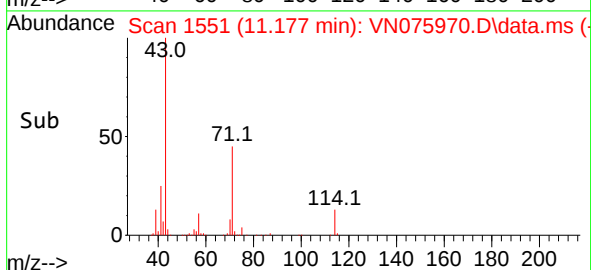
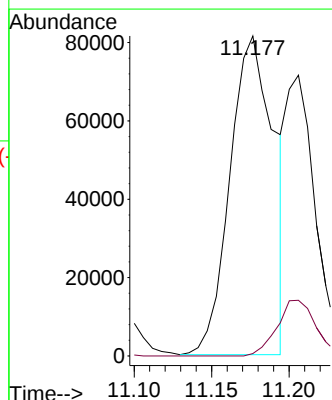
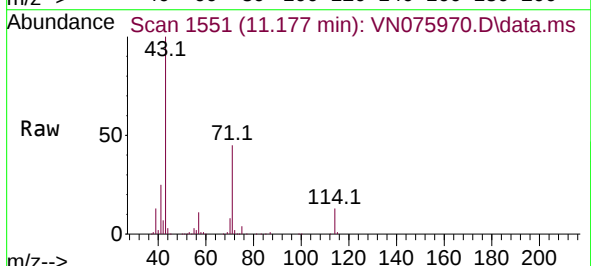
Acq: 23 Dec 2022 16:46

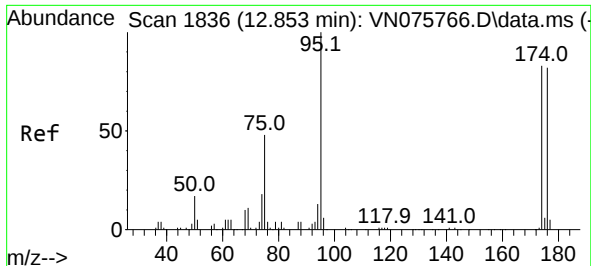
Tgt Ion: 43 Resp: 160248

Ion Ratio Lower Upper

43 100

58 0.0 30.6 92.0#

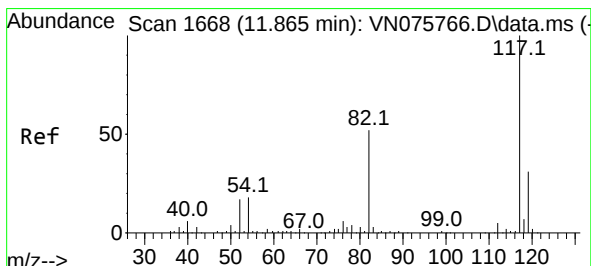
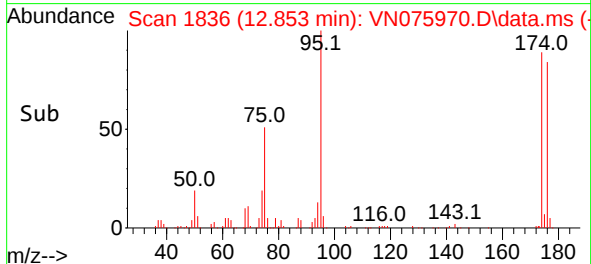
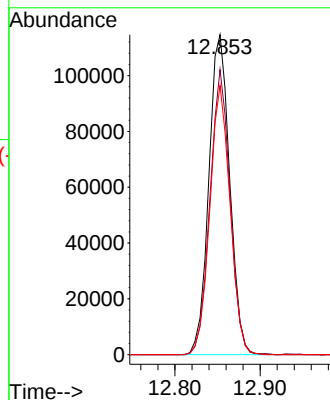
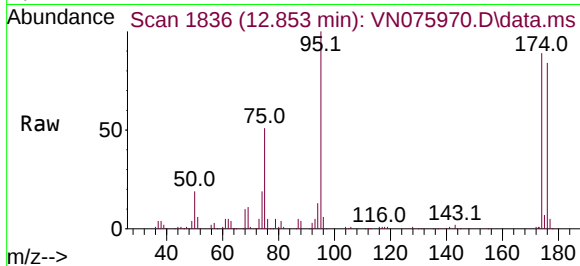




#62
4-Bromofluorobenzene
Concen: 46.609 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN075970.D
Acq: 23 Dec 2022 16:46

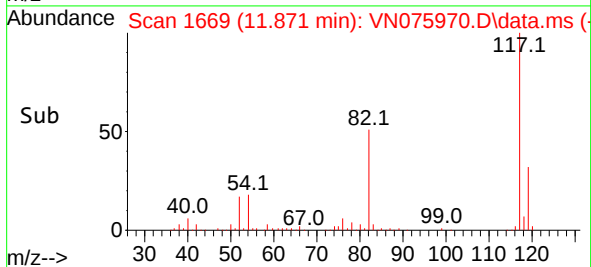
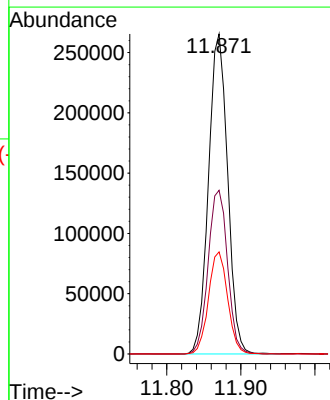
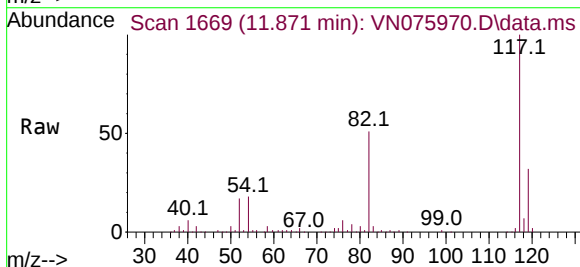
Instrument :
MSVOA_N
ClientSampleId :
PB149839ZHE#10

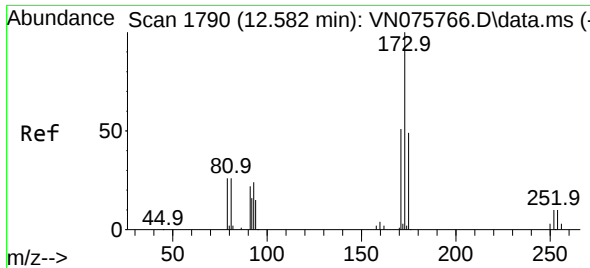
Tgt Ion: 95 Resp: 194334
Ion Ratio Lower Upper
95 100
174 86.2 0.0 171.6
176 81.8 0.0 169.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN075970.D
Acq: 23 Dec 2022 16:46

Tgt Ion: 117 Resp: 475555
Ion Ratio Lower Upper
117 100
82 51.2 41.3 61.9
119 31.9 24.6 37.0

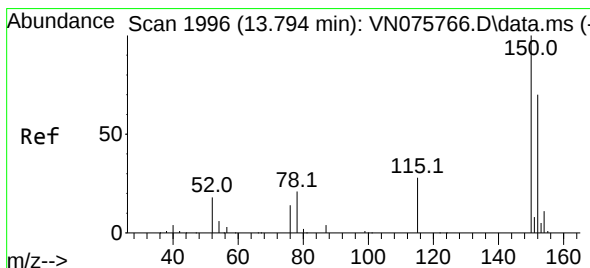
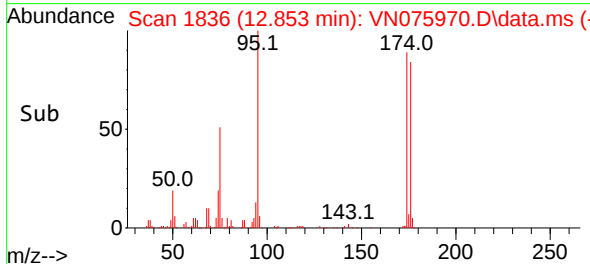
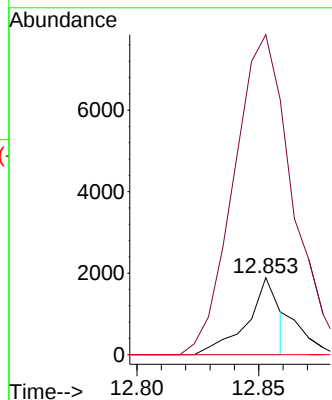
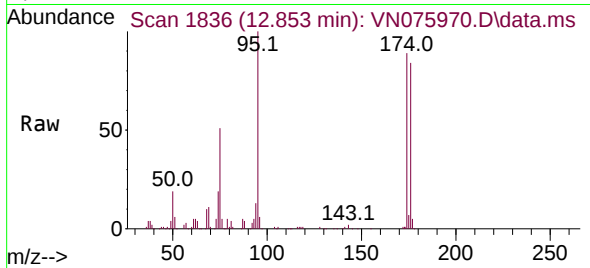




#71
Bromoform
Concen: 0.653 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN075970.D
Acq: 23 Dec 2022 16:46

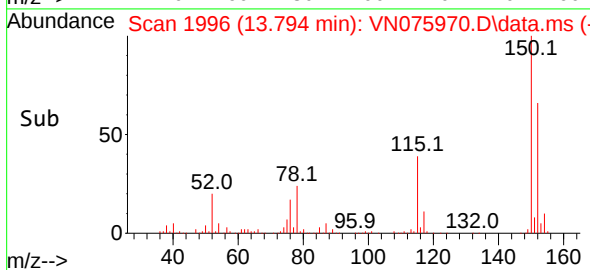
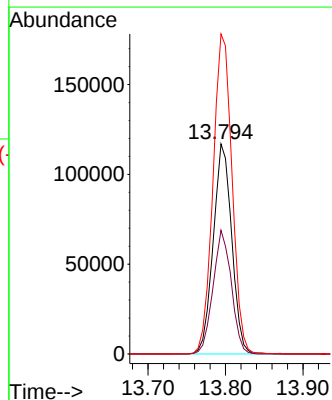
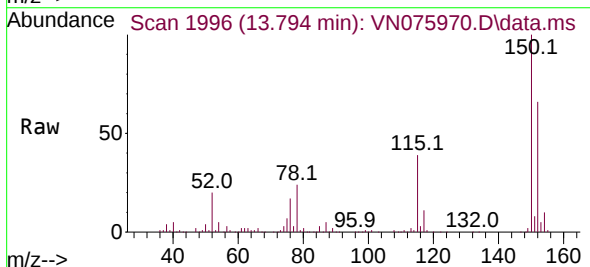
Instrument :
MSVOA_N
ClientSampleId :
PB149839ZHE#10

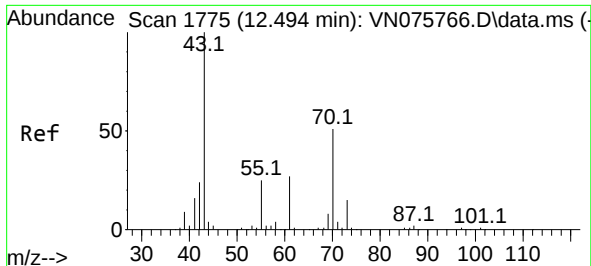
Tgt Ion:173 Resp: 1718
Ion Ratio Lower Upper
173 100
175 617.3 24.3 72.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075970.D
Acq: 23 Dec 2022 16:46

Tgt Ion:152 Resp: 193671
Ion Ratio Lower Upper
152 100
115 58.2 29.1 87.4
150 156.9 0.0 347.0

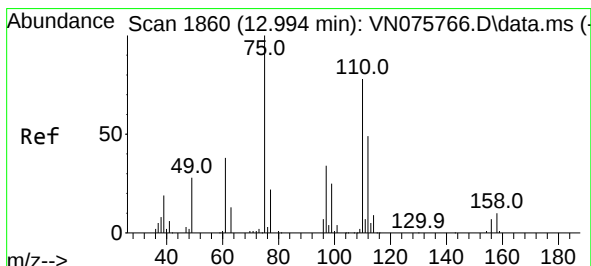
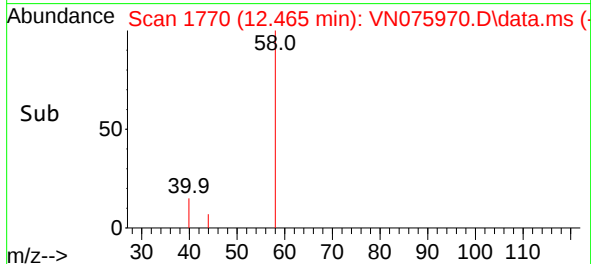
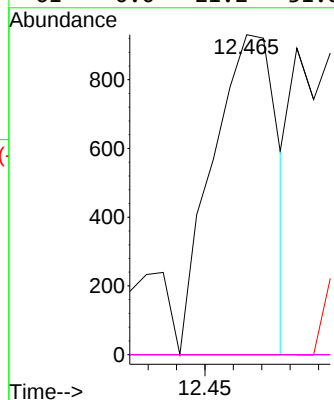
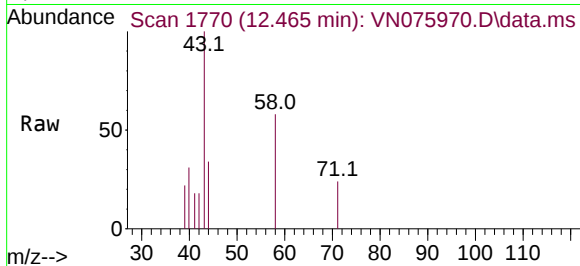




#74
N-amy1 acetate
Concen: 0.360 ug/l
RT: 12.465 min Scan# 11
Delta R.T. -0.029 min
Lab File: VN075970.D
Acq: 23 Dec 2022 16:46

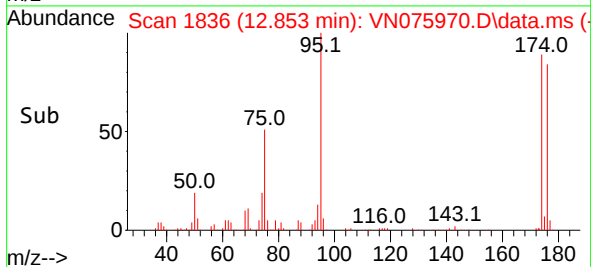
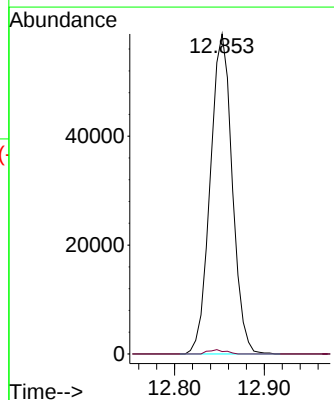
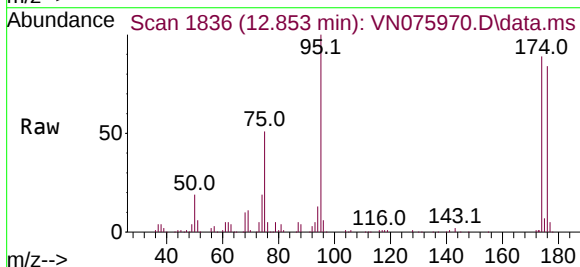
Instrument :
MSVOA_N
ClientSampleId :
PB149839ZHE#10

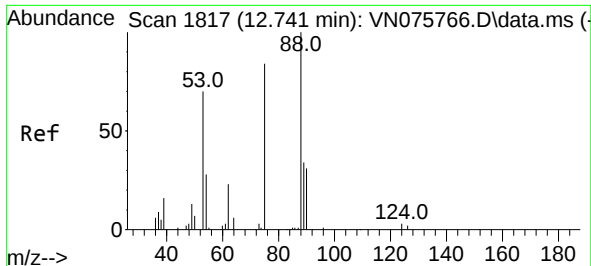
Tgt Ion: 43	Resp: 1480
Ion Ratio	Lower Upper
43 100	
70 0.0	41.4 62.0#
55 0.0	21.3 31.9#
61 0.0	21.2 31.8#



#76
1,2,3-Trichloropropane
Concen: 25.615 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075970.D
Acq: 23 Dec 2022 16:46

Tgt Ion: 75	Resp: 100000
Ion Ratio	Lower Upper
75 100	
77 1.1	82.6 247.8#

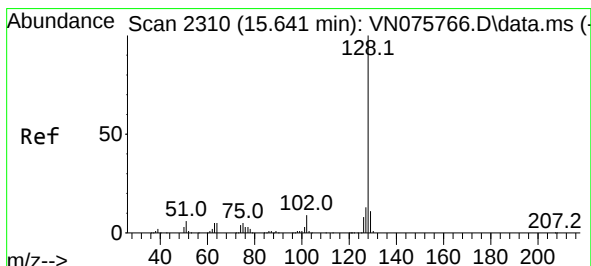
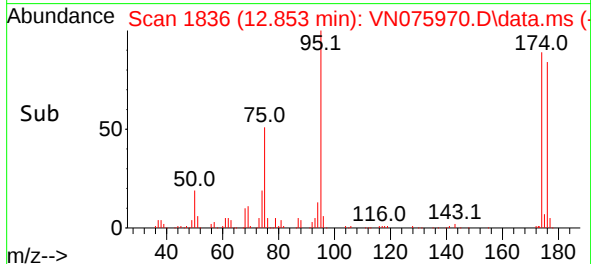
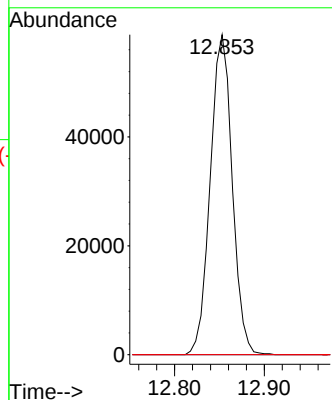
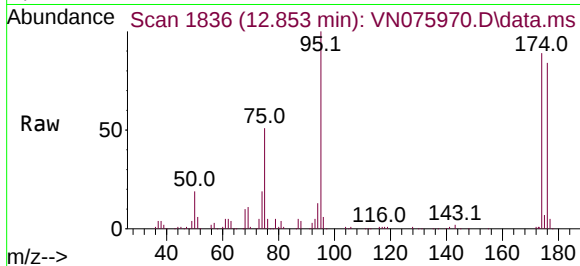




#81
trans-1,4-Dichloro-2-butene
Concen: 92.202 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN075970.D
Acq: 23 Dec 2022 16:46

Instrument :
MSVOA_N
ClientSampleId :
PB149839ZHE#10

Tgt Ion: 75 Resp: 100000
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#



#95
Naphthalene
Concen: 2.189 ug/l
RT: 15.635 min Scan# 2309
Delta R.T. -0.006 min
Lab File: VN075970.D
Acq: 23 Dec 2022 16:46

Tgt Ion: 128 Resp: 131
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.7 13.1#

