

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120722\
 Data File : VN075633.D
 Acq On : 08 Dec 2022 01:56
 Operator : JC\MD
 Sample : PB149441ZHE05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB149441ZHE05

Quant Time: Dec 08 06:45:00 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

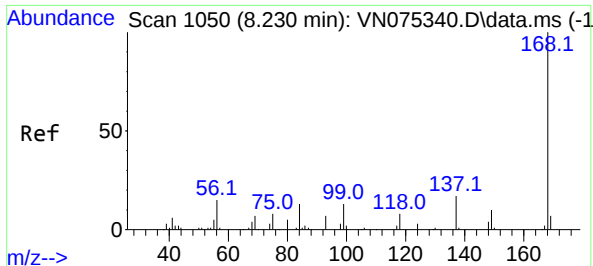
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.229	168	181925	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	311551	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	279418	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	128832	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	52333	53.590	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.180%			
35) Dibromofluoromethane	8.177	113	65822	53.782	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.560%			
50) Toluene-d8	10.570	98	144456	52.405	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.820%			
62) 4-Bromofluorobenzene	12.853	95	105364	51.786	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.580%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.500	59	5700	13.904	ug/l #	72
16) Acetone	4.441	43	14770	16.215	ug/l	94
18) Methyl Acetate	5.047	43	6882	1.747	ug/l	99
20) Methylene Chloride	5.289	84	7311	2.750	ug/l #	75
25) 2-Butanone	7.500	43	1563	1.229	ug/l #	43
31) Cyclohexane	8.224	56	3291	1.061	ug/l #	1
36) 1,1-Dichloropropene	8.229	75	12716	4.764	ug/l #	50
37) Ethyl Acetate	7.571	43	24745	10.297	ug/l	98
38) Carbon Tetrachloride	8.229	117	18464	6.298	ug/l #	15
42) 1,2-Dichloroethane	8.688	62	830	0.303	ug/l #	75
43) Isopropyl Acetate	8.694	43	261273	67.731	ug/l #	73
45) 1,2-Dichloropropane	9.741	63	1414	0.726	ug/l #	42
48) Methyl methacrylate	9.671	41	3048	1.709	ug/l #	33
49) 1,4-Dioxane	9.747	88	80	1.580	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	4594	1.870	ug/l	95
53) t-1,3-Dichloropropene	10.729	75	795	0.278	ug/l	99
54) cis-1,3-Dichloropropene	10.359	75	53037	17.053	ug/l #	62
56) Ethyl methacrylate	10.988	69	1076	0.371	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	7115	2.035	ug/l #	42
59) 2-Hexanone	11.176	43	107763	58.411	ug/l #	21
74) N-amyl acetate	12.494	43	1463	0.506	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	51933	21.320	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	51933	63.081	ug/l #	10

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

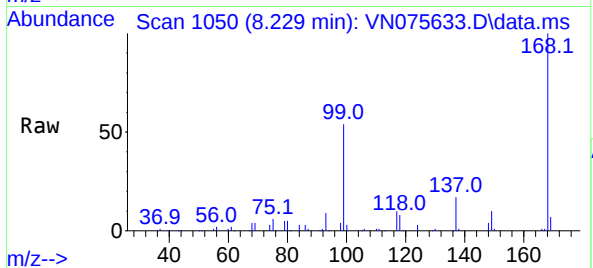
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 23 00:18:03 2022
Response via : Initial Calibration



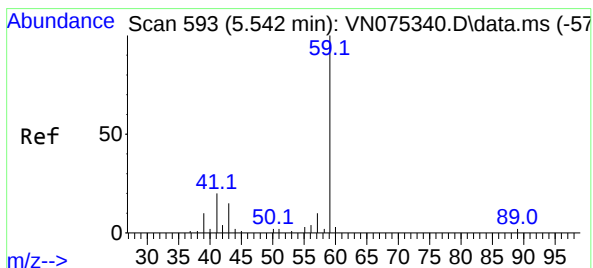
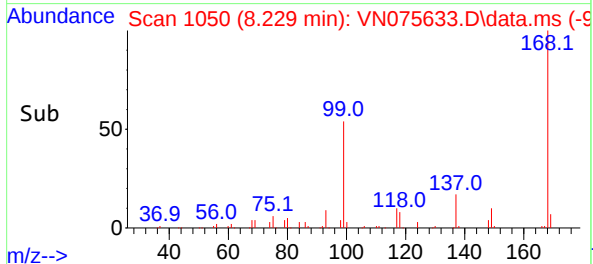
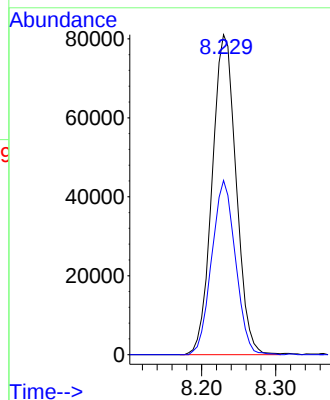


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN075633.D
Acq: 08 Dec 2022 01:56

Instrument :
MSVOA_N
ClientSampleId :
PB149441ZHE05

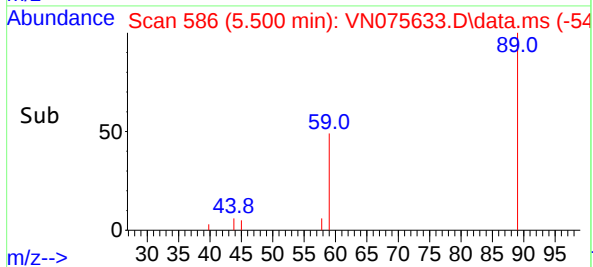
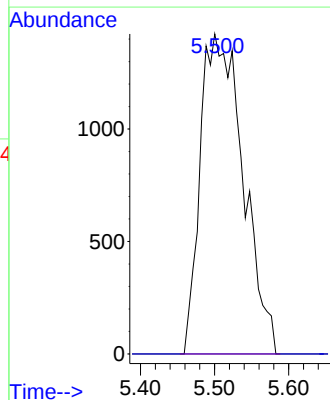
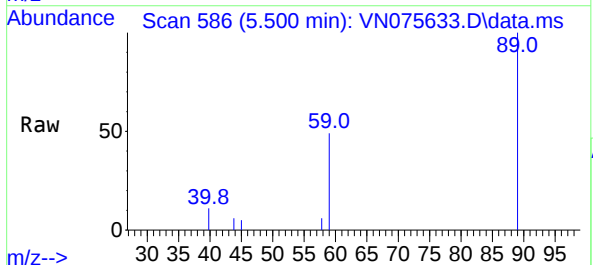


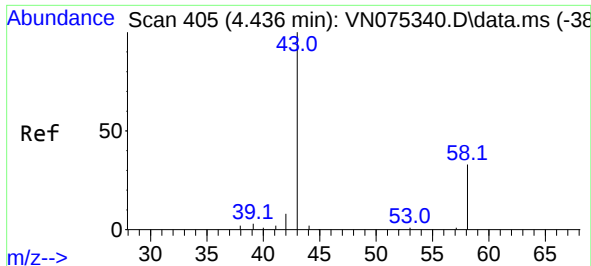
Tgt Ion:168 Resp: 181925
Ion Ratio Lower Upper
168 100
99 54.5 51.6 77.4



#11
Tert butyl alcohol
Concen: 13.904 ug/l
RT: 5.500 min Scan# 586
Delta R.T. -0.042 min
Lab File: VN075633.D
Acq: 08 Dec 2022 01:56

Tgt Ion: 59 Resp: 5700
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

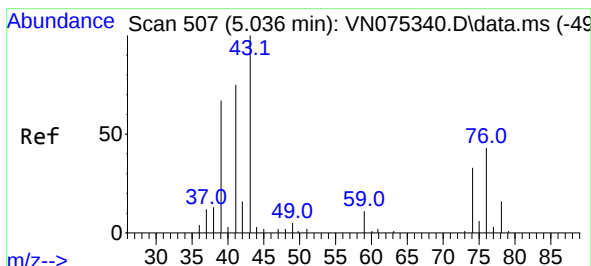
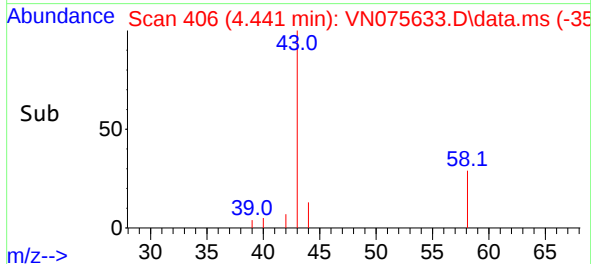
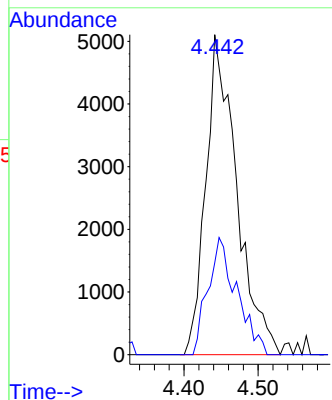
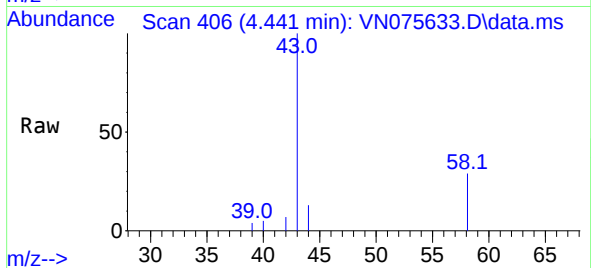




#16
Acetone
Concen: 16.215 ug/l
RT: 4.441 min Scan# 405
Delta R.T. 0.005 min
Lab File: VN075633.D
Acq: 08 Dec 2022 01:56

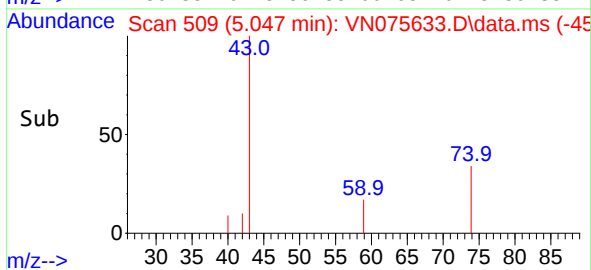
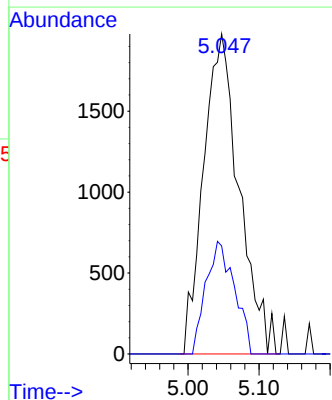
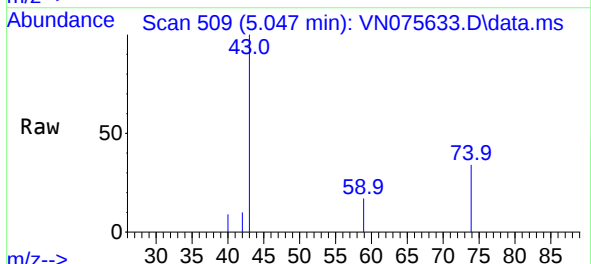
Instrument :
MSVOA_N
ClientSampleId :
PB149441ZHE05

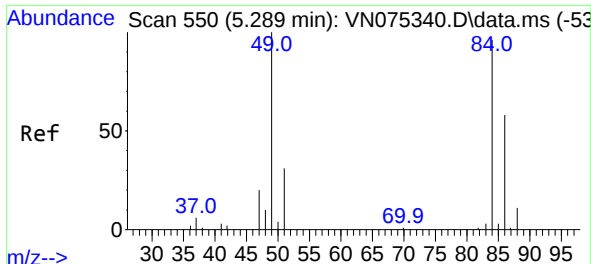
Tgt Ion: 43 Resp: 14770
Ion Ratio Lower Upper
43 100
58 28.8 25.5 38.3



#18
Methyl Acetate
Concen: 1.747 ug/l
RT: 5.047 min Scan# 509
Delta R.T. 0.011 min
Lab File: VN075633.D
Acq: 08 Dec 2022 01:56

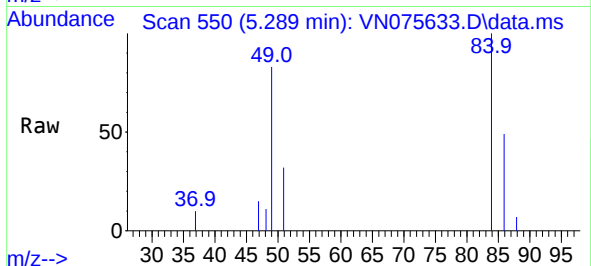
Tgt Ion: 43 Resp: 6882
Ion Ratio Lower Upper
43 100
74 28.1 22.0 33.0





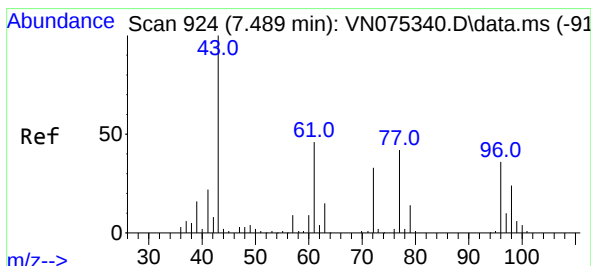
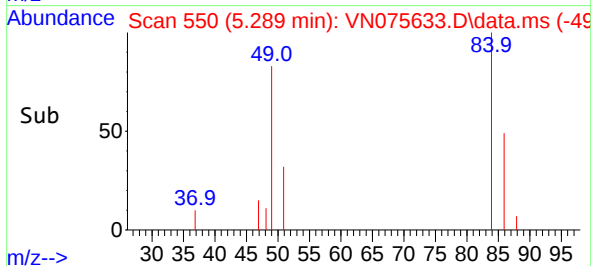
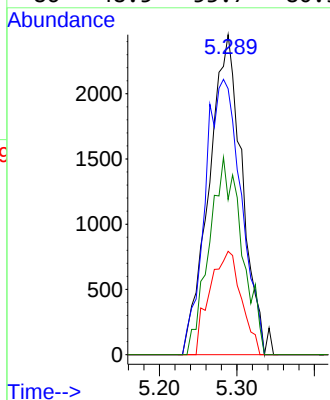
#20
Methylene Chloride
Concen: 2.750 ug/l
RT: 5.289 min Scan# 511
Delta R.T. -0.000 min
Lab File: VN075633.D
Acq: 08 Dec 2022 01:56

Instrument :
MSVOA_N
ClientSampleId :
PB149441ZHE05



Tgt Ion: 84 Resp: 7311

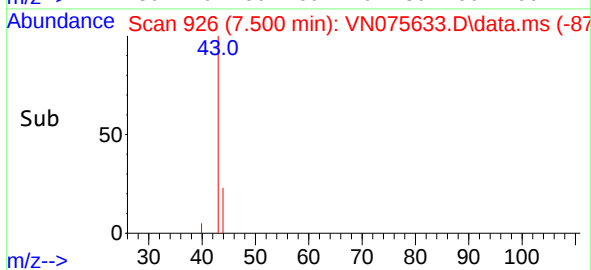
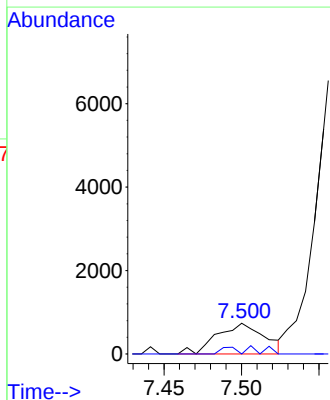
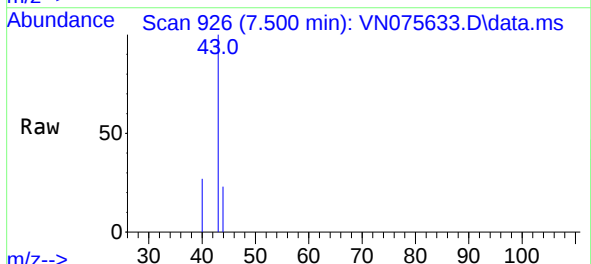
Ion	Ratio	Lower	Upper
84	100		
49	83.1	94.9	142.3#
51	32.3	26.8	40.2
86	48.5	53.7	80.5#

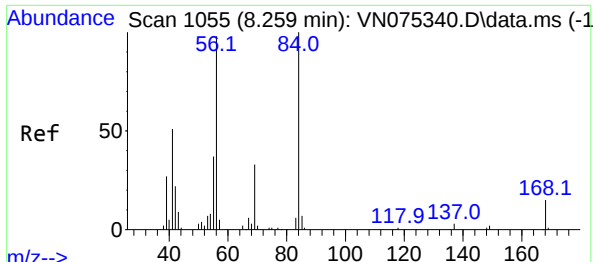


#25
2-Butanone
Concen: 1.229 ug/l
RT: 7.500 min Scan# 926
Delta R.T. 0.011 min
Lab File: VN075633.D
Acq: 08 Dec 2022 01:56

Tgt Ion: 43 Resp: 1563

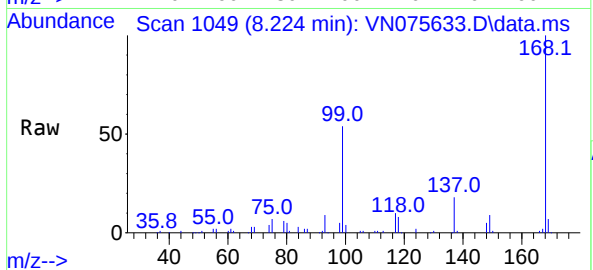
Ion	Ratio	Lower	Upper
43	100		
72	0.0	25.5	38.3#



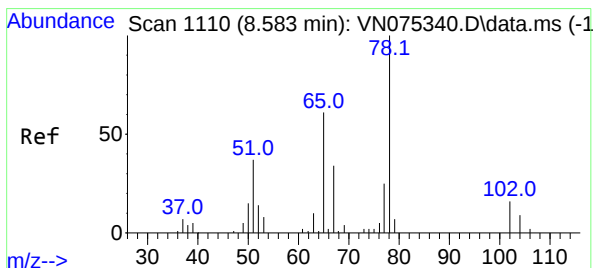
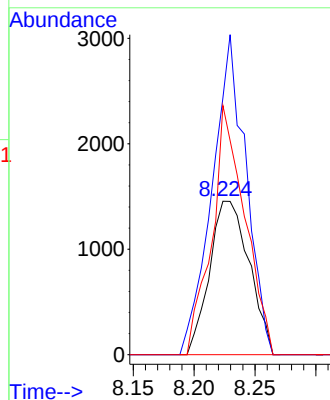
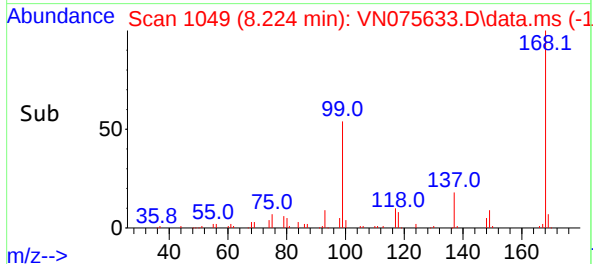


#31
Cyclohexane
Concen: 1.061 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.035 min
Lab File: VN075633.D
Acq: 08 Dec 2022 01:56

Instrument :
MSVOA_N
ClientSampleId :
PB149441ZHE05

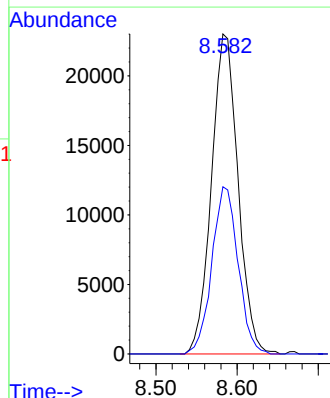
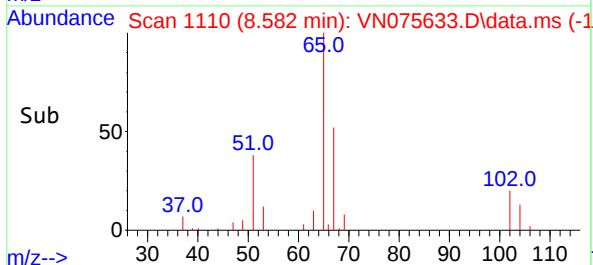
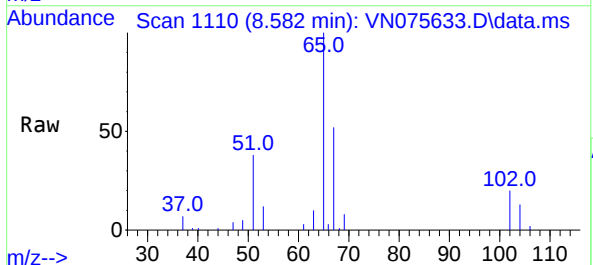


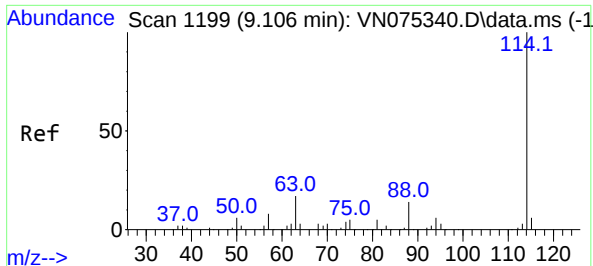
Tgt Ion: 56 Resp: 3291
Ion Ratio Lower Upper
56 100
69 167.4 25.2 37.8#
84 162.4 77.8 116.8#



#33
1,2-Dichloroethane-d4
Concen: 53.590 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. -0.001 min
Lab File: VN075633.D
Acq: 08 Dec 2022 01:56

Tgt Ion: 65 Resp: 52333
Ion Ratio Lower Upper
65 100
67 51.5 0.0 102.0

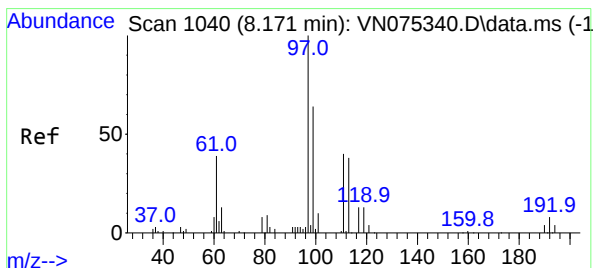
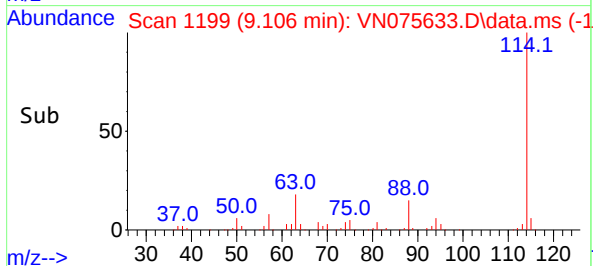
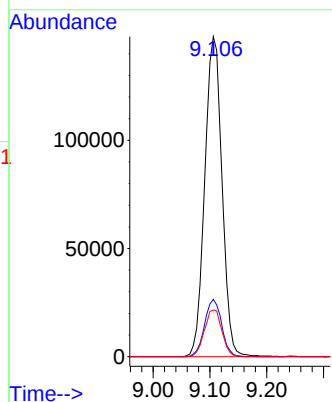
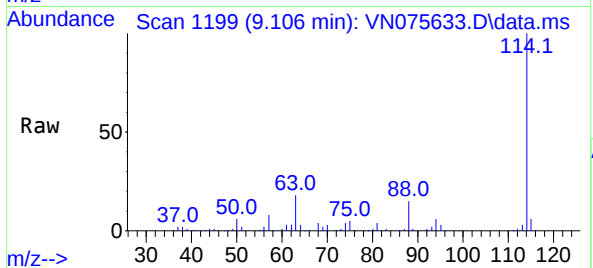




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN075633.D
Acq: 08 Dec 2022 01:56

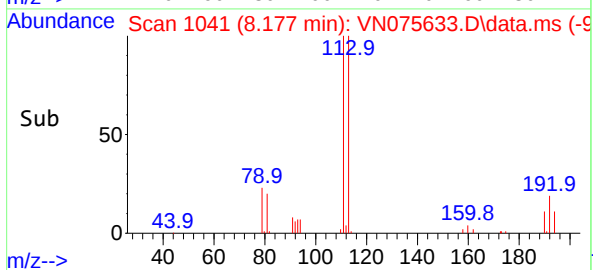
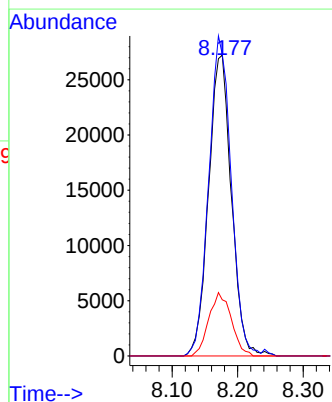
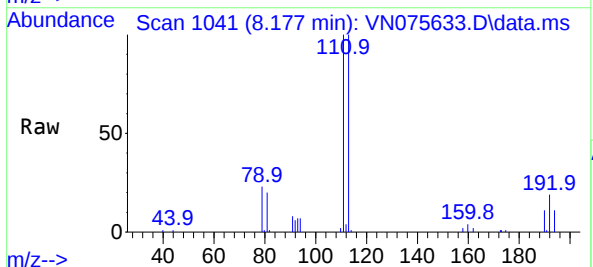
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MSVOA_N
ClientSampleId :
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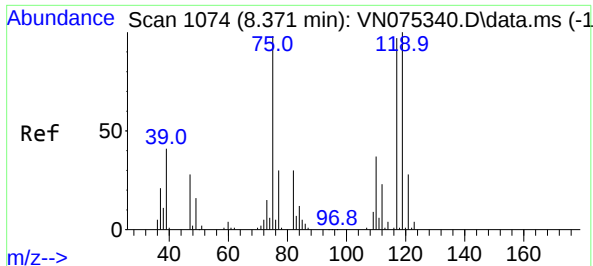
Tgt Ion:114 Resp: 311551
Ion Ratio Lower Upper
114 100
63 17.9 0.0 39.6
88 14.6 0.0 29.0



#35
Dibromofluoromethane
Concen: 53.782 ug/l
RT: 8.177 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VN075633.D
Acq: 08 Dec 2022 01:56

Tgt Ion:113 Resp: 65822
Ion Ratio Lower Upper
113 100
111 104.5 80.5 120.7
192 20.9 13.2 19.8#

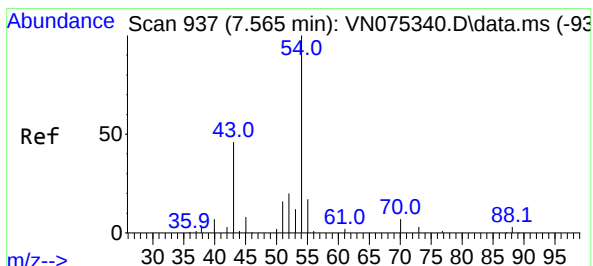
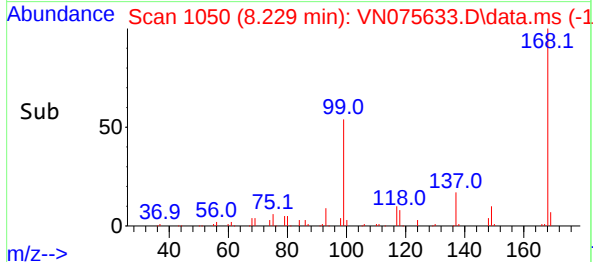
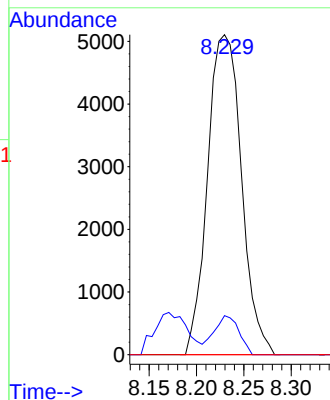
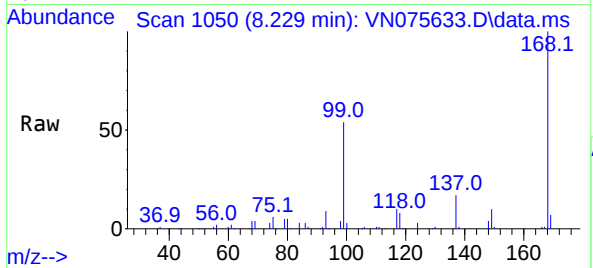




#36
1,1-Dichloropropene
Concen: 4.764 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.142 min
Lab File: VN075633.D
Acq: 08 Dec 2022 01:56

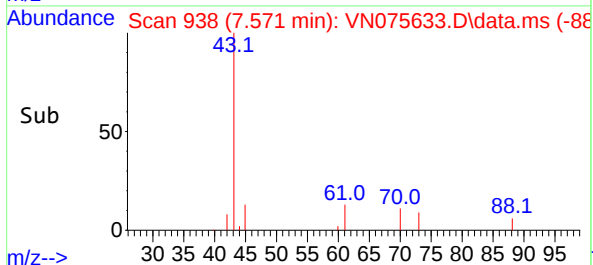
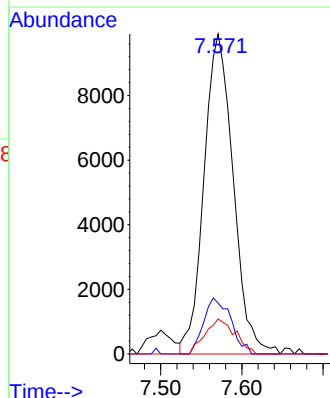
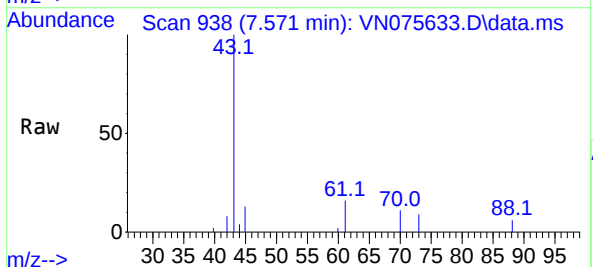
Instrument :
MSVOA_N
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PB149441ZHE05

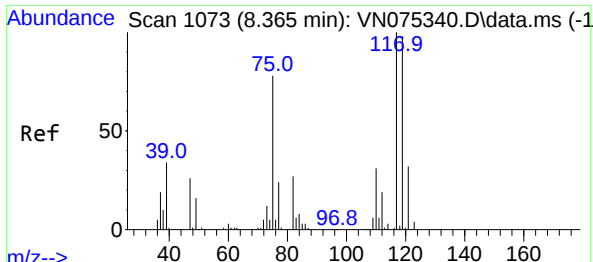
Tgt Ion: 75 Resp: 12716
Ion Ratio Lower Upper
75 100
110 9.0 17.8 53.3#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 10.297 ug/l
RT: 7.571 min Scan# 938
Delta R.T. 0.006 min
Lab File: VN075633.D
Acq: 08 Dec 2022 01:56

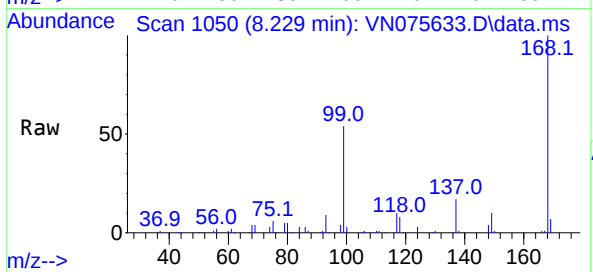
Tgt Ion: 43 Resp: 24745
Ion Ratio Lower Upper
43 100
61 16.2 12.2 18.4
70 11.2 9.4 14.2



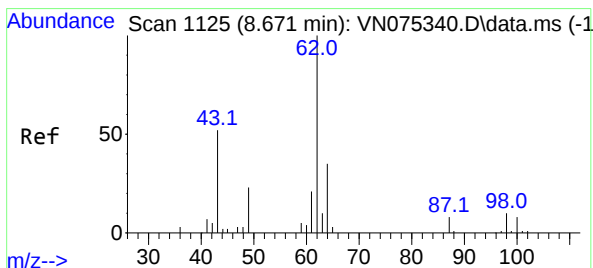
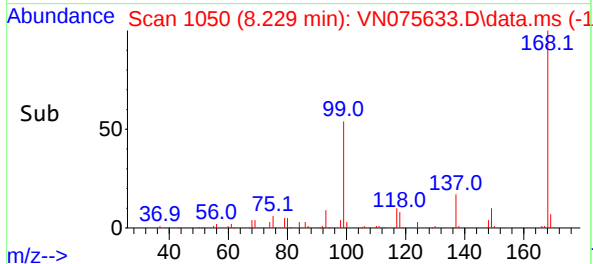
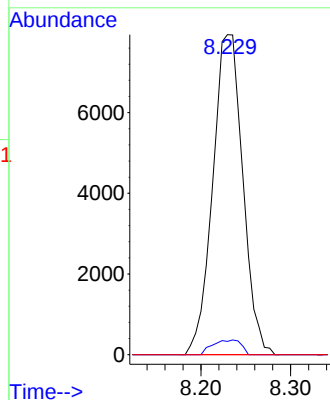


#38
Carbon Tetrachloride
Concen: 6.298 ug/l
RT: 8.229 min Scan# 110
Delta R.T. -0.136 min
Lab File: VN075633.D
Acq: 08 Dec 2022 01:56

Instrument :
MSVOA_N
ClientSampleId :
PB149441ZHE05

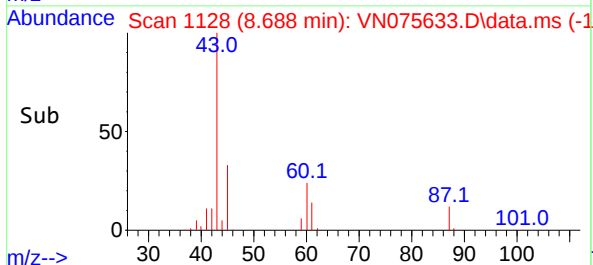
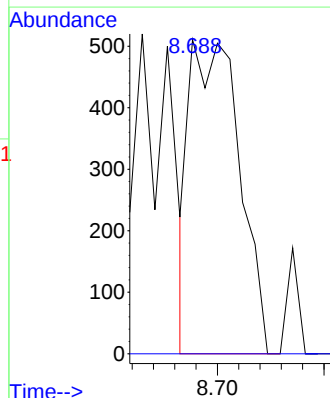
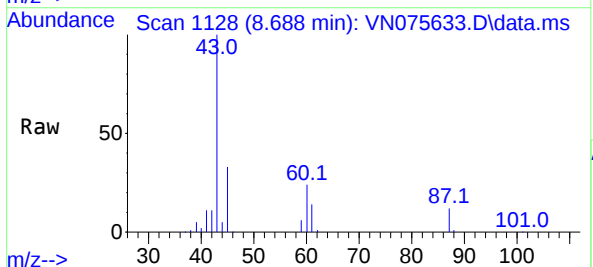


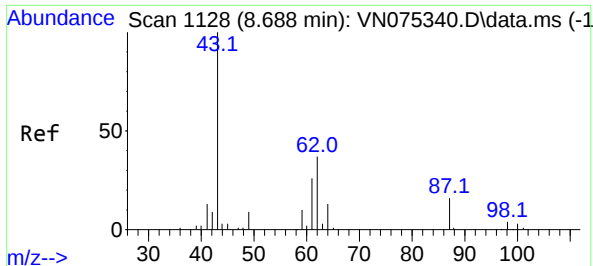
Tgt Ion:117 Resp: 18464
Ion Ratio Lower Upper
117 100
119 4.1 76.7 115.1#
121 0.0 23.9 35.9#



#42
1,2-Dichloroethane
Concen: 0.303 ug/l
RT: 8.688 min Scan# 1128
Delta R.T. 0.017 min
Lab File: VN075633.D
Acq: 08 Dec 2022 01:56

Tgt Ion: 62 Resp: 830
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2

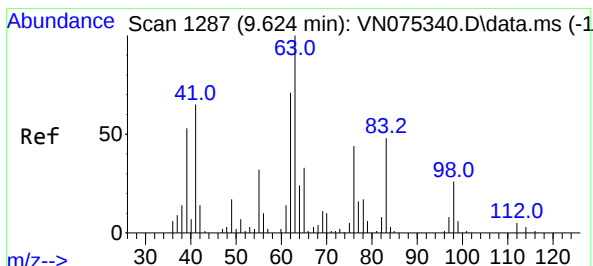
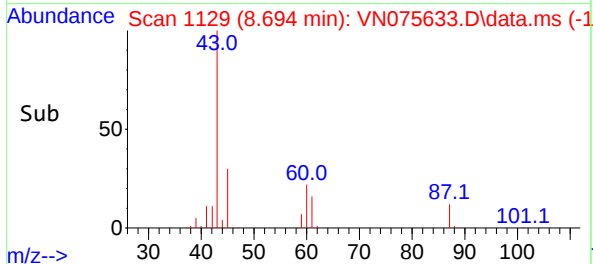
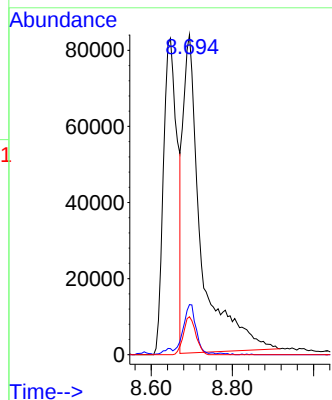
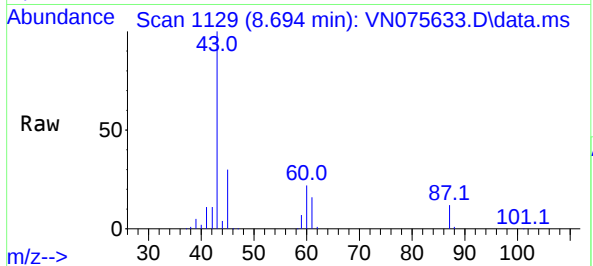




#43
Isopropyl Acetate
Concen: 67.731 ug/l
RT: 8.694 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN075633.D
Acq: 08 Dec 2022 01:56

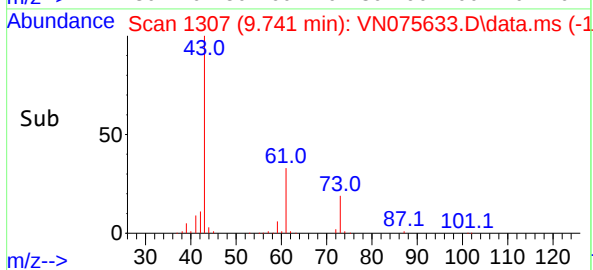
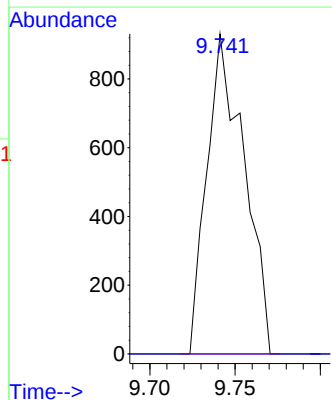
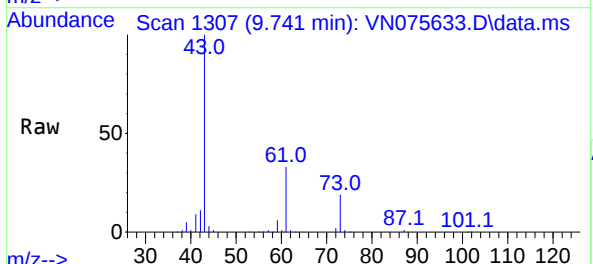
Instrument :
MSVOA_N
ClientSampleId :
PB149441ZHE05

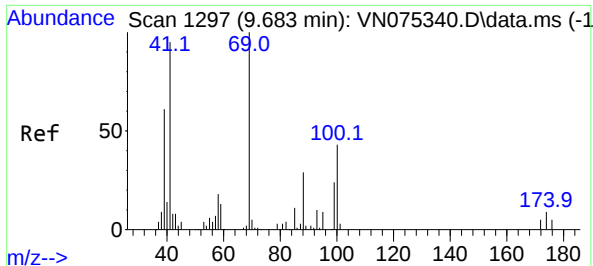
Tgt Ion: 43 Resp: 261273
Ion Ratio Lower Upper
43 100
61 10.8 22.4 33.6#
87 8.0 12.5 18.7#



#45
1,2-Dichloropropane
Concen: 0.726 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.117 min
Lab File: VN075633.D
Acq: 08 Dec 2022 01:56

Tgt Ion: 63 Resp: 1414
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#

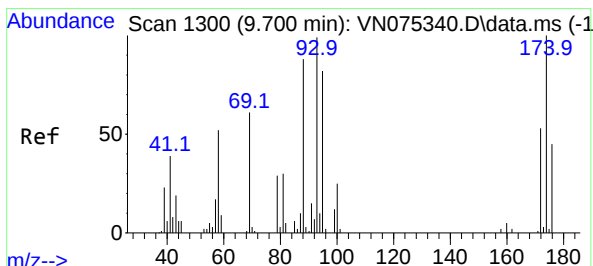
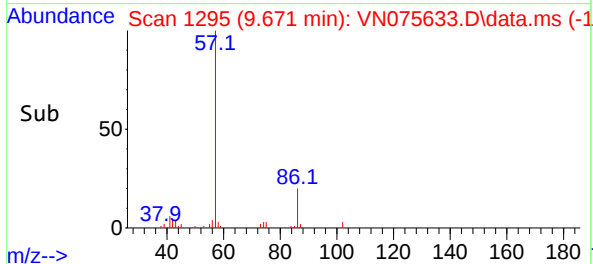
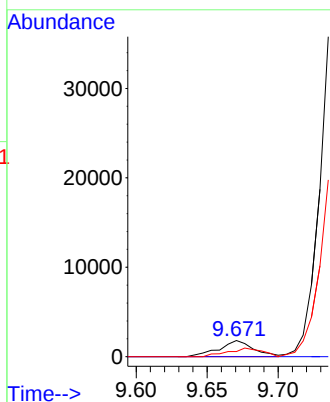
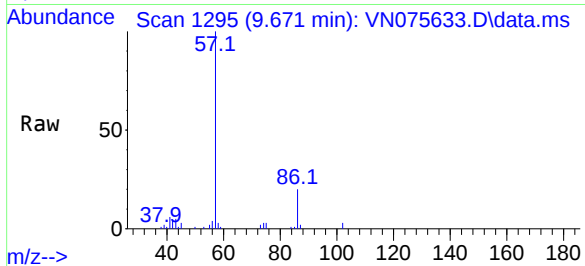




#48
Methyl methacrylate
Concen: 1.709 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN075633.D
Acq: 08 Dec 2022 01:56

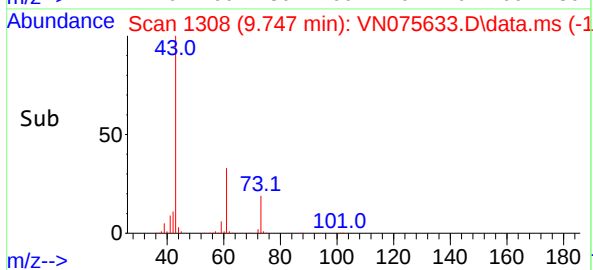
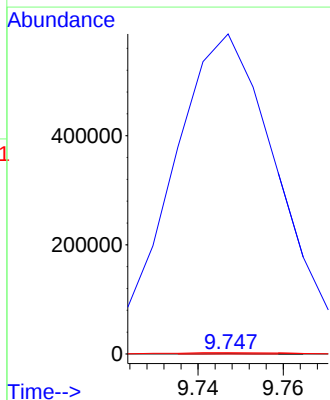
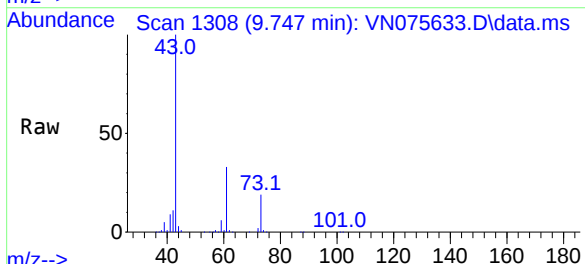
Instrument :
MSVOA_N
ClientSampleId :
PB149441ZHE05

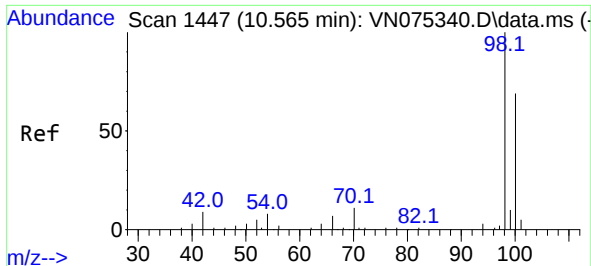
Tgt Ion: 41 Resp: 3048
Ion Ratio Lower Upper
41 100
69 0.0 80.2 120.2#
39 53.1 56.2 84.2#



#49
1,4-Dioxane
Concen: 1.580 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.047 min
Lab File: VN075633.D
Acq: 08 Dec 2022 01:56

Tgt Ion: 88 Resp: 80
Ion Ratio Lower Upper
88 100
43 1303201.3 17.5 26.3#
58 5555.0 49.8 74.8#

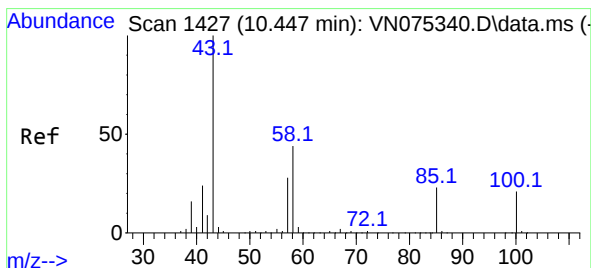
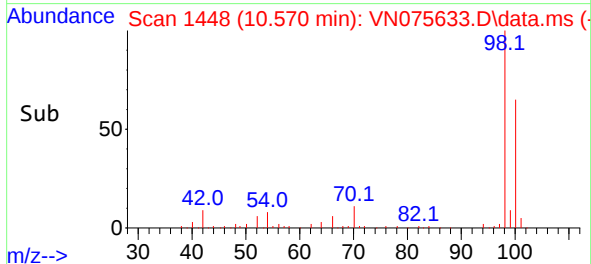
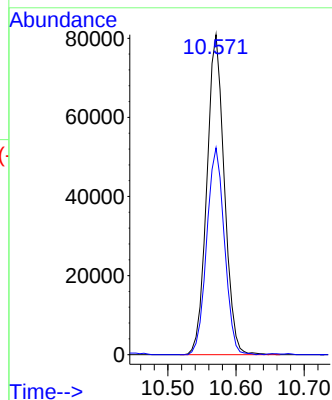
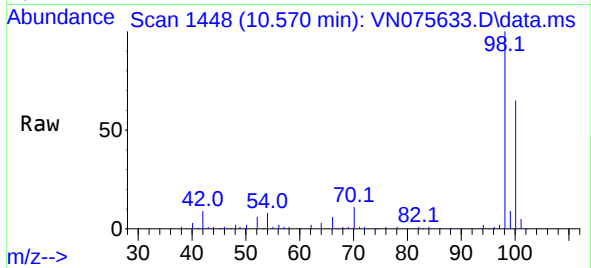




#50
Toluene-d8
Concen: 52.405 ug/l
RT: 10.570 min Scan# 1447
Delta R.T. 0.005 min
Lab File: VN075633.D
Acq: 08 Dec 2022 01:56

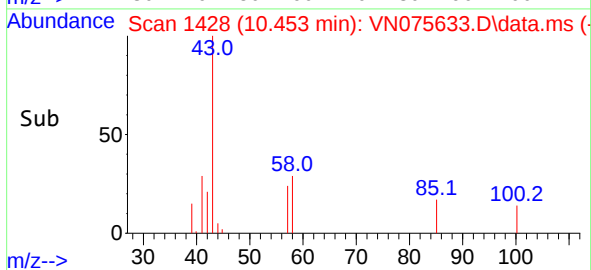
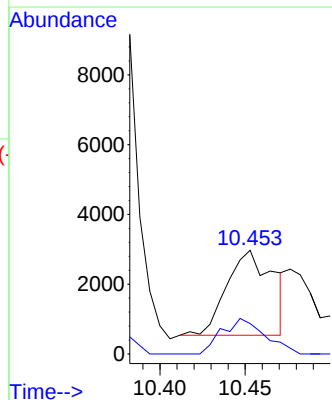
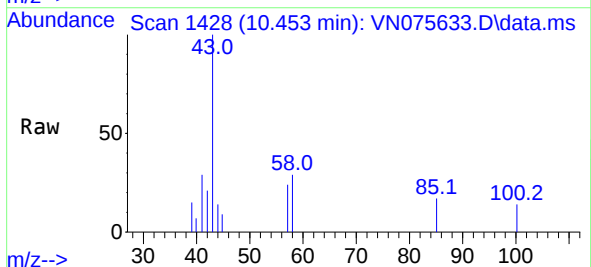
Instrument :
MSVOA_N
ClientSampleId :
PB149441ZHE05

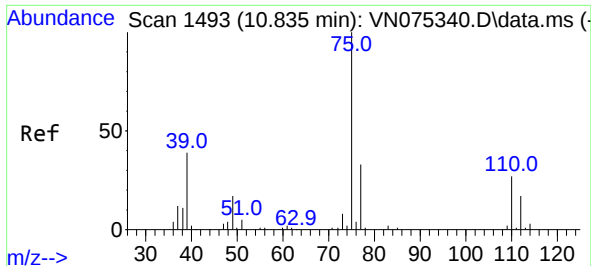
Tgt Ion: 98 Resp: 144456
Ion Ratio Lower Upper
98 100
100 65.4 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 1.870 ug/l
RT: 10.453 min Scan# 1428
Delta R.T. 0.006 min
Lab File: VN075633.D
Acq: 08 Dec 2022 01:56

Tgt Ion: 43 Resp: 4594
Ion Ratio Lower Upper
43 100
58 38.9 33.6 50.4

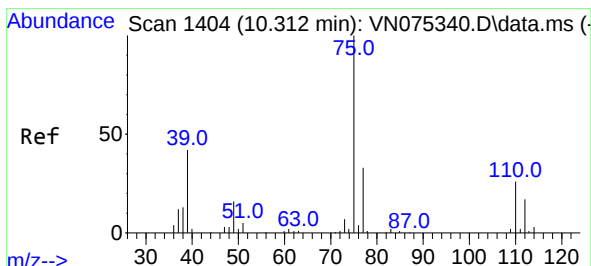
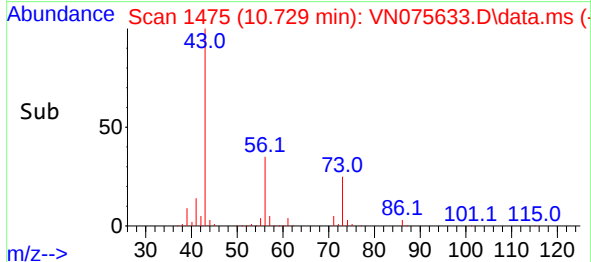
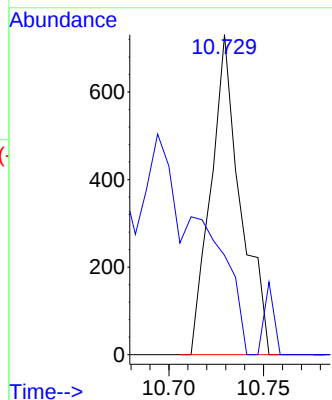
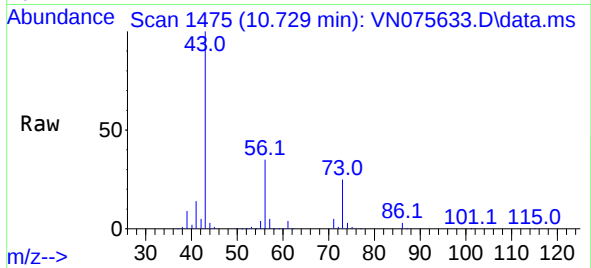




#53
t-1,3-Dichloropropene
Concen: 0.278 ug/l
RT: 10.729 min Scan# 1412
Delta R.T. -0.106 min
Lab File: VN075633.D
Acq: 08 Dec 2022 01:56

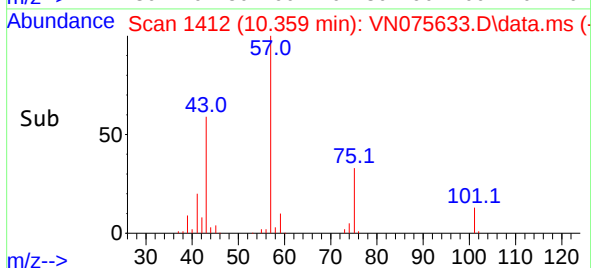
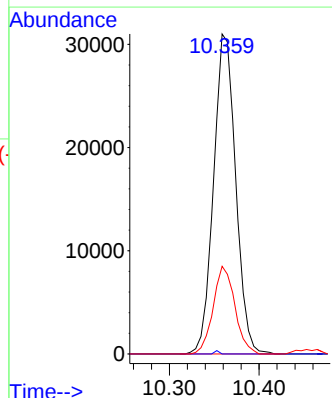
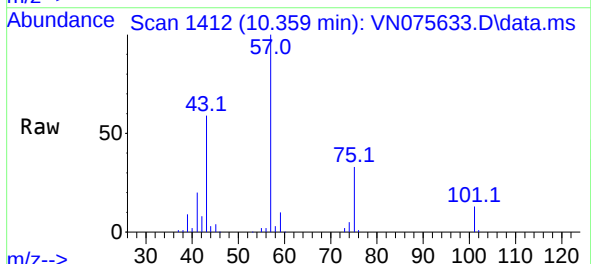
Instrument :
MSVOA_N
ClientSampleId :
PB149441ZHE05

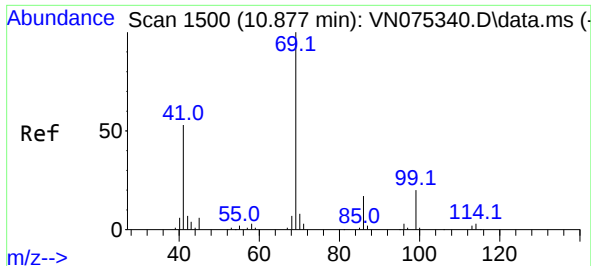
Tgt Ion: 75 Resp: 795
Ion Ratio Lower Upper
75 100
77 31.1 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 17.053 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. 0.047 min
Lab File: VN075633.D
Acq: 08 Dec 2022 01:56

Tgt Ion: 75 Resp: 53037
Ion Ratio Lower Upper
75 100
77 0.0 23.7 35.5#
39 27.4 35.8 53.6#

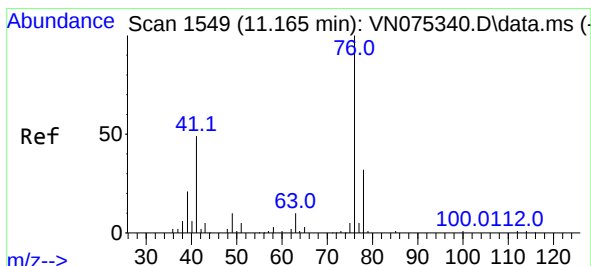
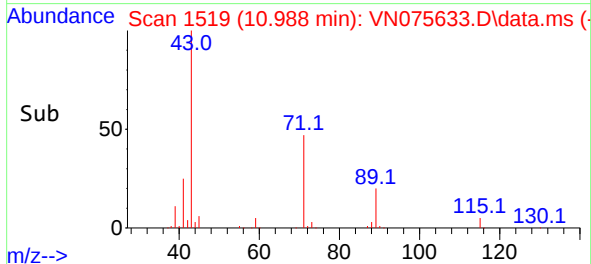
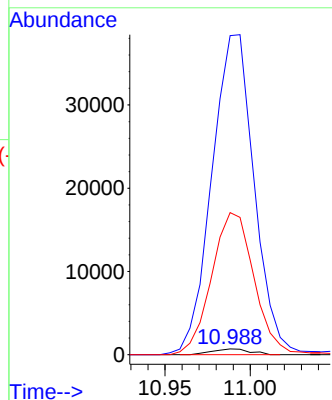
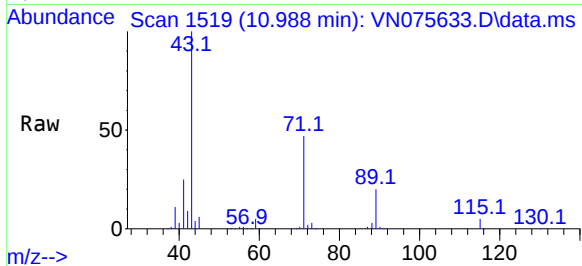




#56
Ethyl methacrylate
Concen: 0.371 ug/l
RT: 10.988 min Scan# 11
Delta R.T. 0.111 min
Lab File: VN075633.D
Acq: 08 Dec 2022 01:56

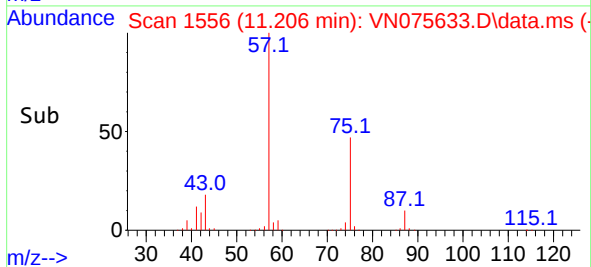
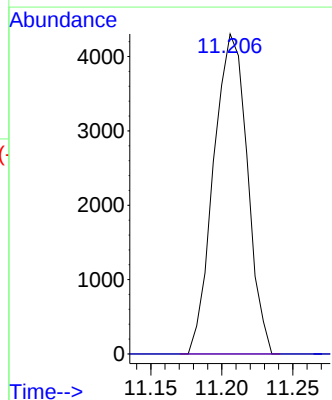
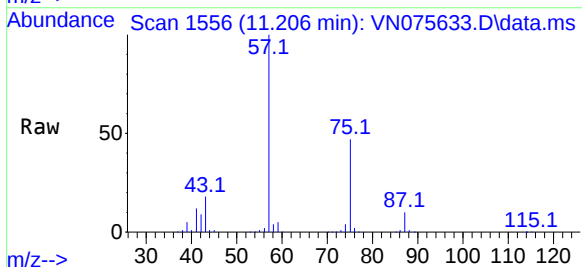
Instrument :
MSVOA_N
ClientSampleId :
PB149441ZHE05

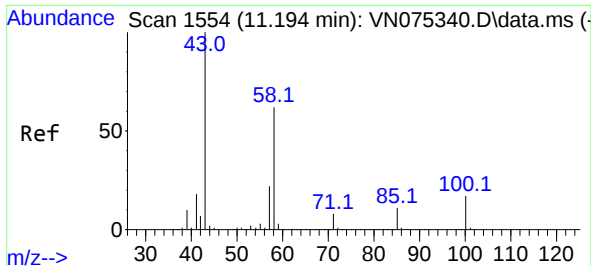
Tgt Ion: 69 Resp: 1076
Ion Ratio Lower Upper
69 100
41 6209.3 45.6 68.4#
39 2764.2 28.5 42.7#



#57
1,3-Dichloropropane
Concen: 2.035 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN075633.D
Acq: 08 Dec 2022 01:56

Tgt Ion: 76 Resp: 7115
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

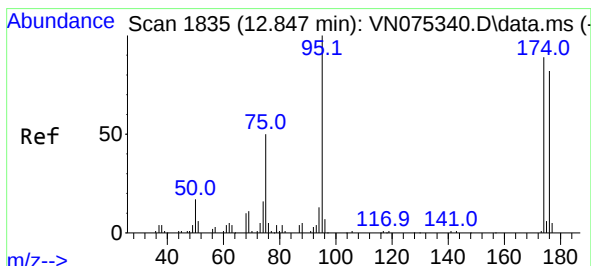
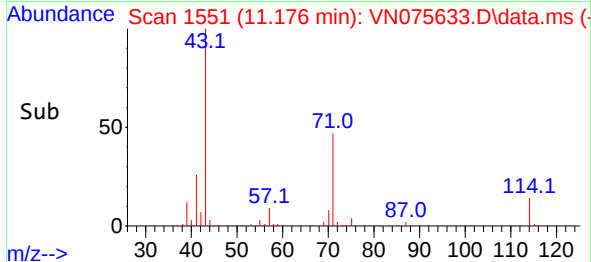
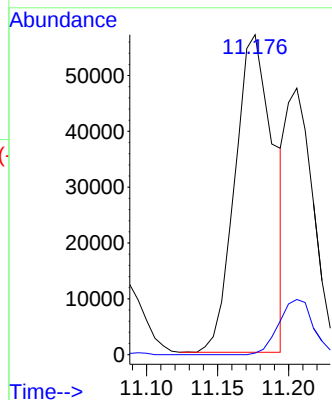
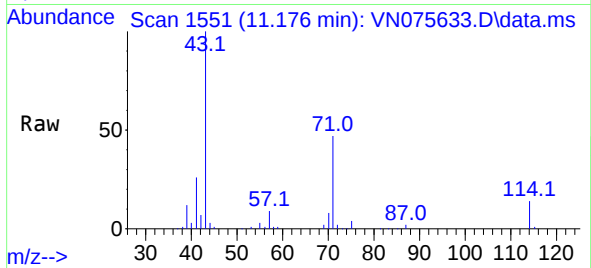




#59
2-Hexanone
Concen: 58.411 ug/l
RT: 11.176 min Scan# 11551
Delta R.T. -0.018 min
Lab File: VN075633.D
Acq: 08 Dec 2022 01:56

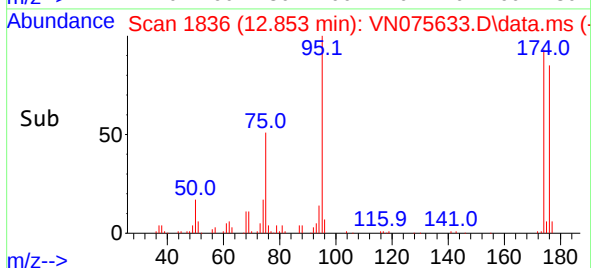
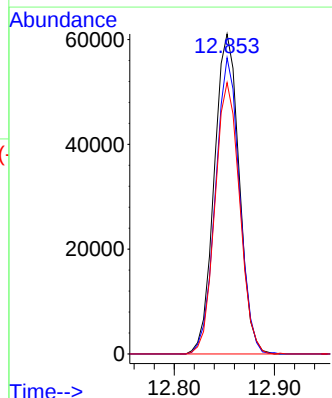
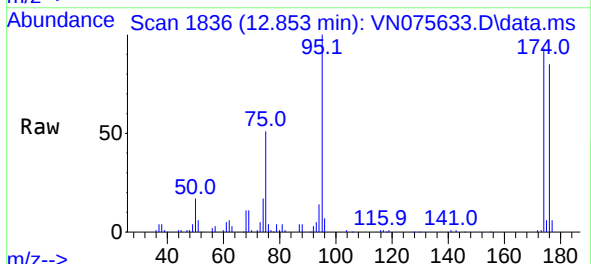
Instrument :
MSVOA_N
ClientSampleId :
PB149441ZHE05

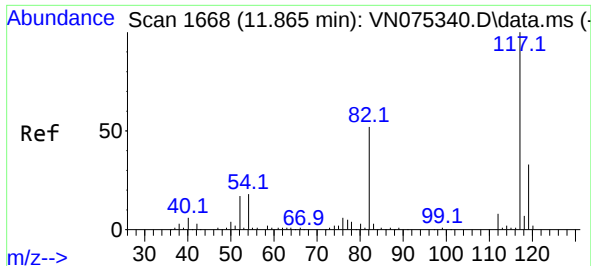
Tgt Ion: 43 Resp: 107763
Ion Ratio Lower Upper
43 100
58 0.0 29.6 88.8#



#62
4-Bromofluorobenzene
Concen: 51.786 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN075633.D
Acq: 08 Dec 2022 01:56

Tgt Ion: 95 Resp: 105364
Ion Ratio Lower Upper
95 100
174 89.5 0.0 147.4
176 83.9 0.0 142.2

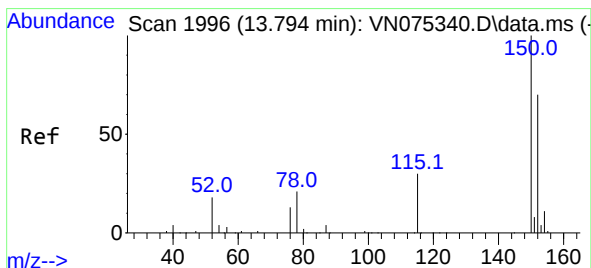
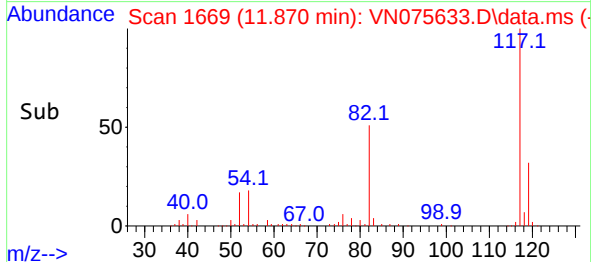
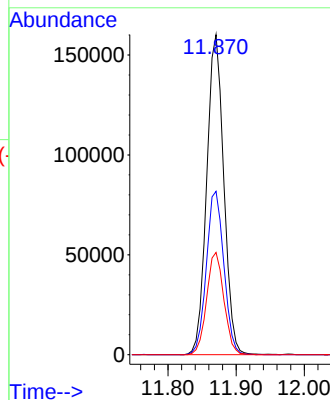
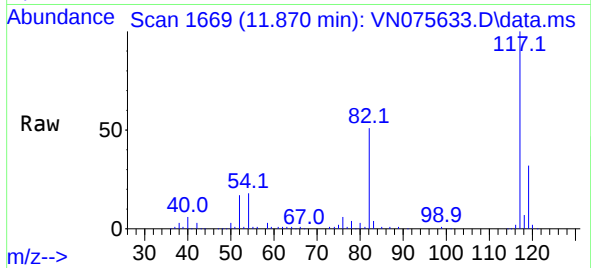




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1
Delta R.T. 0.005 min
Lab File: VN075633.D
Acq: 08 Dec 2022 01:56

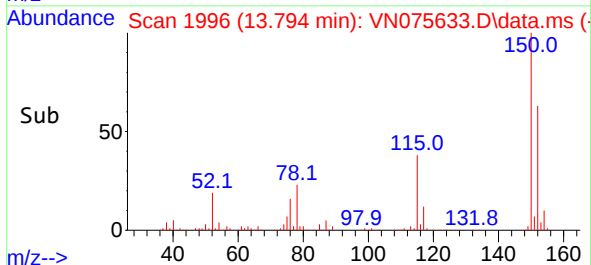
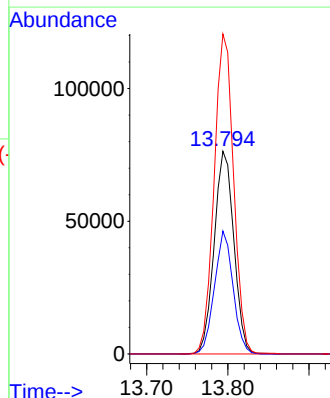
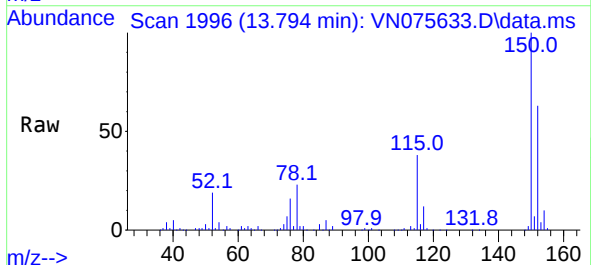
Instrument :
MSVOA_N
ClientSampleId :
PB149441ZHE05

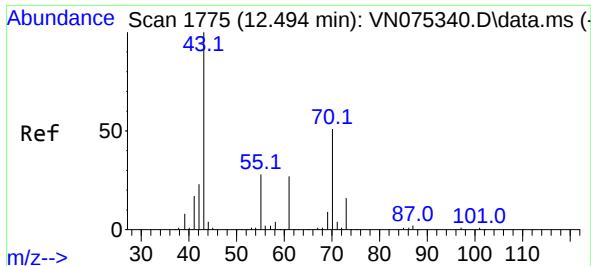
Tgt Ion:117 Resp: 279418
Ion Ratio Lower Upper
117 100
82 51.0 43.1 64.7
119 32.0 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075633.D
Acq: 08 Dec 2022 01:56

Tgt Ion:152 Resp: 128832
Ion Ratio Lower Upper
152 100
115 57.3 30.2 90.6
150 156.0 0.0 348.4



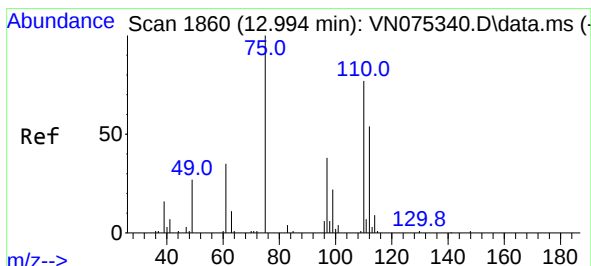
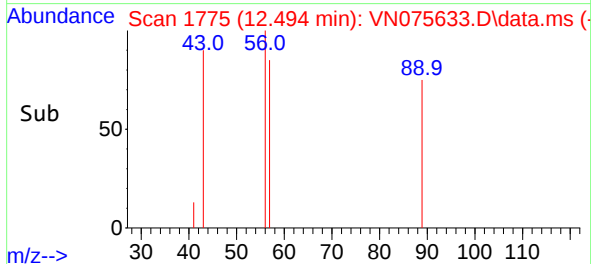
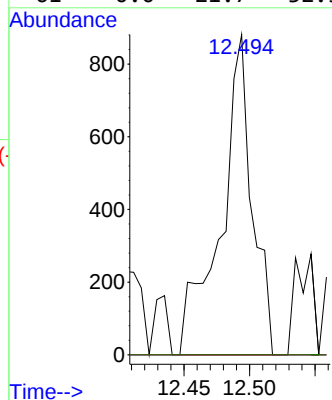
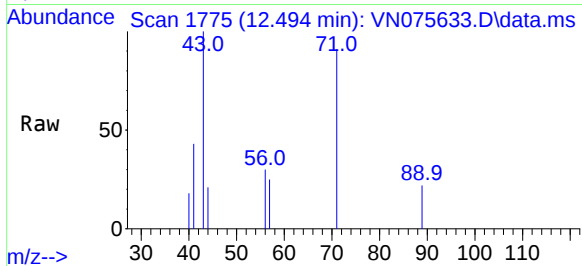


#74
N-amy1 acetate
Concen: 0.506 ug/l
RT: 12.494 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN075633.D
Acq: 08 Dec 2022 01:56

Instrument :
MSVOA_N
ClientSampleId :
PB149441ZHE05

Tgt Ion: 43 Resp: 1463

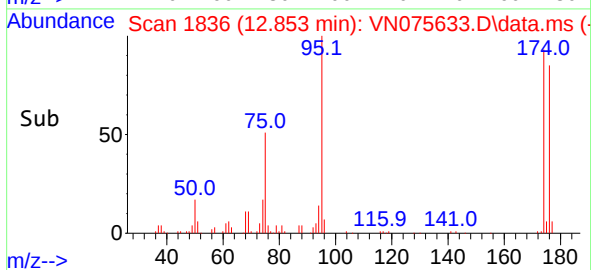
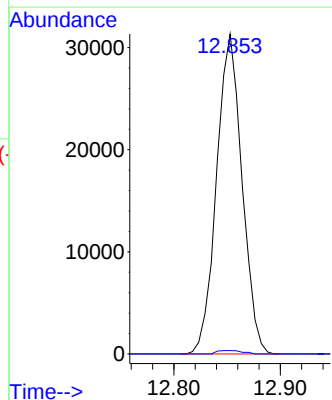
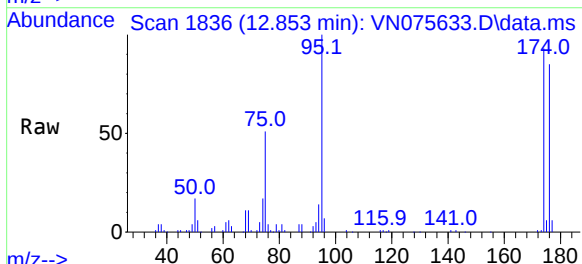
Ion	Ratio	Lower	Upper
43	100		
70	0.0	39.8	59.8#
55	0.0	19.9	29.9#
61	0.0	21.7	32.5#

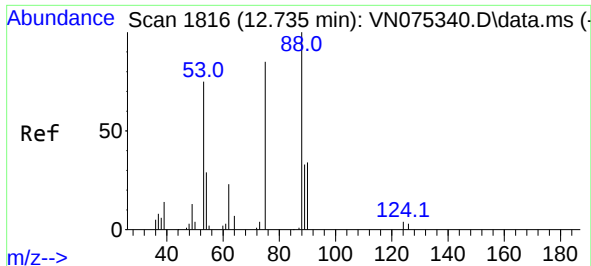


#76
1,2,3-Trichloropropane
Concen: 21.320 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075633.D
Acq: 08 Dec 2022 01:56

Tgt Ion: 75 Resp: 51933

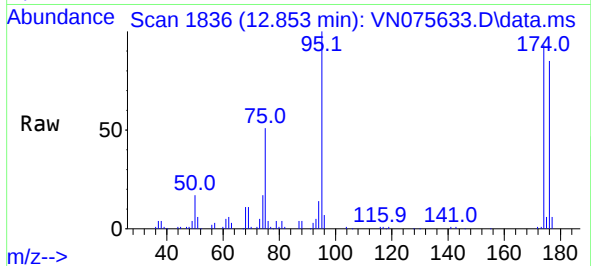
Ion	Ratio	Lower	Upper
75	100		
77	1.1	75.6	226.8#





#81
trans-1,4-Dichloro-2-butene
Concen: 63.081 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN075633.D
Acq: 08 Dec 2022 01:56

Instrument :
MSVOA_N
ClientSampleId :
PB149441ZHE05



Tgt Ion: 75 Resp: 51933
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#

