

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120522\
 Data File : VN075572.D
 Acq On : 05 Dec 2022 20:30
 Operator : JC\MD
 Sample : PB149407ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB149407ZHE#05

Quant Time: Dec 06 03:27:10 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

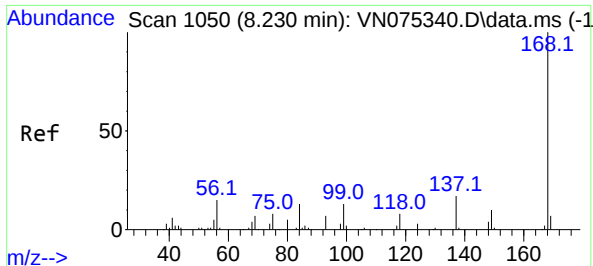
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	155032	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	264705	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	243708	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	101327	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	42728	51.344	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.680%			
35) Dibromofluoromethane	8.171	113	52913	50.885	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.780%			
50) Toluene-d8	10.571	98	116898	49.913	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.820%			
62) 4-Bromofluorobenzene	12.853	95	81007	46.861	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 93.720%			
Target Compounds						Qvalue
6) Chloroethane	3.089	64	630	0.447	ug/l #	45
11) Tert butyl alcohol	5.512	59	735	2.104	ug/l #	72
16) Acetone	4.442	43	11529	14.853	ug/l	99
18) Methyl Acetate	5.042	43	4510	1.036	ug/l	98
20) Methylene Chloride	5.294	84	4872	1.864	ug/l	89
25) 2-Butanone	7.571	43	21817	20.132	ug/l #	43
29) Tetrahydrofuran	7.847	42	222	0.337	ug/l #	26
31) Cyclohexane	8.230	56	2936	1.110	ug/l #	38
36) 1,1-Dichloropropene	8.224	75	11761	5.186	ug/l #	48
37) Ethyl Acetate	7.571	43	21817	10.685	ug/l	99
38) Carbon Tetrachloride	8.224	117	15065	6.048	ug/l #	15
42) 1,2-Dichloroethane	8.688	62	860	0.370	ug/l #	75
43) Isopropyl Acetate	8.694	43	280425	85.561	ug/l #	70
45) 1,2-Dichloropropane	9.747	63	1387	0.838	ug/l #	42
48) Methyl methacrylate	9.747	41	91180	60.166	ug/l #	34
49) 1,4-Dioxane	9.741	88	67	1.557	ug/l #	1
51) 4-Methyl-2-Pentanone	10.359	43	85540	40.978	ug/l #	44
53) t-1,3-Dichloropropene	10.729	75	888	0.365	ug/l #	88
54) cis-1,3-Dichloropropene	10.359	75	47864	18.113	ug/l #	62
56) Ethyl methacrylate	10.988	69	785	0.319	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5998	2.019	ug/l #	42
59) 2-Hexanone	11.171	43	92314	58.893	ug/l #	21
74) N-amyl acetate	12.488	43	1003	0.441	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	41395	21.607	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	41395	63.930	ug/l #	10

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

Quant Time: Dec 06 03:27:10 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

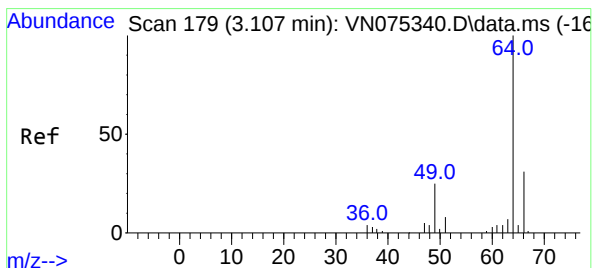
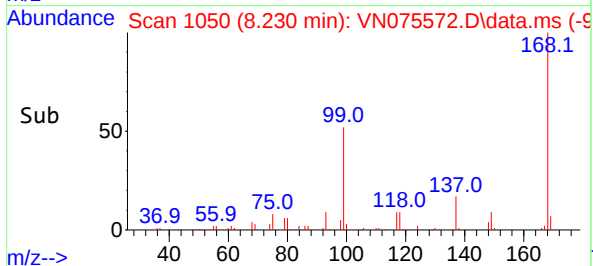
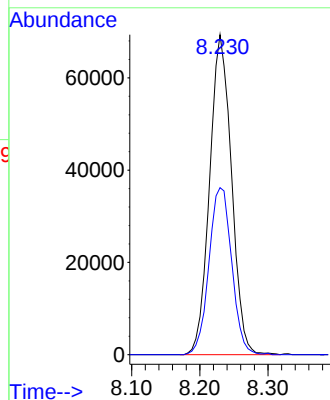
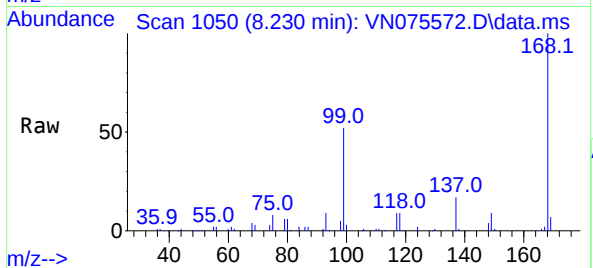




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN075572.D
Acq: 05 Dec 2022 20:30

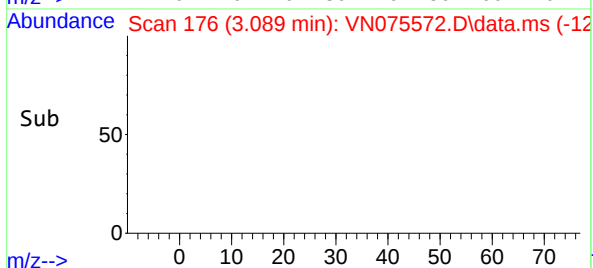
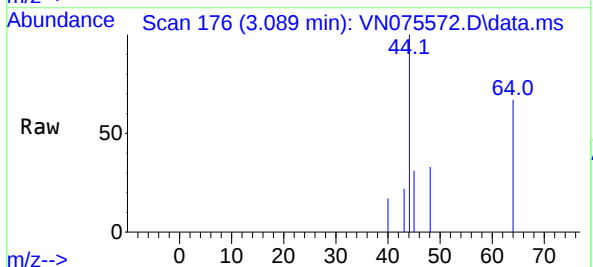
Instrument :
MSVOA_N
ClientSampleId :
PB149407ZHE#05

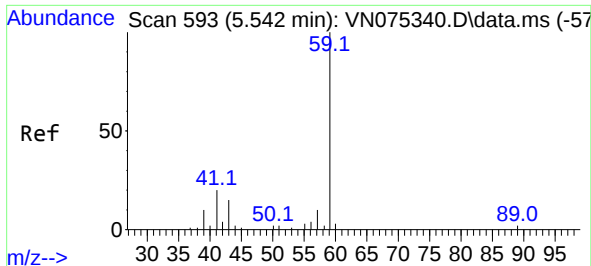
Tgt Ion:168 Resp: 155032
Ion Ratio Lower Upper
168 100
99 52.2 51.6 77.4



#6
Chloroethane
Concen: 0.447 ug/l
RT: 3.089 min Scan# 176
Delta R.T. -0.018 min
Lab File: VN075572.D
Acq: 05 Dec 2022 20:30

Tgt Ion: 64 Resp: 630
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#

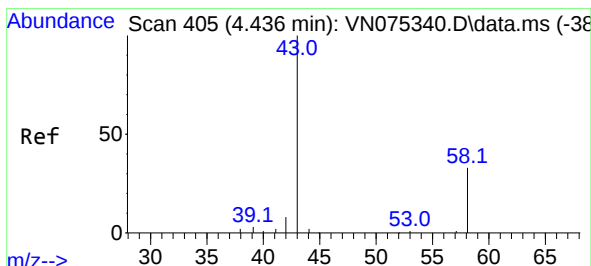
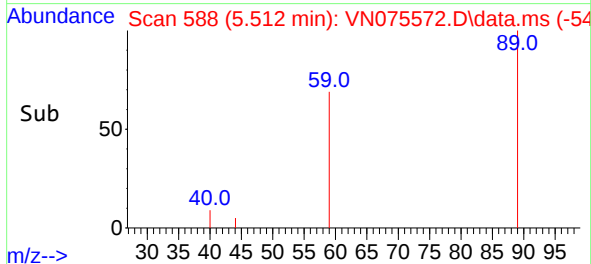
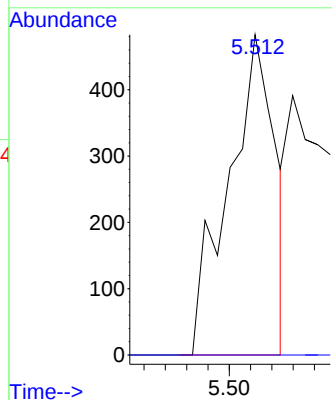
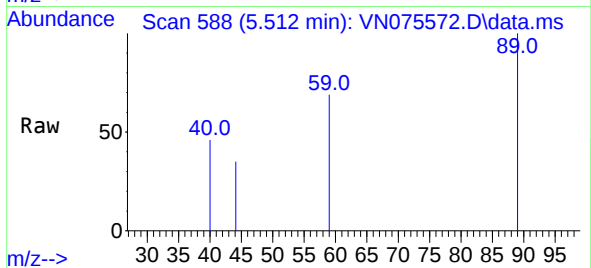




#11
Tert butyl alcohol
Concen: 2.104 ug/l
RT: 5.512 min Scan# 51
Delta R.T. -0.030 min
Lab File: VN075572.D
Acq: 05 Dec 2022 20:30

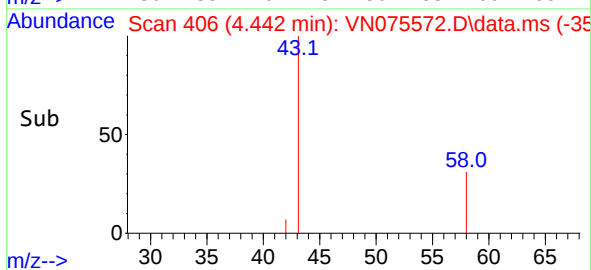
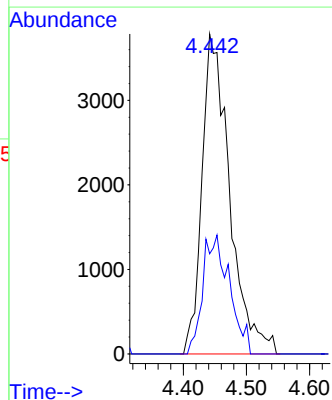
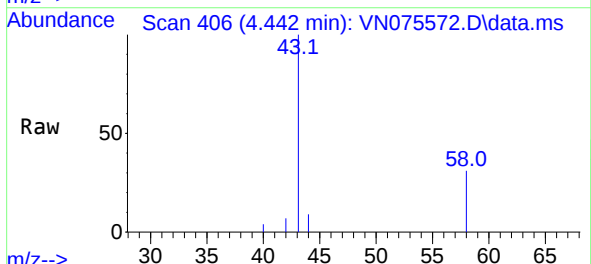
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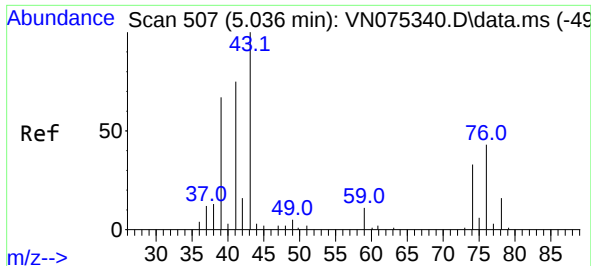
Tgt Ion: 59 Resp: 735
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 14.853 ug/l
RT: 4.442 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN075572.D
Acq: 05 Dec 2022 20:30

Tgt Ion: 43 Resp: 11529
Ion Ratio Lower Upper
43 100
58 31.3 25.5 38.3

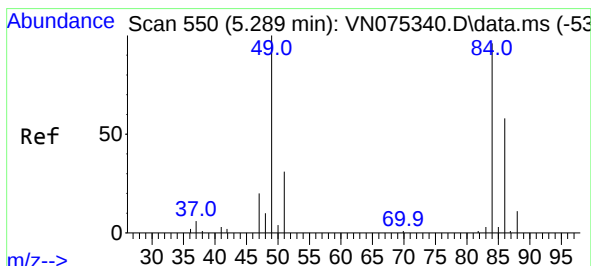
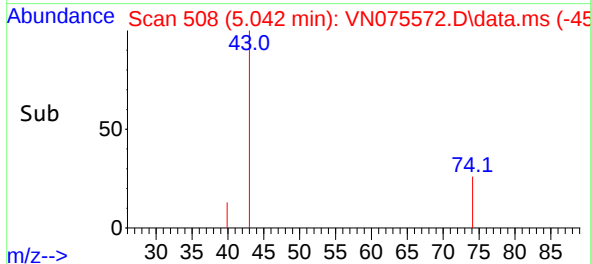
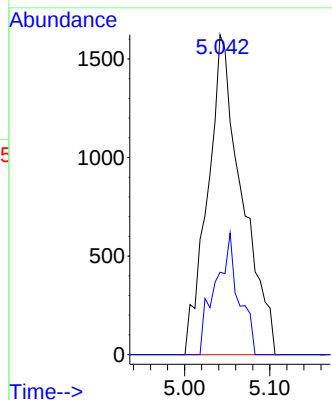
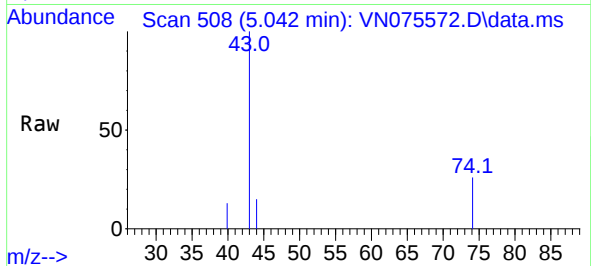




#18
Methyl Acetate
Concen: 1.036 ug/l
RT: 5.042 min Scan# 507
Delta R.T. 0.006 min
Lab File: VN075572.D
Acq: 05 Dec 2022 20:30

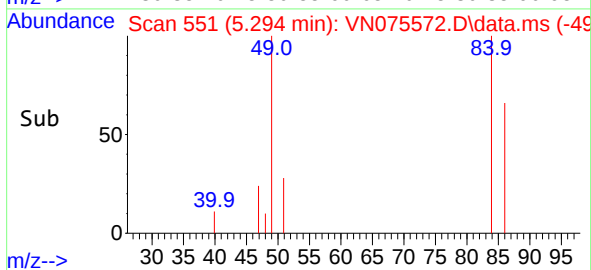
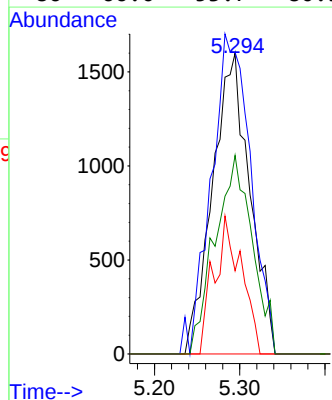
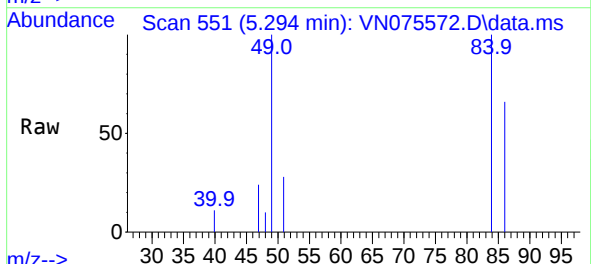
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MSVOA_N
ClientSampleId :
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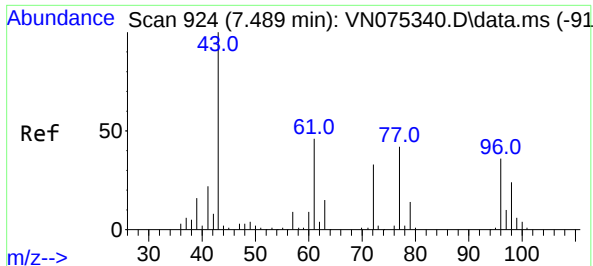
Tgt Ion: 43 Resp: 4510
Ion Ratio Lower Upper
43 100
74 26.2 22.0 33.0



#20
Methylene Chloride
Concen: 1.864 ug/l
RT: 5.294 min Scan# 551
Delta R.T. 0.005 min
Lab File: VN075572.D
Acq: 05 Dec 2022 20:30

Tgt Ion: 84 Resp: 4872
Ion Ratio Lower Upper
84 100
49 100.3 94.9 142.3
51 27.7 26.8 40.2
86 66.0 53.7 80.5

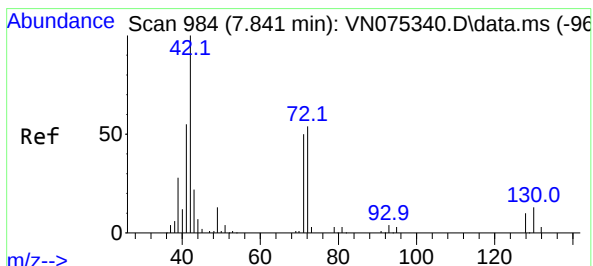
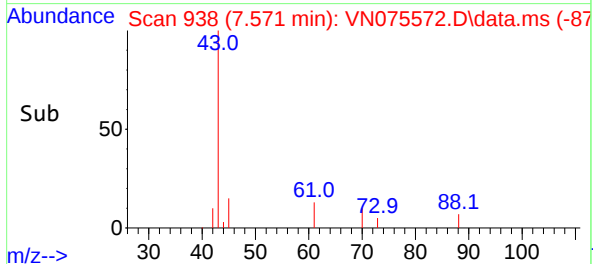
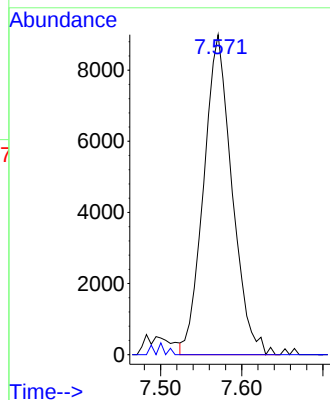
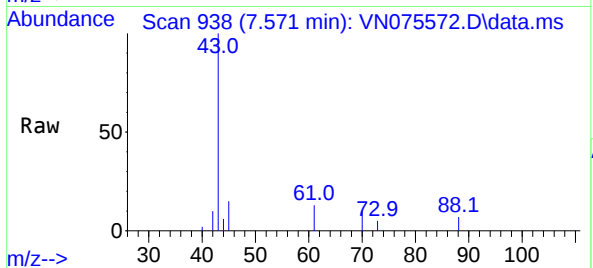




#25
2-Butanone
Concen: 20.132 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.082 min
Lab File: VN075572.D
Acq: 05 Dec 2022 20:30

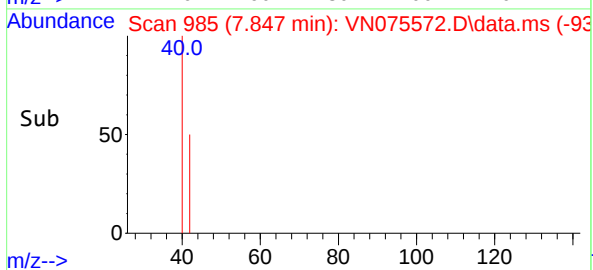
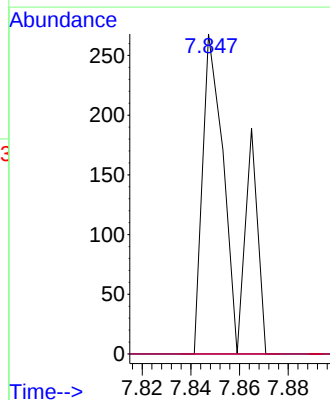
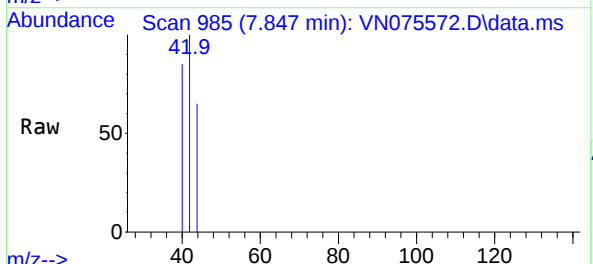
Instrument :
MSVOA_N
ClientSampleId :
PB149407ZHE#05

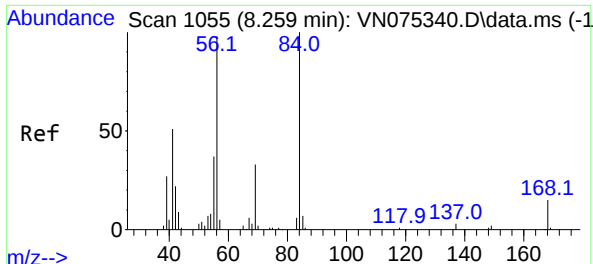
Tgt Ion: 43 Resp: 21817
Ion Ratio Lower Upper
43 100
72 0.0 25.5 38.3#



#29
Tetrahydrofuran
Concen: 0.337 ug/l
RT: 7.847 min Scan# 985
Delta R.T. 0.006 min
Lab File: VN075572.D
Acq: 05 Dec 2022 20:30

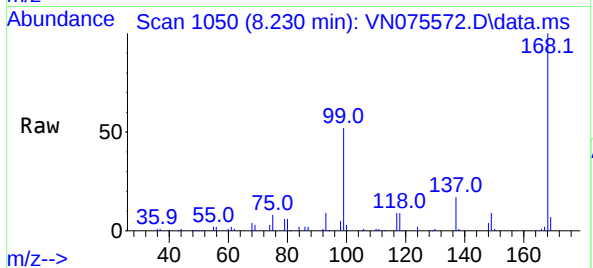
Tgt Ion: 42 Resp: 222
Ion Ratio Lower Upper
42 100
72 0.0 43.0 64.6#
71 0.0 39.9 59.9#



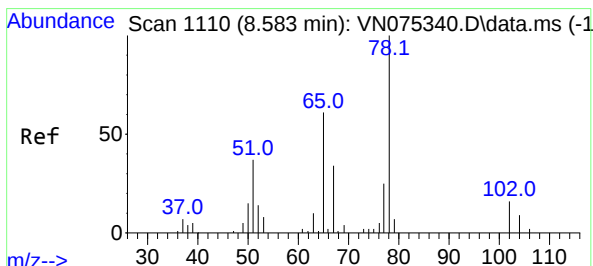
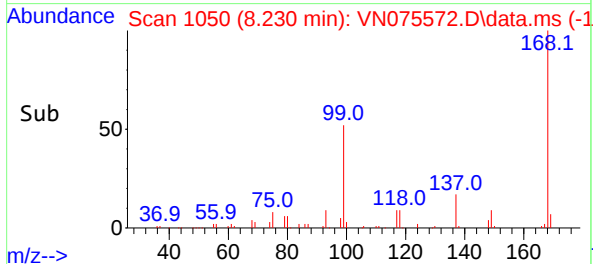
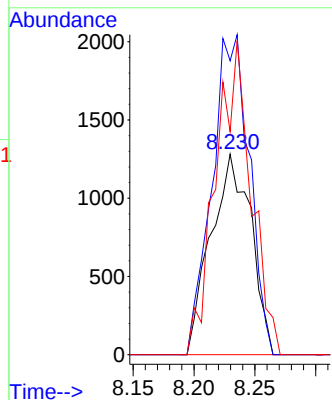


#31
Cyclohexane
Concen: 1.110 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.029 min
Lab File: VN075572.D
Acq: 05 Dec 2022 20:30

Instrument :
MSVOA_N
ClientSampleId :
PB149407ZHE#05

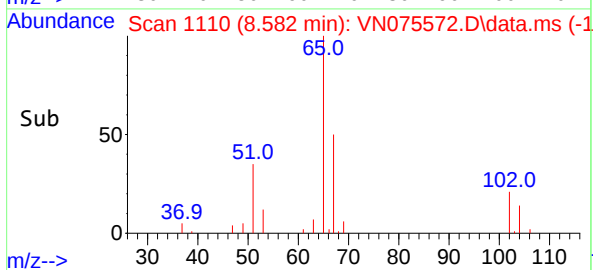
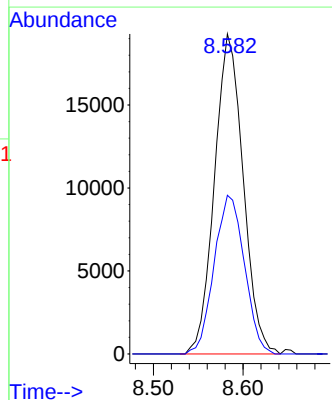
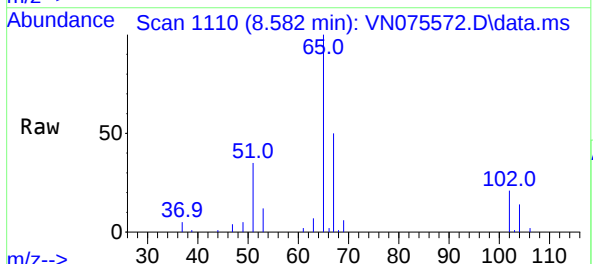


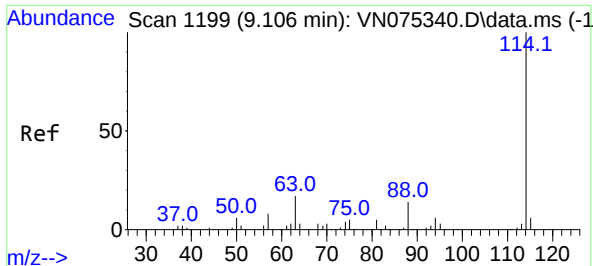
Tgt Ion: 56 Resp: 2936
Ion Ratio Lower Upper
56 100
69 146.6 25.2 37.8#
84 111.3 77.8 116.8



#33
1,2-Dichloroethane-d4
Concen: 51.344 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. -0.001 min
Lab File: VN075572.D
Acq: 05 Dec 2022 20:30

Tgt Ion: 65 Resp: 42728
Ion Ratio Lower Upper
65 100
67 52.4 0.0 102.0

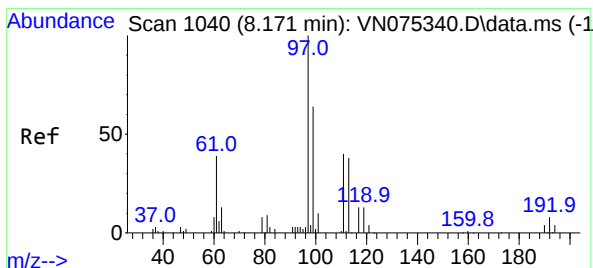
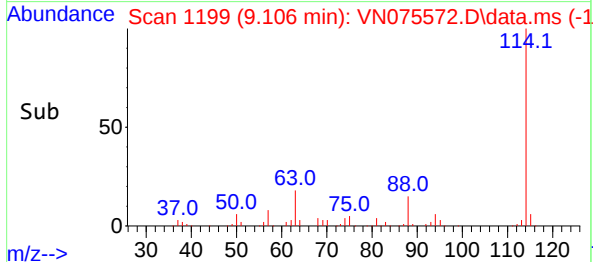
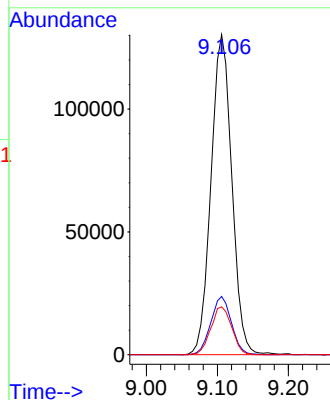
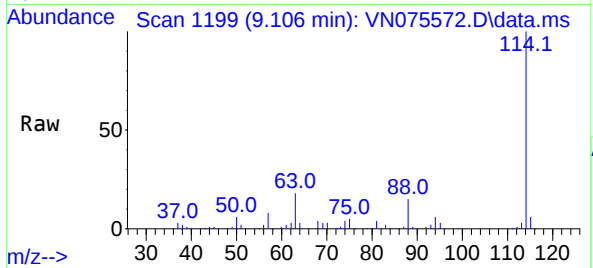




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN075572.D
Acq: 05 Dec 2022 20:30

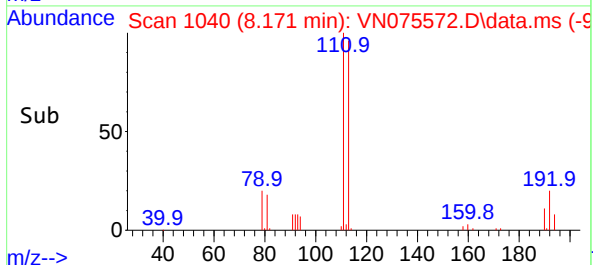
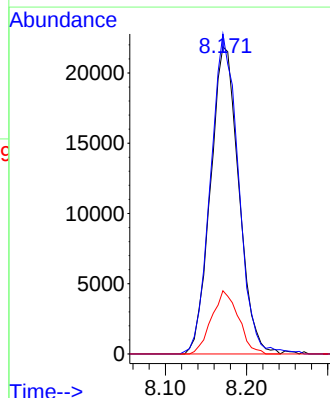
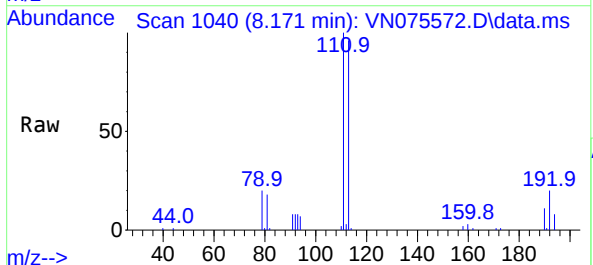
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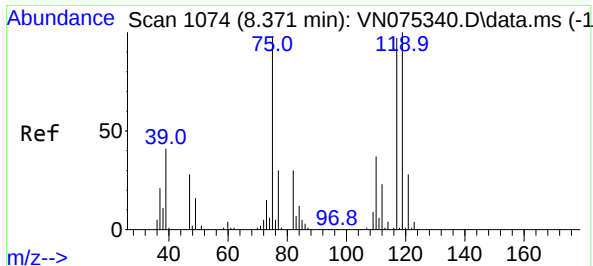
Tgt Ion:114 Resp: 264705
Ion Ratio Lower Upper
114 100
63 18.2 0.0 39.6
88 14.9 0.0 29.0



#35
Dibromofluoromethane
Concen: 50.885 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN075572.D
Acq: 05 Dec 2022 20:30

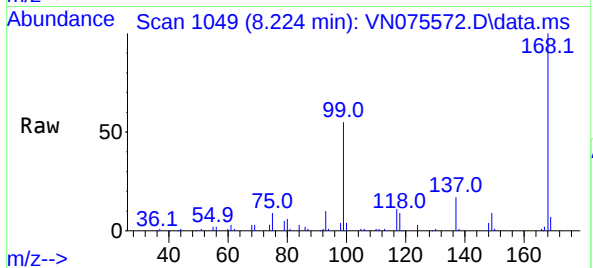
Tgt Ion:113 Resp: 52913
Ion Ratio Lower Upper
113 100
111 103.1 80.5 120.7
192 19.6 13.2 19.8



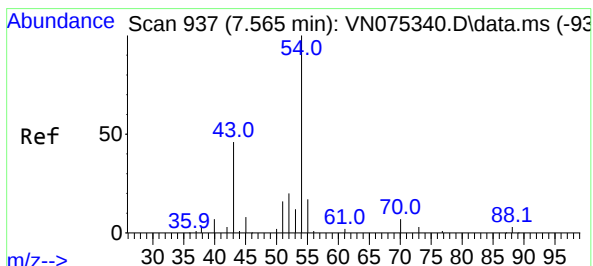
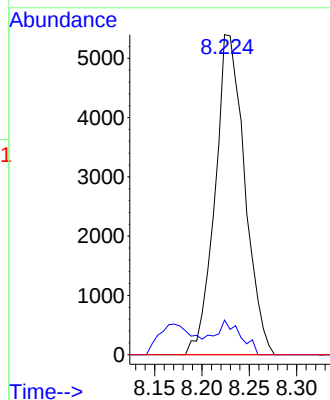
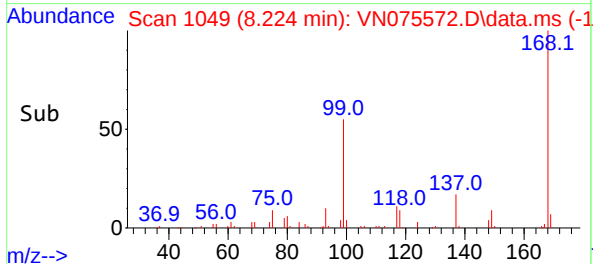


#36
1,1-Dichloropropene
Concen: 5.186 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.147 min
Lab File: VN075572.D
Acq: 05 Dec 2022 20:30

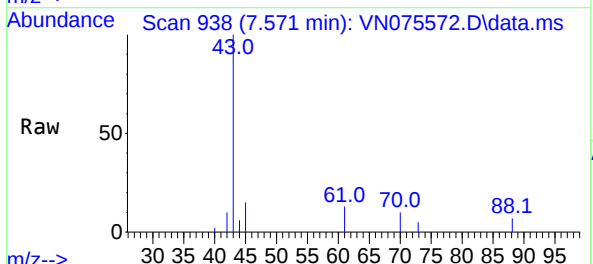
Instrument :
MSVOA_N
ClientSampleId :
PB149407ZHE#05



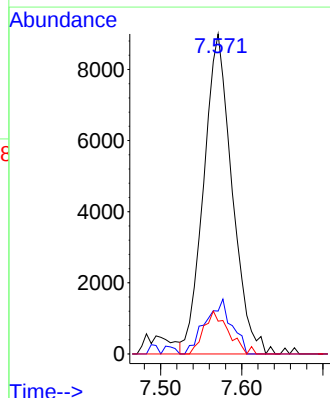
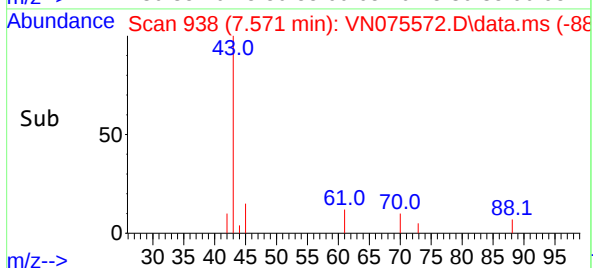
Tgt Ion: 75 Resp: 11761
Ion Ratio Lower Upper
75 100
110 7.7 17.8 53.3#
77 0.0 24.6 37.0#

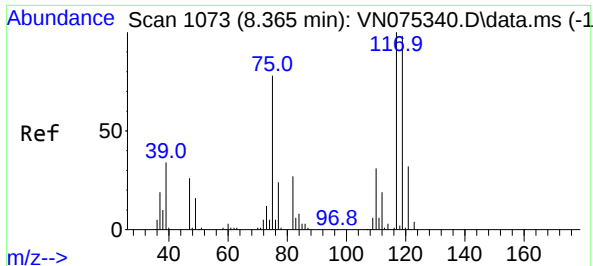


#37
Ethyl Acetate
Concen: 10.685 ug/l
RT: 7.571 min Scan# 938
Delta R.T. 0.006 min
Lab File: VN075572.D
Acq: 05 Dec 2022 20:30



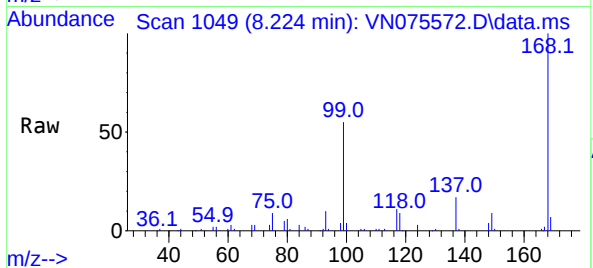
Tgt Ion: 43 Resp: 21817
Ion Ratio Lower Upper
43 100
61 15.9 12.2 18.4
70 11.6 9.4 14.2



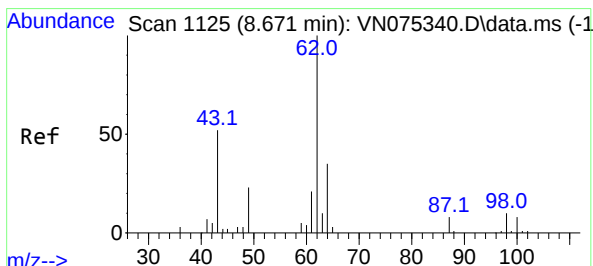
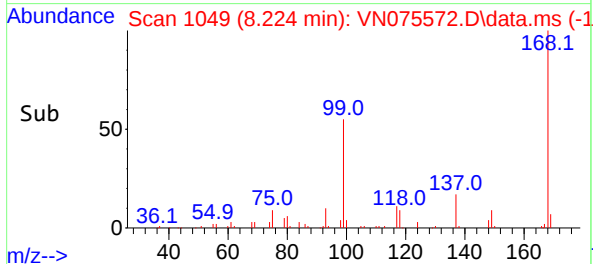
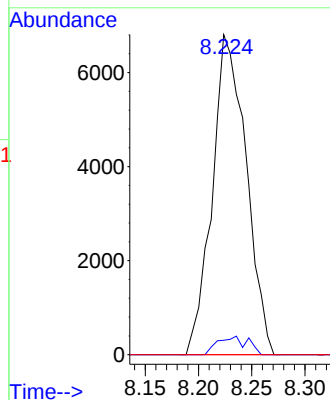


#38
Carbon Tetrachloride
Concen: 6.048 ug/l
RT: 8.224 min Scan# 1073
Delta R.T. -0.141 min
Lab File: VN075572.D
Acq: 05 Dec 2022 20:30

Instrument :
MSVOA_N
ClientSampleId :
PB149407ZHE#05

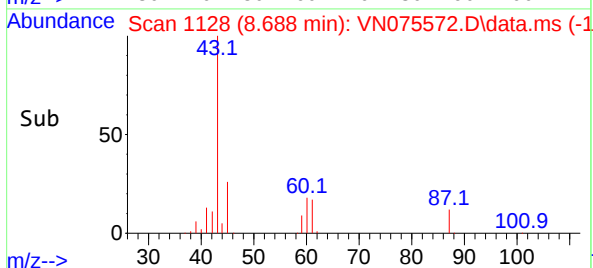
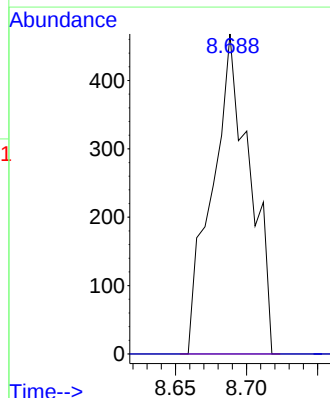
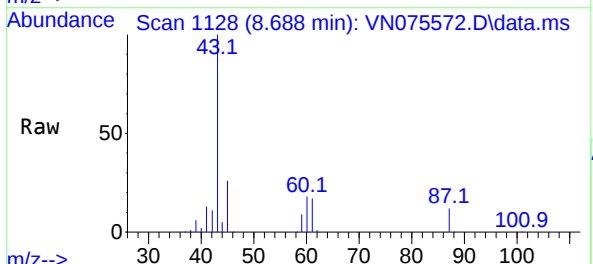


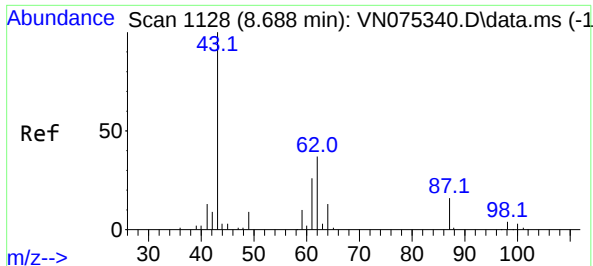
Tgt Ion:117 Resp: 15065
Ion Ratio Lower Upper
117 100
119 4.5 76.7 115.1#
121 0.0 23.9 35.9#



#42
1,2-Dichloroethane
Concen: 0.370 ug/l
RT: 8.688 min Scan# 1128
Delta R.T. 0.017 min
Lab File: VN075572.D
Acq: 05 Dec 2022 20:30

Tgt Ion: 62 Resp: 860
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2

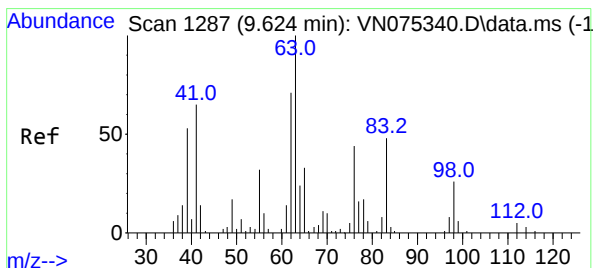
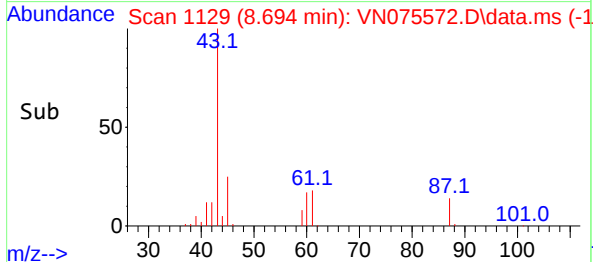
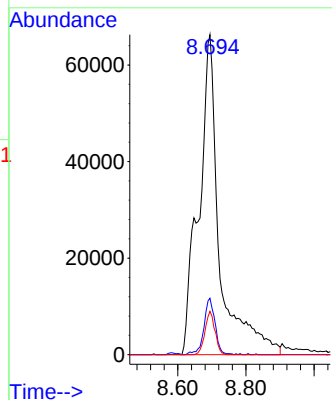
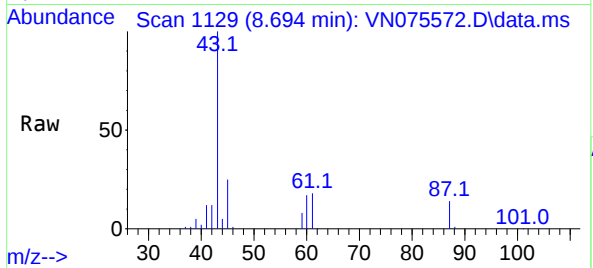




#43
Isopropyl Acetate
Concen: 85.561 ug/l
RT: 8.694 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN075572.D
Acq: 05 Dec 2022 20:30

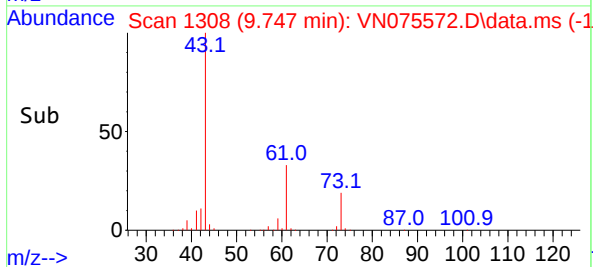
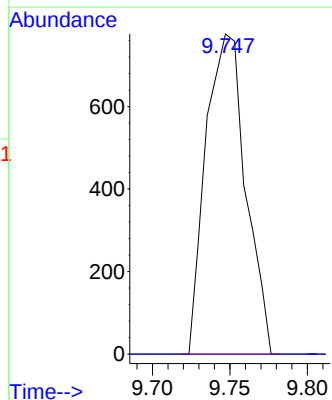
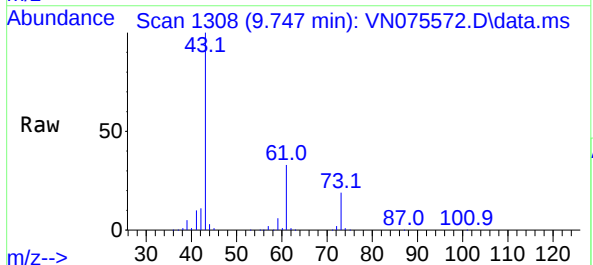
Instrument :
MSVOA_N
ClientSampleId :
PB149407ZHE#05

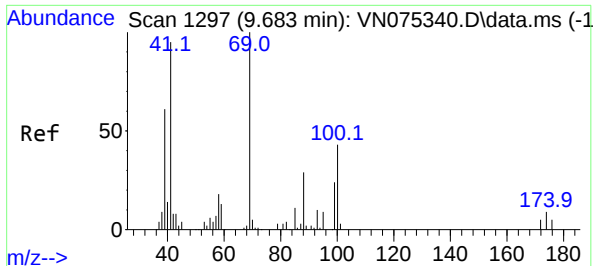
Tgt Ion: 43 Resp: 280425
Ion Ratio Lower Upper
43 100
61 9.5 22.4 33.6#
87 6.5 12.5 18.7#



#45
1,2-Dichloropropane
Concen: 0.838 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.123 min
Lab File: VN075572.D
Acq: 05 Dec 2022 20:30

Tgt Ion: 63 Resp: 1387
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#

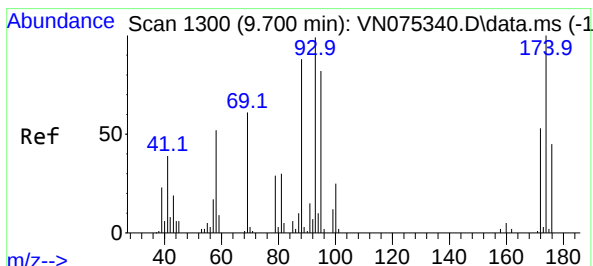
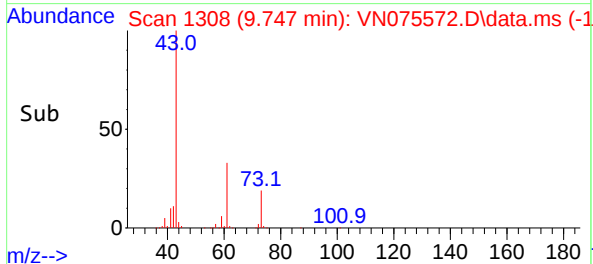
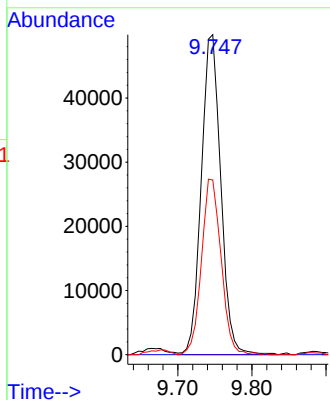
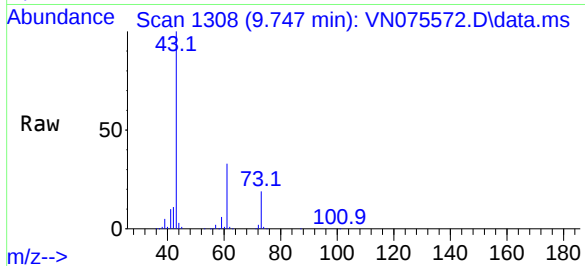




#48
Methyl methacrylate
Concen: 60.166 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.064 min
Lab File: VN075572.D
Acq: 05 Dec 2022 20:30

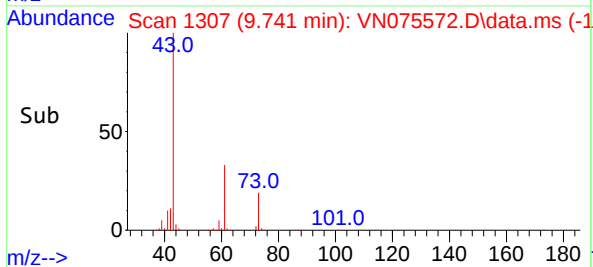
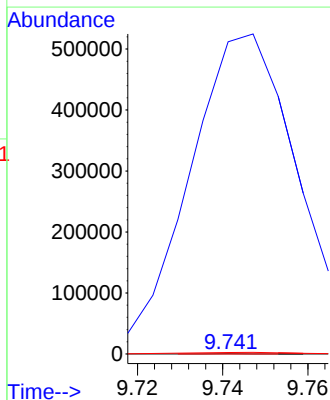
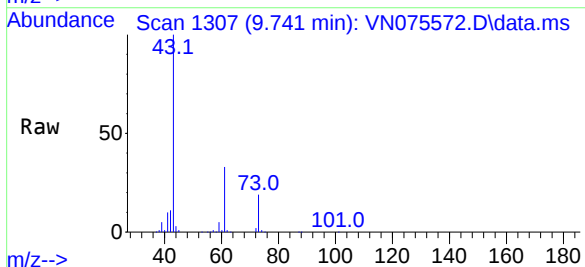
Instrument :
MSVOA_N
ClientSampleId :
PB149407ZHE#05

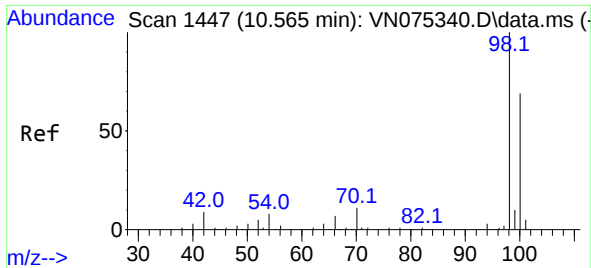
Tgt Ion: 41 Resp: 91180
Ion Ratio Lower Upper
41 100
69 0.0 80.2 120.2#
39 55.3 56.2 84.2#



#49
1,4-Dioxane
Concen: 1.557 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.041 min
Lab File: VN075572.D
Acq: 05 Dec 2022 20:30

Tgt Ion: 88 Resp: 67
Ion Ratio Lower Upper
88 100
43 1425726.9 17.5 26.3#
58 6864.2 49.8 74.8#

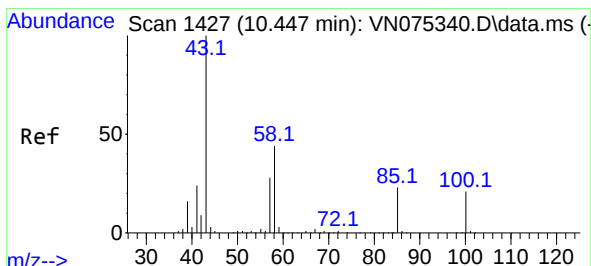
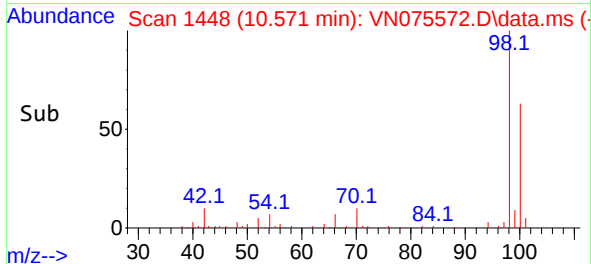
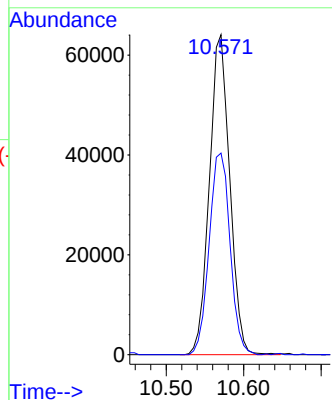
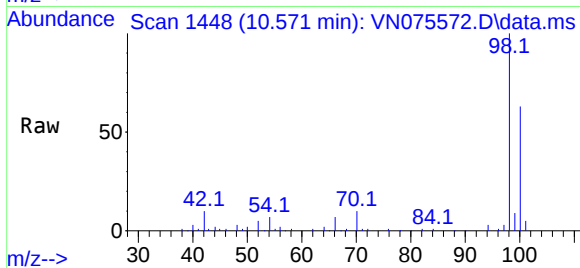




#50
Toluene-d8
Concen: 49.913 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN075572.D
Acq: 05 Dec 2022 20:30

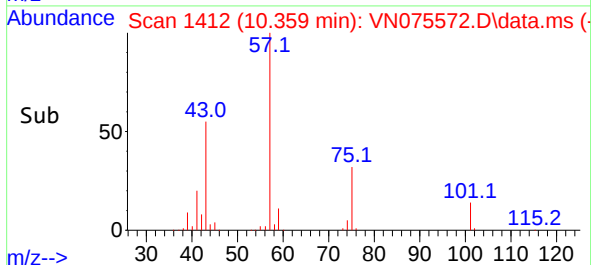
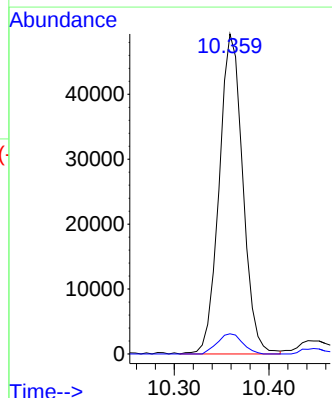
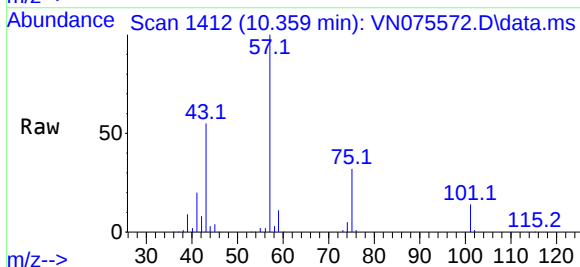
Instrument :
MSVOA_N
ClientSampleId :
PB149407ZHE#05

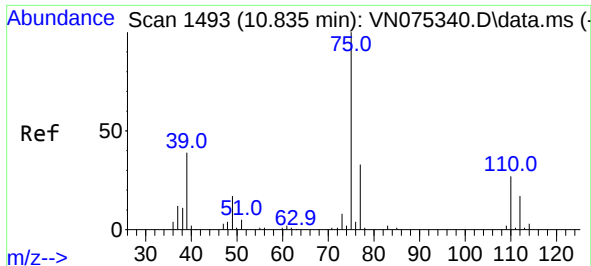
Tgt Ion: 98 Resp: 116898
Ion Ratio Lower Upper
98 100
100 64.7 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 40.978 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. -0.088 min
Lab File: VN075572.D
Acq: 05 Dec 2022 20:30

Tgt Ion: 43 Resp: 85540
Ion Ratio Lower Upper
43 100
58 6.7 33.6 50.4#

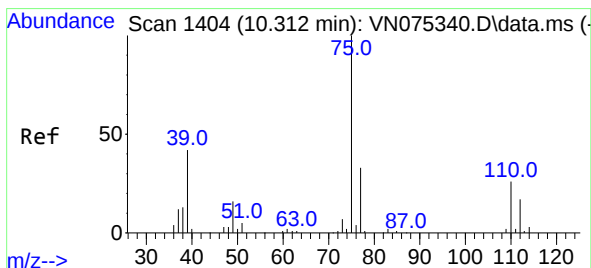
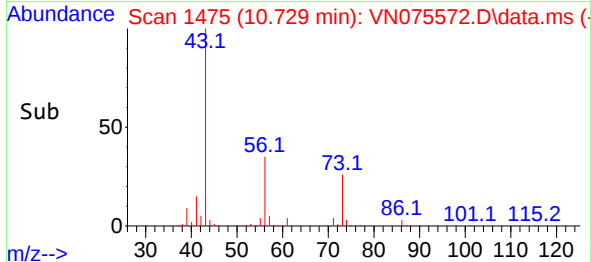
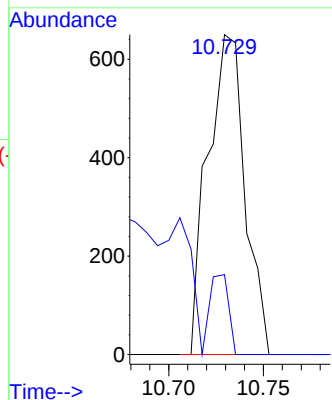
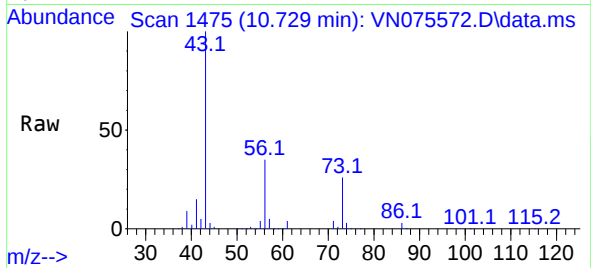




#53
t-1,3-Dichloropropene
Concen: 0.365 ug/l
RT: 10.729 min Scan# 1412
Delta R.T. -0.106 min
Lab File: VN075572.D
Acq: 05 Dec 2022 20:30

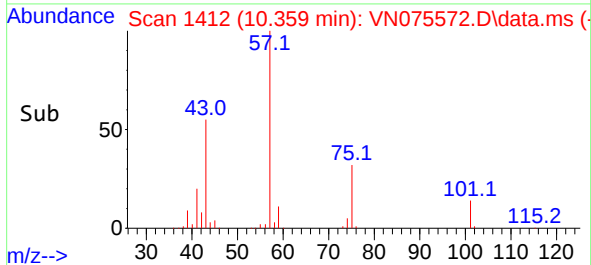
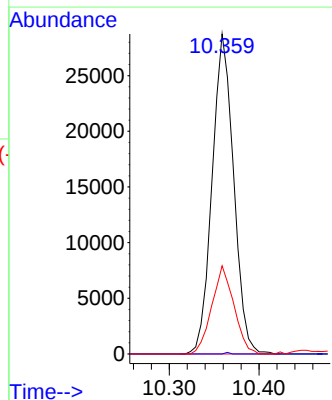
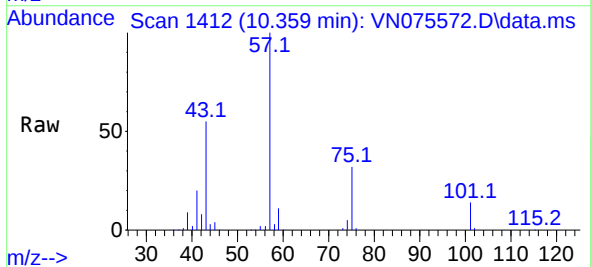
Instrument :
MSVOA_N
ClientSampleId :
PB149407ZHE#05

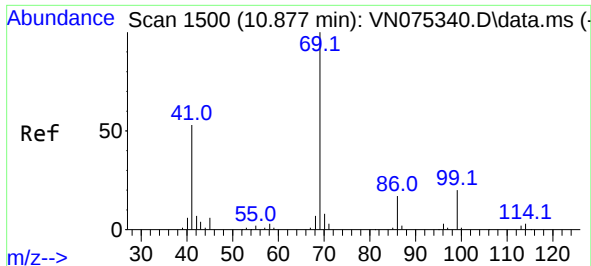
Tgt Ion: 75 Resp: 888
Ion Ratio Lower Upper
75 100
77 24.9 25.4 38.2#



#54
cis-1,3-Dichloropropene
Concen: 18.113 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. 0.047 min
Lab File: VN075572.D
Acq: 05 Dec 2022 20:30

Tgt Ion: 75 Resp: 47864
Ion Ratio Lower Upper
75 100
77 0.0 23.7 35.5#
39 27.5 35.8 53.6#

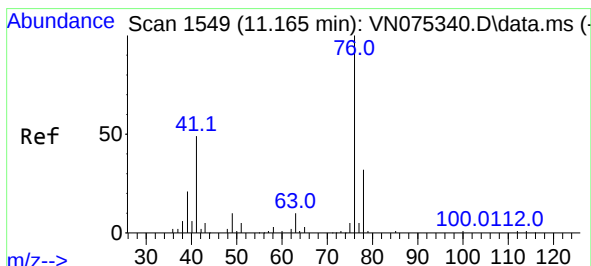
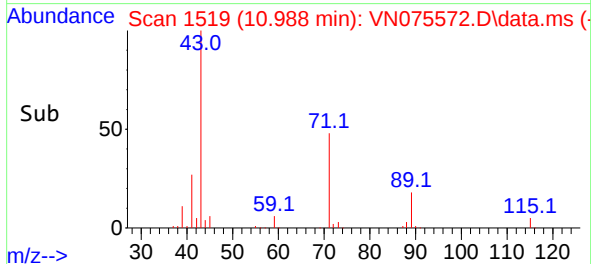
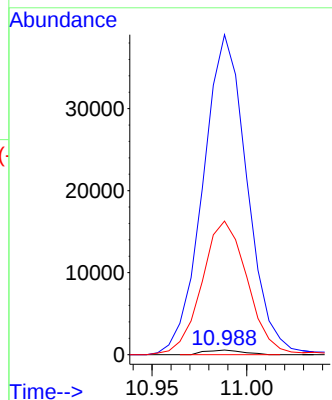
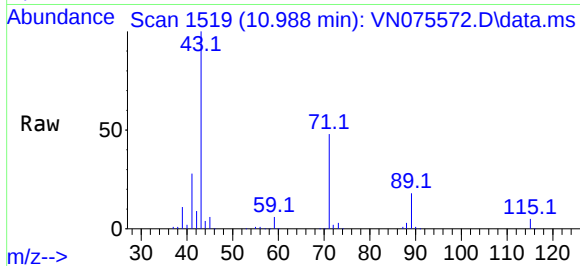




#56
Ethyl methacrylate
Concen: 0.319 ug/l
RT: 10.988 min Scan# 11
Delta R.T. 0.111 min
Lab File: VN075572.D
Acq: 05 Dec 2022 20:30

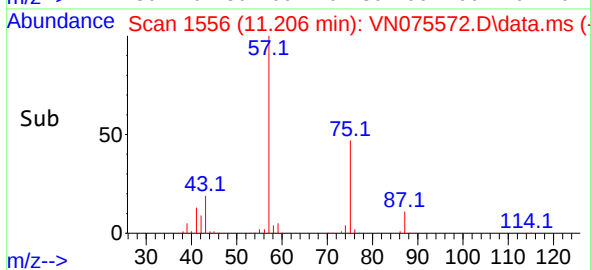
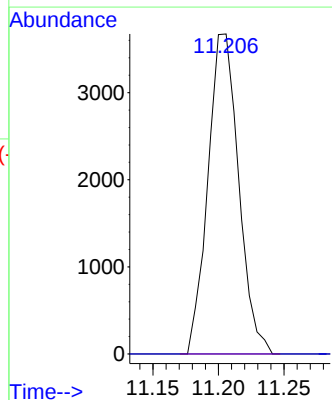
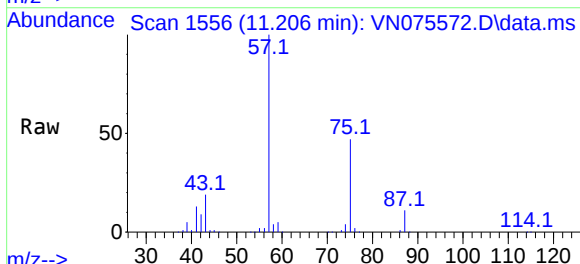
Instrument :
MSVOA_N
ClientSampleId :
PB149407ZHE#05

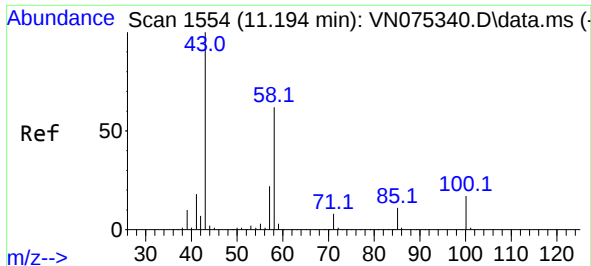
Tgt Ion: 69 Resp: 785
Ion Ratio Lower Upper
69 100
41 8124.7 45.6 68.4#
39 3507.8 28.5 42.7#



#57
1,3-Dichloropropane
Concen: 2.019 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN075572.D
Acq: 05 Dec 2022 20:30

Tgt Ion: 76 Resp: 5998
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

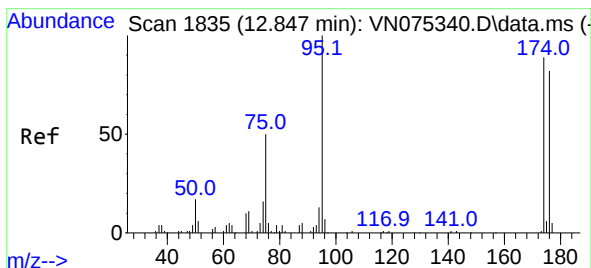
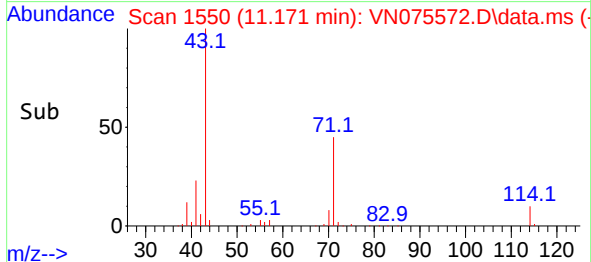
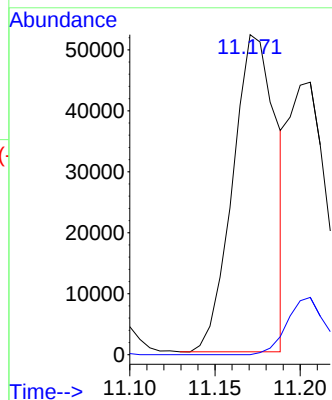
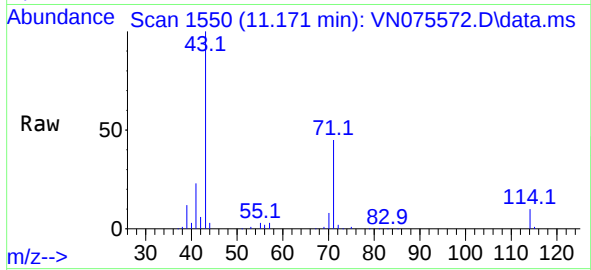




#59
2-Hexanone
Concen: 58.893 ug/l
RT: 11.171 min Scan# 111
Delta R.T. -0.023 min
Lab File: VN075572.D
Acq: 05 Dec 2022 20:30

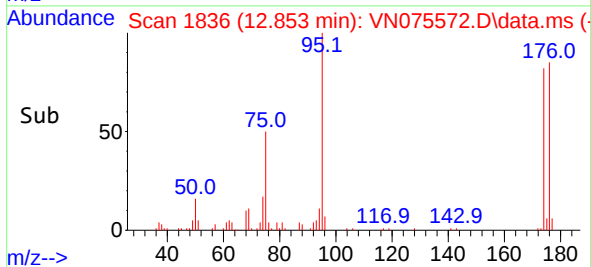
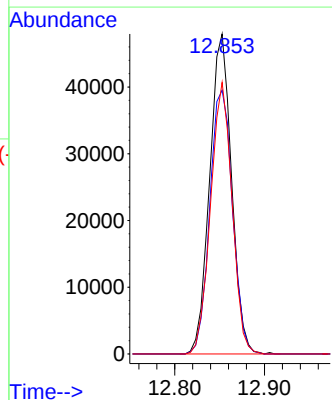
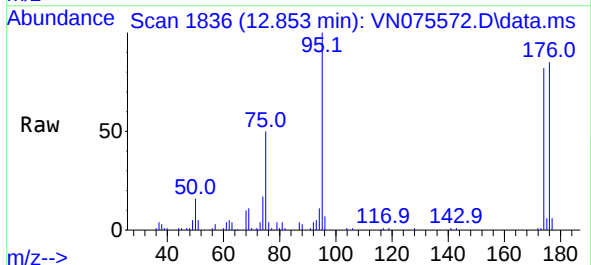
Instrument :
MSVOA_N
ClientSampleId :
PB149407ZHE#05

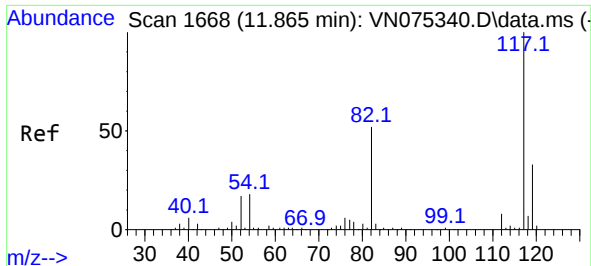
Tgt Ion: 43 Resp: 92314
Ion Ratio Lower Upper
43 100
58 0.0 29.6 88.8#



#62
4-Bromofluorobenzene
Concen: 46.861 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN075572.D
Acq: 05 Dec 2022 20:30

Tgt Ion: 95 Resp: 81007
Ion Ratio Lower Upper
95 100
174 85.8 0.0 147.4
176 83.3 0.0 142.2

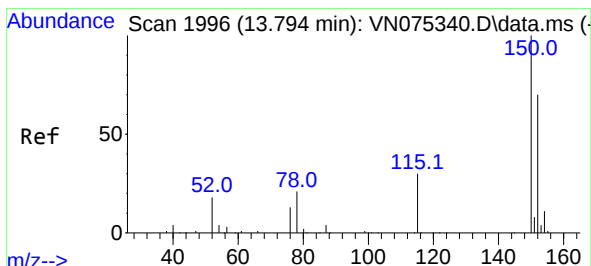
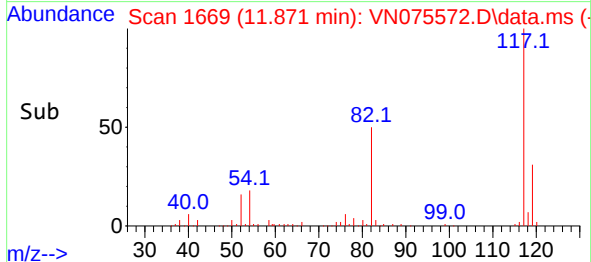
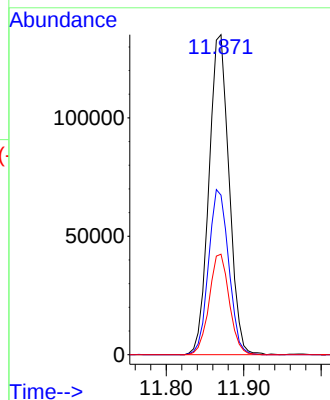
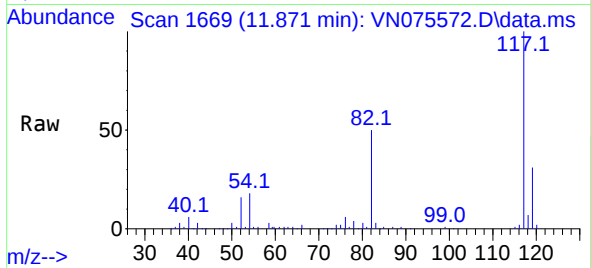




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN075572.D
Acq: 05 Dec 2022 20:30

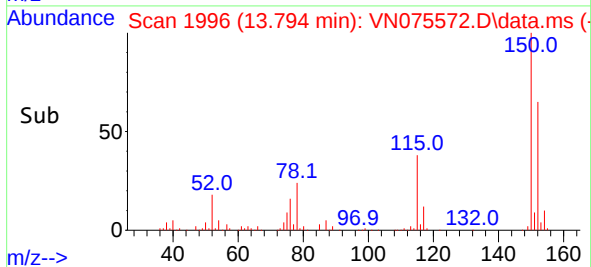
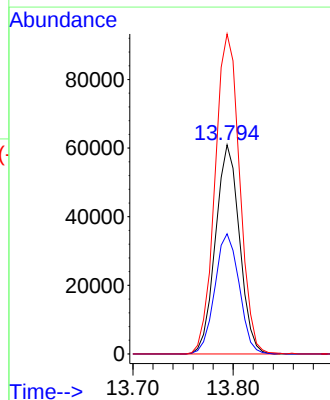
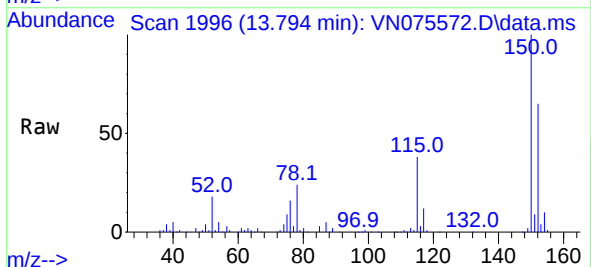
Instrument :
MSVOA_N
ClientSampleId :
PB149407ZHE#05

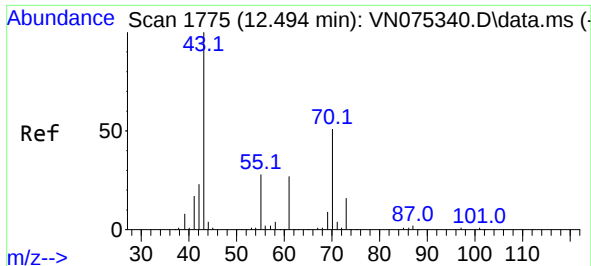
Tgt Ion:117 Resp: 243708
Ion Ratio Lower Upper
117 100
82 49.9 43.1 64.7
119 31.4 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075572.D
Acq: 05 Dec 2022 20:30

Tgt Ion:152 Resp: 101327
Ion Ratio Lower Upper
152 100
115 58.5 30.2 90.6
150 157.0 0.0 348.4



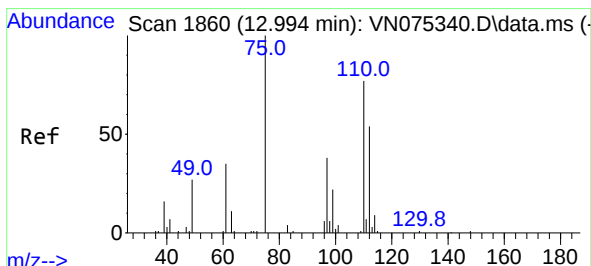
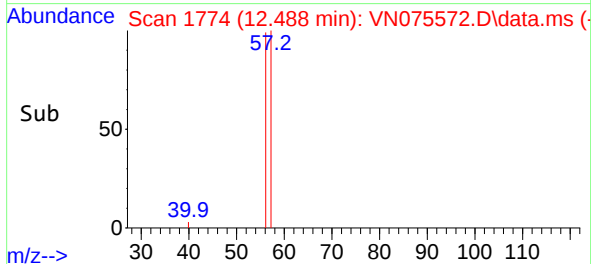
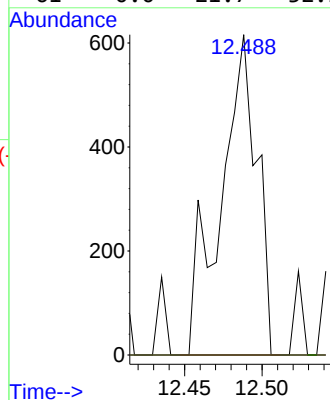
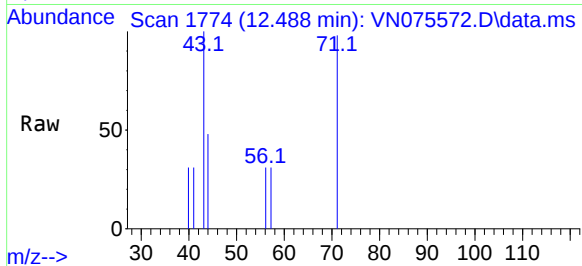


#74
N-amy1 acetate
Concen: 0.441 ug/l
RT: 12.488 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN075572.D
Acq: 05 Dec 2022 20:30

Instrument :
MSVOA_N
ClientSampleId :
PB149407ZHE#05

Tgt Ion: 43 Resp: 1003

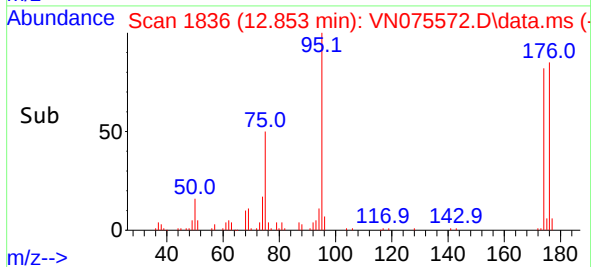
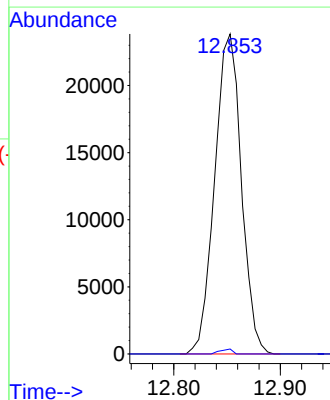
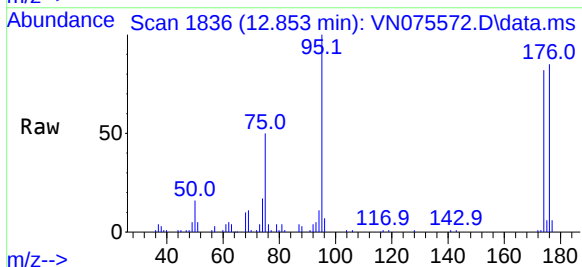
Ion	Ratio	Lower	Upper
43	100		
70	0.0	39.8	59.8#
55	0.0	19.9	29.9#
61	0.0	21.7	32.5#

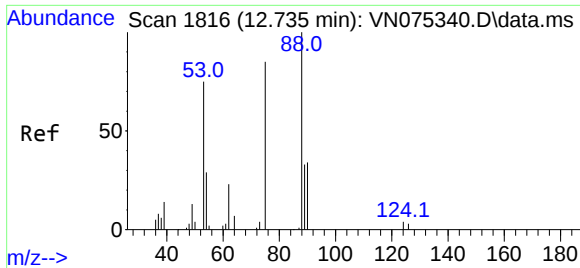


#76
1,2,3-Trichloropropane
Concen: 21.607 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075572.D
Acq: 05 Dec 2022 20:30

Tgt Ion: 75 Resp: 41395

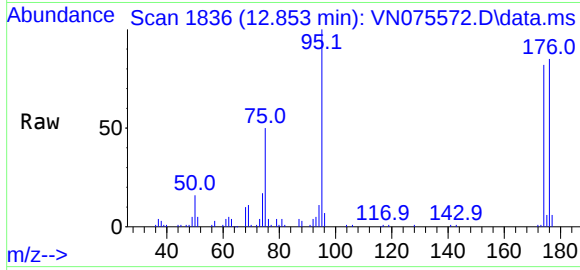
Ion	Ratio	Lower	Upper
75	100		
77	0.7	75.6	226.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.930 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN075572.D
 Acq: 05 Dec 2022 20:30

Instrument :
 MSVOA_N
 ClientSampleId :
 PB149407ZHE#05



Tgt Ion: 75 Resp: 41395
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.0 37.7 56.5#

