

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120522\
 Data File : VN075569.D
 Acq On : 05 Dec 2022 19:19
 Operator : JC\MD
 Sample : PB149407ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB149407ZHE#02

Quant Time: Dec 06 03:26:41 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

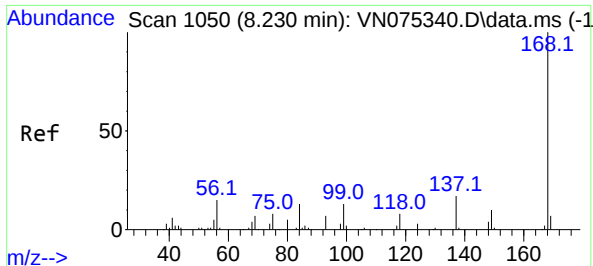
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	161363	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	279325	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	252404	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	111598	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	43873	50.652	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.300%			
35) Dibromofluoromethane	8.171	113	56463	51.457	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.920%			
50) Toluene-d8	10.571	98	124167	50.242	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.480%			
62) 4-Bromofluorobenzene	12.853	95	88676	48.612	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.220%			
Target Compounds					Qvalue	
6) Chloroethane	3.183	64	415	0.283	ug/l #	45
11) Tert butyl alcohol	5.500	59	4280	11.771	ug/l #	72
16) Acetone	4.436	43	10468	12.957	ug/l	91
18) Methyl Acetate	5.042	43	4425	0.901	ug/l	99
20) Methylene Chloride	5.277	84	4794	1.691	ug/l #	72
25) 2-Butanone	7.506	43	894	0.793	ug/l #	43
31) Cyclohexane	8.218	56	2777	1.009	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	12307	5.143	ug/l #	49
37) Ethyl Acetate	7.571	43	20104	9.331	ug/l	99
38) Carbon Tetrachloride	8.230	117	16098	6.124	ug/l #	15
42) 1,2-Dichloroethane	8.688	62	674	0.275	ug/l #	75
43) Isopropyl Acetate	8.694	43	161770	46.775	ug/l #	78
45) 1,2-Dichloropropane	9.741	63	1270	0.727	ug/l #	42
48) Methyl methacrylate	9.747	41	84453	52.810	ug/l #	34
51) 4-Methyl-2-Pentanone	10.359	43	81172	36.850	ug/l #	44
53) t-1,3-Dichloropropene	10.729	75	786	0.306	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	44813	16.071	ug/l #	65
56) Ethyl methacrylate	10.982	69	864	0.333	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5300	1.690	ug/l #	42
59) 2-Hexanone	11.171	43	87892	53.137	ug/l #	21
74) N-amyl acetate	12.482	43	1093	0.436	ug/l #	38
76) 1,2,3-Trichloropropane	12.847	75	44756	21.211	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	44756	62.759	ug/l #	10

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

Quant Time: Dec 06 03:26:41 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

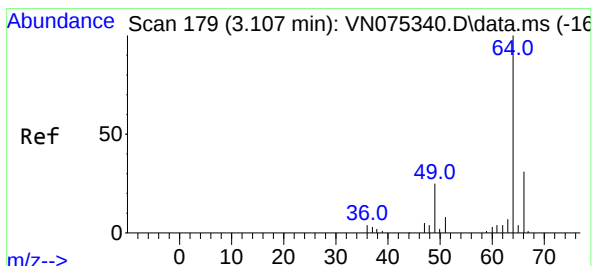
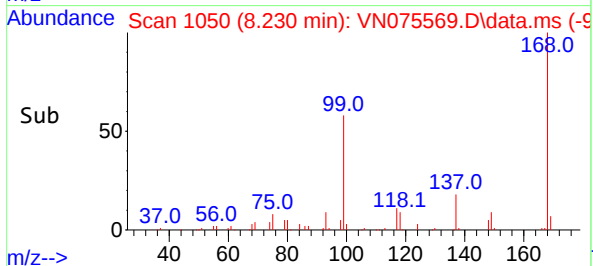
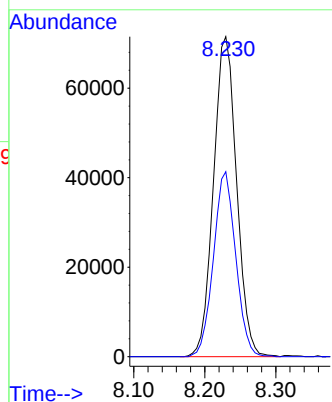
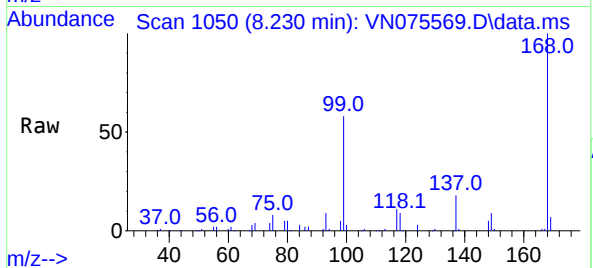




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN075569.D
Acq: 05 Dec 2022 19:19

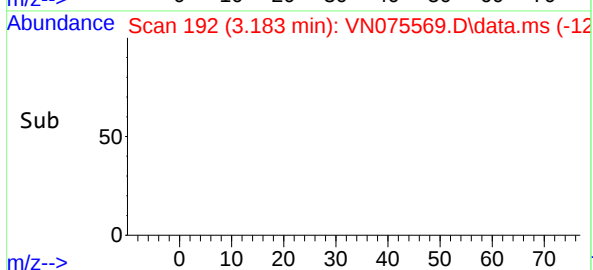
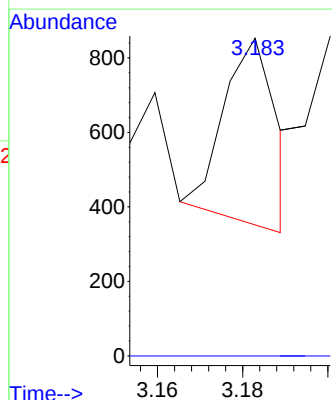
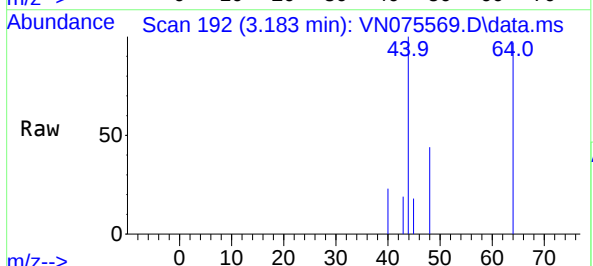
Instrument :
MSVOA_N
ClientSampleId :
PB149407ZHE#02

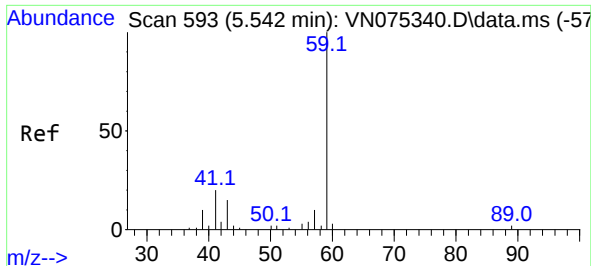
Tgt Ion:168 Resp: 161363
Ion Ratio Lower Upper
168 100
99 57.8 51.6 77.4



#6
Chloroethane
Concen: 0.283 ug/l
RT: 3.183 min Scan# 192
Delta R.T. 0.076 min
Lab File: VN075569.D
Acq: 05 Dec 2022 19:19

Tgt Ion: 64 Resp: 415
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#

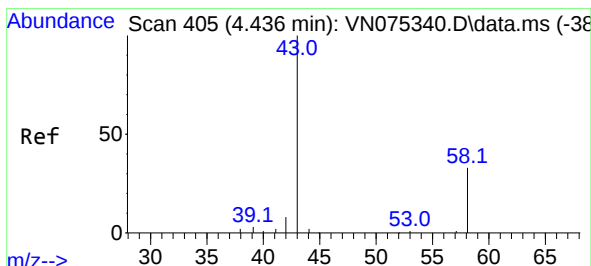
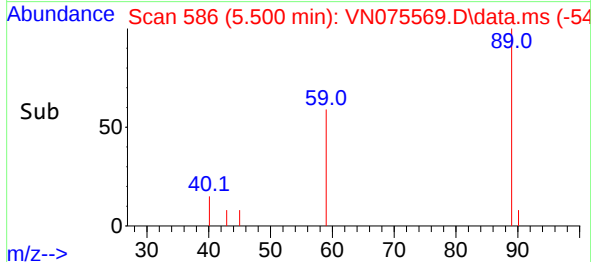
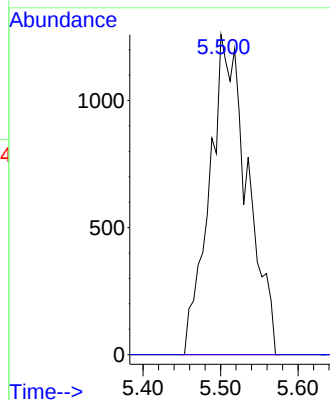
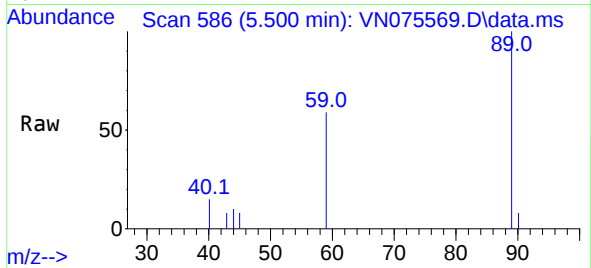




#11
Tert butyl alcohol
Concen: 11.771 ug/l
RT: 5.500 min Scan# 51
Delta R.T. -0.042 min
Lab File: VN075569.D
Acq: 05 Dec 2022 19:19

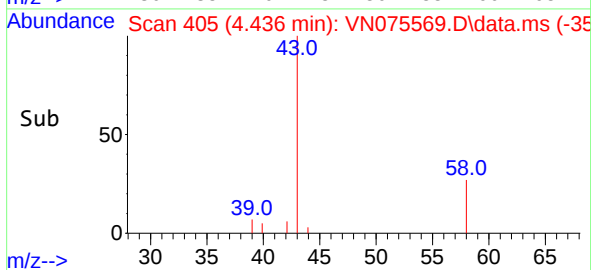
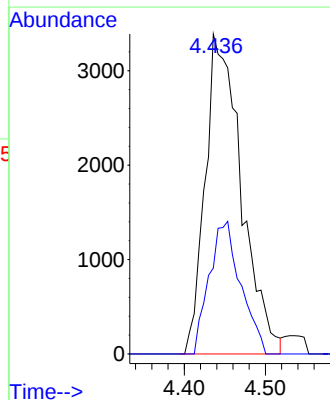
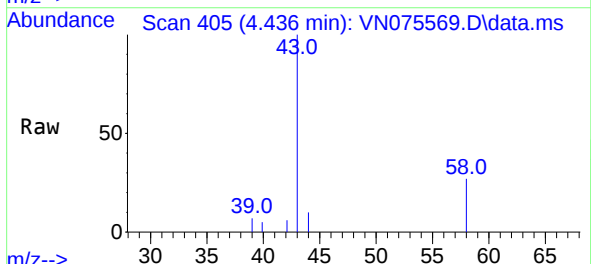
Instrument :
MSVOA_N
ClientSampleId :
PB149407ZHE#02

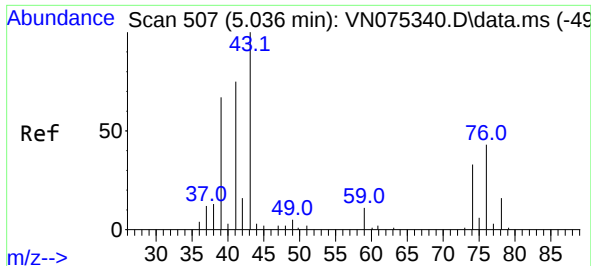
Tgt Ion: 59 Resp: 4280
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 12.957 ug/l
RT: 4.436 min Scan# 405
Delta R.T. -0.000 min
Lab File: VN075569.D
Acq: 05 Dec 2022 19:19

Tgt Ion: 43 Resp: 10468
Ion Ratio Lower Upper
43 100
58 26.8 25.5 38.3

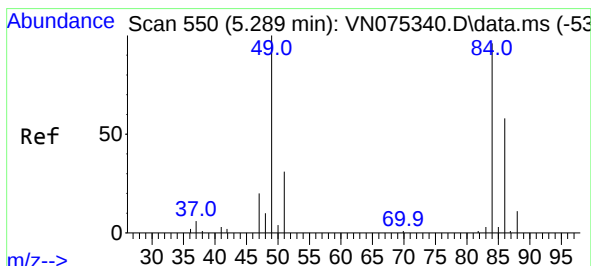
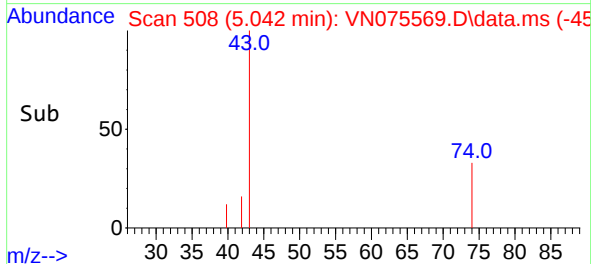
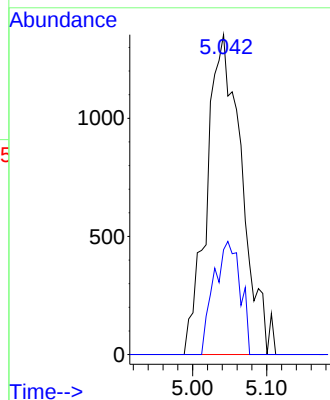
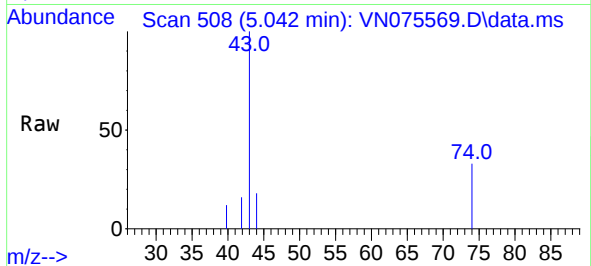




#18
Methyl Acetate
Concen: 0.901 ug/l
RT: 5.042 min Scan# 50
Delta R.T. 0.006 min
Lab File: VN075569.D
Acq: 05 Dec 2022 19:19

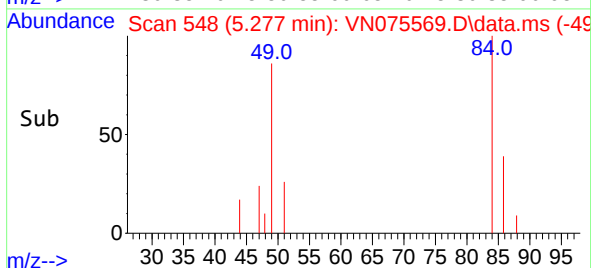
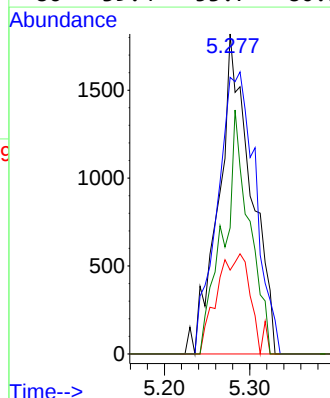
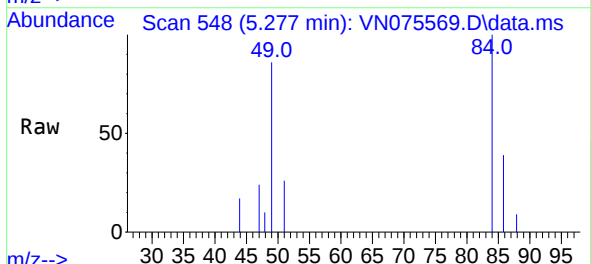
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MSVOA_N
ClientSampleId :
PB149407ZHE#02

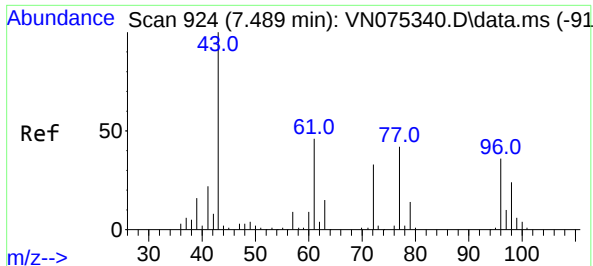
Tgt Ion: 43 Resp: 4425
Ion Ratio Lower Upper
43 100
74 26.8 22.0 33.0



#20
Methylene Chloride
Concen: 1.691 ug/l
RT: 5.277 min Scan# 548
Delta R.T. -0.012 min
Lab File: VN075569.D
Acq: 05 Dec 2022 19:19

Tgt Ion: 84 Resp: 4794
Ion Ratio Lower Upper
84 100
49 86.4 94.9 142.3#
51 26.2 26.8 40.2#
86 39.4 53.7 80.5#

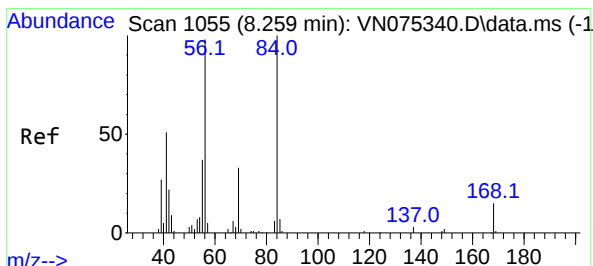
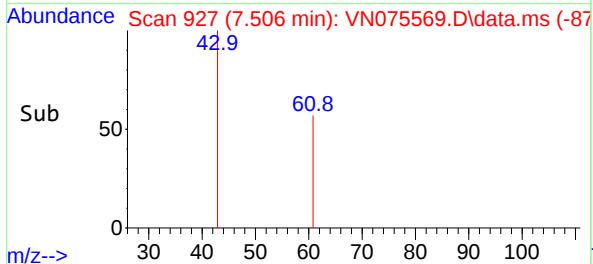
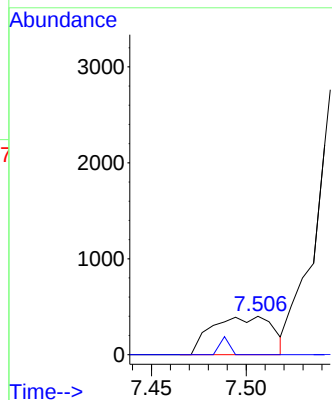
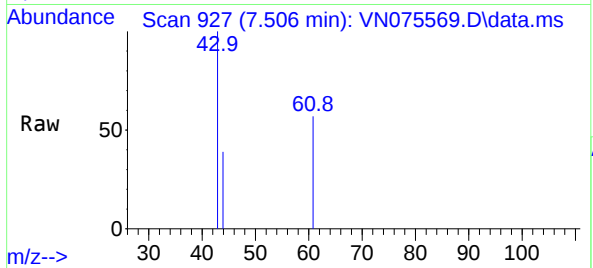




#25
2-Butanone
Concen: 0.793 ug/l
RT: 7.506 min Scan# 91
Delta R.T. 0.017 min
Lab File: VN075569.D
Acq: 05 Dec 2022 19:19

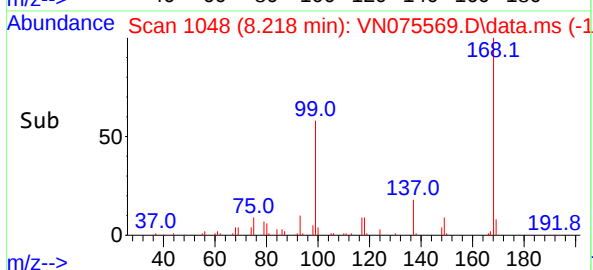
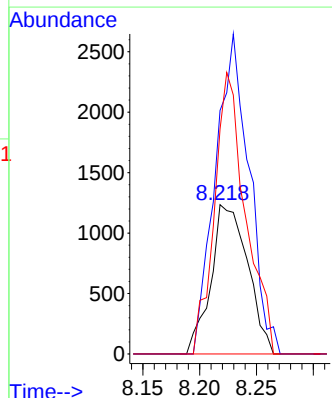
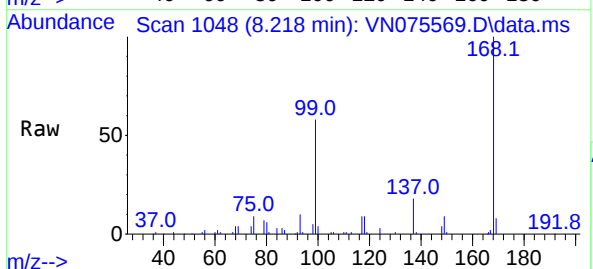
Instrument :
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ClientSampleId :
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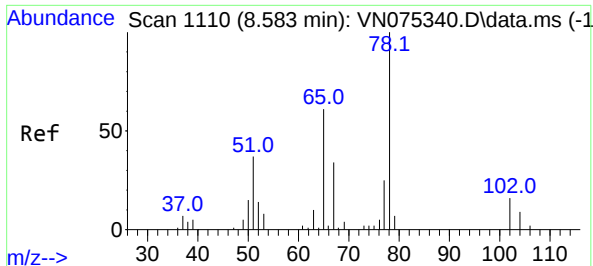
Tgt Ion: 43 Resp: 894
Ion Ratio Lower Upper
43 100
72 0.0 25.5 38.3#



#31
Cyclohexane
Concen: 1.009 ug/l
RT: 8.218 min Scan# 1048
Delta R.T. -0.041 min
Lab File: VN075569.D
Acq: 05 Dec 2022 19:19

Tgt Ion: 56 Resp: 2777
Ion Ratio Lower Upper
56 100
69 163.1 25.2 37.8#
84 150.6 77.8 116.8#

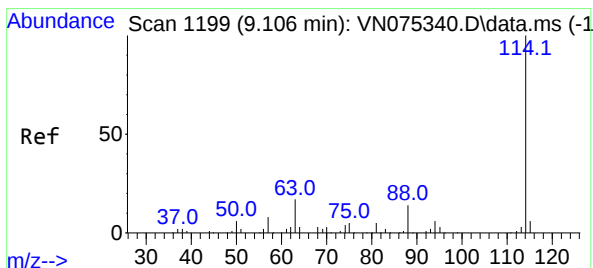
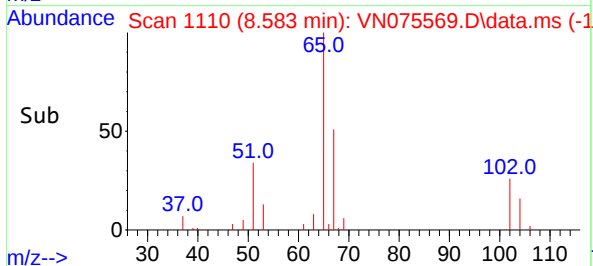
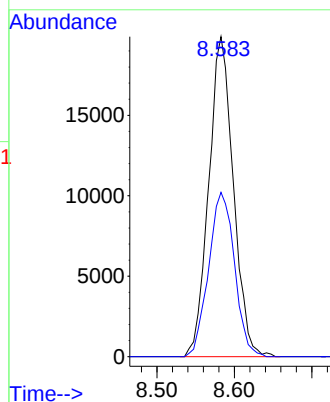
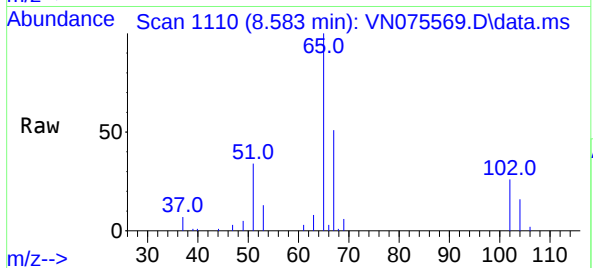




#33
1,2-Dichloroethane-d4
Concen: 50.652 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VN075569.D
Acq: 05 Dec 2022 19:19

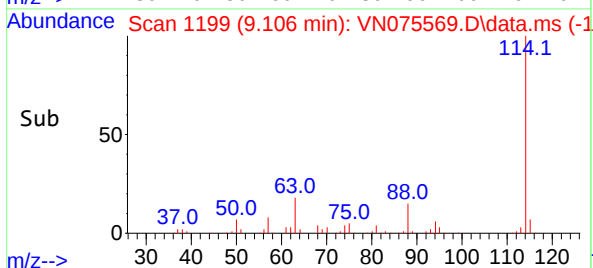
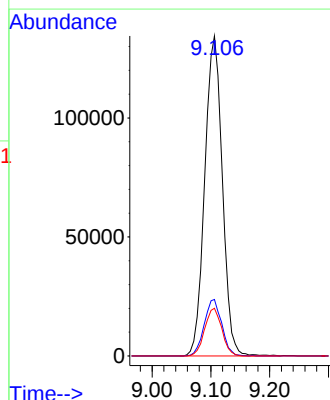
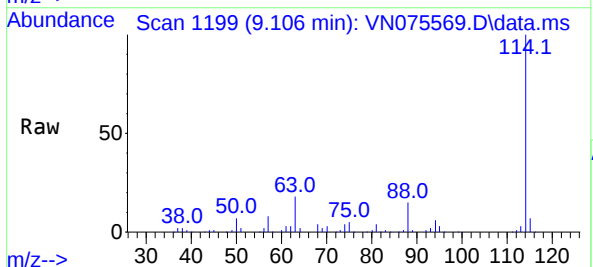
Instrument :
MSVOA_N
ClientSampleId :
PB149407ZHE#02

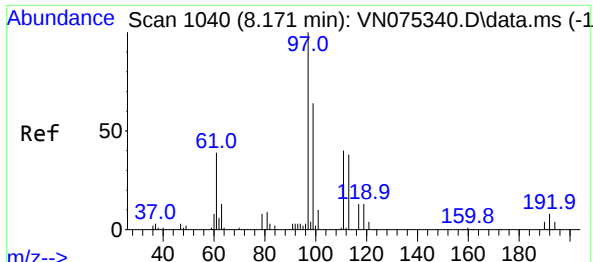
Tgt Ion: 65 Resp: 43873
Ion Ratio Lower Upper
65 100
67 54.0 0.0 102.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN075569.D
Acq: 05 Dec 2022 19:19

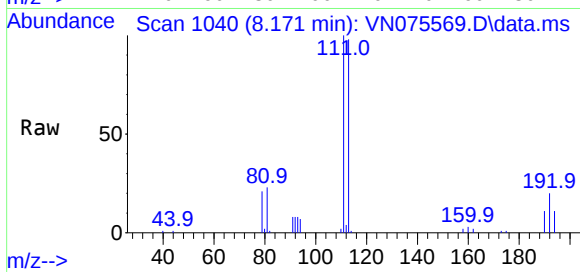
Tgt Ion: 114 Resp: 279325
Ion Ratio Lower Upper
114 100
63 17.7 0.0 39.6
88 14.9 0.0 29.0



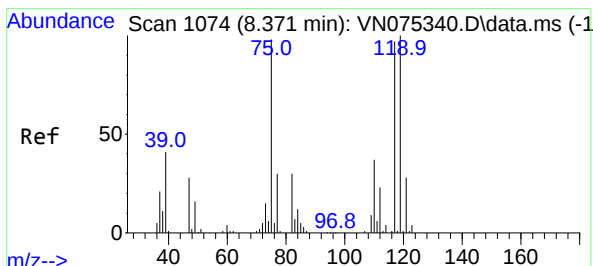
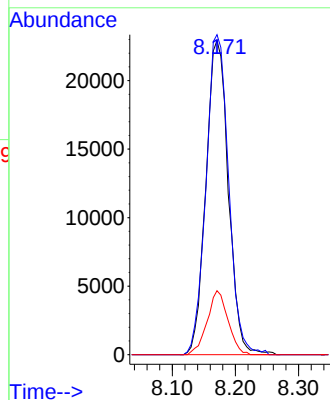
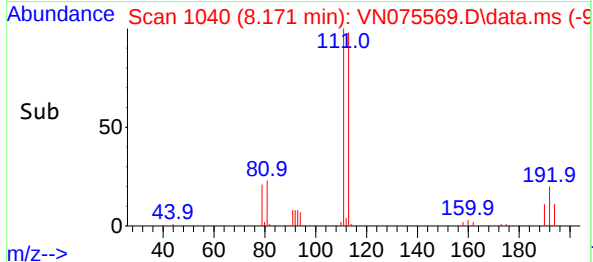


#35
Dibromofluoromethane
Concen: 51.457 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN075569.D
Acq: 05 Dec 2022 19:19

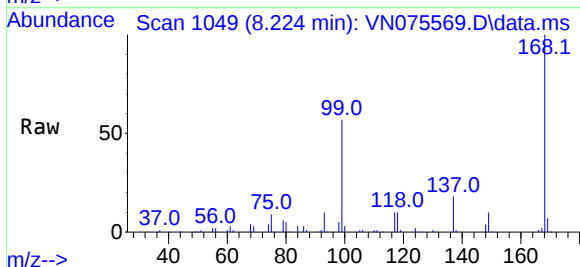
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PB149407ZHE#02



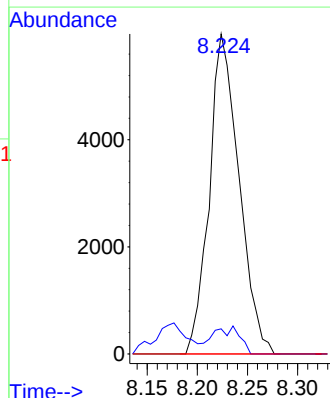
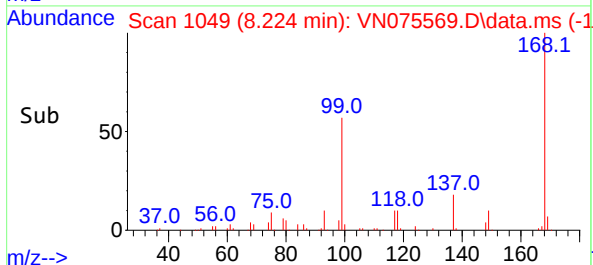
Tgt Ion:113 Resp: 56463
Ion Ratio Lower Upper
113 100
111 102.8 80.5 120.7
192 18.9 13.2 19.8

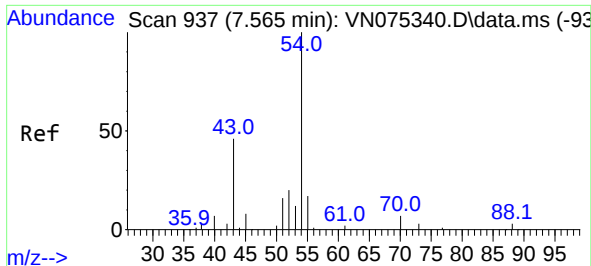


#36
1,1-Dichloropropene
Concen: 5.143 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.147 min
Lab File: VN075569.D
Acq: 05 Dec 2022 19:19



Tgt Ion: 75 Resp: 12307
Ion Ratio Lower Upper
75 100
110 8.1 17.8 53.3#
77 0.0 24.6 37.0#

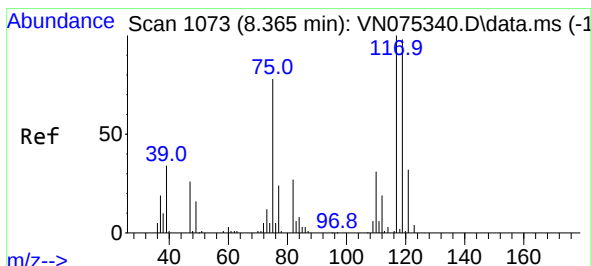
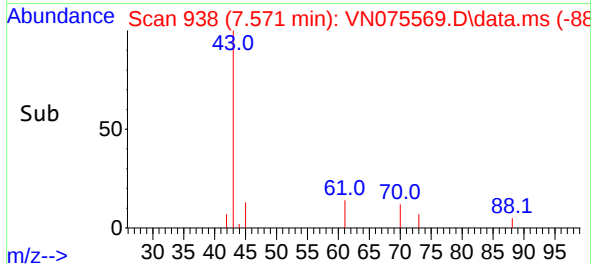
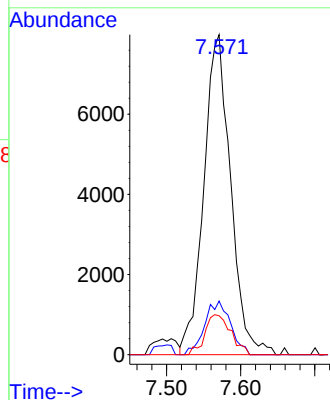
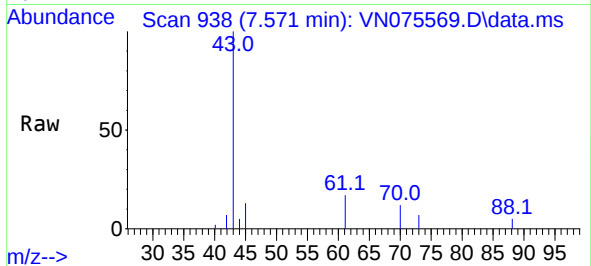




#37
Ethyl Acetate
Concen: 9.331 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN075569.D
Acq: 05 Dec 2022 19:19

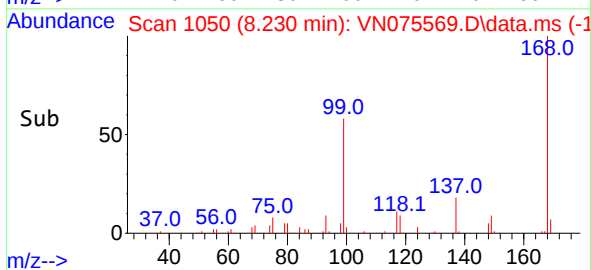
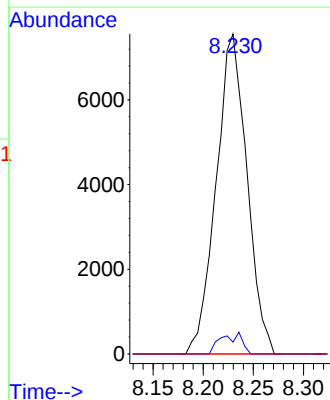
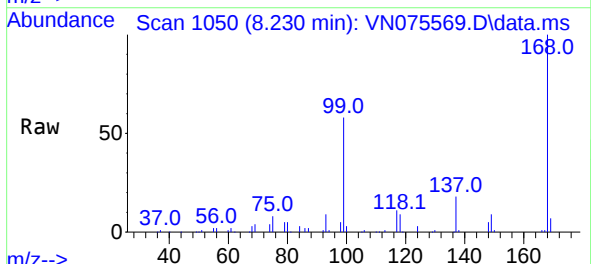
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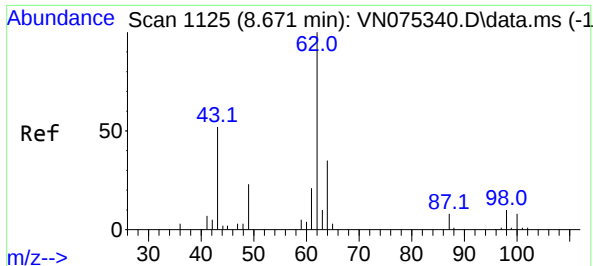
Tgt Ion: 43	Resp: 20104
Ion Ratio	Lower Upper
43 100	
61 16.2	12.2 18.4
70 12.0	9.4 14.2



#38
Carbon Tetrachloride
Concen: 6.124 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN075569.D
Acq: 05 Dec 2022 19:19

Tgt Ion: 117	Resp: 16098
Ion Ratio	Lower Upper
117 100	
119 3.7	76.7 115.1#
121 0.0	23.9 35.9#

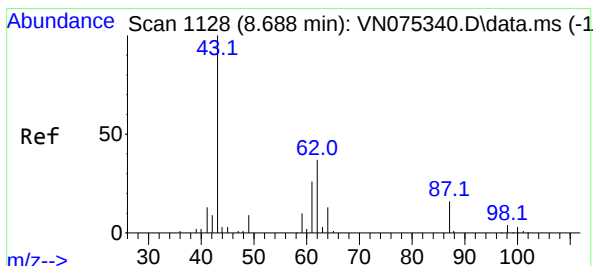
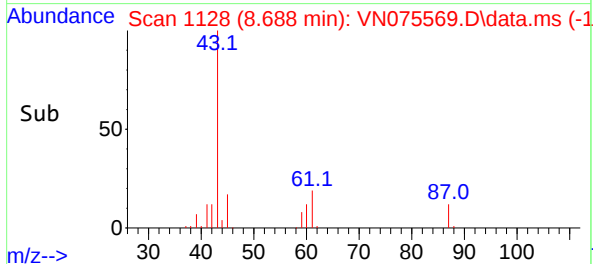
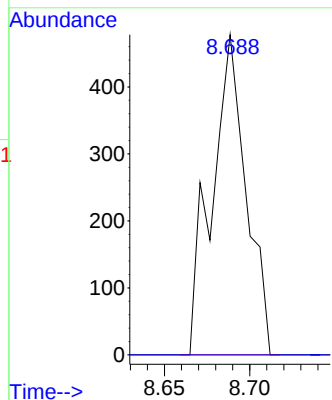
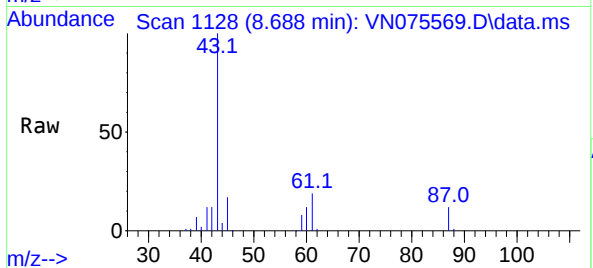




#42
1,2-Dichloroethane
Concen: 0.275 ug/l
RT: 8.688 min Scan# 1128
Delta R.T. 0.017 min
Lab File: VN075569.D
Acq: 05 Dec 2022 19:19

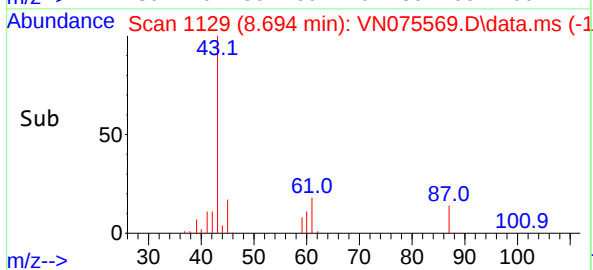
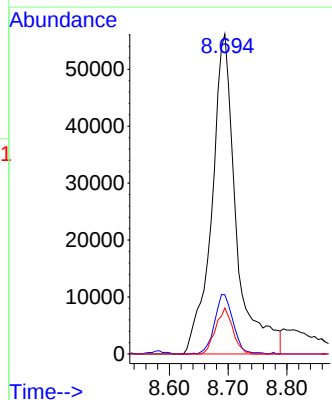
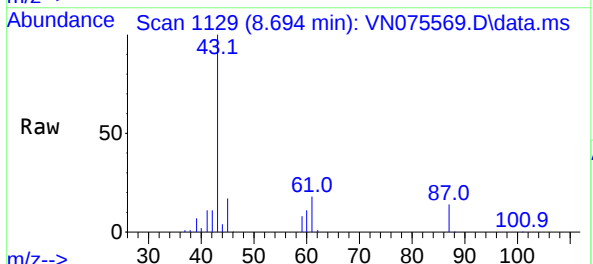
Instrument :
MSVOA_N
ClientSampleId :
PB149407ZHE#02

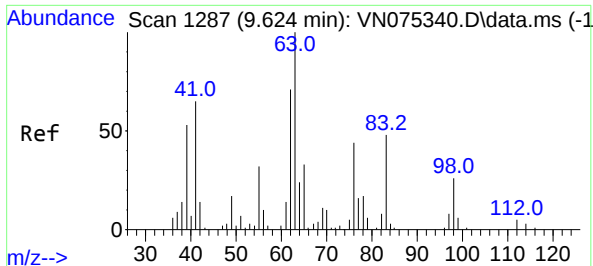
Tgt Ion: 62 Resp: 674
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2



#43
Isopropyl Acetate
Concen: 46.775 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.006 min
Lab File: VN075569.D
Acq: 05 Dec 2022 19:19

Tgt Ion: 43 Resp: 161770
Ion Ratio Lower Upper
43 100
61 14.2 22.4 33.6#
87 10.1 12.5 18.7#

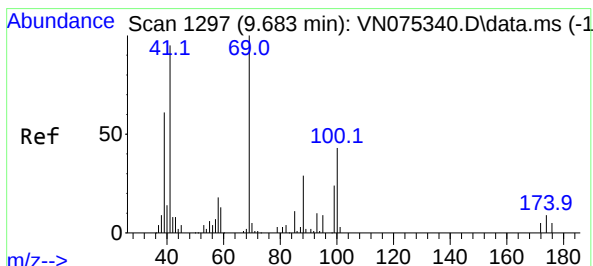
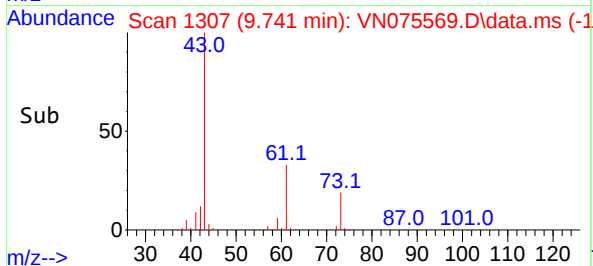
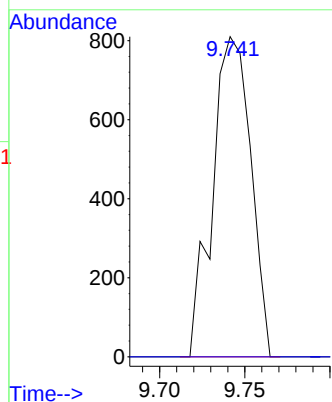
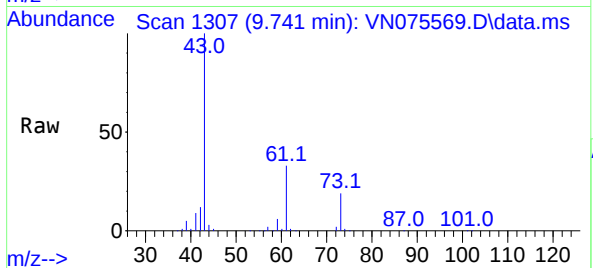




#45
1,2-Dichloropropane
Concen: 0.727 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.117 min
Lab File: VN075569.D
Acq: 05 Dec 2022 19:19

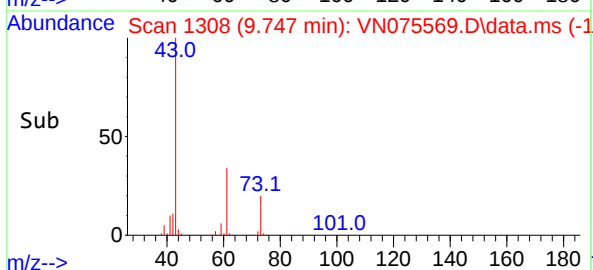
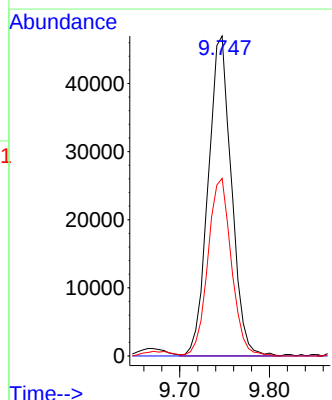
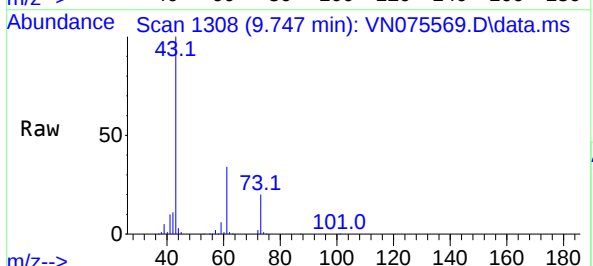
Instrument :
MSVOA_N
ClientSampleId :
PB149407ZHE#02

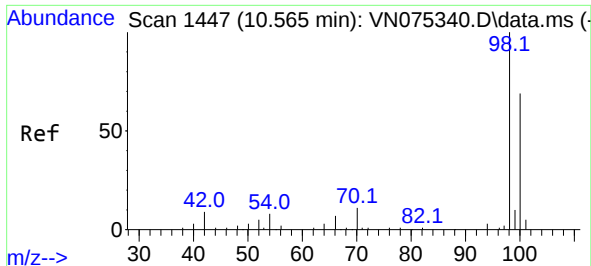
Tgt Ion: 63 Resp: 1270
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#



#48
Methyl methacrylate
Concen: 52.810 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.064 min
Lab File: VN075569.D
Acq: 05 Dec 2022 19:19

Tgt Ion: 41 Resp: 84453
Ion Ratio Lower Upper
41 100
69 0.0 80.2 120.2#
39 56.1 56.2 84.2#

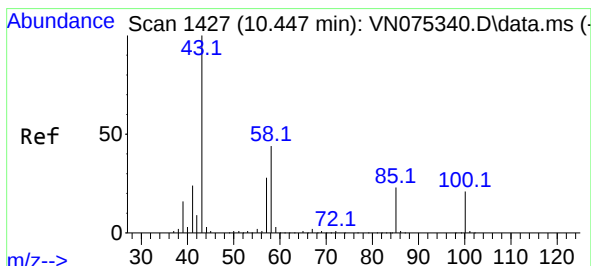
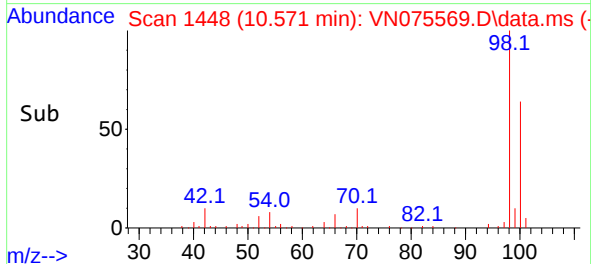
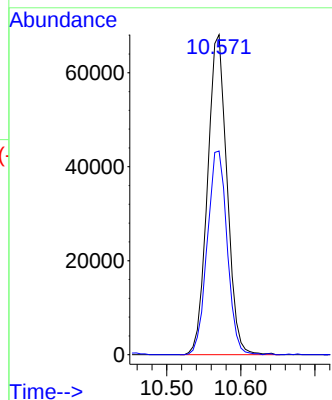
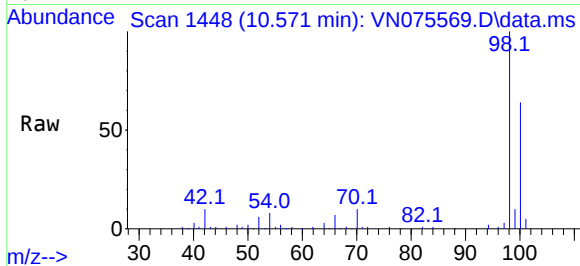




#50
Toluene-d8
Concen: 50.242 ug/l
RT: 10.571 min Scan# 1447
Delta R.T. 0.006 min
Lab File: VN075569.D
Acq: 05 Dec 2022 19:19

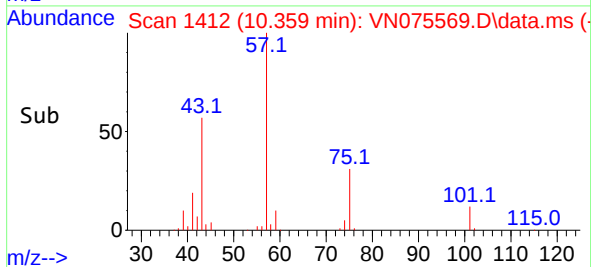
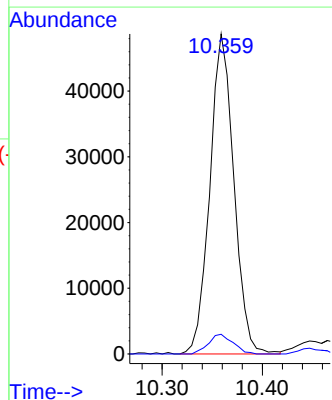
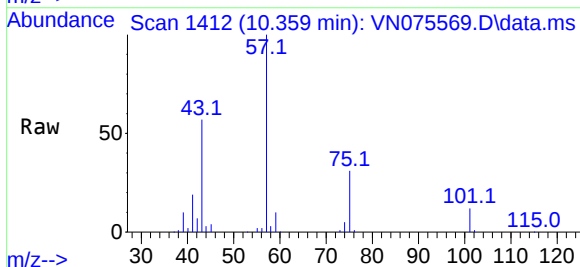
Instrument :
MSVOA_N
ClientSampleId :
PB149407ZHE#02

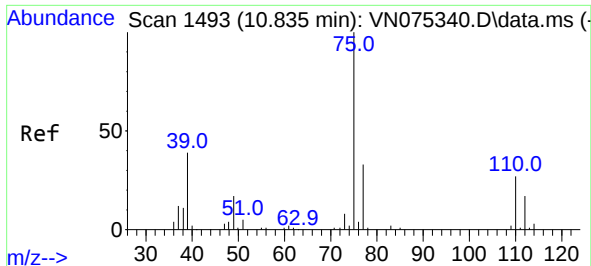
Tgt Ion: 98 Resp: 124167
Ion Ratio Lower Upper
98 100
100 64.8 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 36.850 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. -0.088 min
Lab File: VN075569.D
Acq: 05 Dec 2022 19:19

Tgt Ion: 43 Resp: 81172
Ion Ratio Lower Upper
43 100
58 6.3 33.6 50.4#

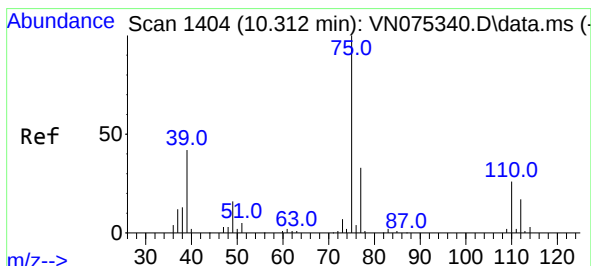
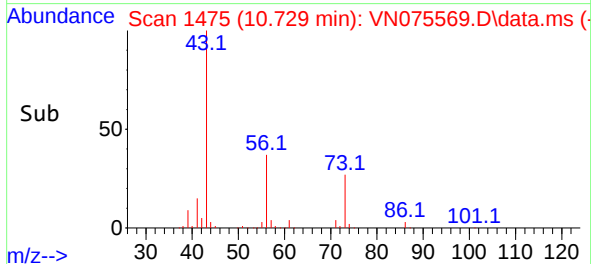
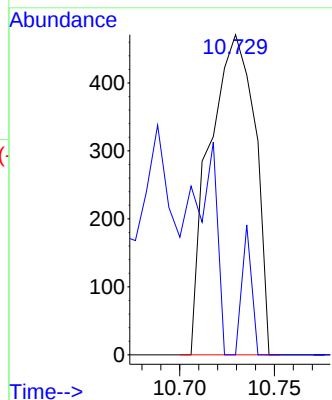
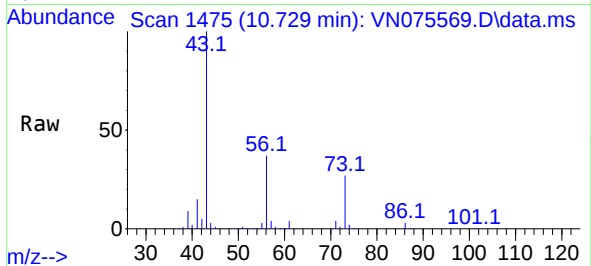




#53
t-1,3-Dichloropropene
Concen: 0.306 ug/l
RT: 10.729 min Scan# 1412
Delta R.T. -0.106 min
Lab File: VN075569.D
Acq: 05 Dec 2022 19:19

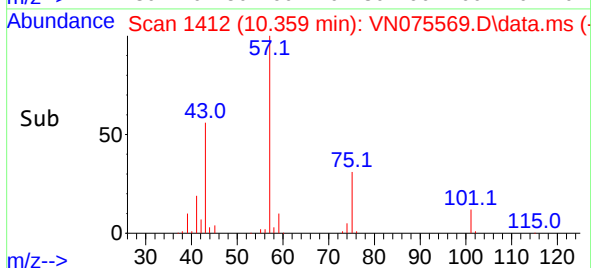
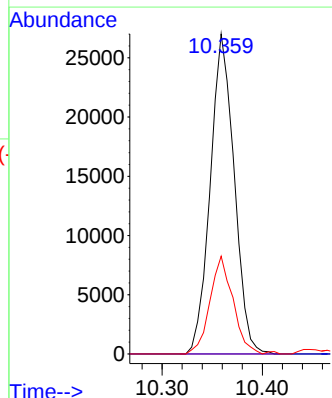
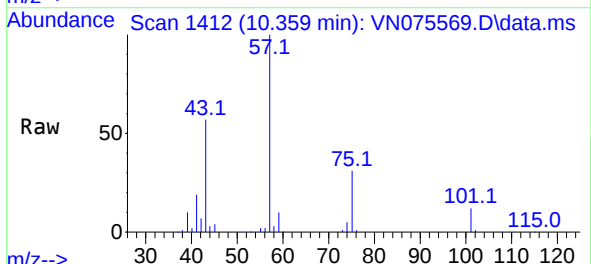
Instrument :
MSVOA_N
ClientSampleId :
PB149407ZHE#02

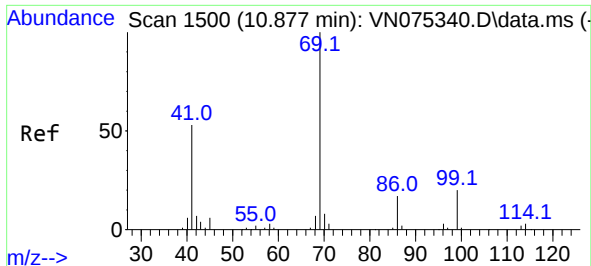
Tgt Ion: 75 Resp: 786
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#



#54
cis-1,3-Dichloropropene
Concen: 16.071 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. 0.047 min
Lab File: VN075569.D
Acq: 05 Dec 2022 19:19

Tgt Ion: 75 Resp: 44813
Ion Ratio Lower Upper
75 100
77 0.0 23.7 35.5#
39 30.6 35.8 53.6#

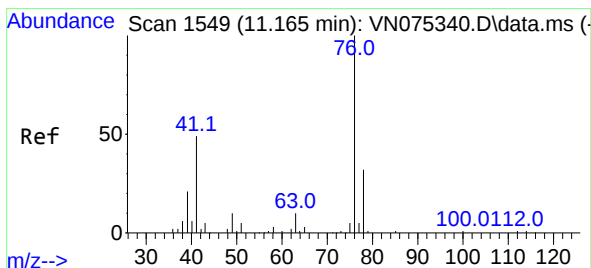
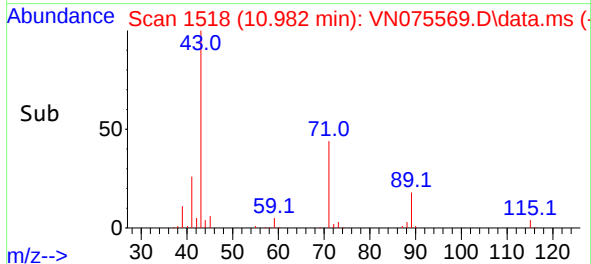
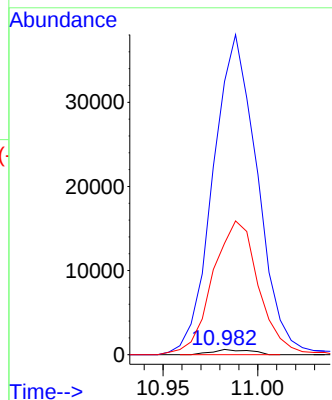
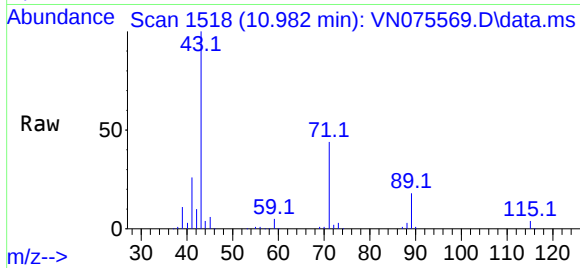




#56
Ethyl methacrylate
Concen: 0.333 ug/l
RT: 10.982 min Scan# 11
Delta R.T. 0.105 min
Lab File: VN075569.D
Acq: 05 Dec 2022 19:19

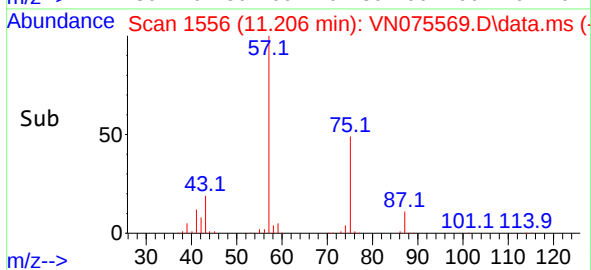
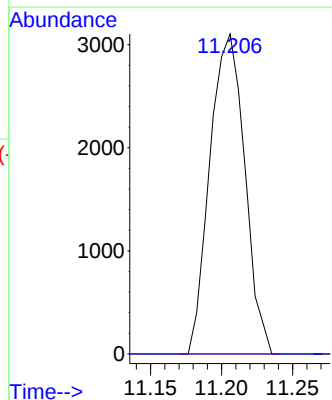
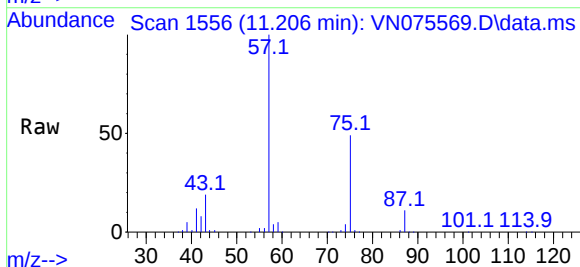
Instrument :
MSVOA_N
ClientSampleId :
PB149407ZHE#02

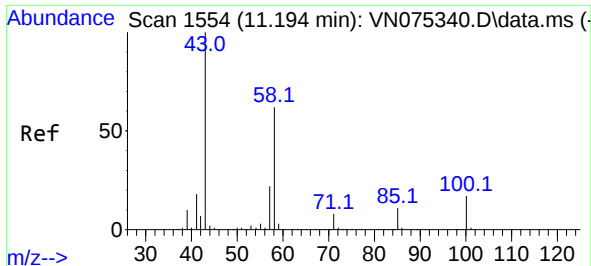
Tgt Ion: 69 Resp: 864
Ion Ratio Lower Upper
69 100
41 7238.2 45.6 68.4#
39 3134.1 28.5 42.7#



#57
1,3-Dichloropropane
Concen: 1.690 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN075569.D
Acq: 05 Dec 2022 19:19

Tgt Ion: 76 Resp: 5300
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

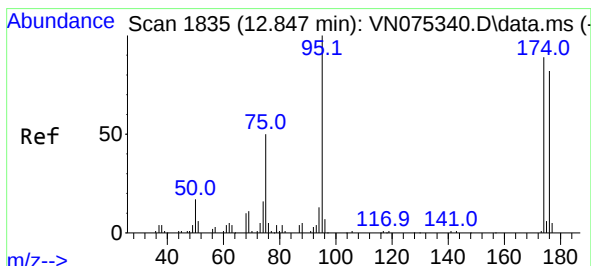
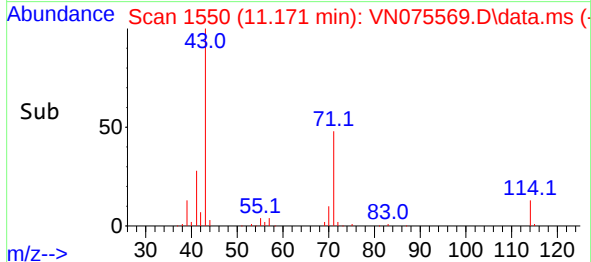
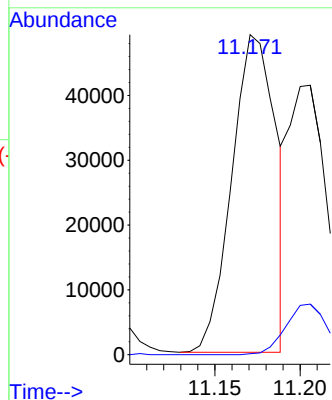
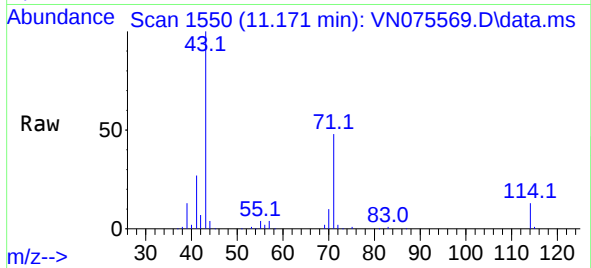




#59
2-Hexanone
Concen: 53.137 ug/l
RT: 11.171 min Scan# 1150
Delta R.T. -0.023 min
Lab File: VN075569.D
Acq: 05 Dec 2022 19:19

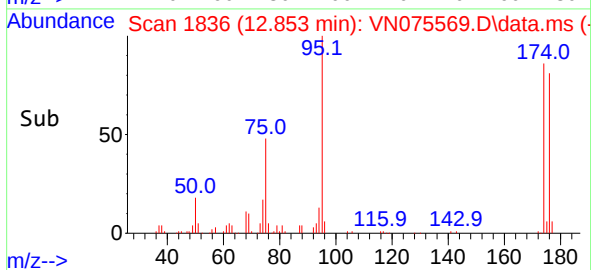
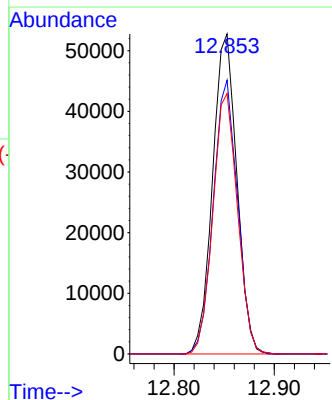
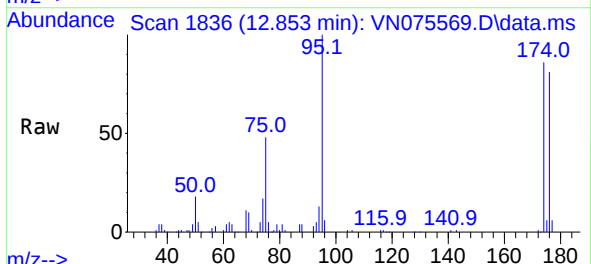
Instrument :
MSVOA_N
ClientSampleId :
PB149407ZHE#02

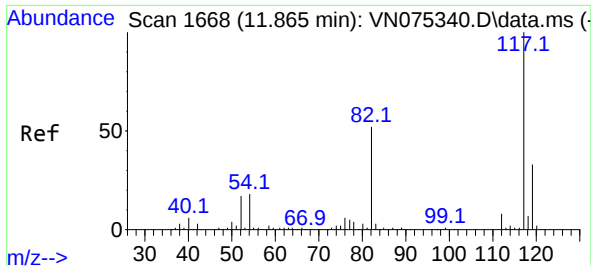
Tgt Ion: 43 Resp: 87892
Ion Ratio Lower Upper
43 100
58 0.0 29.6 88.8#



#62
4-Bromofluorobenzene
Concen: 48.612 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN075569.D
Acq: 05 Dec 2022 19:19

Tgt Ion: 95 Resp: 88676
Ion Ratio Lower Upper
95 100
174 85.6 0.0 147.4
176 82.4 0.0 142.2

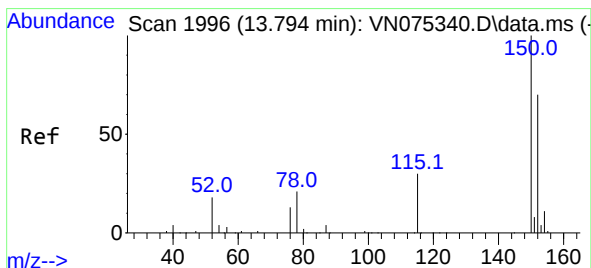
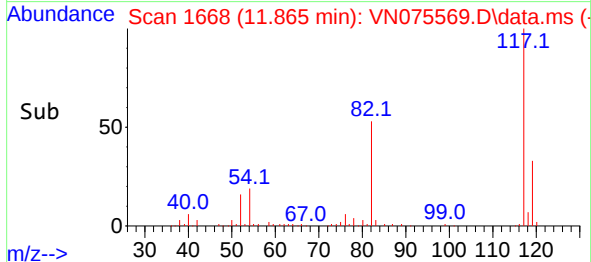
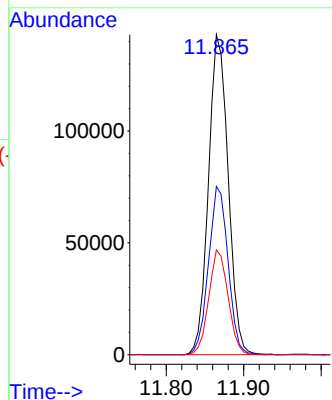
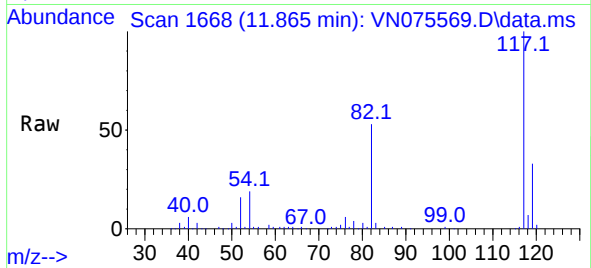




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN075569.D
Acq: 05 Dec 2022 19:19

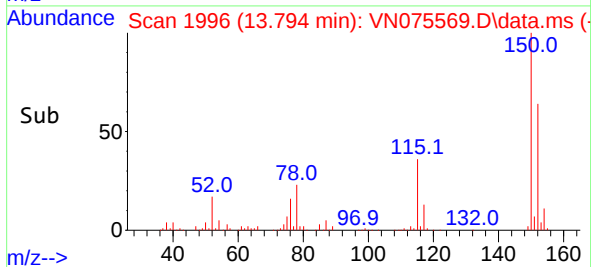
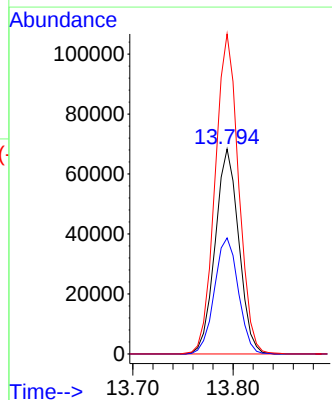
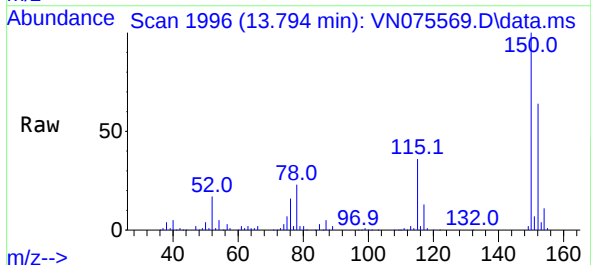
Instrument :
MSVOA_N
ClientSampleId :
PB149407ZHE#02

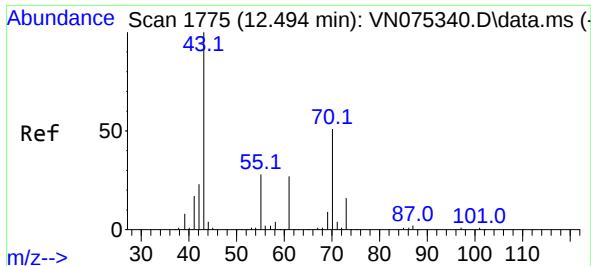
Tgt Ion:117 Resp: 252404
Ion Ratio Lower Upper
117 100
82 52.6 43.1 64.7
119 32.7 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075569.D
Acq: 05 Dec 2022 19:19

Tgt Ion:152 Resp: 111598
Ion Ratio Lower Upper
152 100
115 57.4 30.2 90.6
150 155.7 0.0 348.4

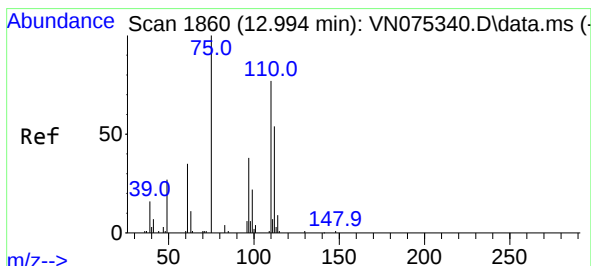
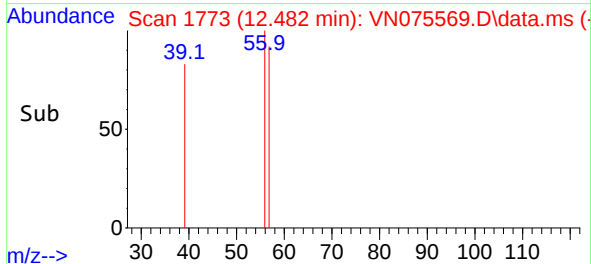
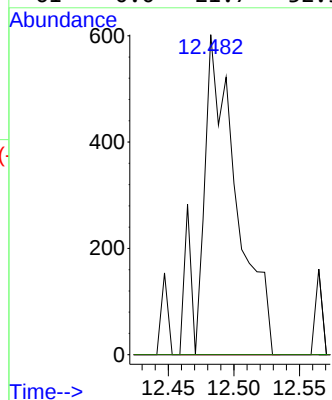
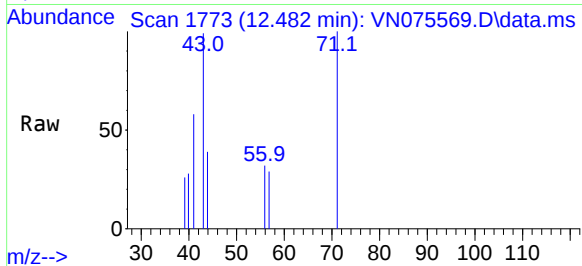




#74
N-amy1 acetate
Concen: 0.436 ug/l
RT: 12.482 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN075569.D
Acq: 05 Dec 2022 19:19

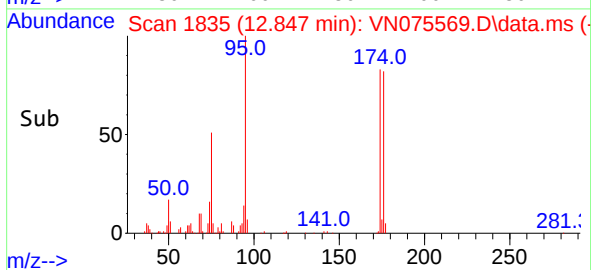
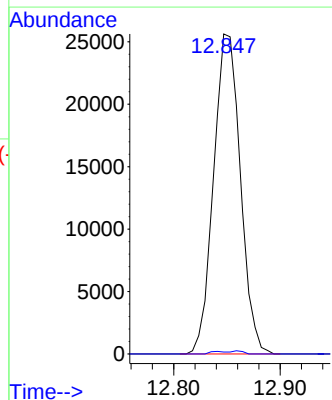
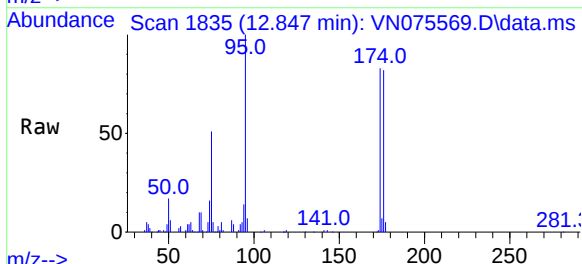
Instrument :
MSVOA_N
ClientSampleId :
PB149407ZHE#02

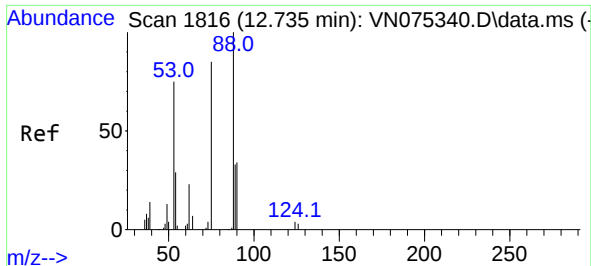
Tgt Ion: 43	Resp:	1093	
Ion	Ratio	Lower	Upper
43	100		
70	0.0	39.8	59.8#
55	0.0	19.9	29.9#
61	0.0	21.7	32.5#



#76
1,2,3-Trichloropropane
Concen: 21.211 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075569.D
Acq: 05 Dec 2022 19:19

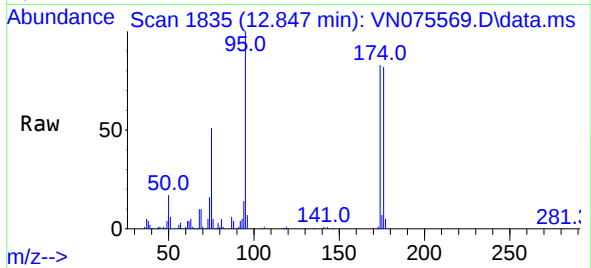
Tgt Ion: 75	Resp:	44756	
Ion Ratio	Lower	Upper	
75 100			
77 0.4	75.6	226.8#	





#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.759 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN075569.D
 Acq: 05 Dec 2022 19:19

Instrument :
 MSVOA_N
 ClientSampleId :
 PB149407ZHE#02



Tgt Ion: 75 Resp: 44756
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.0 37.7 56.5#

