

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120522\
 Data File : VN075565.D
 Acq On : 05 Dec 2022 17:43
 Operator : JC\MD
 Sample : N5793-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 B-40-SB01

Quant Time: Dec 06 03:26:04 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)

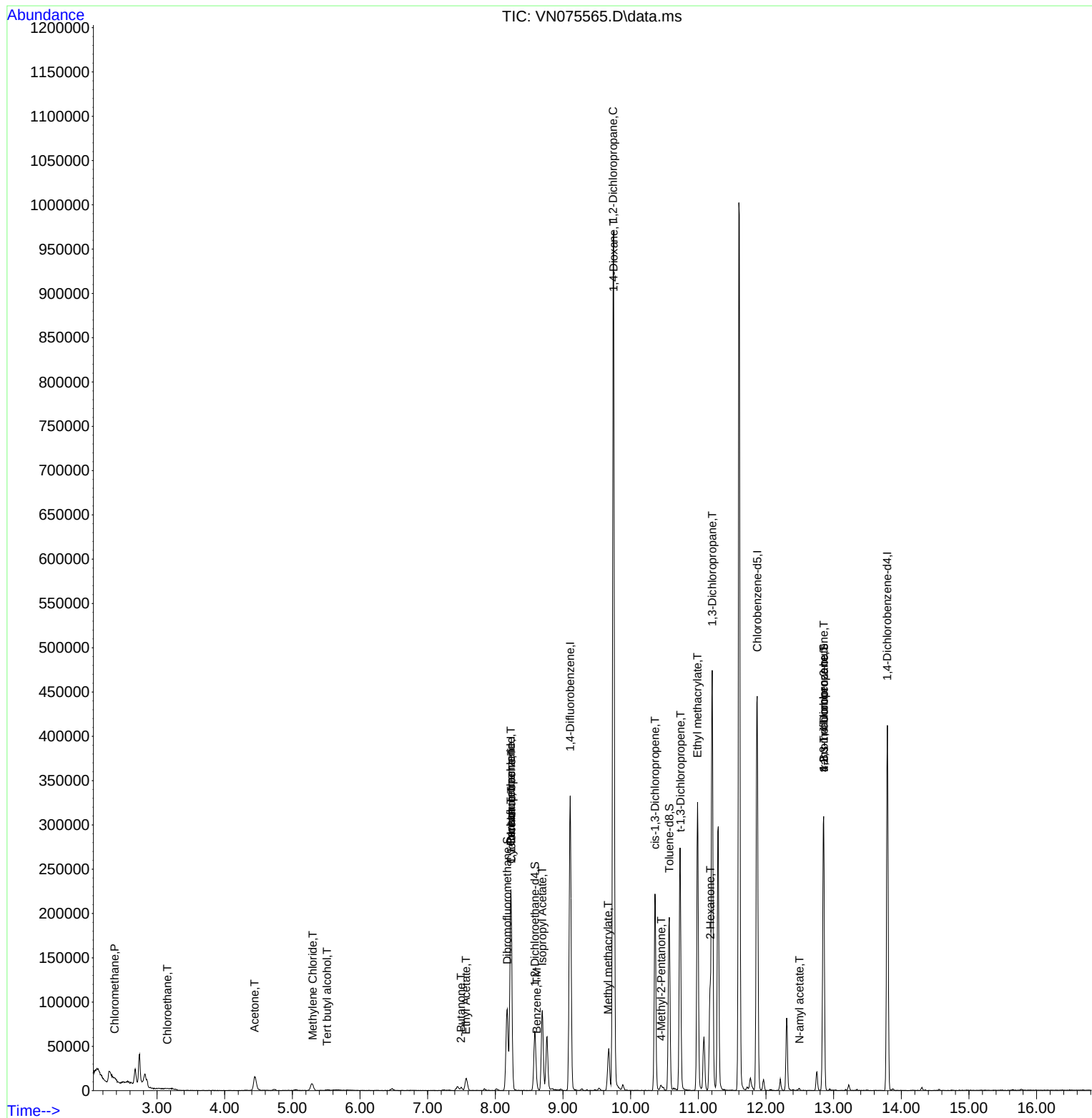
Internal Standards						
1) Pentafluorobenzene	8.230	168	172252	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	305831	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	279861	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	116650	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	53117	57.447	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 114.900%			
35) Dibromofluoromethane	8.177	113	66151	55.061	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.120%			
50) Toluene-d8	10.571	98	140654	51.980	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.960%			
62) 4-Bromofluorobenzene	12.853	95	103297	51.720	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.440%			
Target Compounds						Qvalue
3) Chloromethane	2.371	50	405	0.247	ug/l #	42
6) Chloroethane	3.153	64	783	0.500	ug/l #	45
11) Tert butyl alcohol	5.512	59	458	1.180	ug/l #	72
16) Acetone	4.442	43	30054	34.847	ug/l #	88
18) Methyl Acetate	5.047	43	1919	Below Cal	#	68
20) Methylene Chloride	5.300	84	7186	2.904	ug/l #	67
25) 2-Butanone	7.494	43	4839	4.019	ug/l	92
31) Cyclohexane	8.235	56	3189	1.086	ug/l #	4
36) 1,1-Dichloropropene	8.235	75	12297	4.694	ug/l #	51
37) Ethyl Acetate	7.565	43	20531	8.703	ug/l	99
38) Carbon Tetrachloride	8.230	117	17156	5.961	ug/l #	16
40) Benzene	8.612	78	3403	0.424	ug/l #	83
43) Isopropyl Acetate	8.694	43	96639	25.521	ug/l #	91
45) 1,2-Dichloropropane	9.741	63	1515	0.793	ug/l #	42
48) Methyl methacrylate	9.665	41	2545	1.454	ug/l #	37
49) 1,4-Dioxane	9.747	88	77	1.549	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	6904	2.863	ug/l #	68
53) t-1,3-Dichloropropene	10.735	75	717	0.255	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	42219	13.829	ug/l #	65
56) Ethyl methacrylate	10.988	69	964	0.339	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5525	1.609	ug/l #	42
59) 2-Hexanone	11.176	43	85046	46.960	ug/l #	21
74) N-amyl acetate	12.494	43	1083	0.413	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	52556	23.829	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	52556	70.505	ug/l #	12

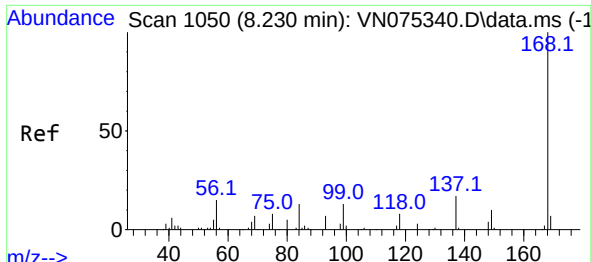
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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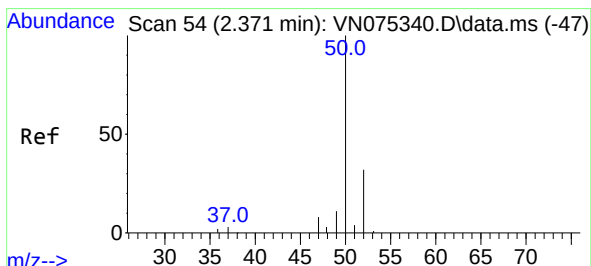
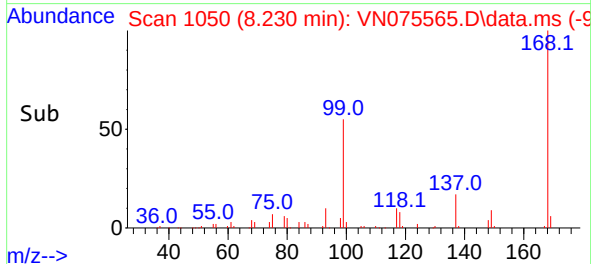
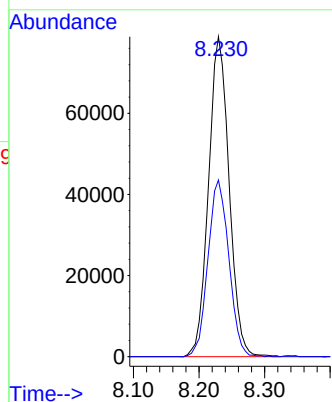
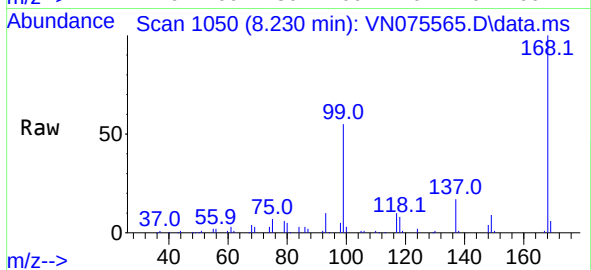




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN075565.D
Acq: 05 Dec 2022 17:43

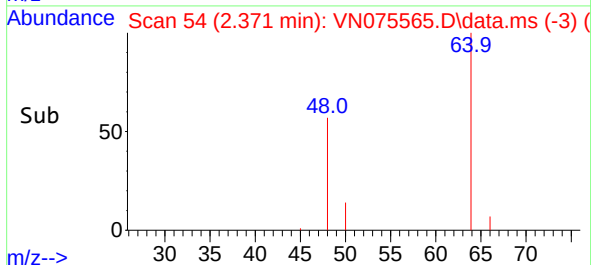
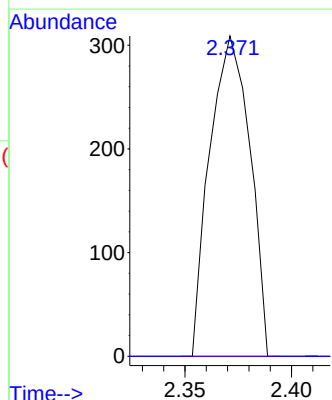
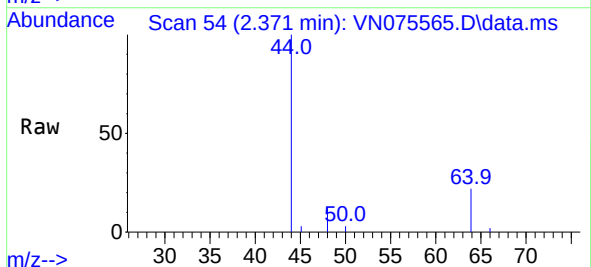
Instrument :
MSVOA_N
ClientSampleId :
B-40-SB01

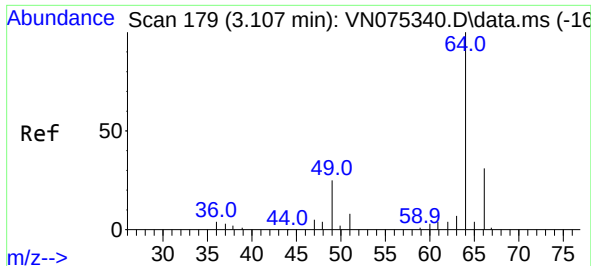
Tgt Ion:168 Resp: 172252
Ion Ratio Lower Upper
168 100
99 55.2 51.6 77.4



#3
Chloromethane
Concen: 0.247 ug/l
RT: 2.371 min Scan# 54
Delta R.T. 0.000 min
Lab File: VN075565.D
Acq: 05 Dec 2022 17:43

Tgt Ion: 50 Resp: 405
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.6#

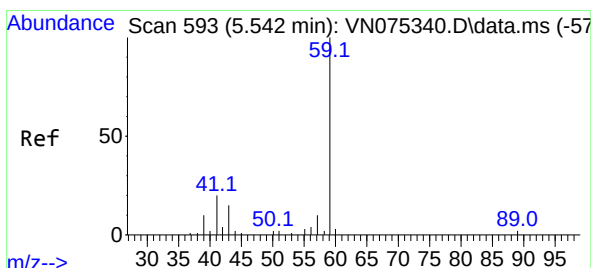
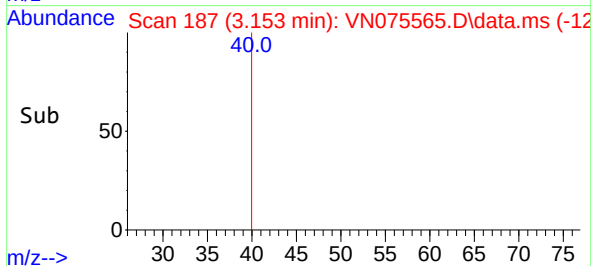
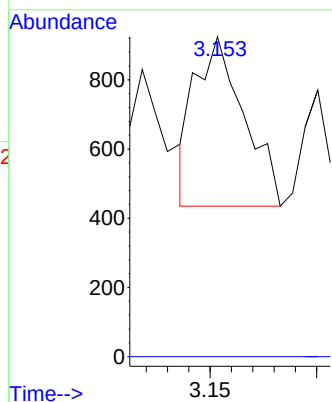
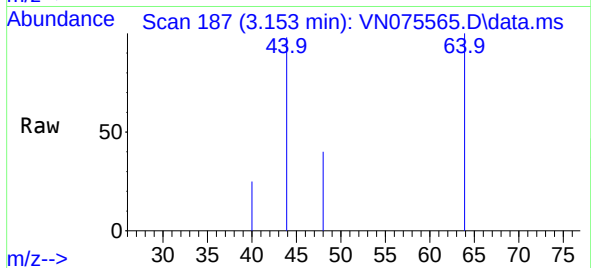




#6
Chloroethane
Concen: 0.500 ug/l
RT: 3.153 min Scan# 11
Delta R.T. 0.046 min
Lab File: VN075565.D
Acq: 05 Dec 2022 17:43

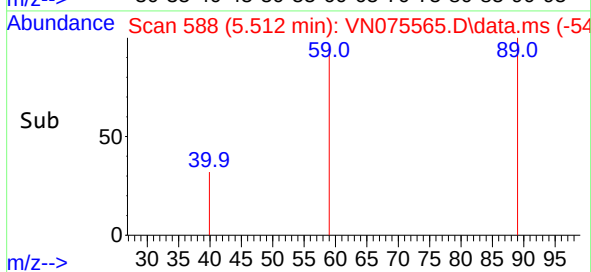
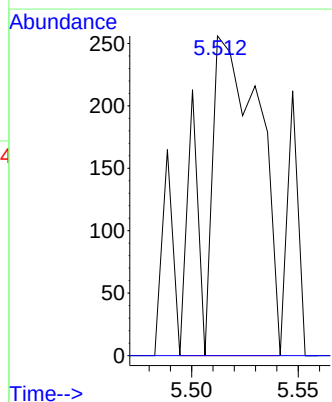
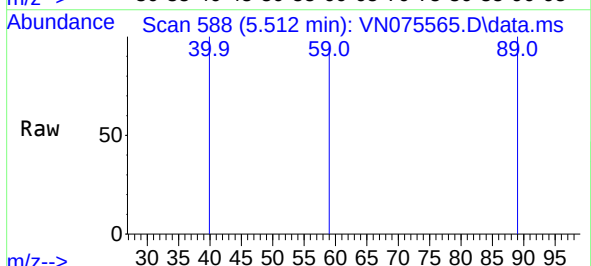
Instrument :
MSVOA_N
ClientSampleId :
B-40-SB01

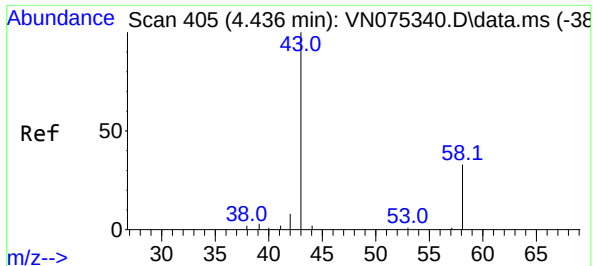
Tgt Ion: 64 Resp: 783
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#



#11
Tert butyl alcohol
Concen: 1.180 ug/l
RT: 5.512 min Scan# 588
Delta R.T. -0.030 min
Lab File: VN075565.D
Acq: 05 Dec 2022 17:43

Tgt Ion: 59 Resp: 458
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

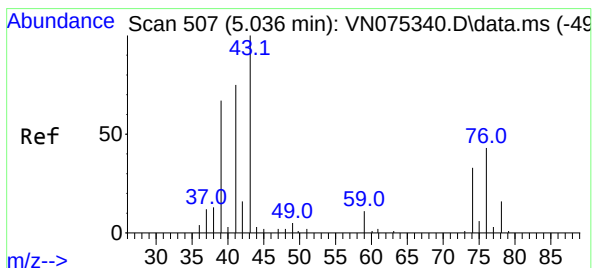
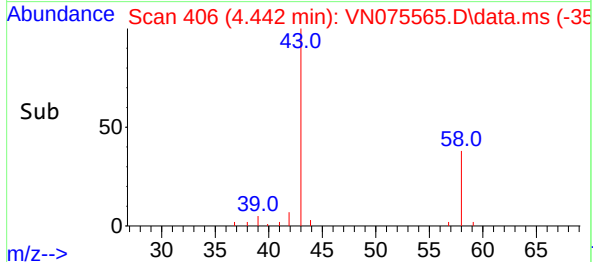
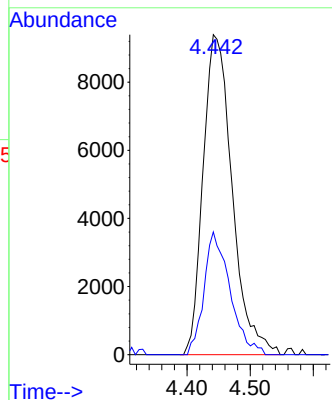
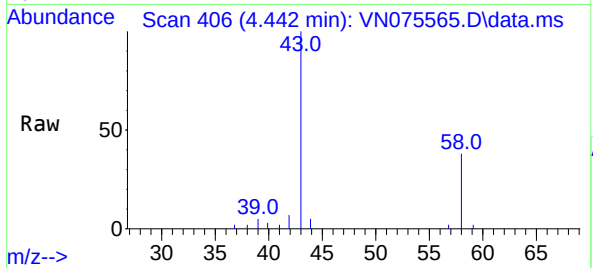




#16
Acetone
Concen: 34.847 ug/l
RT: 4.442 min Scan# 405
Delta R.T. 0.006 min
Lab File: VN075565.D
Acq: 05 Dec 2022 17:43

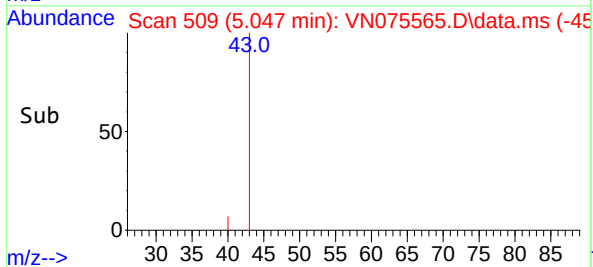
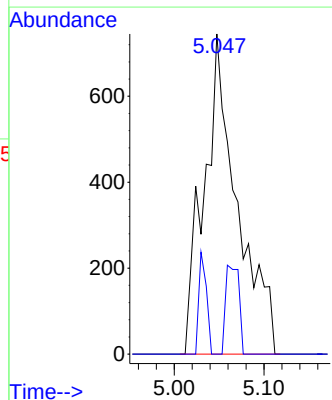
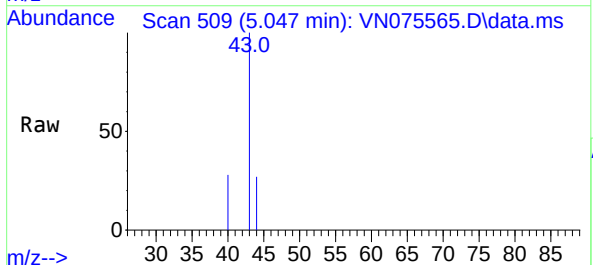
Instrument :
MSVOA_N
ClientSampleId :
B-40-SB01

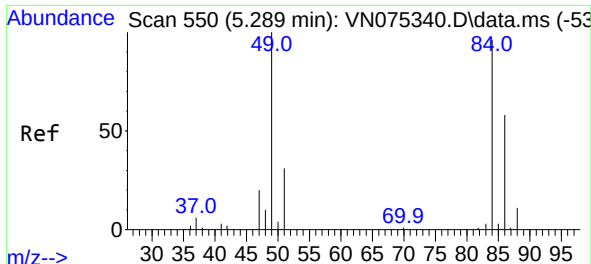
Tgt Ion: 43 Resp: 30054
Ion Ratio Lower Upper
43 100
58 38.3 25.5 38.3#



#18
Methyl Acetate
Concen: Below Cal
RT: 5.047 min Scan# 509
Delta R.T. 0.011 min
Lab File: VN075565.D
Acq: 05 Dec 2022 17:43

Tgt Ion: 43 Resp: 1919
Ion Ratio Lower Upper
43 100
74 11.0 22.0 33.0#

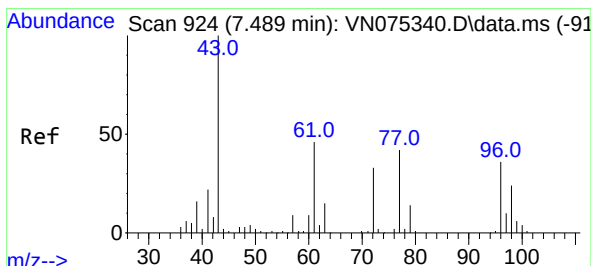
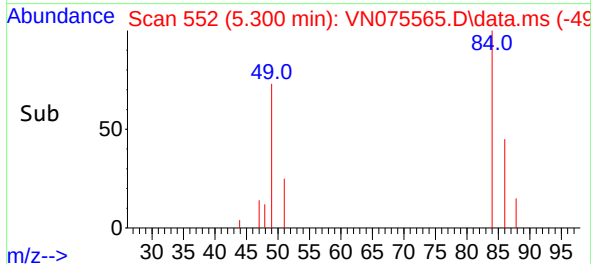
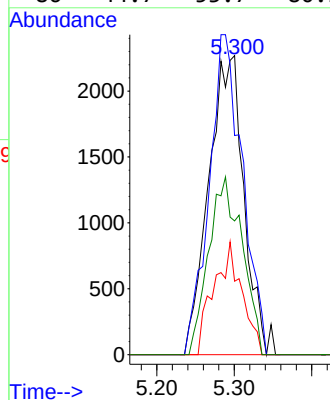
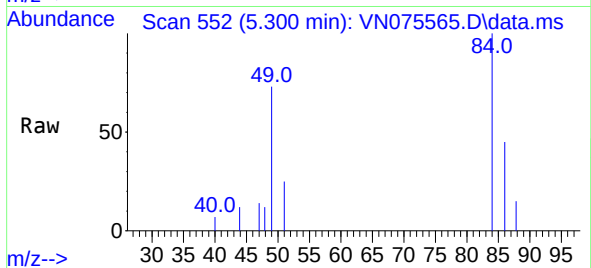




#20
Methylene Chloride
Concen: 2.904 ug/l
RT: 5.300 min Scan# 51
Delta R.T. 0.011 min
Lab File: VN075565.D
Acq: 05 Dec 2022 17:43

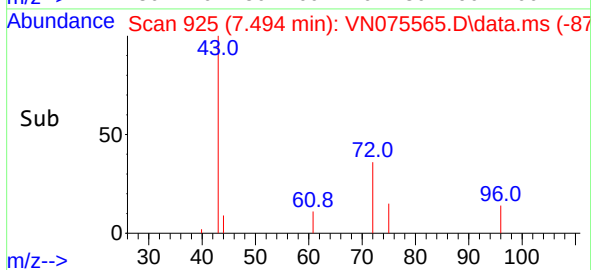
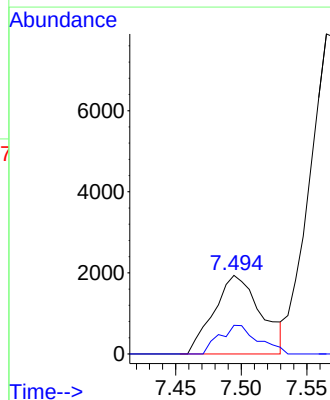
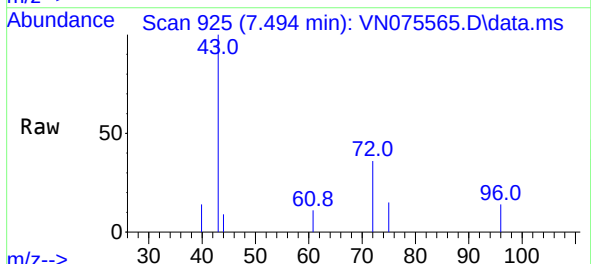
Instrument :
MSVOA_N
ClientSampleId :
B-40-SB01

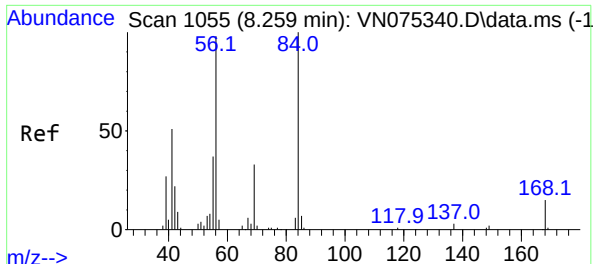
Tgt Ion: 84	Resp: 7186
Ion Ratio	Lower Upper
84 100	
49 73.3	94.9 142.3#
51 24.5	26.8 40.2#
86 44.7	53.7 80.5#



#25
2-Butanone
Concen: 4.019 ug/l
RT: 7.494 min Scan# 925
Delta R.T. 0.005 min
Lab File: VN075565.D
Acq: 05 Dec 2022 17:43

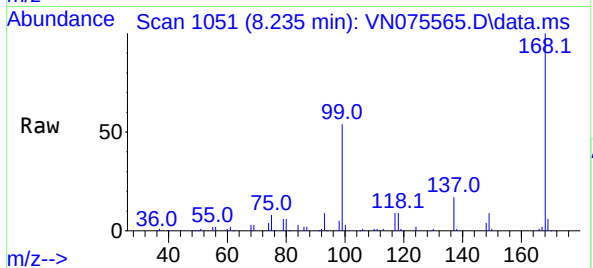
Tgt Ion: 43	Resp: 4839		
Ion Ratio	Lower	Upper	
43 100			
72 36.4	25.5	38.3	



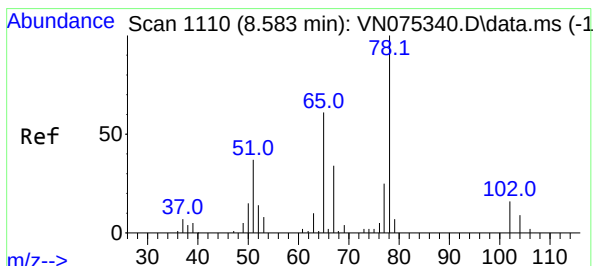
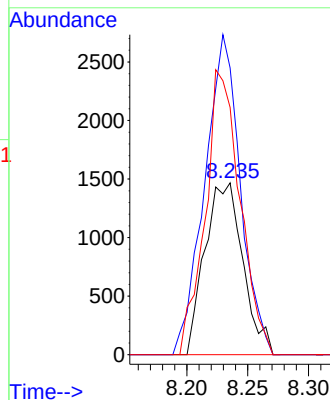
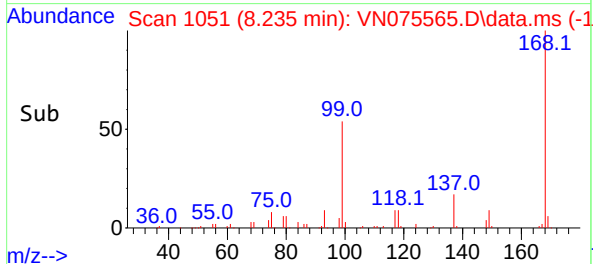


#31
Cyclohexane
Concen: 1.086 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.024 min
Lab File: VN075565.D
Acq: 05 Dec 2022 17:43

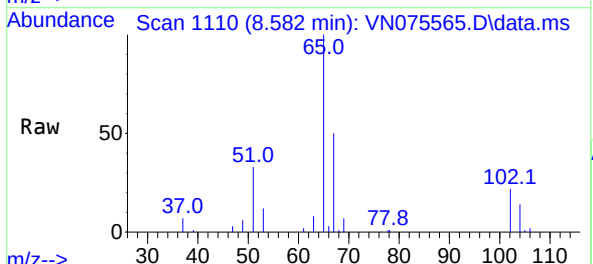
Instrument :
MSVOA_N
ClientSampleId :
B-40-SB01



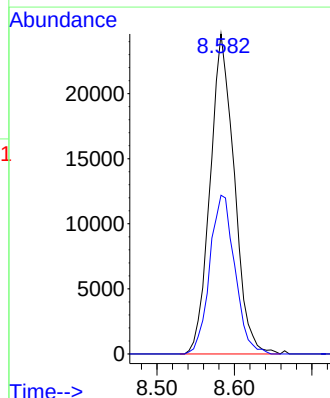
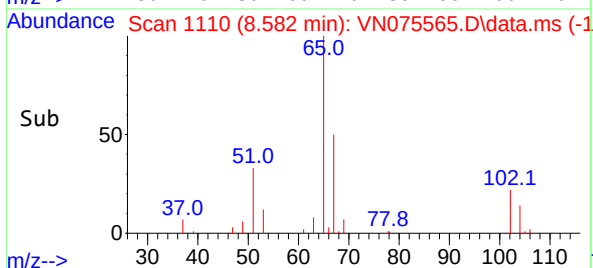
Tgt Ion: 56 Resp: 3189
Ion Ratio Lower Upper
56 100
69 166.9 25.2 37.8#
84 143.9 77.8 116.8#

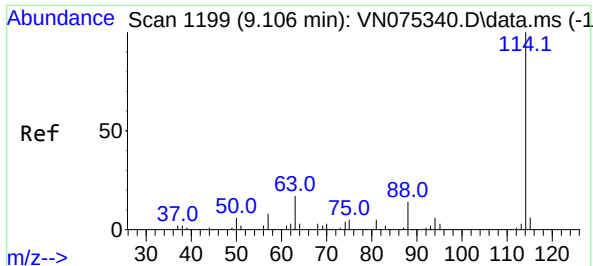


#33
1,2-Dichloroethane-d4
Concen: 57.447 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. -0.001 min
Lab File: VN075565.D
Acq: 05 Dec 2022 17:43



Tgt Ion: 65 Resp: 53117
Ion Ratio Lower Upper
65 100
67 51.6 0.0 102.0

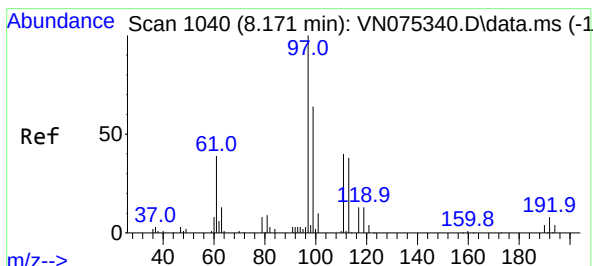
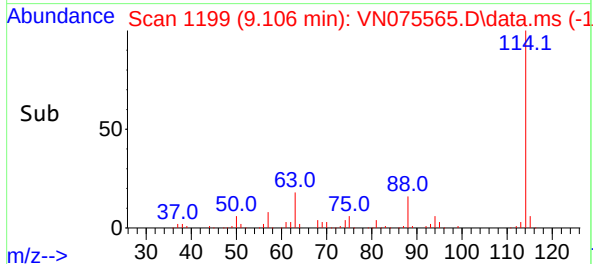
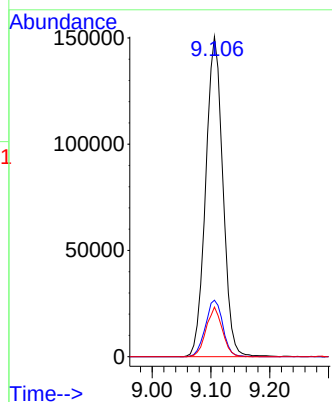
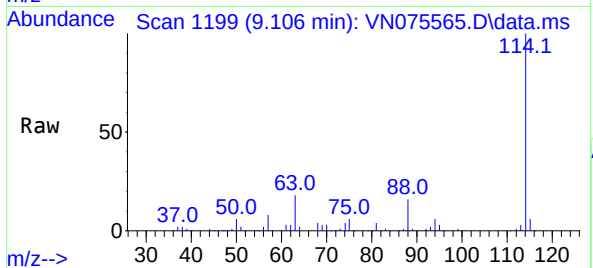




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN075565.D
Acq: 05 Dec 2022 17:43

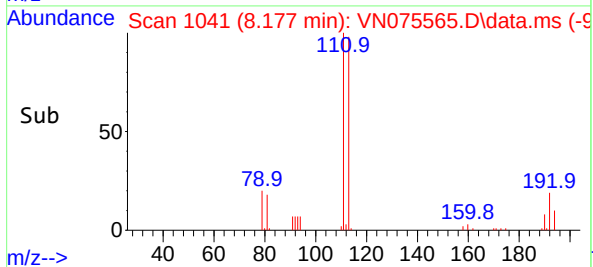
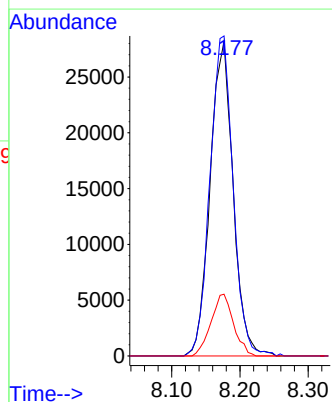
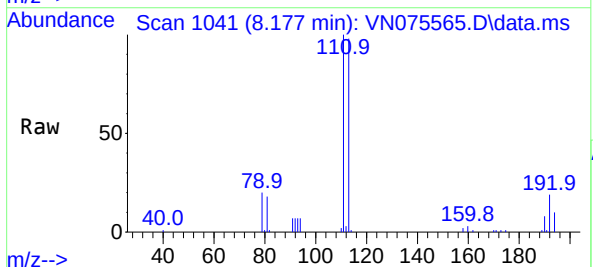
Instrument :
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B-40-SB01

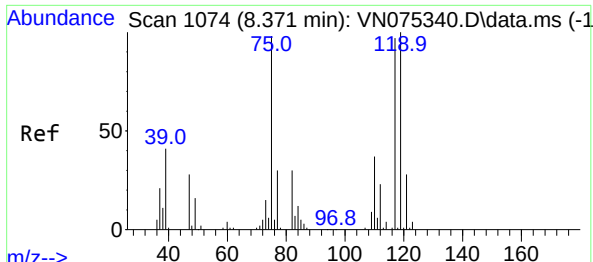
Tgt Ion:114 Resp: 305831
Ion Ratio Lower Upper
114 100
63 17.6 0.0 39.6
88 15.5 0.0 29.0



#35
Dibromofluoromethane
Concen: 55.061 ug/l
RT: 8.177 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VN075565.D
Acq: 05 Dec 2022 17:43

Tgt Ion:113 Resp: 66151
Ion Ratio Lower Upper
113 100
111 102.3 80.5 120.7
192 19.3 13.2 19.8

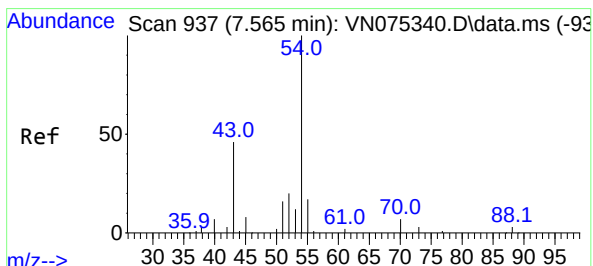
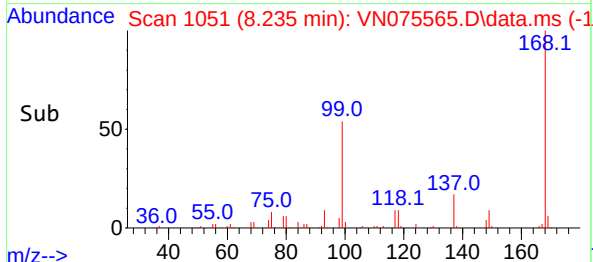
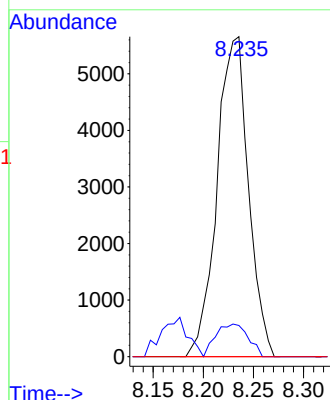
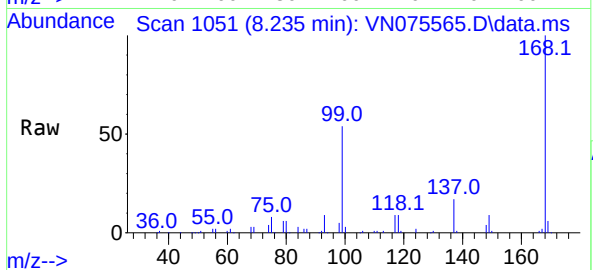




#36
1,1-Dichloropropene
Concen: 4.694 ug/l
RT: 8.235 min Scan# 1074
Delta R.T. -0.136 min
Lab File: VN075565.D
Acq: 05 Dec 2022 17:43

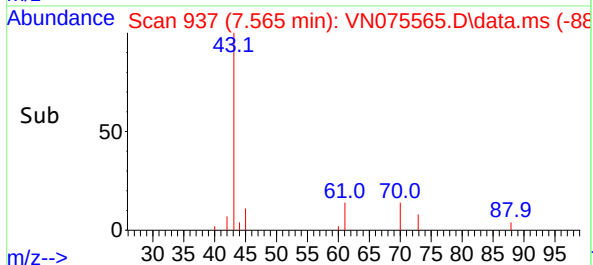
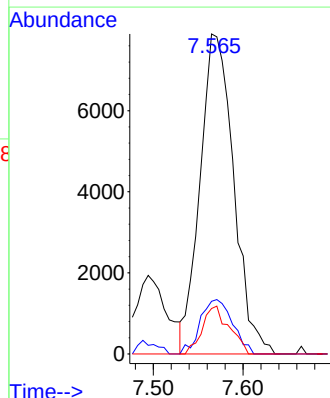
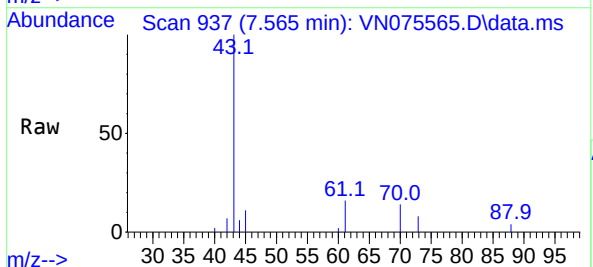
Instrument :
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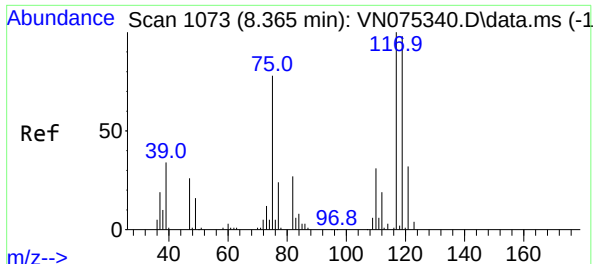
Tgt Ion: 75 Resp: 12297
Ion Ratio Lower Upper
75 100
110 10.5 17.8 53.3#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 8.703 ug/l
RT: 7.565 min Scan# 937
Delta R.T. -0.000 min
Lab File: VN075565.D
Acq: 05 Dec 2022 17:43

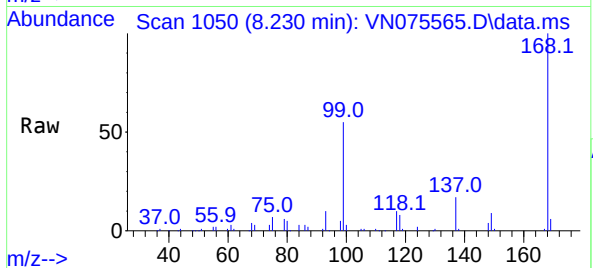
Tgt Ion: 43 Resp: 20531
Ion Ratio Lower Upper
43 100
61 16.3 12.2 18.4
70 11.9 9.4 14.2



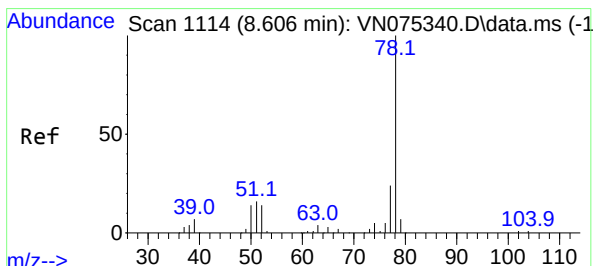
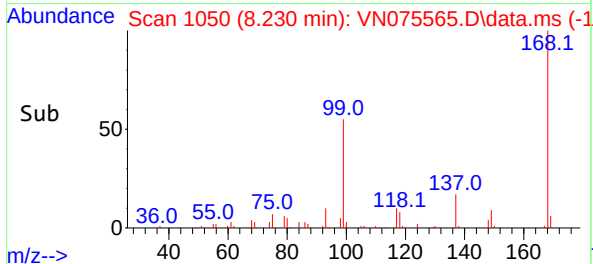
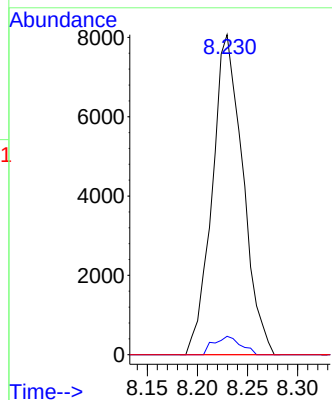


#38
Carbon Tetrachloride
Concen: 5.961 ug/l
RT: 8.230 min Scan# 1105
Delta R.T. -0.135 min
Lab File: VN075565.D
Acq: 05 Dec 2022 17:43

Instrument :
MSVOA_N
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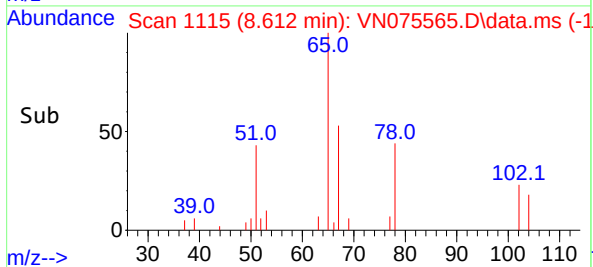
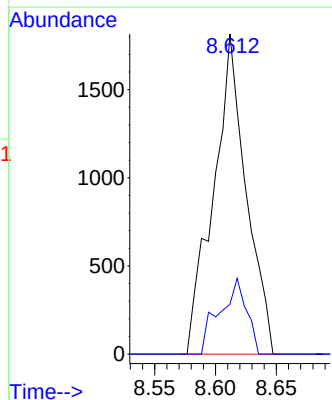
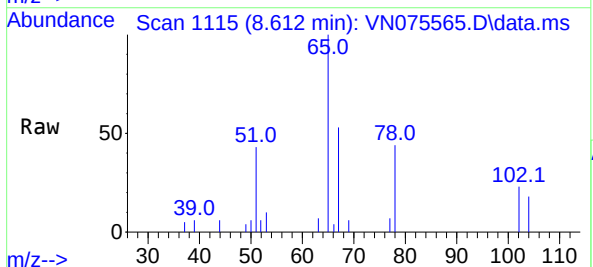


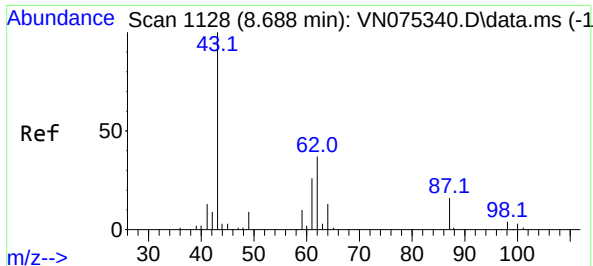
Tgt Ion:117 Resp: 17156
Ion Ratio Lower Upper
117 100
119 5.7 76.7 115.1#
121 0.0 23.9 35.9#



#40
Benzene
Concen: 0.424 ug/l
RT: 8.612 min Scan# 1115
Delta R.T. 0.006 min
Lab File: VN075565.D
Acq: 05 Dec 2022 17:43

Tgt Ion: 78 Resp: 3403
Ion Ratio Lower Upper
78 100
77 15.6 19.4 29.0#

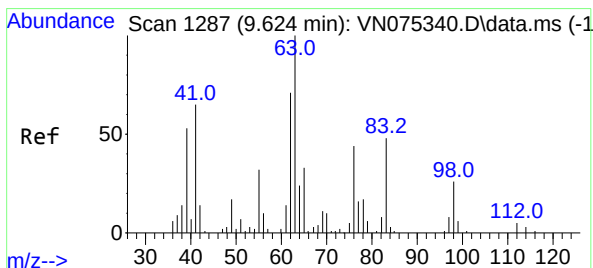
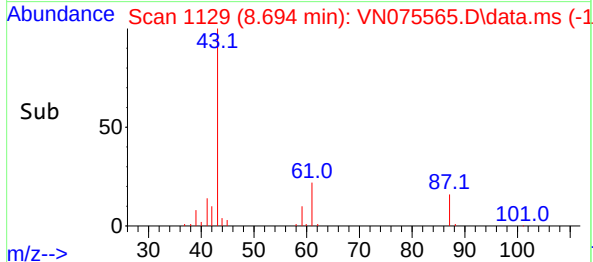
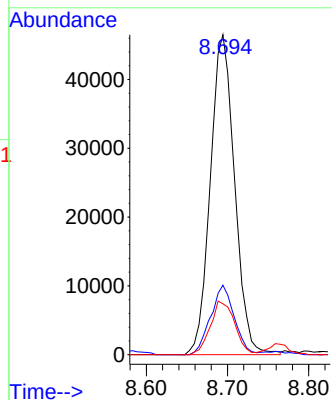
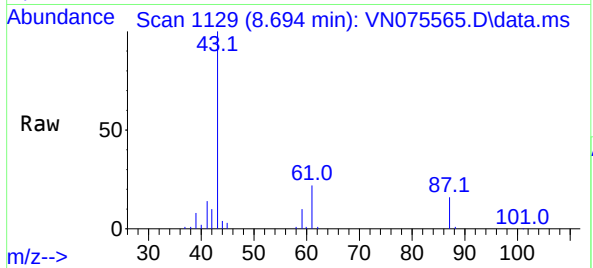




#43
Isopropyl Acetate
Concen: 25.521 ug/l
RT: 8.694 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN075565.D
Acq: 05 Dec 2022 17:43

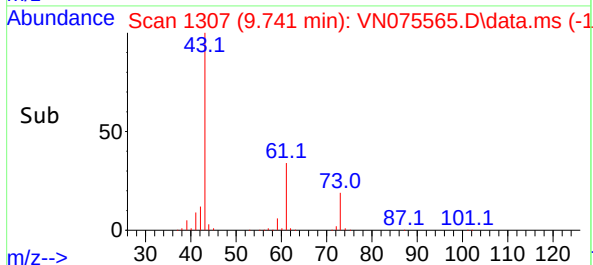
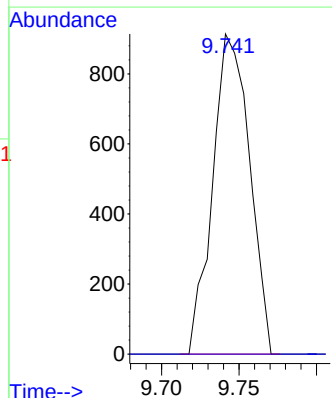
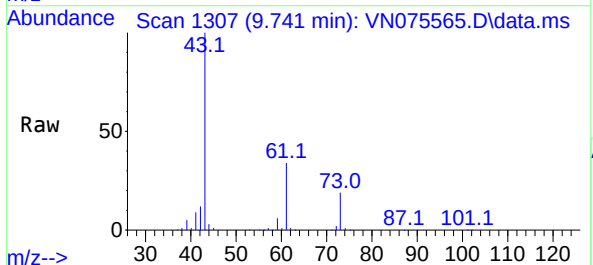
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ClientSampleId :
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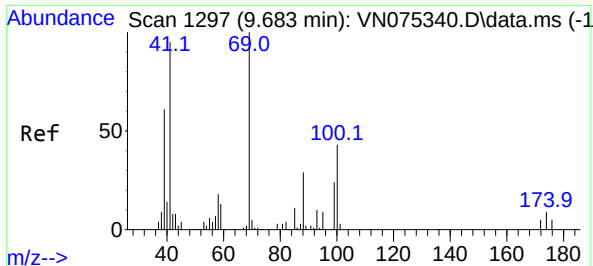
Tgt Ion: 43 Resp: 96639
Ion Ratio Lower Upper
43 100
61 21.2 22.4 33.6#
87 16.9 12.5 18.7



#45
1,2-Dichloropropane
Concen: 0.793 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.117 min
Lab File: VN075565.D
Acq: 05 Dec 2022 17:43

Tgt Ion: 63 Resp: 1515
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#

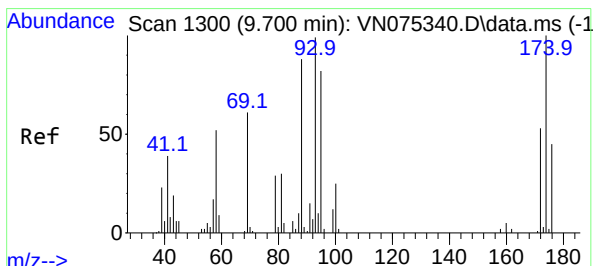
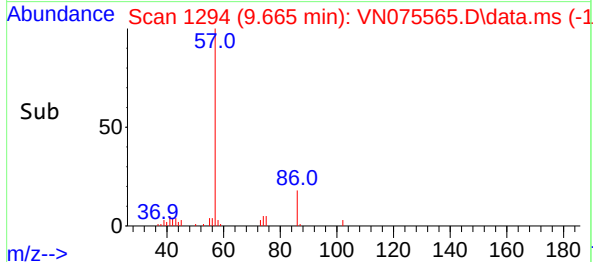
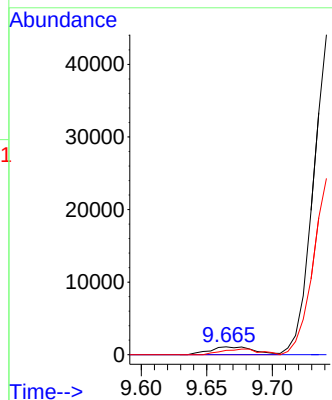
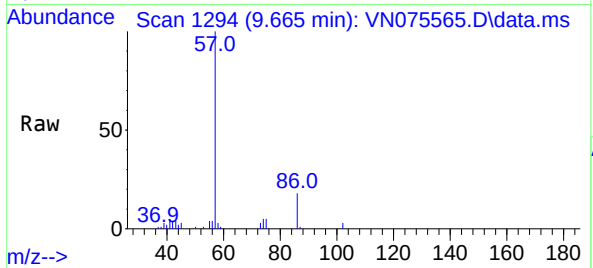




#48
Methyl methacrylate
Concen: 1.454 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN075565.D
Acq: 05 Dec 2022 17:43

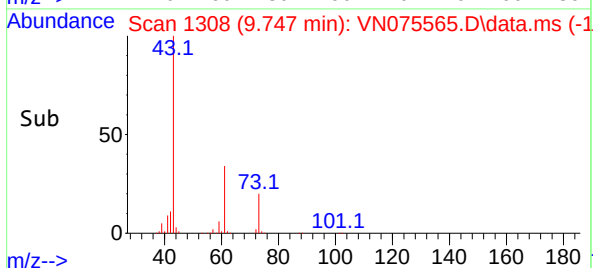
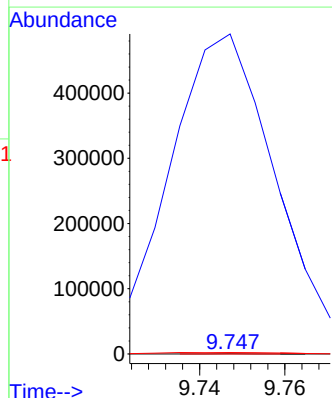
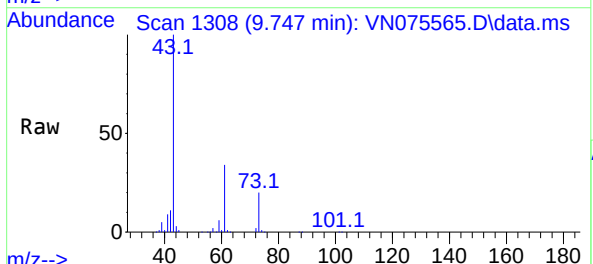
Instrument :
MSVOA_N
ClientSampleId :
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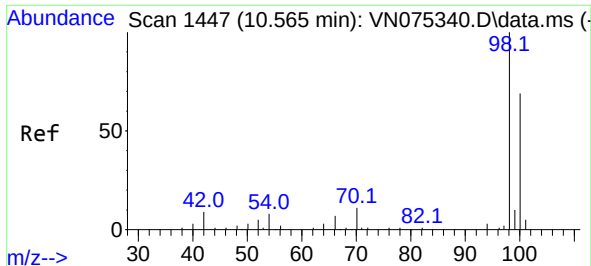
Tgt Ion: 41 Resp: 2545
Ion Ratio Lower Upper
41 100
69 0.0 80.2 120.2#
39 61.1 56.2 84.2



#49
1,4-Dioxane
Concen: 1.549 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.047 min
Lab File: VN075565.D
Acq: 05 Dec 2022 17:43

Tgt Ion: 88 Resp: 77
Ion Ratio Lower Upper
88 100
43 1141826.0 17.5 26.3#
58 5785.7 49.8 74.8#

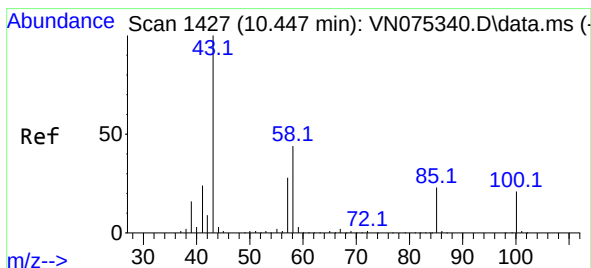
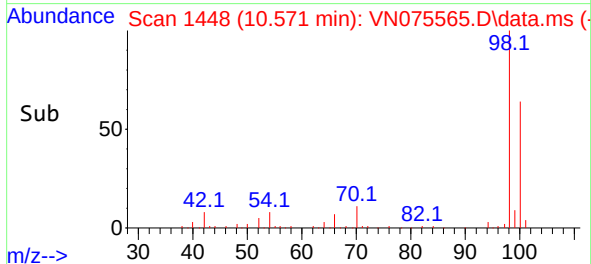
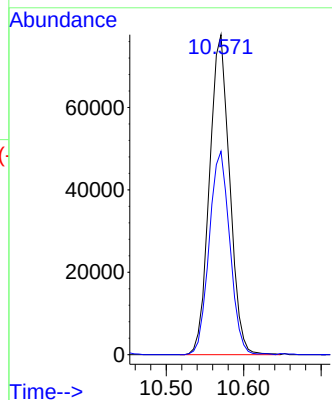
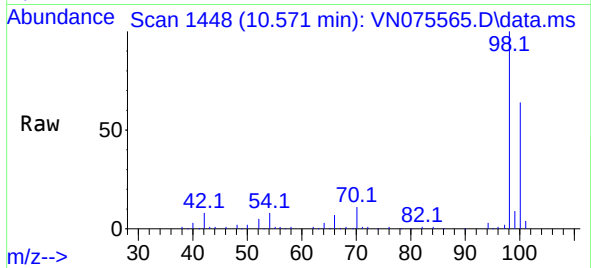




#50
Toluene-d8
Concen: 51.980 ug/l
RT: 10.571 min Scan# 1447
Delta R.T. 0.006 min
Lab File: VN075565.D
Acq: 05 Dec 2022 17:43

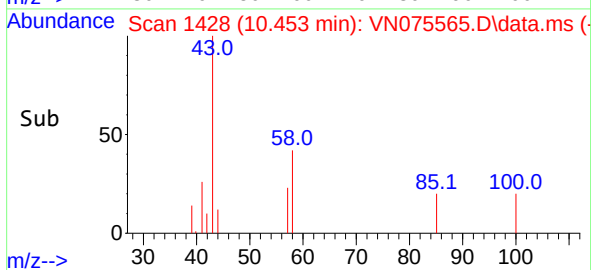
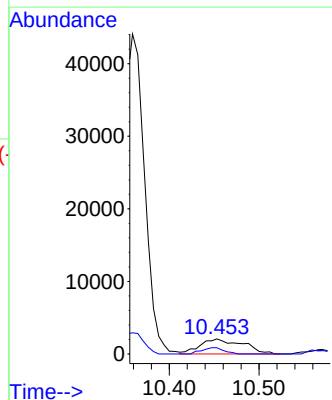
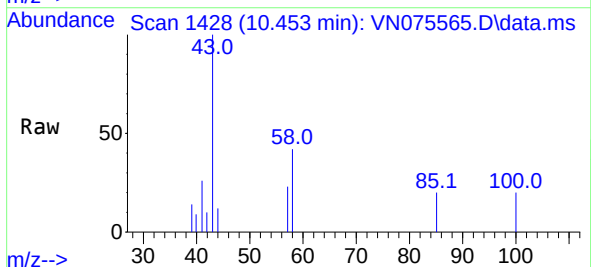
Instrument :
MSVOA_N
ClientSampleId :
B-40-SB01

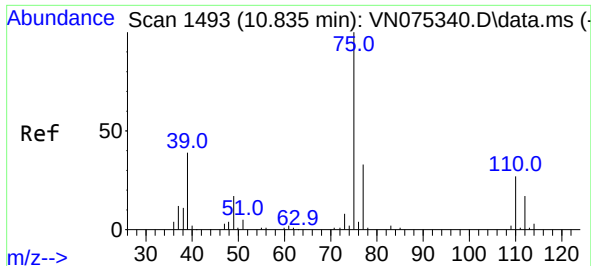
Tgt Ion: 98 Resp: 140654
Ion Ratio Lower Upper
98 100
100 64.8 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 2.863 ug/l
RT: 10.453 min Scan# 1428
Delta R.T. 0.006 min
Lab File: VN075565.D
Acq: 05 Dec 2022 17:43

Tgt Ion: 43 Resp: 6904
Ion Ratio Lower Upper
43 100
58 21.6 33.6 50.4#

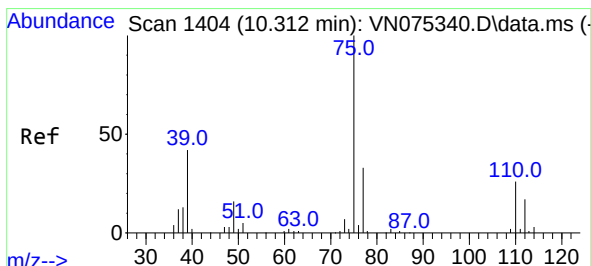
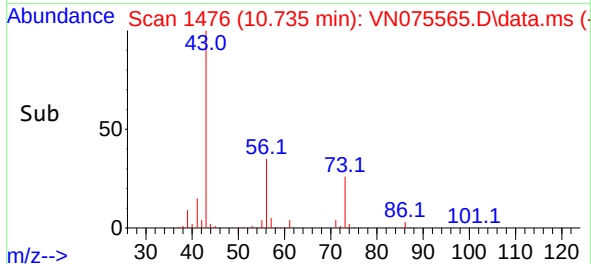
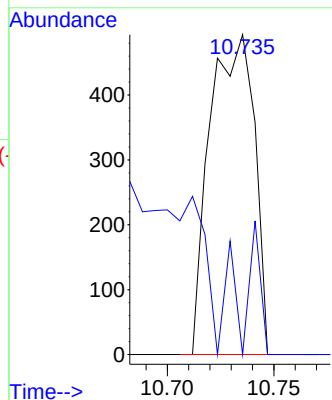
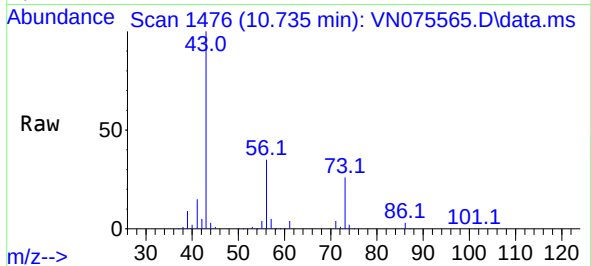




#53
t-1,3-Dichloropropene
Concen: 0.255 ug/l
RT: 10.735 min Scan# 1412
Delta R.T. -0.100 min
Lab File: VN075565.D
Acq: 05 Dec 2022 17:43

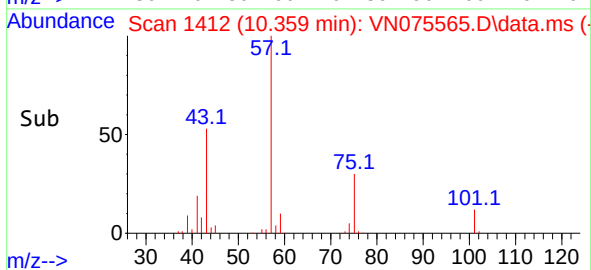
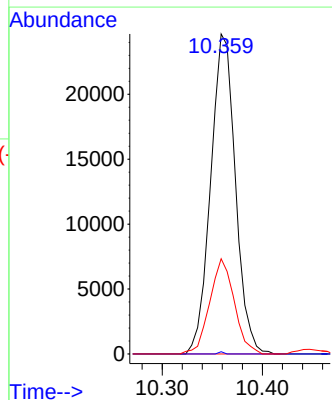
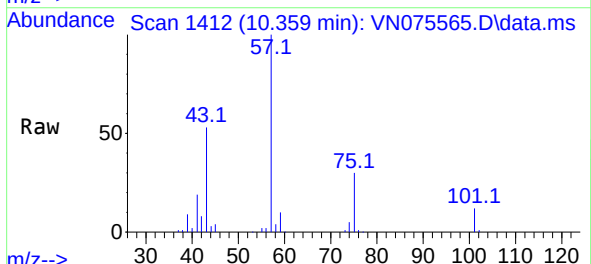
Instrument :
MSVOA_N
ClientSampleId :
B-40-SB01

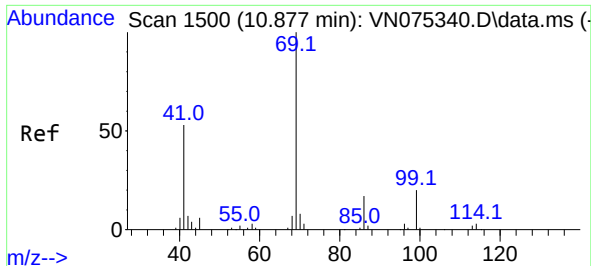
Tgt Ion: 75 Resp: 717
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#



#54
cis-1,3-Dichloropropene
Concen: 13.829 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. 0.047 min
Lab File: VN075565.D
Acq: 05 Dec 2022 17:43

Tgt Ion: 75 Resp: 42219
Ion Ratio Lower Upper
75 100
77 0.7 23.7 35.5#
39 29.7 35.8 53.6#

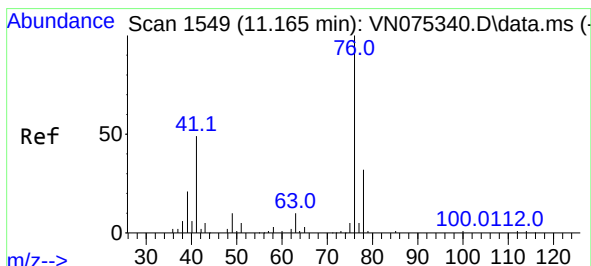
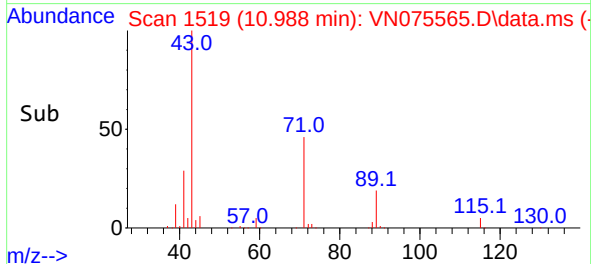
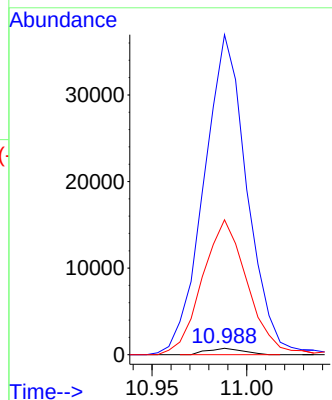
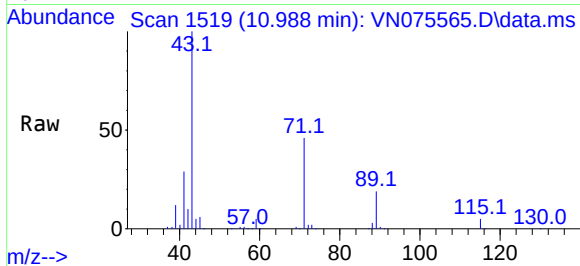




#56
Ethyl methacrylate
Concen: 0.339 ug/l
RT: 10.988 min Scan# 11
Delta R.T. 0.111 min
Lab File: VN075565.D
Acq: 05 Dec 2022 17:43

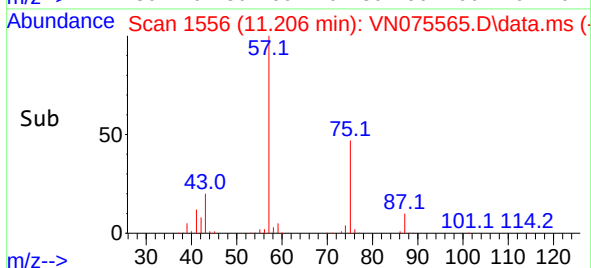
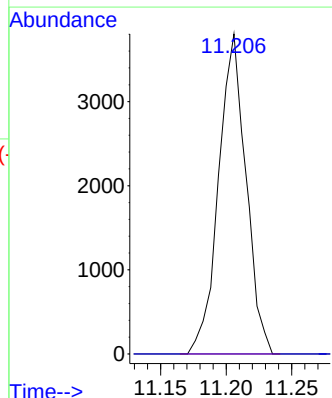
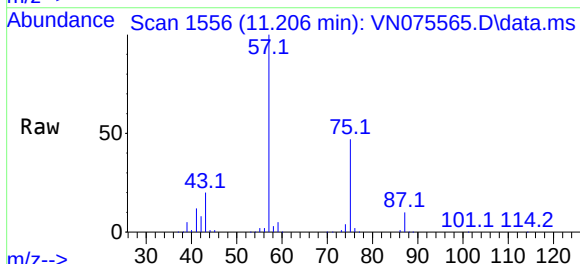
Instrument :
MSVOA_N
ClientSampleId :
B-40-SB01

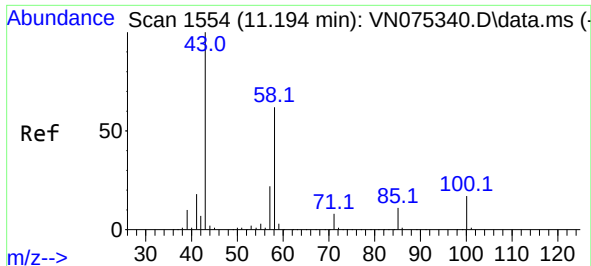
Tgt Ion: 69 Resp: 964
Ion Ratio Lower Upper
69 100
41 6125.5 45.6 68.4#
39 2714.6 28.5 42.7#



#57
1,3-Dichloropropane
Concen: 1.609 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN075565.D
Acq: 05 Dec 2022 17:43

Tgt Ion: 76 Resp: 5525
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

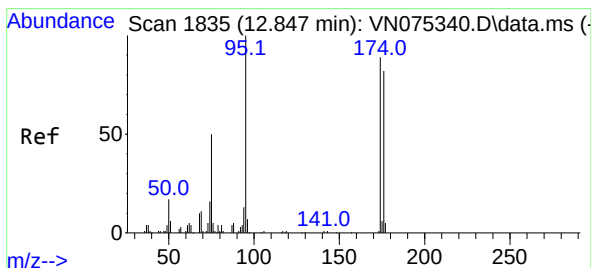
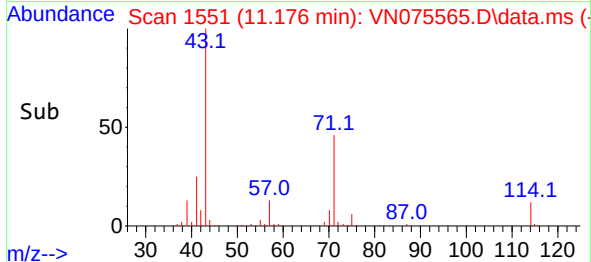
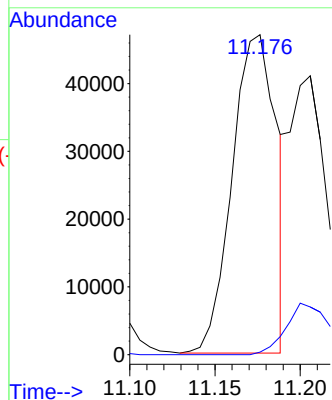
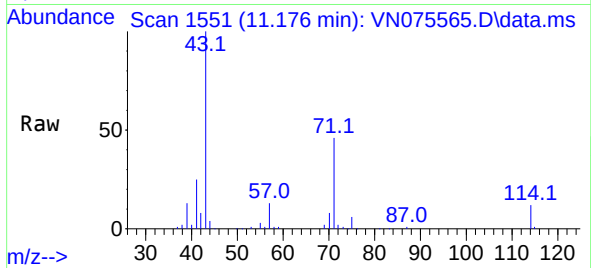




#59
2-Hexanone
Concen: 46.960 ug/l
RT: 11.176 min Scan# 11551
Delta R.T. -0.018 min
Lab File: VN075565.D
Acq: 05 Dec 2022 17:43

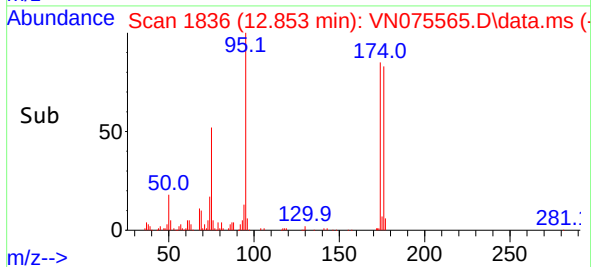
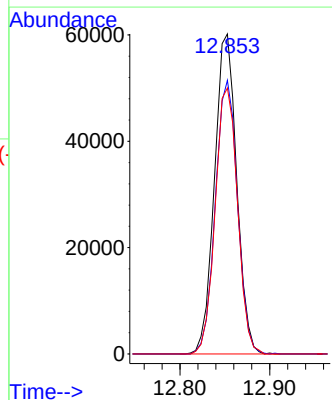
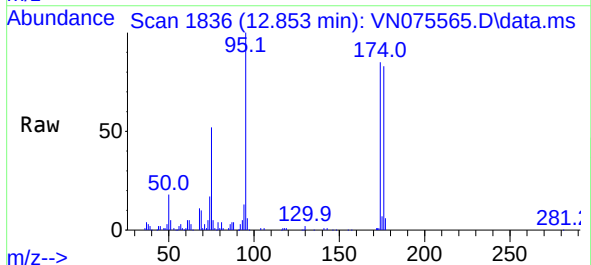
Instrument :
MSVOA_N
ClientSampleId :
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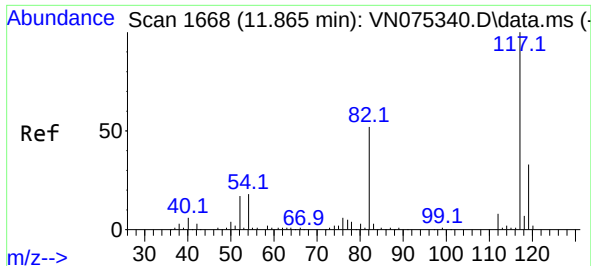
Tgt Ion: 43 Resp: 85046
Ion Ratio Lower Upper
43 100
58 0.0 29.6 88.8#



#62
4-Bromofluorobenzene
Concen: 51.720 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN075565.D
Acq: 05 Dec 2022 17:43

Tgt Ion: 95 Resp: 103297
Ion Ratio Lower Upper
95 100
174 85.2 0.0 147.4
176 83.6 0.0 142.2

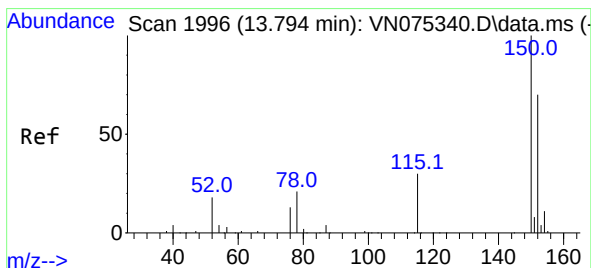
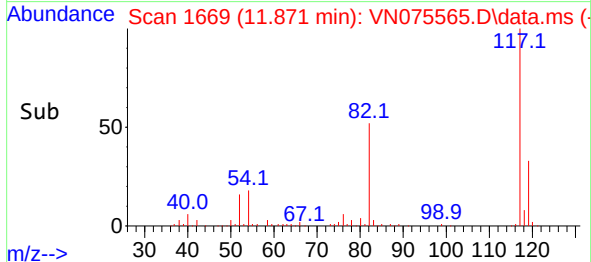
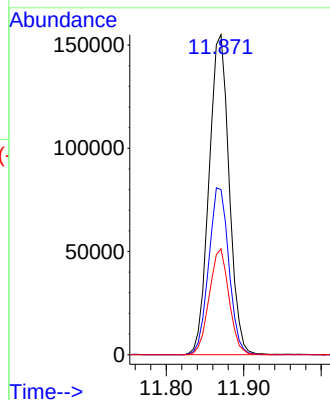
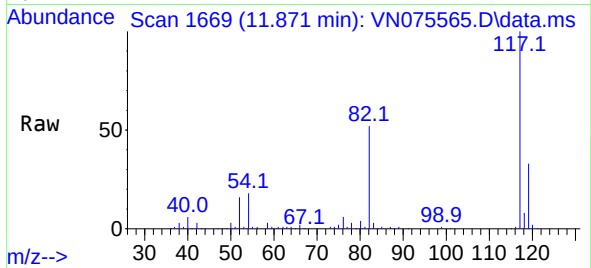




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN075565.D
Acq: 05 Dec 2022 17:43

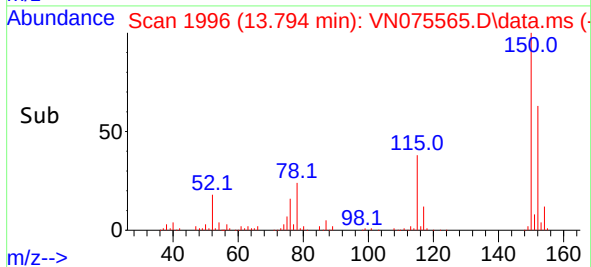
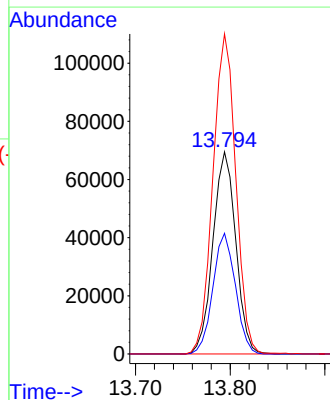
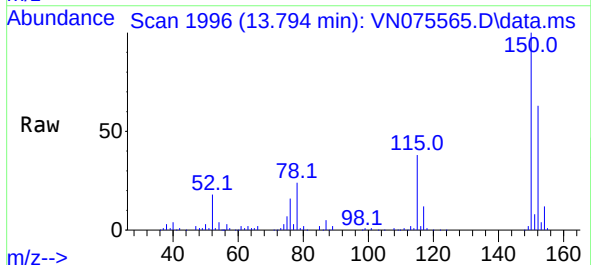
Instrument :
MSVOA_N
ClientSampleId :
B-40-SB01

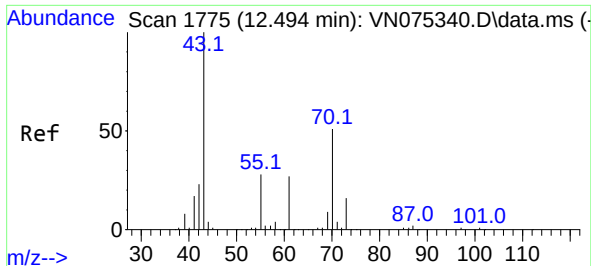
Tgt Ion:117 Resp: 279861
Ion Ratio Lower Upper
117 100
82 51.6 43.1 64.7
119 33.1 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075565.D
Acq: 05 Dec 2022 17:43

Tgt Ion:152 Resp: 116650
Ion Ratio Lower Upper
152 100
115 58.7 30.2 90.6
150 158.5 0.0 348.4

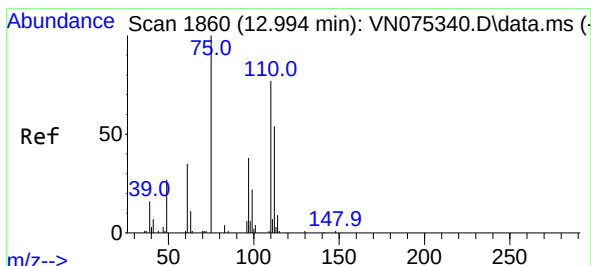
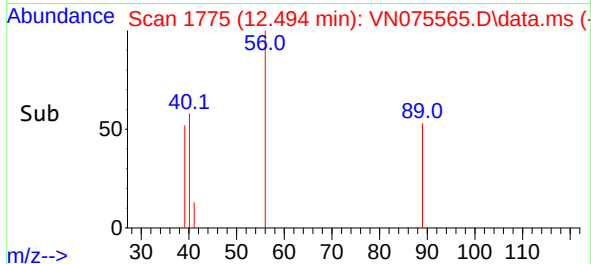
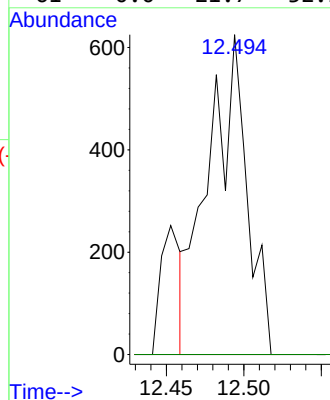
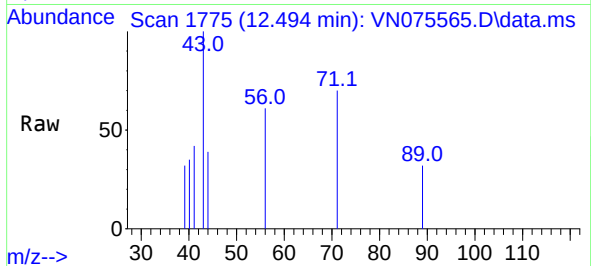




#74
N-amy1 acetate
Concen: 0.413 ug/l
RT: 12.494 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN075565.D
Acq: 05 Dec 2022 17:43

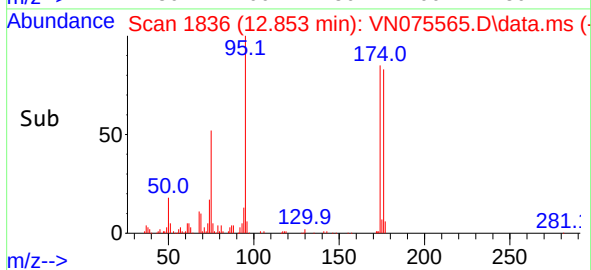
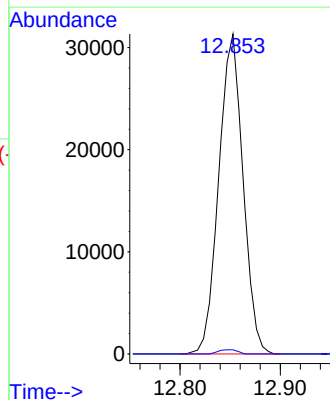
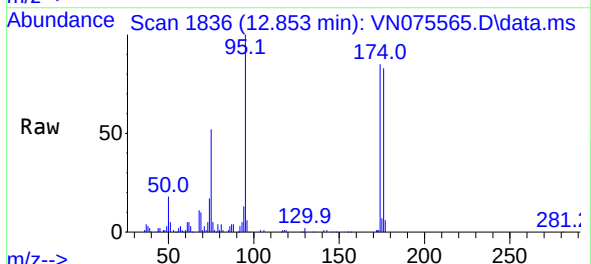
Instrument :
MSVOA_N
ClientSampleId :
B-40-SB01

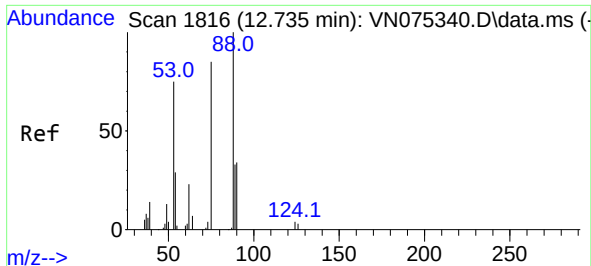
Tgt Ion: 43	Resp: 1083
Ion Ratio	Lower Upper
43 100	
70 0.0	39.8 59.8#
55 0.0	19.9 29.9#
61 0.0	21.7 32.5#



#76
1,2,3-Trichloropropane
Concen: 23.829 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075565.D
Acq: 05 Dec 2022 17:43

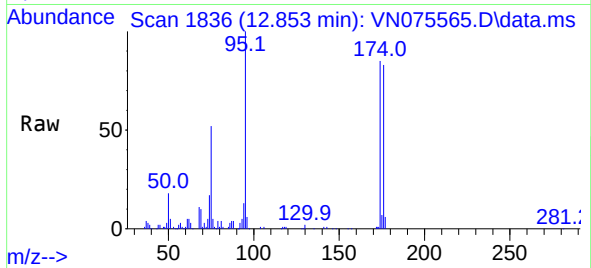
Tgt Ion: 75	Resp: 52556
Ion Ratio	Lower Upper
75 100	
77 1.0	75.6 226.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.505 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN075565.D
 Acq: 05 Dec 2022 17:43

Instrument :
 MSVOA_N
 ClientSampleId :
 B-40-SB01



Tgt Ion: 75 Resp: 52556

Ion	Ratio	Lower	Upper
75	100		
53	2.3	78.5	117.7#
89	0.0	37.7	56.5#

