

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120522\
 Data File : VN075567.D
 Acq On : 05 Dec 2022 18:31
 Operator : JC\MD
 Sample : N5844-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MH-17

Quant Time: Dec 06 03:26:22 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)

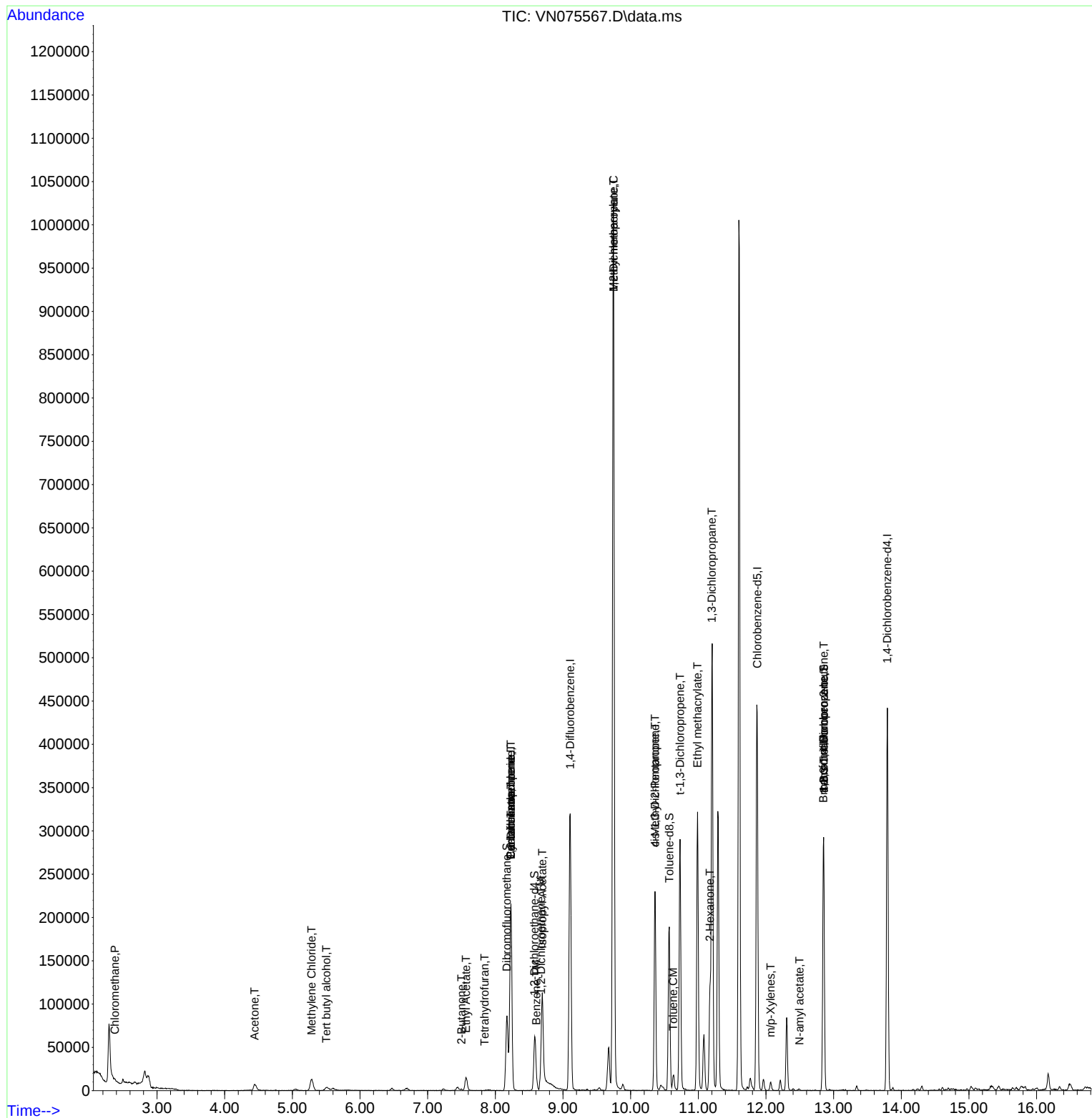
Internal Standards						
1) Pentafluorobenzene	8.230	168	168664	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	301866	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	278200	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	124859	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	49821	55.029	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.060%			
35) Dibromofluoromethane	8.171	113	62835	52.988	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.980%			
50) Toluene-d8	10.571	98	133621	50.030	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.060%			
62) 4-Bromofluorobenzene	12.853	95	100150	50.803	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.600%			
Target Compounds					Qvalue	
3) Chloromethane	2.377	50	335	0.209	ug/l #	42
11) Tert butyl alcohol	5.500	59	1680	4.420	ug/l #	72
16) Acetone	4.442	43	14821	17.550	ug/l	90
20) Methylene Chloride	5.283	84	11496	5.577	ug/l #	80
25) 2-Butanone	7.500	43	1267	1.075	ug/l	97
29) Tetrahydrofuran	7.841	42	331	0.462	ug/l #	41
31) Cyclohexane	8.230	56	3215	1.118	ug/l #	9
36) 1,1-Dichloropropene	8.230	75	12405	4.797	ug/l #	49
37) Ethyl Acetate	7.565	43	22440	9.637	ug/l	98
38) Carbon Tetrachloride	8.230	117	16526	5.817	ug/l #	15
40) Benzene	8.606	78	5865	0.741	ug/l #	86
42) 1,2-Dichloroethane	8.677	62	730	0.275	ug/l #	75
43) Isopropyl Acetate	8.694	43	150508	40.269	ug/l #	81
45) 1,2-Dichloropropane	9.747	63	1372	0.727	ug/l #	42
48) Methyl methacrylate	9.747	41	89735	51.923	ug/l #	34
51) 4-Methyl-2-Pentanone	10.359	43	80301	33.732	ug/l #	44
52) Toluene	10.630	92	9244	1.812	ug/l	95
53) t-1,3-Dichloropropene	10.729	75	750	0.270	ug/l	92
54) cis-1,3-Dichloropropene	10.359	75	44673	14.825	ug/l #	64
56) Ethyl methacrylate	10.988	69	900	0.321	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5955	1.757	ug/l #	42
59) 2-Hexanone	11.171	43	88675	49.607	ug/l #	21
68) m/p-Xylenes	12.071	106	3610	0.907	ug/l	94
71) Bromoform	12.847	173	639	0.392	ug/l #	1
74) N-amyl acetate	12.494	43	1059	0.378	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	51607	21.860	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	51607	64.680	ug/l #	10

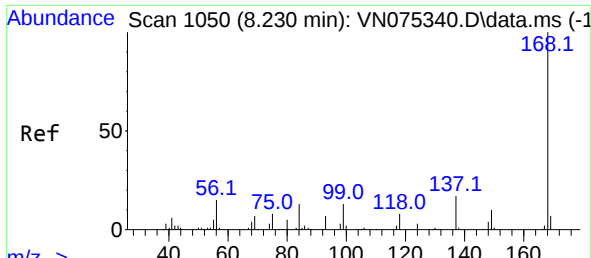
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120522\
Data File : VN075567.D
Acq On : 05 Dec 2022 18:31
Operator : JC\MD
Sample : N5844-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MH-17

Quant Time: Dec 06 03:26:22 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

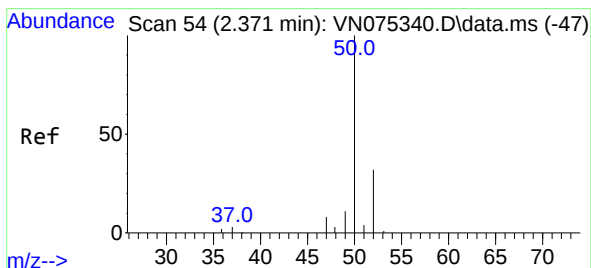
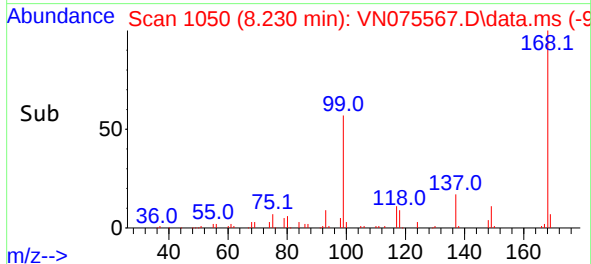
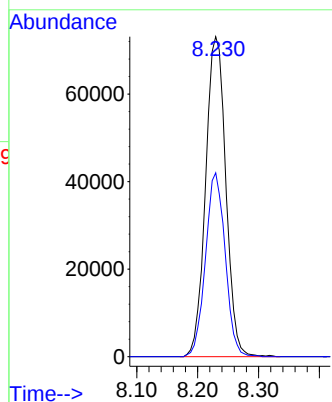
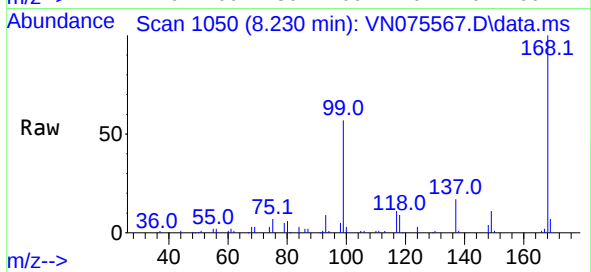




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN075567.D
Acq: 05 Dec 2022 18:31

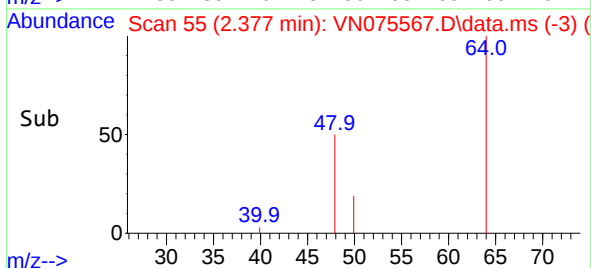
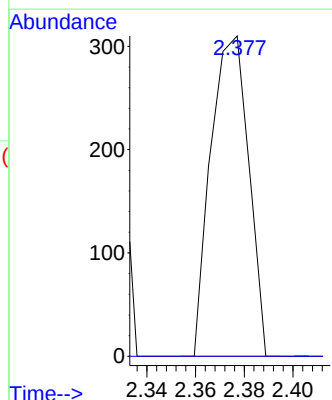
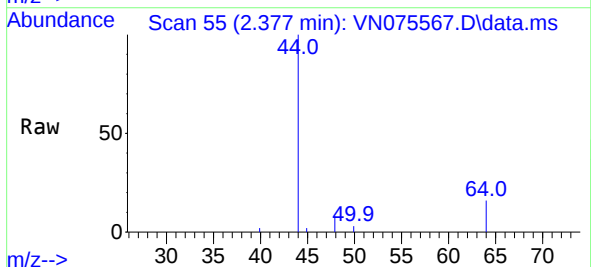
Instrument :
MSVOA_N
ClientSampleId :
MH-17

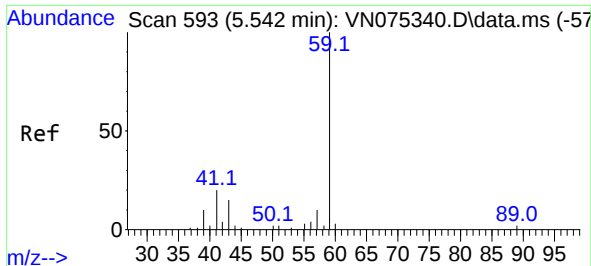
Tgt Ion:168 Resp: 168664
Ion Ratio Lower Upper
168 100
99 57.4 51.6 77.4



#3
Chloromethane
Concen: 0.209 ug/l
RT: 2.377 min Scan# 55
Delta R.T. 0.006 min
Lab File: VN075567.D
Acq: 05 Dec 2022 18:31

Tgt Ion: 50 Resp: 335
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.6#





#11

Tert butyl alcohol

Concen: 4.420 ug/l

RT: 5.500 min Scan# 5

Delta R.T. -0.042 min

Lab File: VN075567.D

Acq: 05 Dec 2022 18:31

Instrument :

MSVOA_N

ClientSampleId :

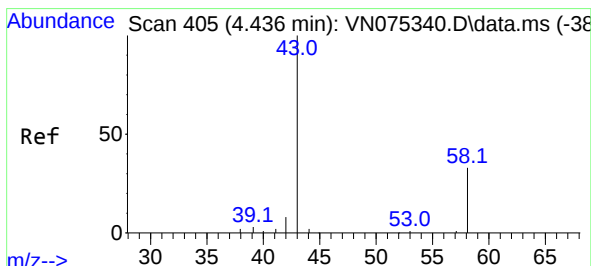
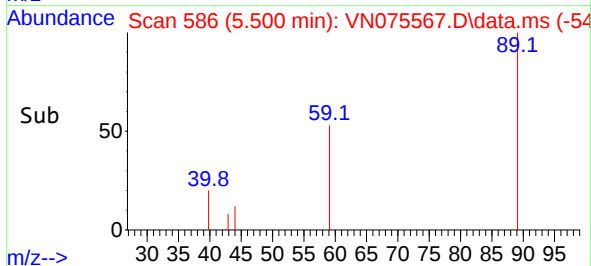
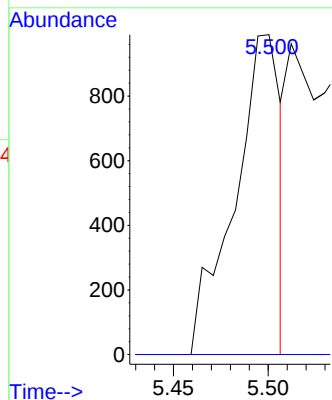
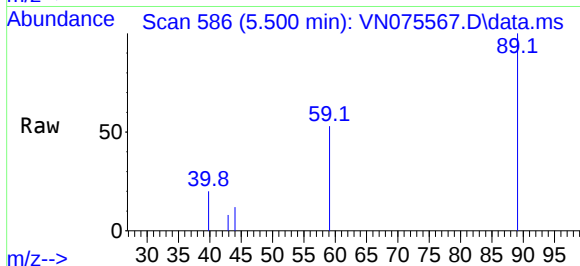
MH-17

Tgt Ion: 59 Resp: 1680

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



#16

Acetone

Concen: 17.550 ug/l

RT: 4.442 min Scan# 406

Delta R.T. 0.006 min

Lab File: VN075567.D

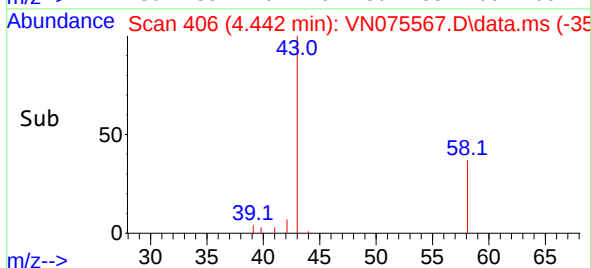
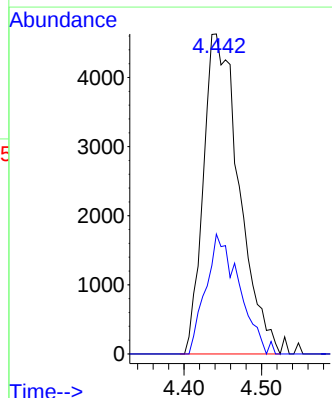
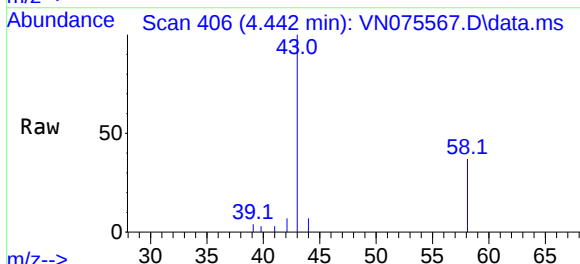
Acq: 05 Dec 2022 18:31

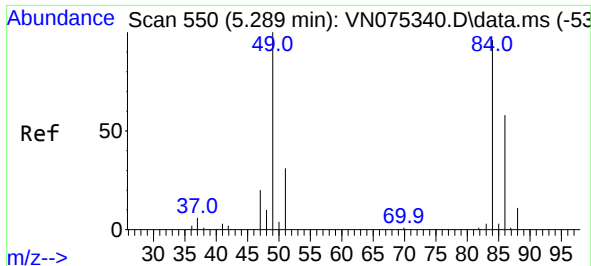
Tgt Ion: 43 Resp: 14821

Ion Ratio Lower Upper

43 100

58 37.4 25.5 38.3

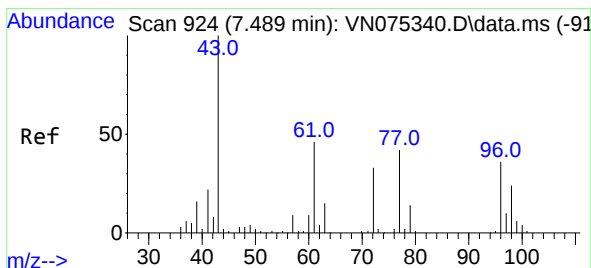
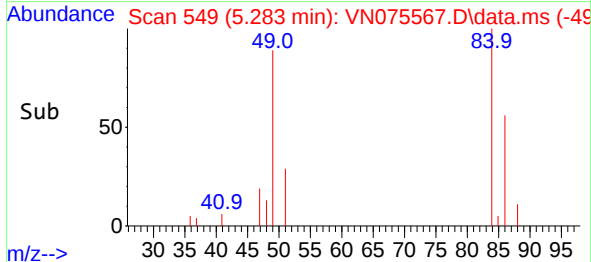
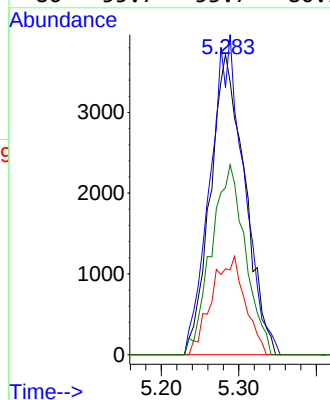
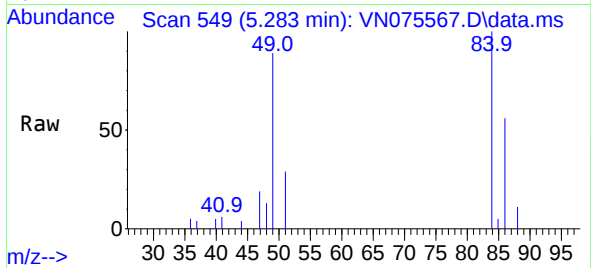




#20
Methylene Chloride
Concen: 5.577 ug/l
RT: 5.283 min Scan# 54
Delta R.T. -0.006 min
Lab File: VN075567.D
Acq: 05 Dec 2022 18:31

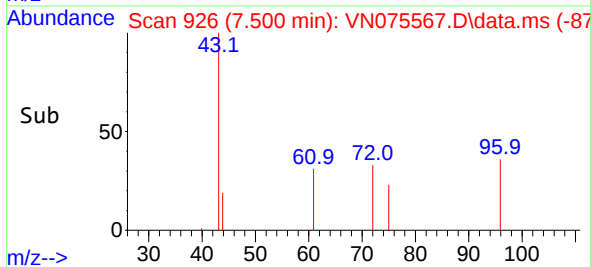
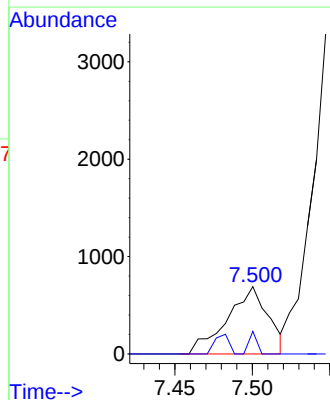
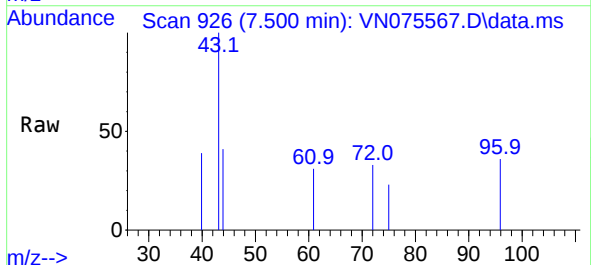
Instrument :
MSVOA_N
ClientSampleId :
MH-17

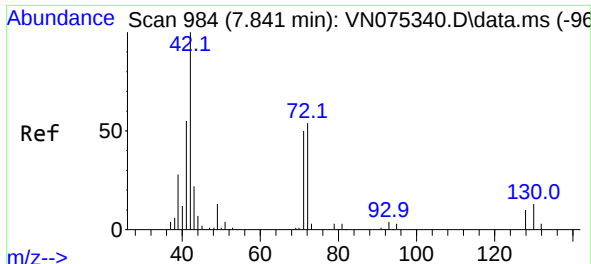
Tgt Ion: 84	Resp: 11496
Ion Ratio	Lower Upper
84 100	
49 89.1	94.9 142.3#
51 28.6	26.8 40.2
86 55.7	53.7 80.5



#25
2-Butanone
Concen: 1.075 ug/l
RT: 7.500 min Scan# 926
Delta R.T. 0.011 min
Lab File: VN075567.D
Acq: 05 Dec 2022 18:31

Tgt Ion: 43	Resp: 1267
Ion Ratio	Lower Upper
43 100	
72 33.4	25.5 38.3

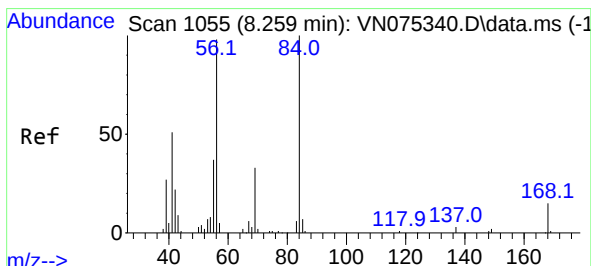
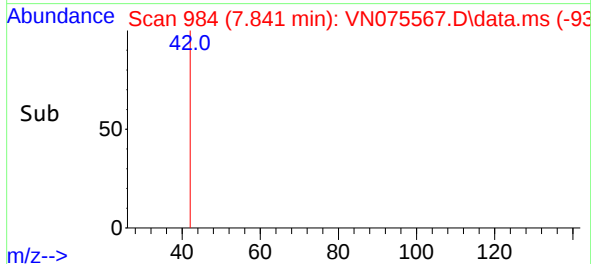
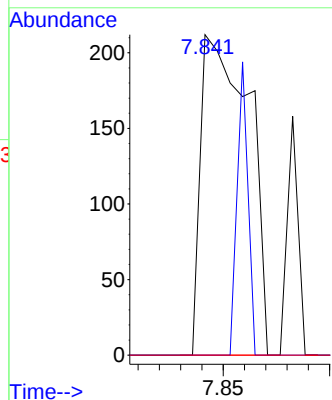
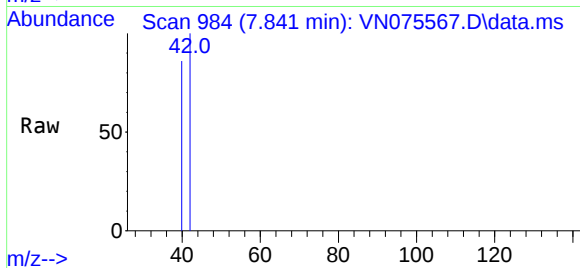




#29
Tetrahydrofuran
Concen: 0.462 ug/l
RT: 7.841 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN075567.D
Acq: 05 Dec 2022 18:31

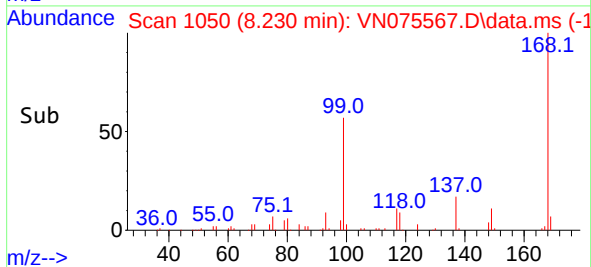
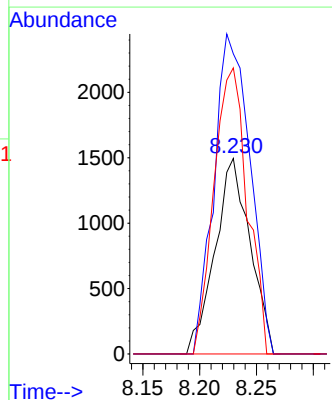
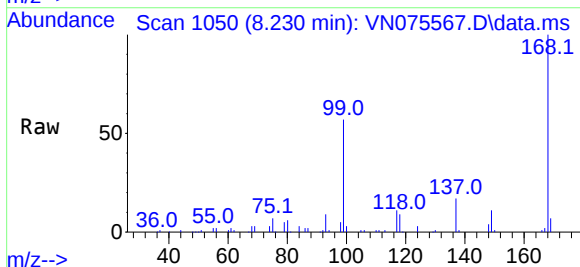
Instrument :
MSVOA_N
ClientSampleId :
MH-17

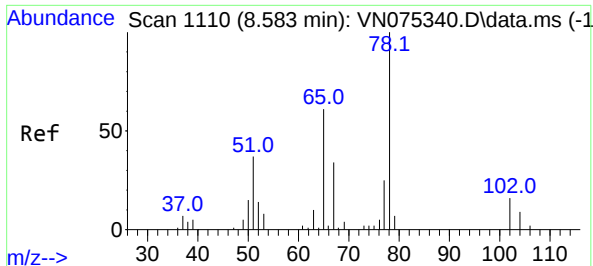
Tgt Ion: 42 Resp: 331
Ion Ratio Lower Upper
42 100
72 20.5 43.0 64.6#
71 0.0 39.9 59.9#



#31
Cyclohexane
Concen: 1.118 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.029 min
Lab File: VN075567.D
Acq: 05 Dec 2022 18:31

Tgt Ion: 56 Resp: 3215
Ion Ratio Lower Upper
56 100
69 153.4 25.2 37.8#
84 146.3 77.8 116.8#

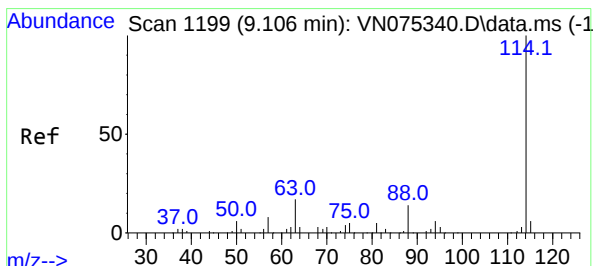
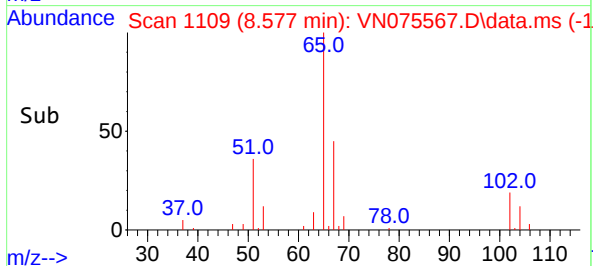
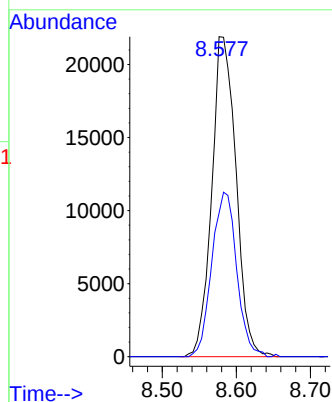
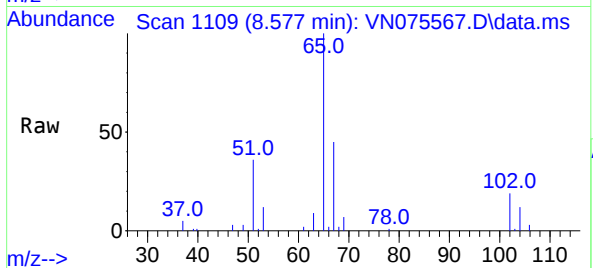




#33
1,2-Dichloroethane-d4
Concen: 55.029 ug/l
RT: 8.577 min Scan# 1110
Delta R.T. -0.006 min
Lab File: VN075567.D
Acq: 05 Dec 2022 18:31

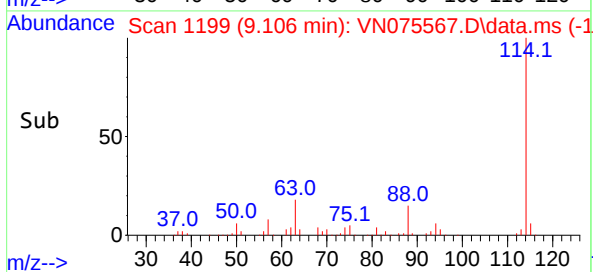
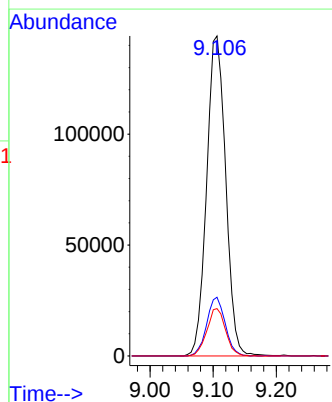
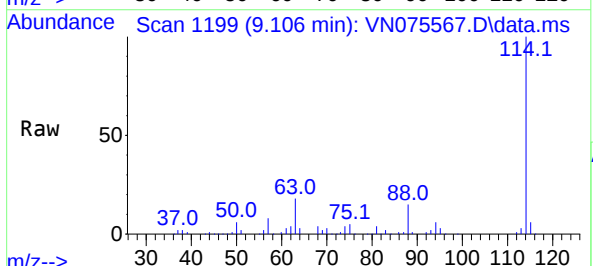
Instrument :
MSVOA_N
ClientSampleId :
MH-17

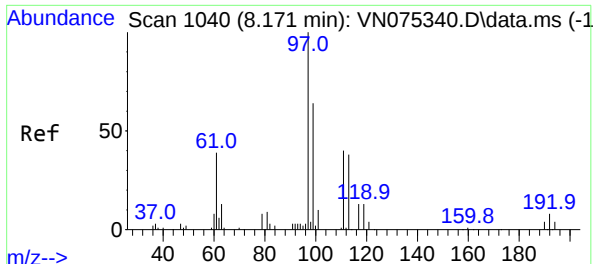
Tgt Ion: 65 Resp: 49821
Ion Ratio Lower Upper
65 100
67 52.7 0.0 102.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN075567.D
Acq: 05 Dec 2022 18:31

Tgt Ion: 114 Resp: 301866
Ion Ratio Lower Upper
114 100
63 18.4 0.0 39.6
88 14.8 0.0 29.0

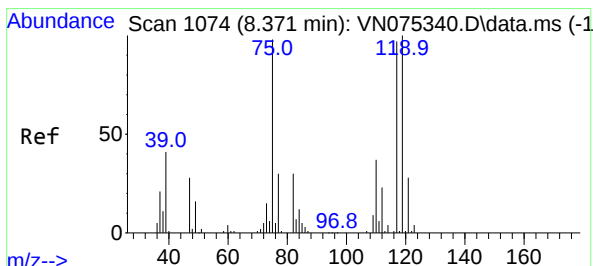
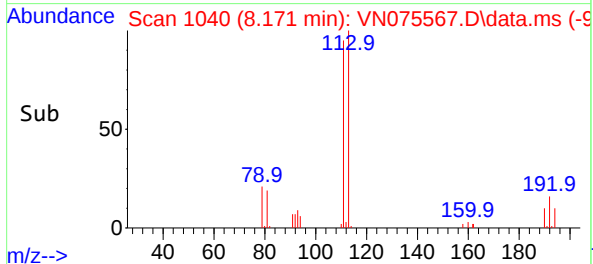
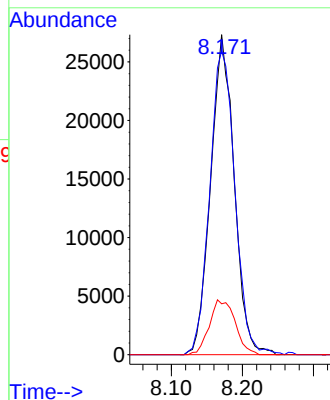
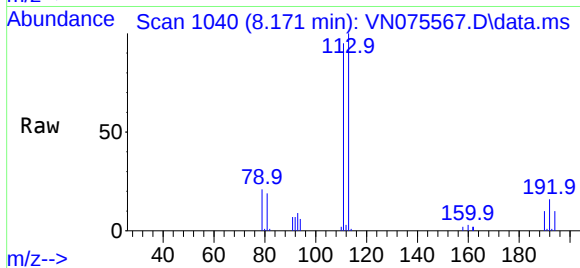




#35
Dibromofluoromethane
Concen: 52.988 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN075567.D
Acq: 05 Dec 2022 18:31

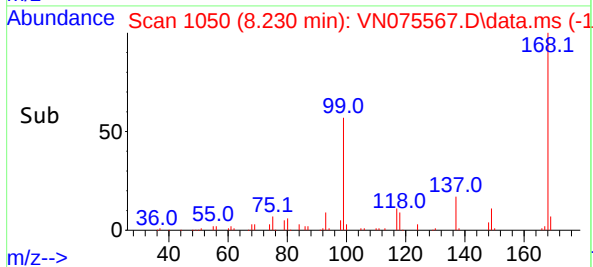
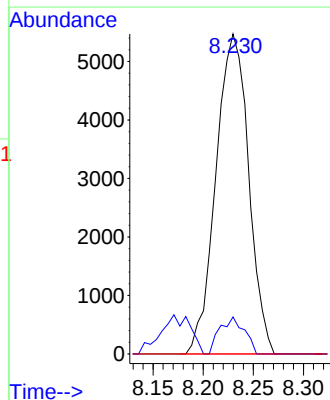
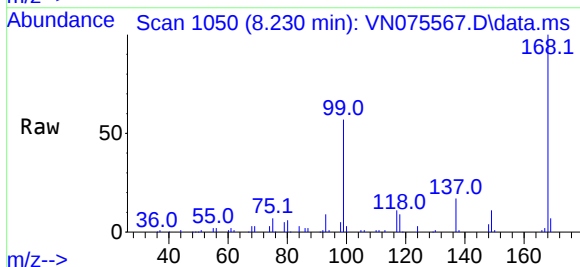
Instrument :
MSVOA_N
ClientSampleId :
MH-17

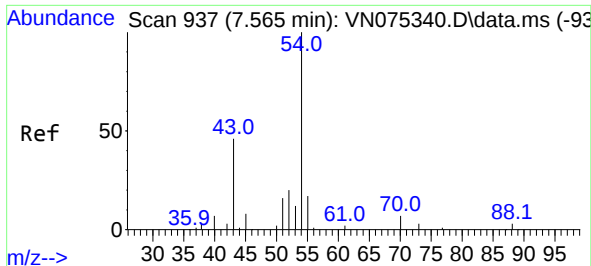
Tgt Ion:113 Resp: 62835
Ion Ratio Lower Upper
113 100
111 101.7 80.5 120.7
192 18.7 13.2 19.8



#36
1,1-Dichloropropene
Concen: 4.797 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.141 min
Lab File: VN075567.D
Acq: 05 Dec 2022 18:31

Tgt Ion: 75 Resp: 12405
Ion Ratio Lower Upper
75 100
110 8.7 17.8 53.3#
77 0.0 24.6 37.0#

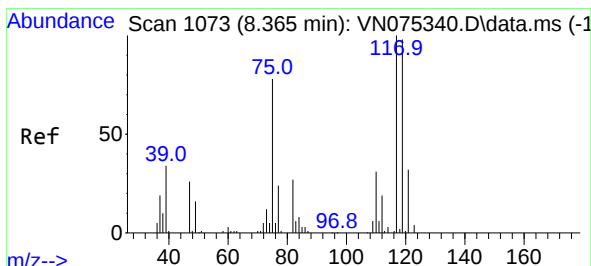
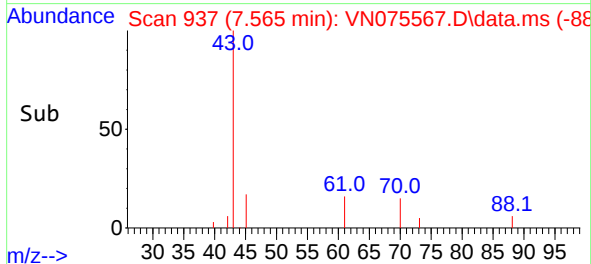
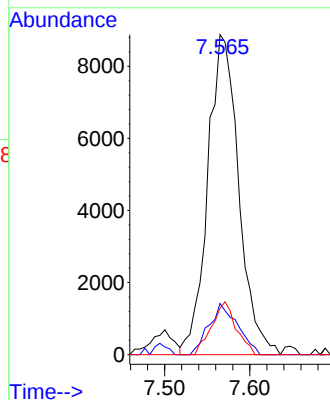
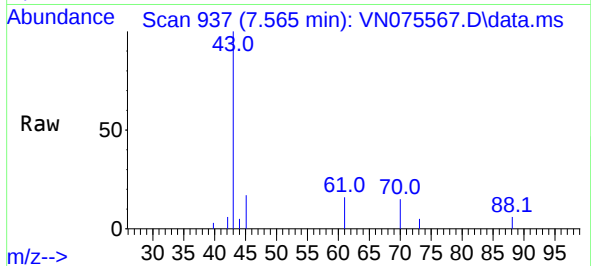




#37
Ethyl Acetate
Concen: 9.637 ug/l
RT: 7.565 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN075567.D
Acq: 05 Dec 2022 18:31

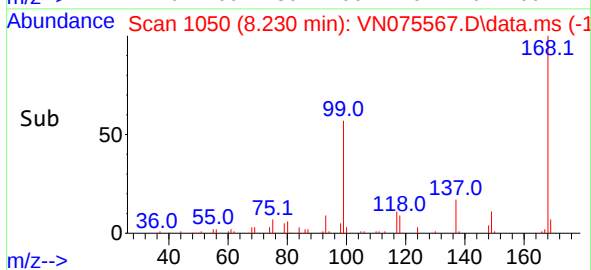
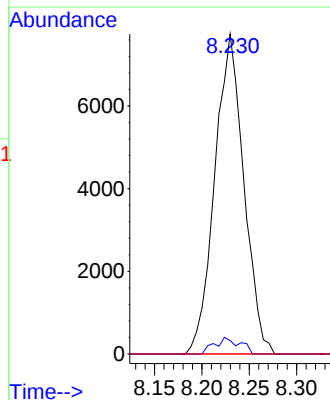
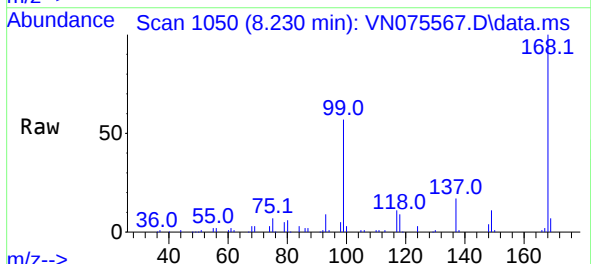
Instrument :
MSVOA_N
ClientSampleId :
MH-17

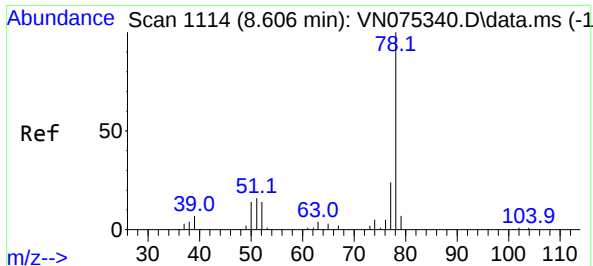
Tgt Ion:	43	Resp:	22440
Ion	Ratio	Lower	Upper
43	100		
61	14.9	12.2	18.4
70	13.1	9.4	14.2



#38
Carbon Tetrachloride
Concen: 5.817 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN075567.D
Acq: 05 Dec 2022 18:31

Tgt Ion:	117	Resp:	16526
Ion	Ratio	Lower	Upper
117	100		
119	4.2	76.7	115.1#
121	0.0	23.9	35.9#

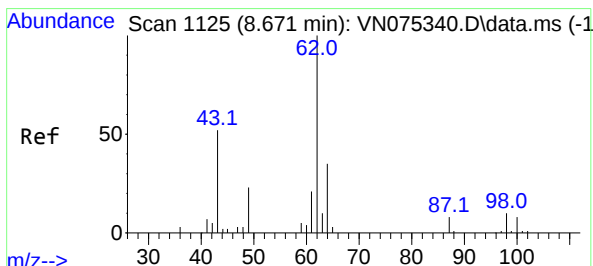
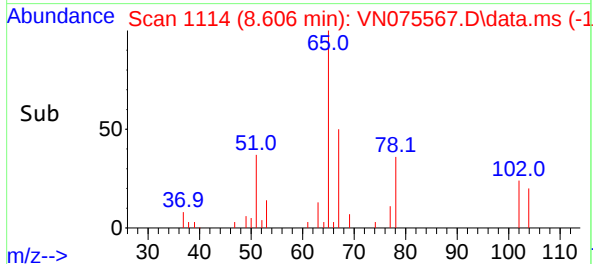
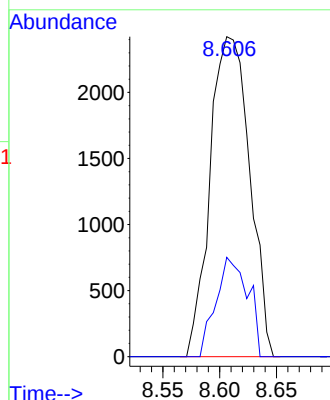
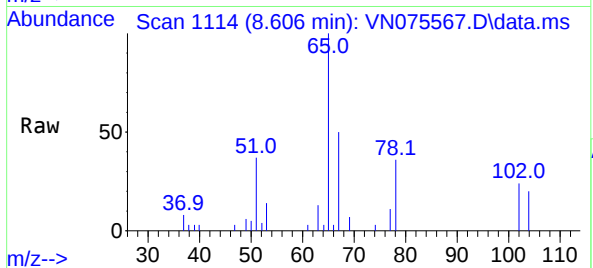




#40
Benzene
Concen: 0.741 ug/l
RT: 8.606 min Scan# 1114
Delta R.T. 0.000 min
Lab File: VN075567.D
Acq: 05 Dec 2022 18:31

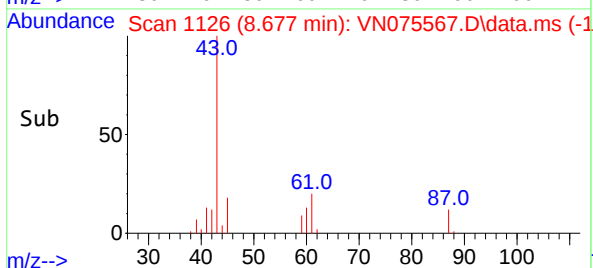
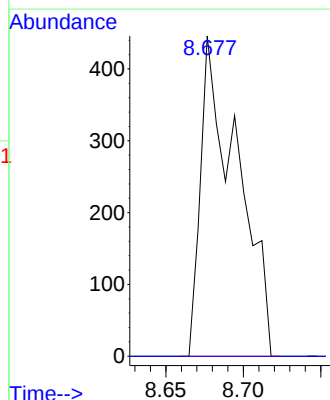
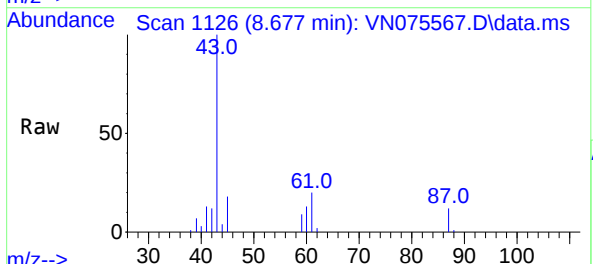
Instrument :
MSVOA_N
ClientSampleId :
MH-17

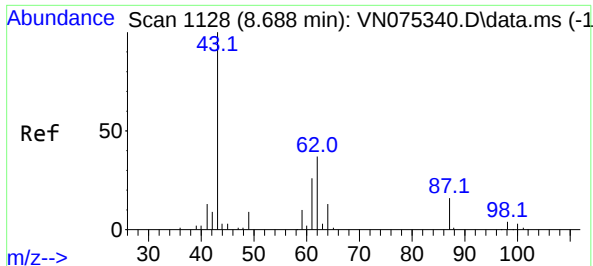
Tgt Ion: 78 Resp: 5865
Ion Ratio Lower Upper
78 100
77 31.0 19.4 29.0#



#42
1,2-Dichloroethane
Concen: 0.275 ug/l
RT: 8.677 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN075567.D
Acq: 05 Dec 2022 18:31

Tgt Ion: 62 Resp: 730
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2

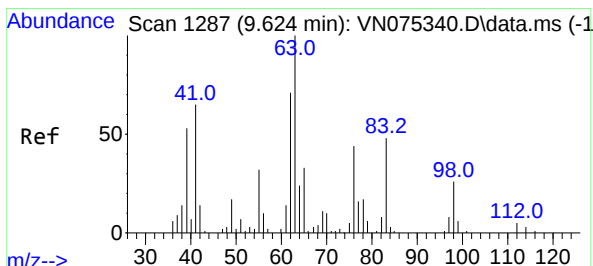
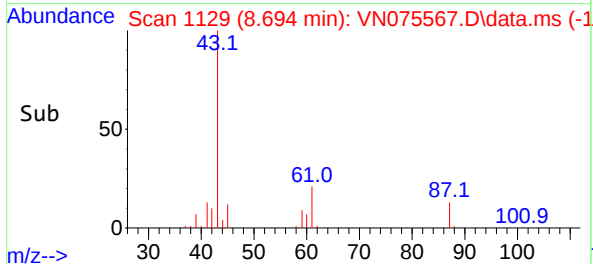
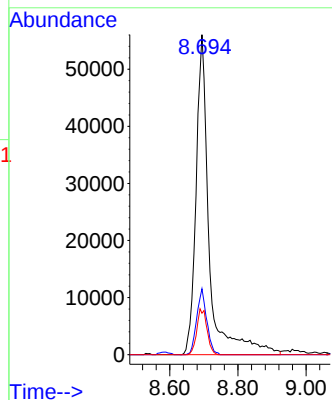
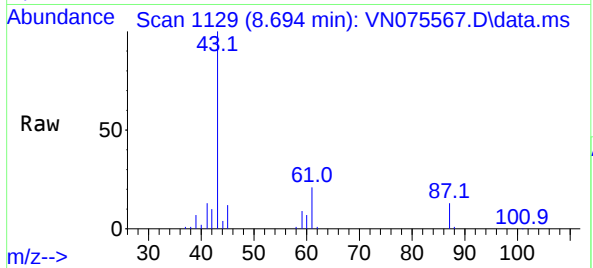




#43
Isopropyl Acetate
Concen: 40.269 ug/l
RT: 8.694 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN075567.D
Acq: 05 Dec 2022 18:31

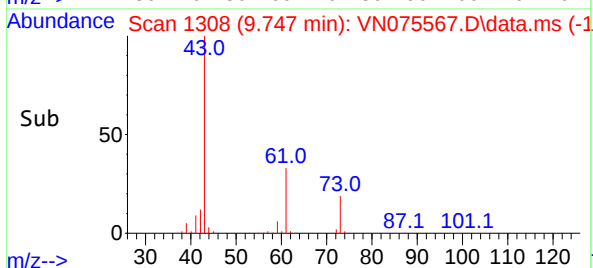
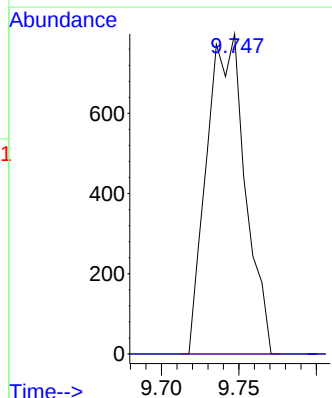
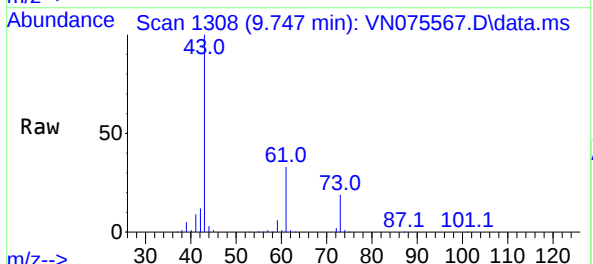
Instrument :
MSVOA_N
ClientSampleId :
MH-17

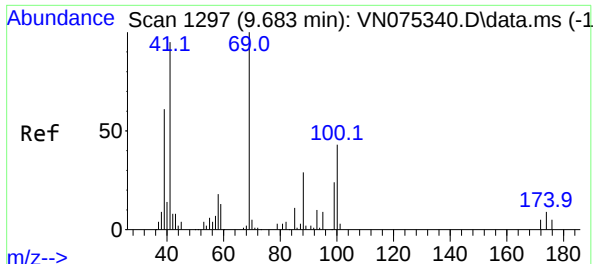
Tgt Ion: 43 Resp: 150508
Ion Ratio Lower Upper
43 100
61 15.6 22.4 33.6#
87 11.1 12.5 18.7#



#45
1,2-Dichloropropane
Concen: 0.727 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.123 min
Lab File: VN075567.D
Acq: 05 Dec 2022 18:31

Tgt Ion: 63 Resp: 1372
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#





#48

Methyl methacrylate

Concen: 51.923 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.064 min

Lab File: VN075567.D

Acq: 05 Dec 2022 18:31

Instrument :

MSVOA_N

ClientSampleId :

MH-17

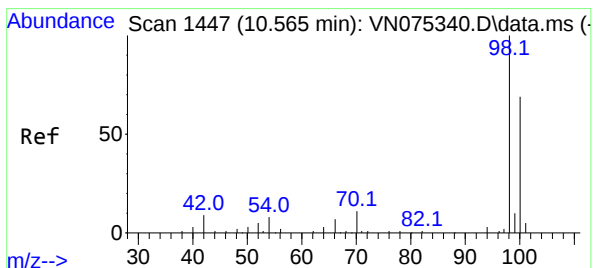
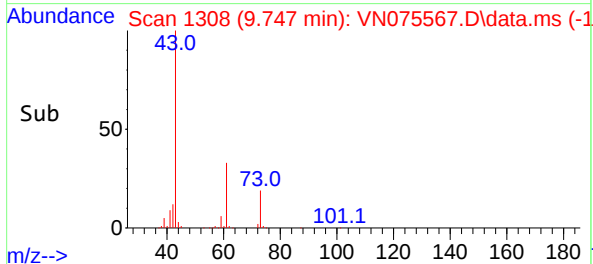
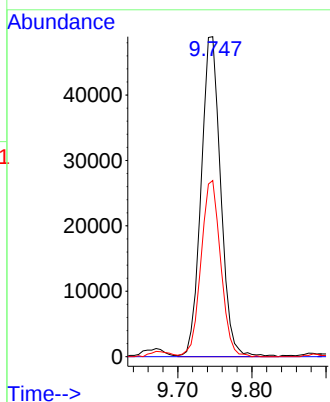
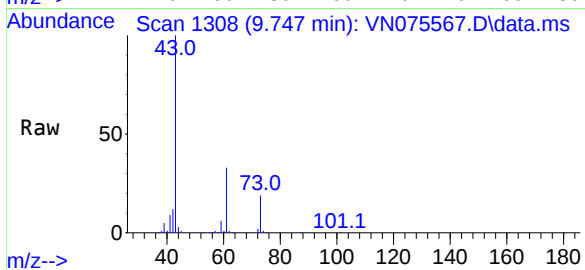
Tgt Ion: 41 Resp: 89735

Ion Ratio Lower Upper

41 100

69 0.0 80.2 120.2#

39 55.4 56.2 84.2#



#50

Toluene-d8

Concen: 50.030 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. 0.006 min

Lab File: VN075567.D

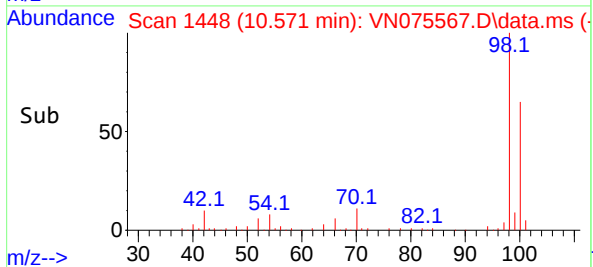
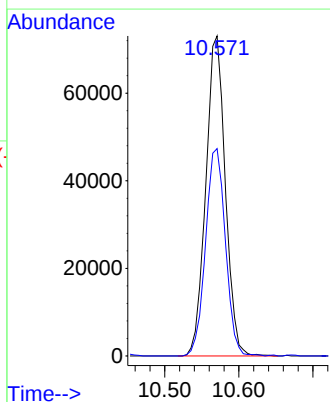
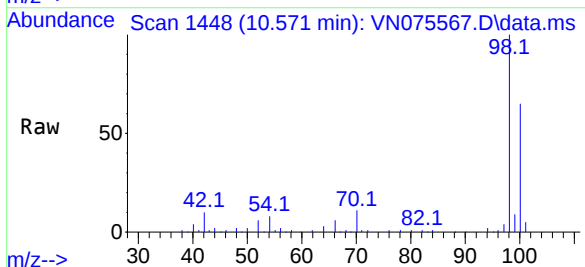
Acq: 05 Dec 2022 18:31

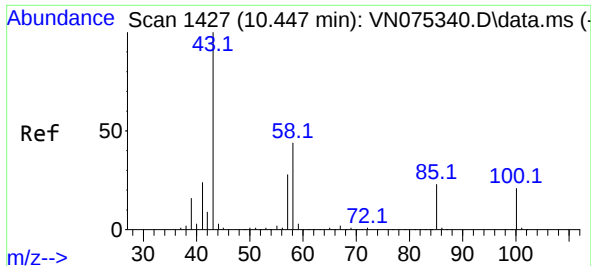
Tgt Ion: 98 Resp: 133621

Ion Ratio Lower Upper

98 100

100 66.0 53.0 79.6

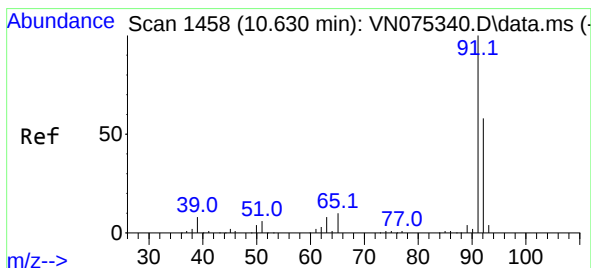
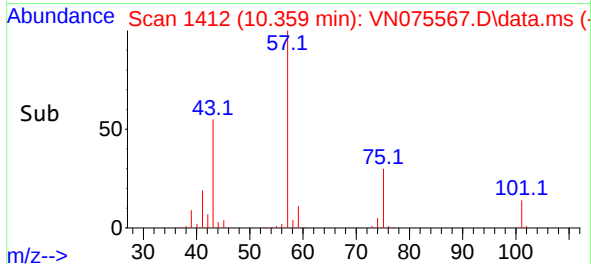
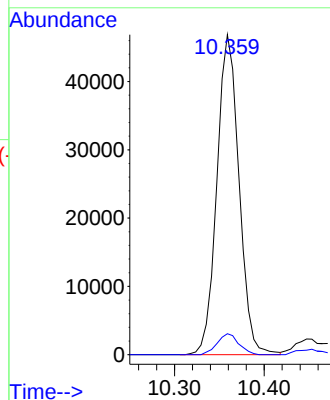
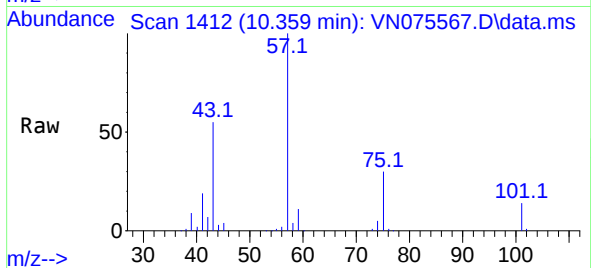




#51
4-Methyl-2-Pentanone
Concen: 33.732 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. -0.088 min
Lab File: VN075567.D
Acq: 05 Dec 2022 18:31

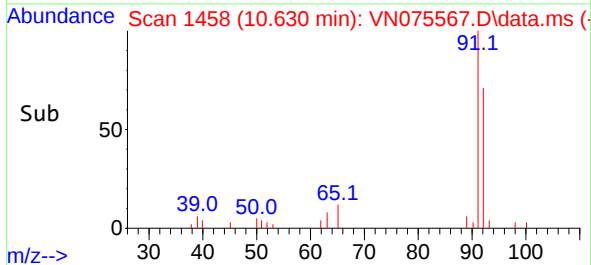
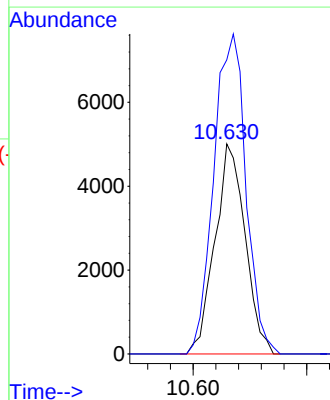
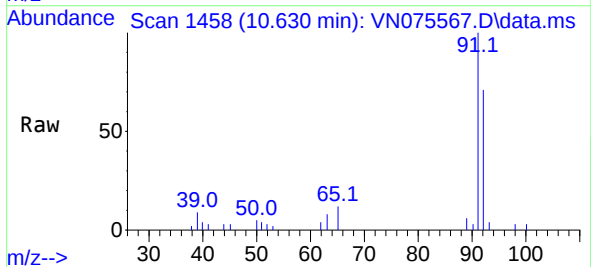
Instrument :
MSVOA_N
ClientSampleId :
MH-17

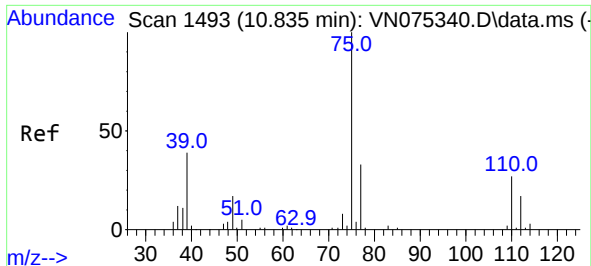
Tgt Ion: 43 Resp: 80301
Ion Ratio Lower Upper
43 100
58 6.4 33.6 50.4#



#52
Toluene
Concen: 1.812 ug/l
RT: 10.630 min Scan# 1458
Delta R.T. -0.001 min
Lab File: VN075567.D
Acq: 05 Dec 2022 18:31

Tgt Ion: 92 Resp: 9244
Ion Ratio Lower Upper
92 100
91 162.2 135.4 203.2

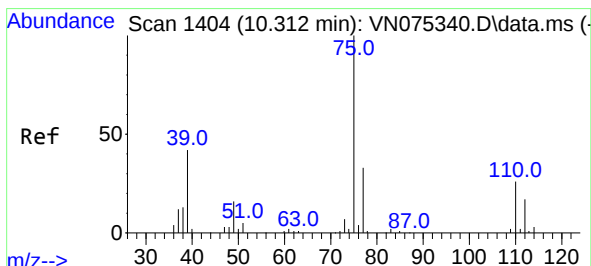
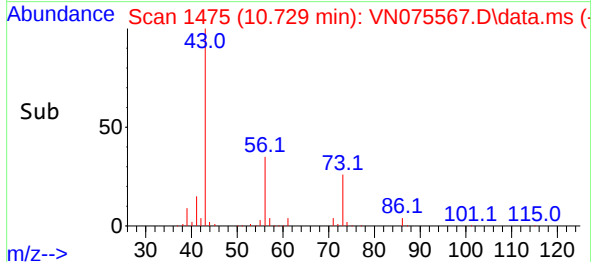
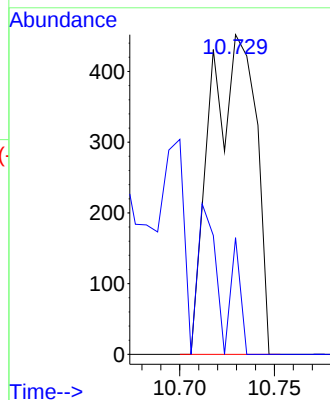
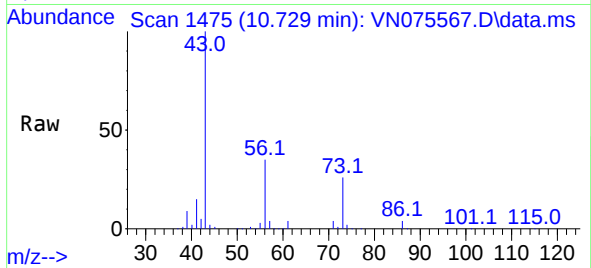




#53
t-1,3-Dichloropropene
Concen: 0.270 ug/l
RT: 10.729 min Scan# 1412
Delta R.T. -0.106 min
Lab File: VN075567.D
Acq: 05 Dec 2022 18:31

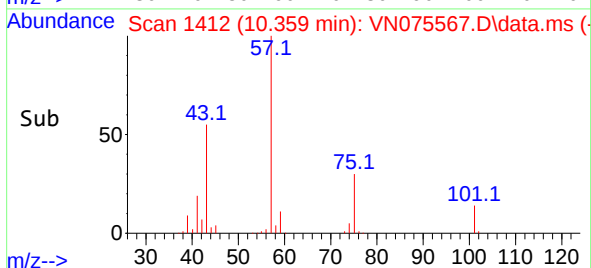
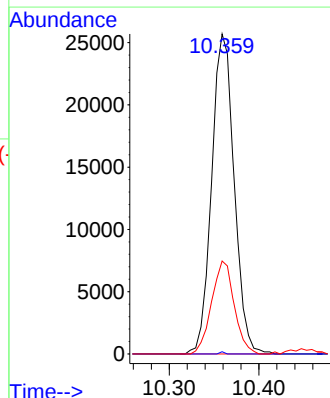
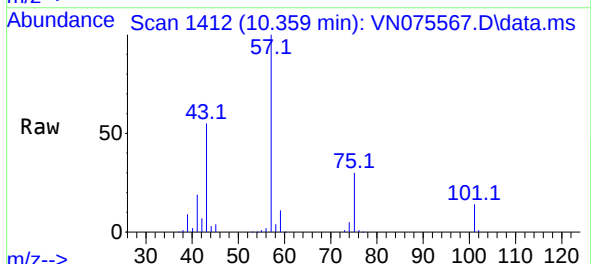
Instrument :
MSVOA_N
ClientSampleId :
MH-17

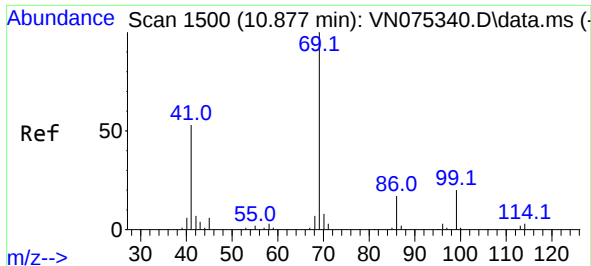
Tgt Ion: 75 Resp: 750
Ion Ratio Lower Upper
75 100
77 36.5 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 14.825 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. 0.047 min
Lab File: VN075567.D
Acq: 05 Dec 2022 18:31

Tgt Ion: 75 Resp: 44673
Ion Ratio Lower Upper
75 100
77 0.7 23.7 35.5#
39 29.1 35.8 53.6#

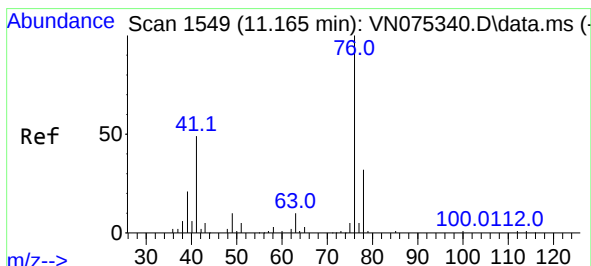
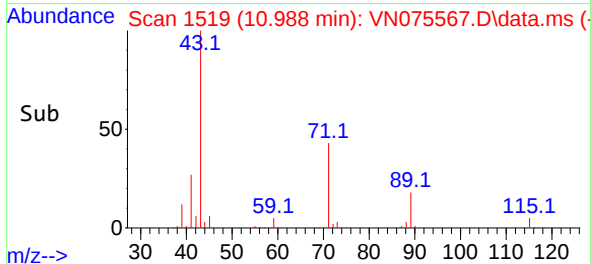
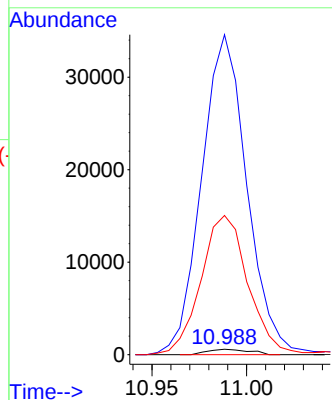
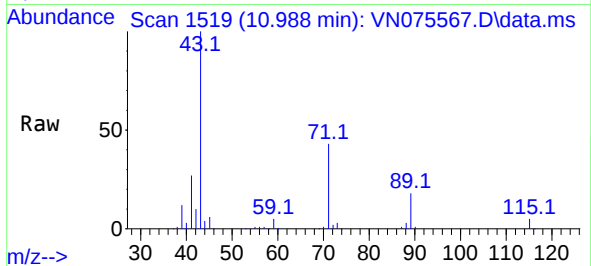




#56
Ethyl methacrylate
Concen: 0.321 ug/l
RT: 10.988 min Scan# 11
Delta R.T. 0.111 min
Lab File: VN075567.D
Acq: 05 Dec 2022 18:31

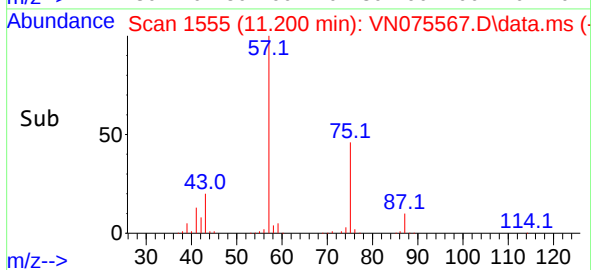
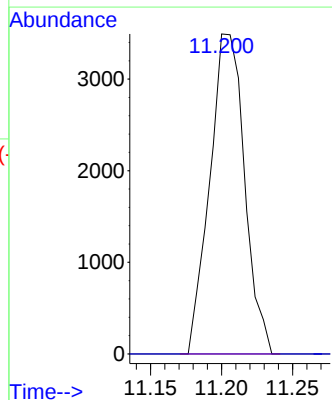
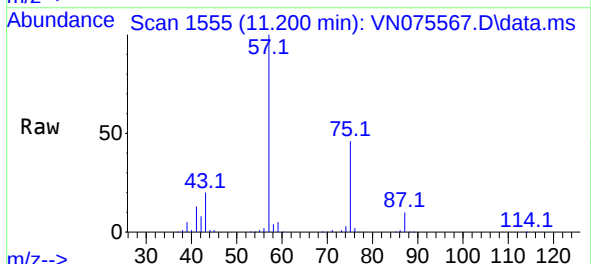
Instrument :
MSVOA_N
ClientSampleId :
MH-17

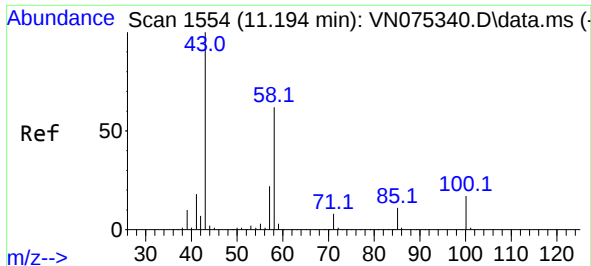
Tgt Ion: 69 Resp: 900
Ion Ratio Lower Upper
69 100
41 6446.3 45.6 68.4#
39 2894.4 28.5 42.7#



#57
1,3-Dichloropropane
Concen: 1.757 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. 0.035 min
Lab File: VN075567.D
Acq: 05 Dec 2022 18:31

Tgt Ion: 76 Resp: 5955
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

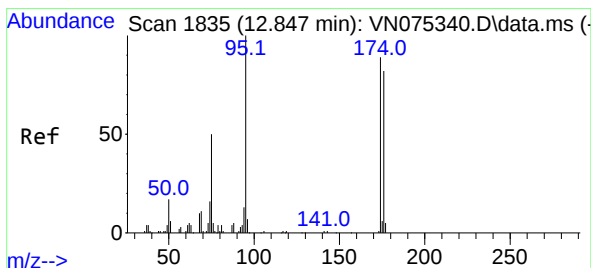
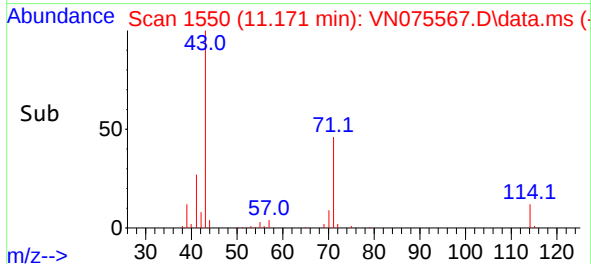
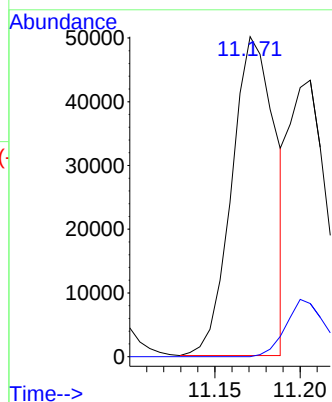
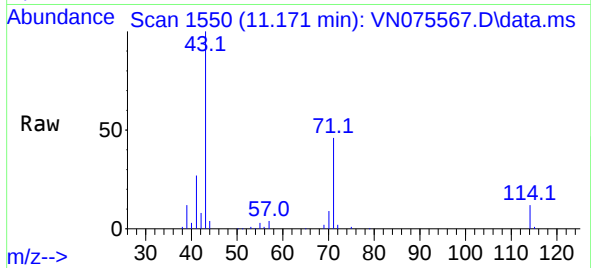




#59
2-Hexanone
Concen: 49.607 ug/l
RT: 11.171 min Scan# 1115
Delta R.T. -0.023 min
Lab File: VN075567.D
Acq: 05 Dec 2022 18:31

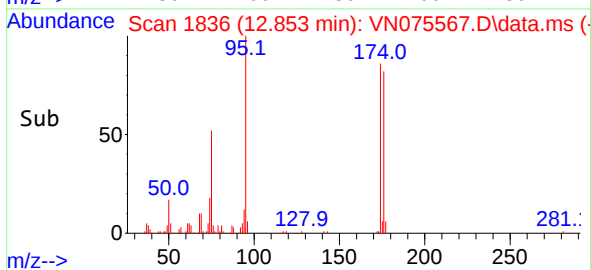
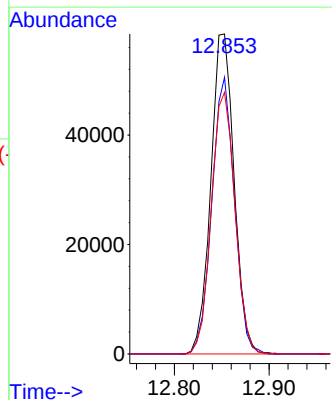
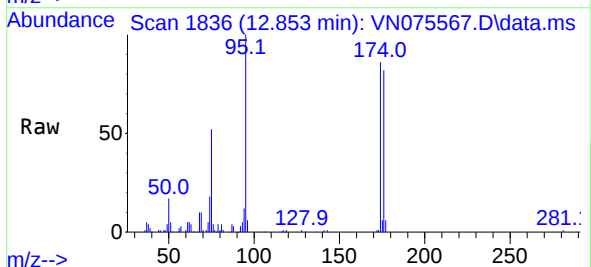
Instrument :
MSVOA_N
ClientSampleId :
MH-17

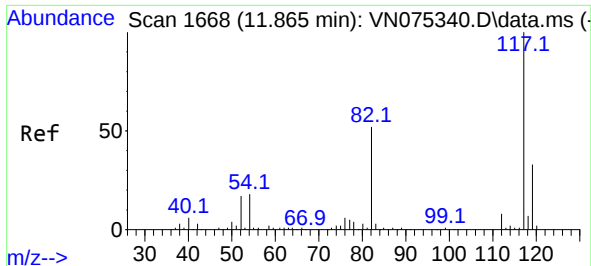
Tgt Ion: 43 Resp: 88675
Ion Ratio Lower Upper
43 100
58 0.0 29.6 88.8#



#62
4-Bromofluorobenzene
Concen: 50.803 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN075567.D
Acq: 05 Dec 2022 18:31

Tgt Ion: 95 Resp: 100150
Ion Ratio Lower Upper
95 100
174 83.8 0.0 147.4
176 82.7 0.0 142.2

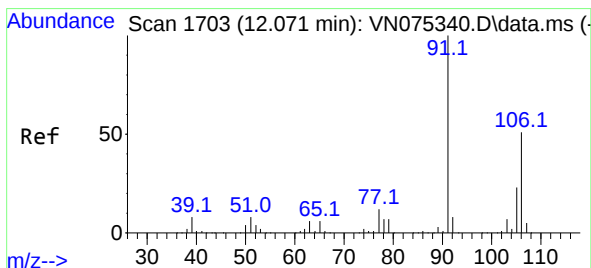
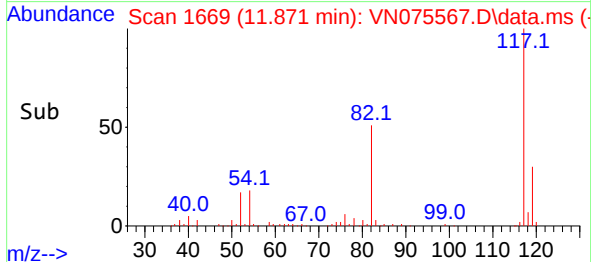
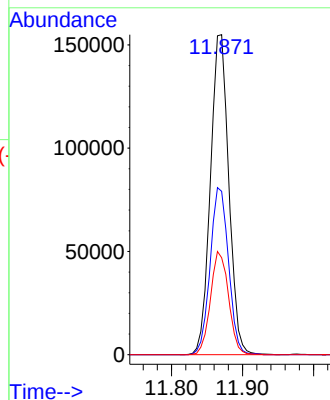
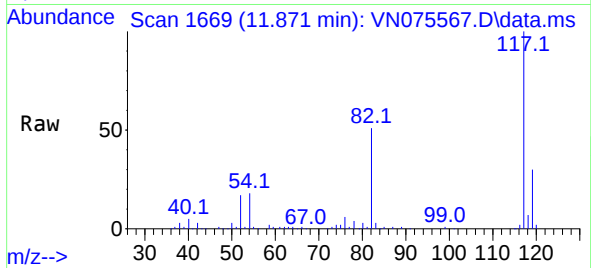




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN075567.D
Acq: 05 Dec 2022 18:31

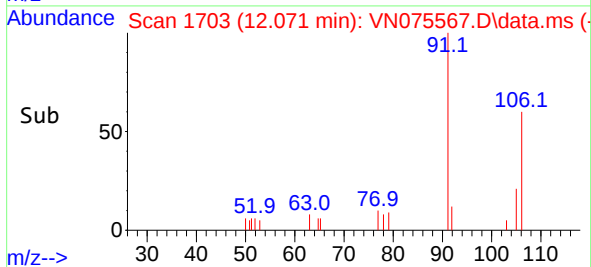
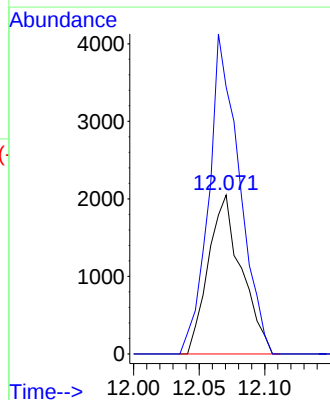
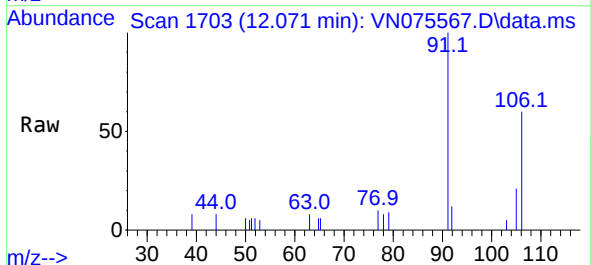
Instrument :
MSVOA_N
ClientSampleId :
MH-17

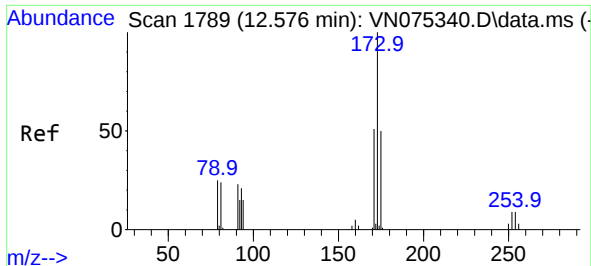
Tgt Ion:117 Resp: 278200
Ion Ratio Lower Upper
117 100
82 51.1 43.1 64.7
119 30.3 25.5 38.3



#68
m/p-Xylenes
Concen: 0.907 ug/l
RT: 12.071 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VN075567.D
Acq: 05 Dec 2022 18:31

Tgt Ion:106 Resp: 3610
Ion Ratio Lower Upper
106 100
91 186.6 156.0 234.0

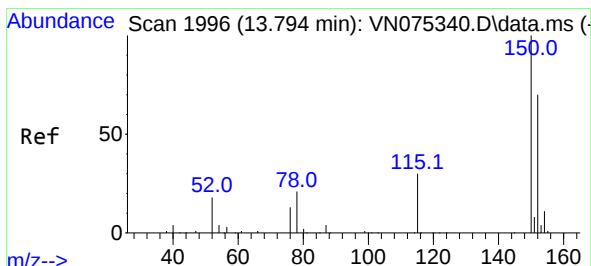
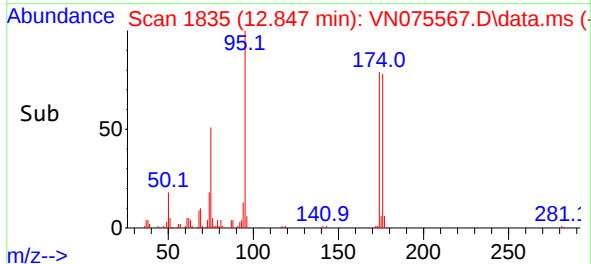
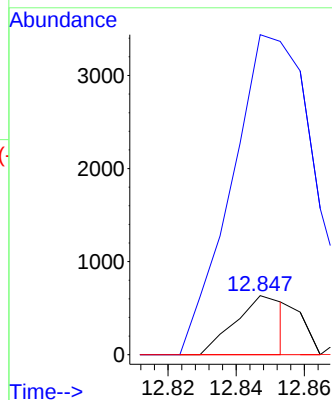
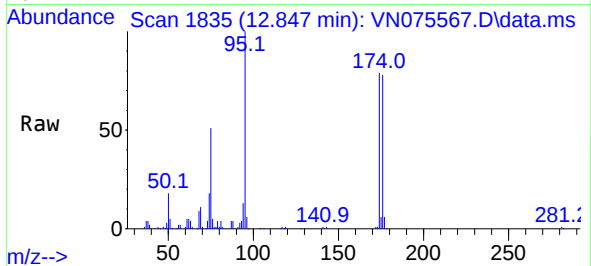




#71
Bromoform
Concen: 0.392 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.271 min
Lab File: VN075567.D
Acq: 05 Dec 2022 18:31

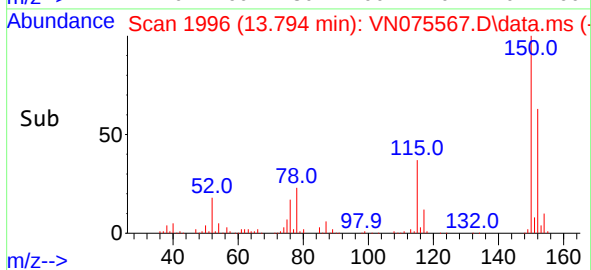
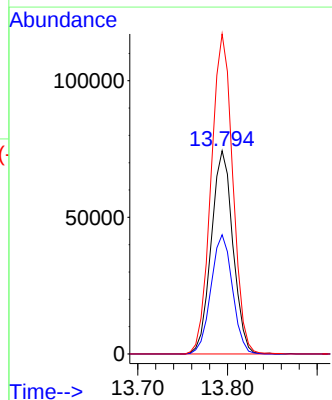
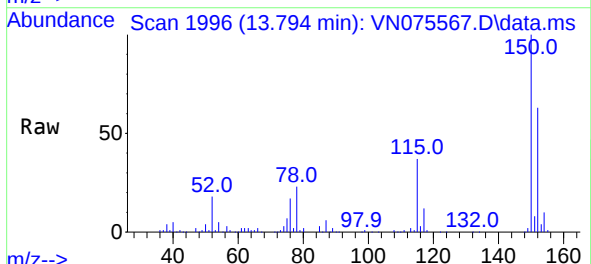
Instrument :
MSVOA_N
ClientSampleId :
MH-17

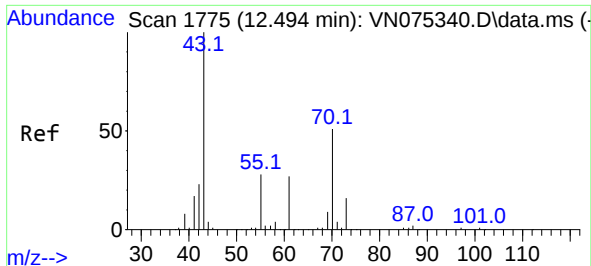
Tgt Ion:173 Resp: 639
Ion Ratio Lower Upper
173 100
175 605.9 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075567.D
Acq: 05 Dec 2022 18:31

Tgt Ion:152 Resp: 124859
Ion Ratio Lower Upper
152 100
115 58.1 30.2 90.6
150 157.4 0.0 348.4

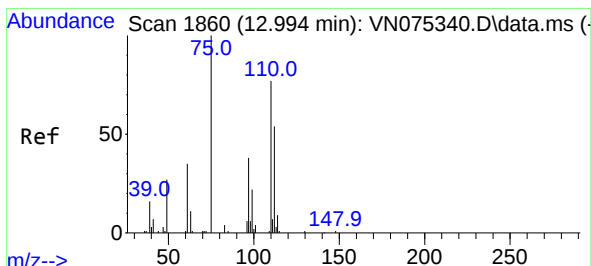
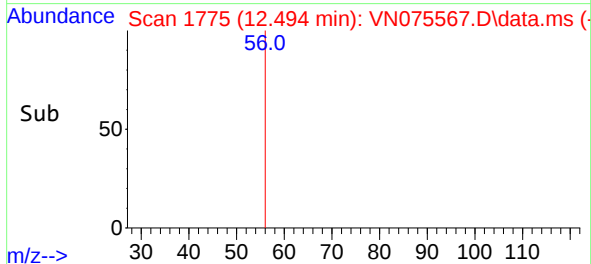
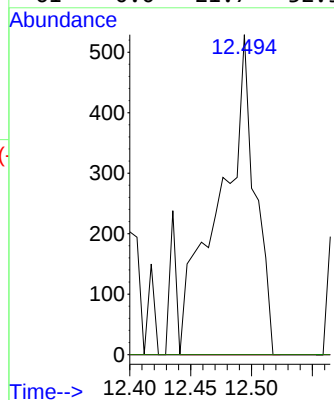
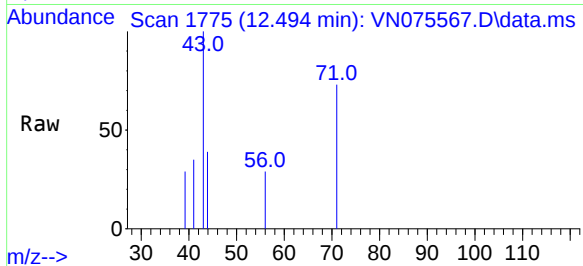




#74
N-amy1 acetate
Concen: 0.378 ug/l
RT: 12.494 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN075567.D
Acq: 05 Dec 2022 18:31

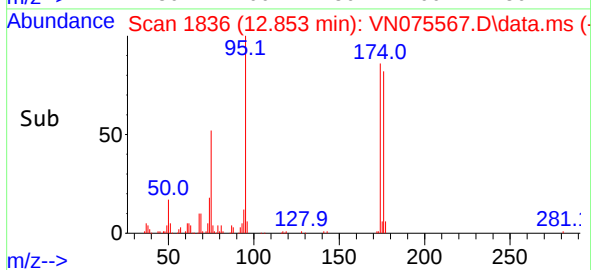
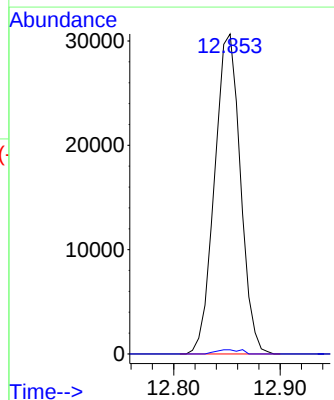
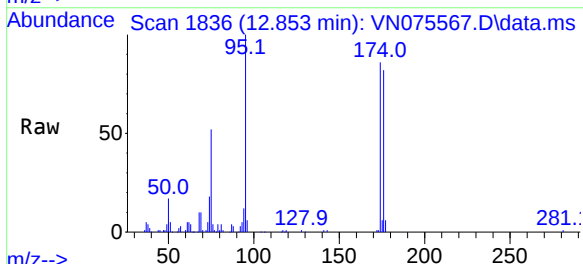
Instrument :
MSVOA_N
ClientSampleId :
MH-17

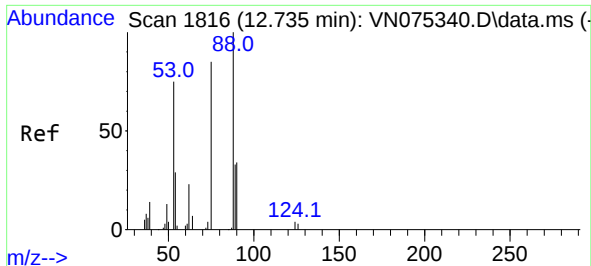
Tgt Ion: 43	Resp:	1059
Ion	Ratio	Lower Upper
43	100	
70	0.0	39.8 59.8#
55	0.0	19.9 29.9#
61	0.0	21.7 32.5#



#76
1,2,3-Trichloropropane
Concen: 21.860 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075567.D
Acq: 05 Dec 2022 18:31

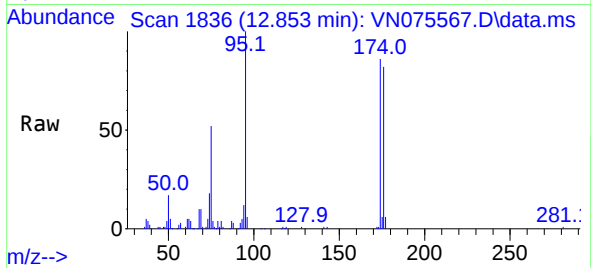
Tgt Ion: 75	Resp:	51607
Ion	Ratio	Lower Upper
75	100	
77	1.3	75.6 226.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.680 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN075567.D
 Acq: 05 Dec 2022 18:31

Instrument :
 MSVOA_N
 ClientSampleId :
 MH-17



Tgt Ion: 75 Resp: 51607
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.0 37.7 56.5#

