

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110922\
 Data File : VN075217.D
 Acq On : 09 Nov 2022 15:05
 Operator : JC\MD
 Sample : PB148908ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB148908ZHE#03

Quant Time: Nov 10 02:43:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 09:48:49 2022
 Response via : Initial Calibration

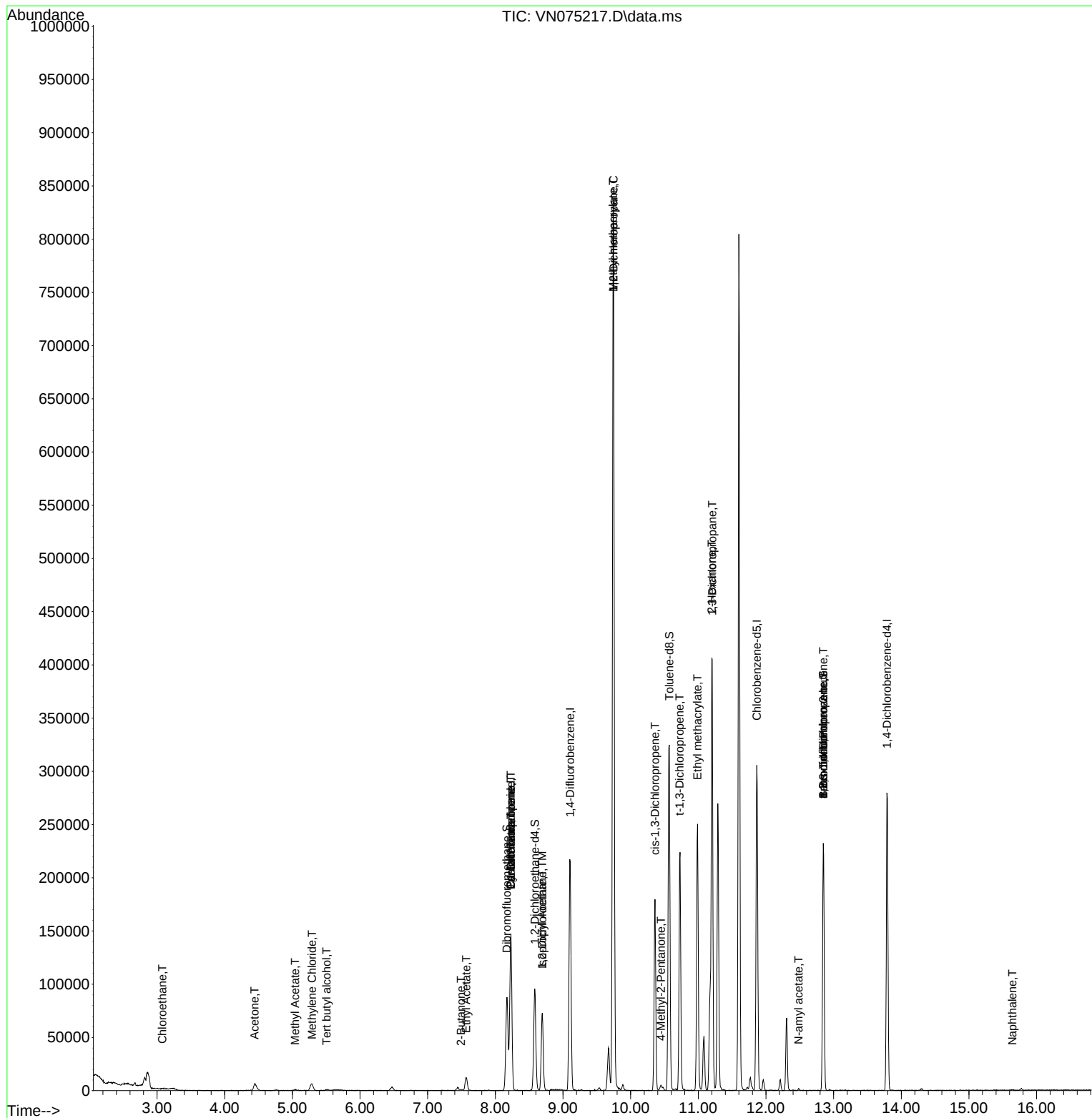
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	103161	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	197126	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	184583	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	76019	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	75115	54.041	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.080%	
35) Dibromofluoromethane	8.171	113	63094	54.522	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 109.040%	
50) Toluene-d8	10.571	98	239050	53.244	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 106.480%	
62) 4-Bromofluorobenzene	12.847	95	79926	50.677	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 101.360%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.930	94	120	Below Cal	#	5
6) Chloroethane	3.077	64	475	0.326	ug/l #	45
11) Tert butyl alcohol	5.506	59	227	0.700	ug/l #	72
16) Acetone	4.442	43	12344	20.974	ug/l	94
18) Methyl Acetate	5.042	43	2138	1.112	ug/l #	74
20) Methylene Chloride	5.289	84	5627	4.288	ug/l #	82
25) 2-Butanone	7.495	43	1400	1.512	ug/l #	43
31) Cyclohexane	8.230	56	2483	1.201	ug/l #	39
36) 1,1-Dichloropropene	8.230	75	8744	4.881	ug/l #	48
37) Ethyl Acetate	7.571	43	18418	9.374	ug/l	98
38) Carbon Tetrachloride	8.230	117	11169	5.667	ug/l #	16
42) 1,2-Dichloroethane	8.694	62	480	0.241	ug/l #	75
43) Isopropyl Acetate	8.694	43	79066	25.943	ug/l #	92
45) 1,2-Dichloropropane	9.747	63	1191	0.912	ug/l #	42
48) Methyl methacrylate	9.741	41	73981	52.919	ug/l #	34
51) 4-Methyl-2-Pentanone	10.447	43	3499	1.779	ug/l	91
53) t-1,3-Dichloropropene	10.724	75	464	0.223	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	32972	14.953	ug/l #	65
56) Ethyl methacrylate	10.988	69	946	0.427	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	4766	1.968	ug/l #	42
59) 2-Hexanone	11.200	43	50670	33.947	ug/l #	51
71) Bromoform	12.847	173	859	0.785	ug/l #	1
74) N-amyl acetate	12.482	43	794	0.352	ug/l #	38
76) 1,2,3-Trichloropropane	12.847	75	42902	26.580	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	42902	68.230	ug/l #	10
95) Naphthalene	15.641	128	882	0.204	ug/l #	69

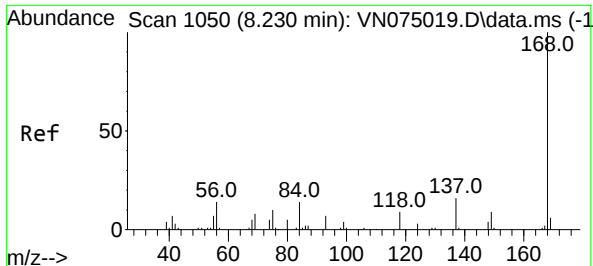
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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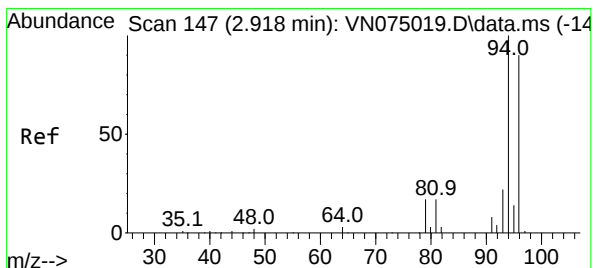
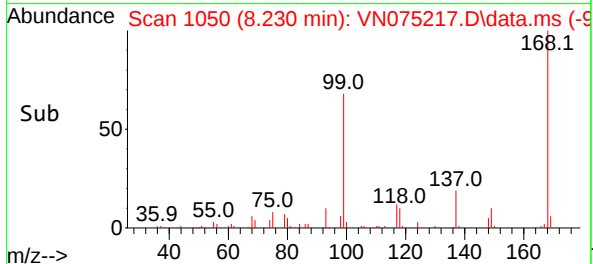
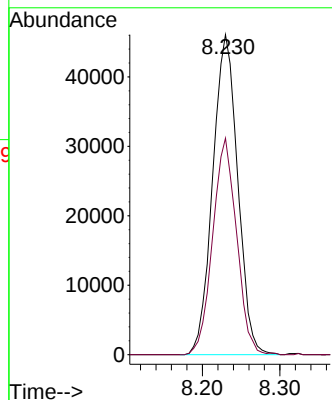
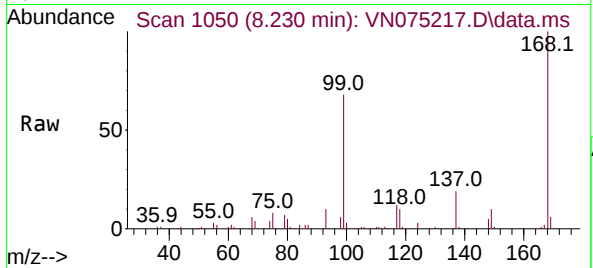




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN075217.D
Acq: 09 Nov 2022 15:05

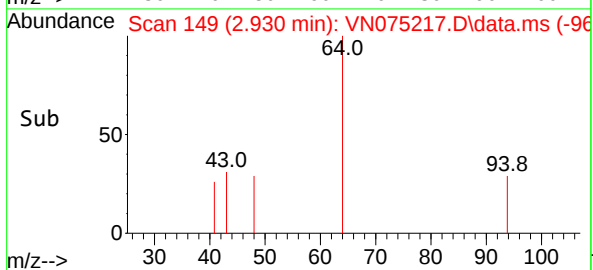
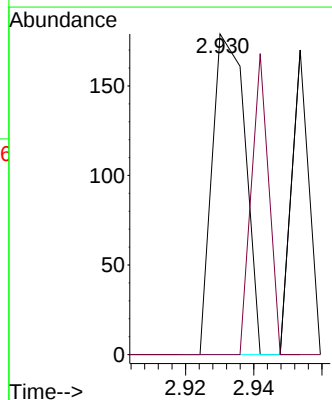
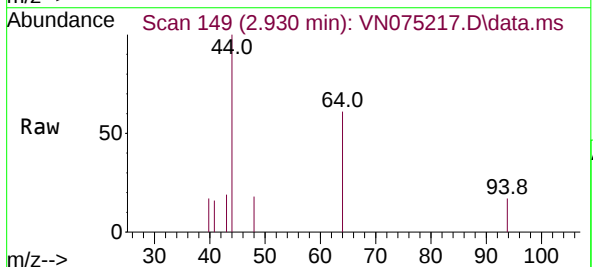
Instrument :
MSVOA_N
ClientSampleId :
PB148908ZHE#03

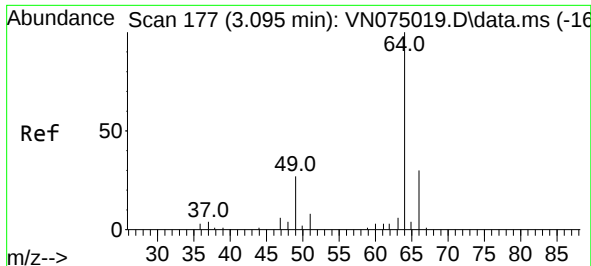
Tgt Ion:168 Resp: 103161
Ion Ratio Lower Upper
168 100
99 67.6 51.6 77.4



#5
Bromomethane
Concen: Below Cal
RT: 2.930 min Scan# 149
Delta R.T. 0.012 min
Lab File: VN075217.D
Acq: 09 Nov 2022 15:05

Tgt Ion: 94 Resp: 120
Ion Ratio Lower Upper
94 100
96 0.0 71.8 107.6#

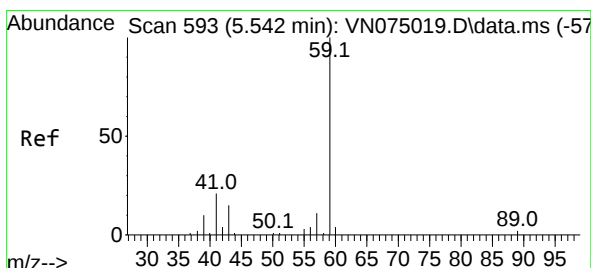
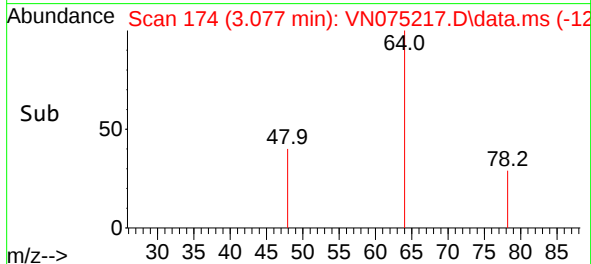
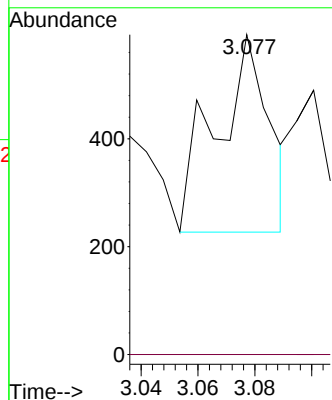
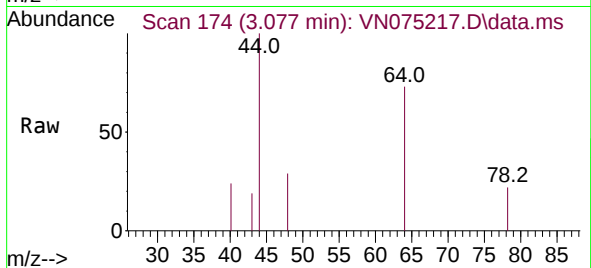




#6
Chloroethane
Concen: 0.326 ug/l
RT: 3.077 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN075217.D
Acq: 09 Nov 2022 15:05

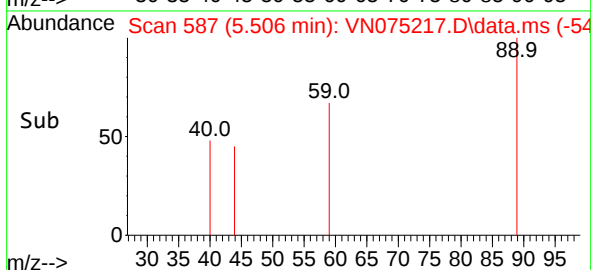
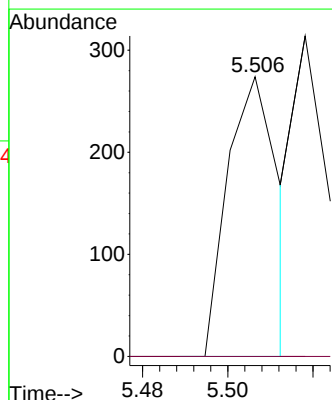
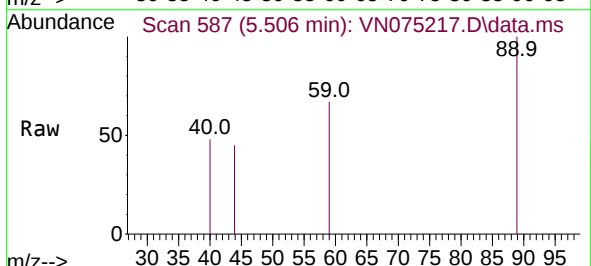
Instrument :
MSVOA_N
ClientSampleId :
PB148908ZHE#03

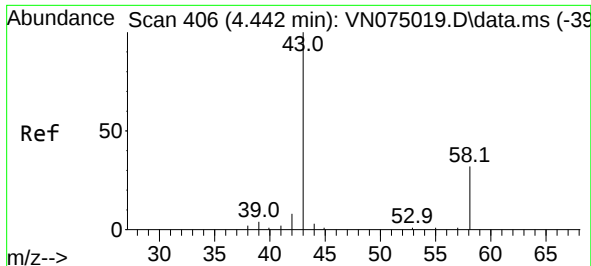
Tgt Ion: 64 Resp: 475
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#



#11
Tert butyl alcohol
Concen: 0.700 ug/l
RT: 5.506 min Scan# 587
Delta R.T. -0.036 min
Lab File: VN075217.D
Acq: 09 Nov 2022 15:05

Tgt Ion: 59 Resp: 227
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

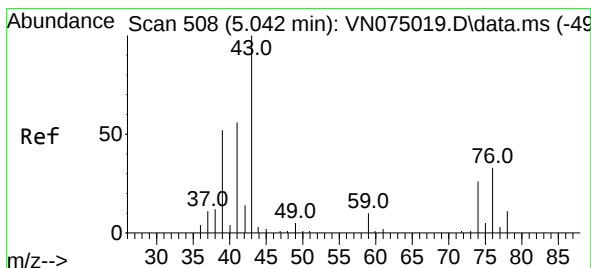
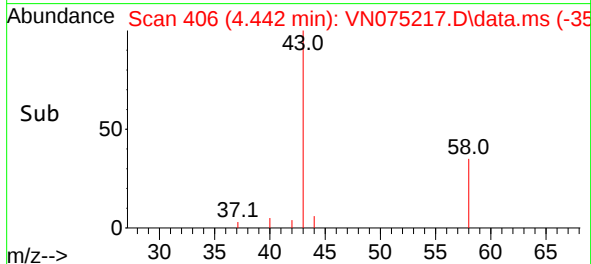
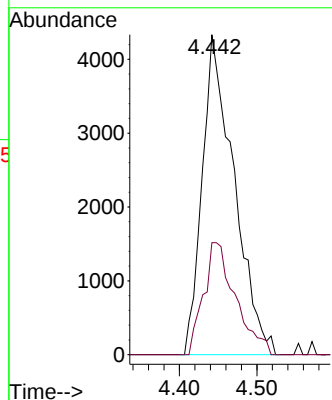
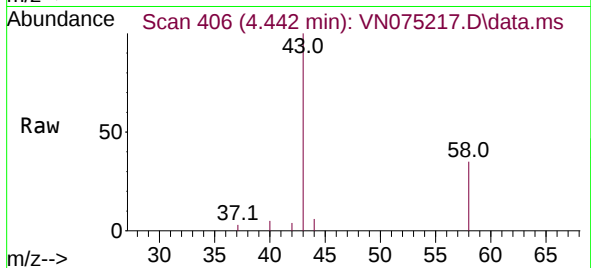




#16
Acetone
Concen: 20.974 ug/l
RT: 4.442 min Scan# 406
Delta R.T. -0.000 min
Lab File: VN075217.D
Acq: 09 Nov 2022 15:05

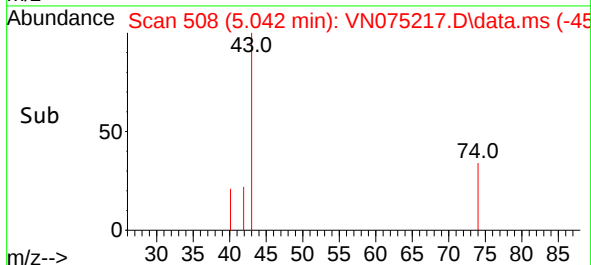
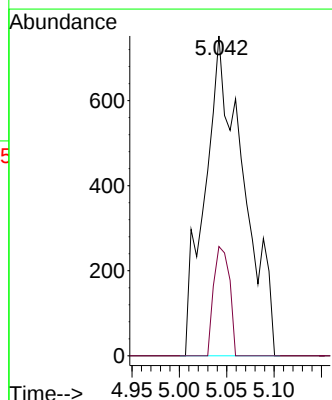
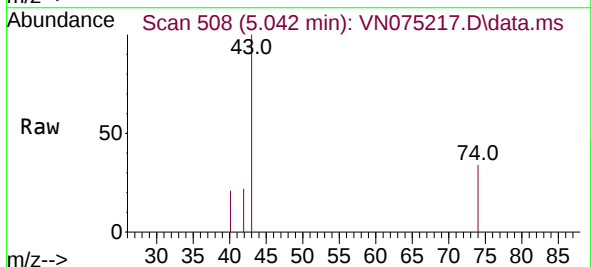
Instrument :
MSVOA_N
ClientSampleId :
PB148908ZHE#03

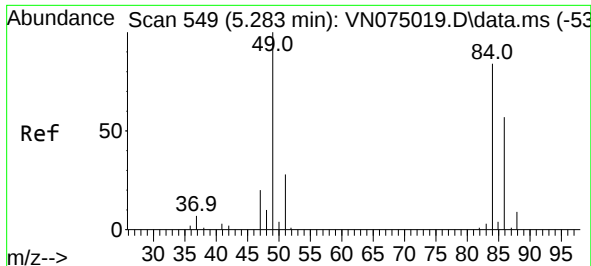
Tgt Ion: 43 Resp: 12344
Ion Ratio Lower Upper
43 100
58 35.0 25.5 38.3



#18
Methyl Acetate
Concen: 1.112 ug/l
RT: 5.042 min Scan# 508
Delta R.T. -0.000 min
Lab File: VN075217.D
Acq: 09 Nov 2022 15:05

Tgt Ion: 43 Resp: 2138
Ion Ratio Lower Upper
43 100
74 13.8 22.0 33.0#

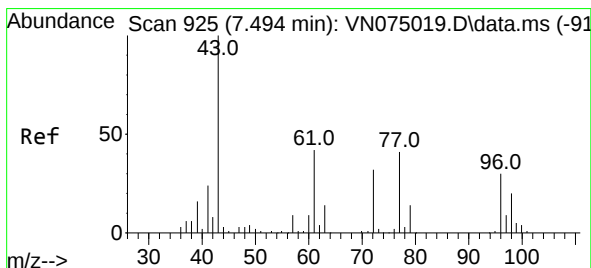
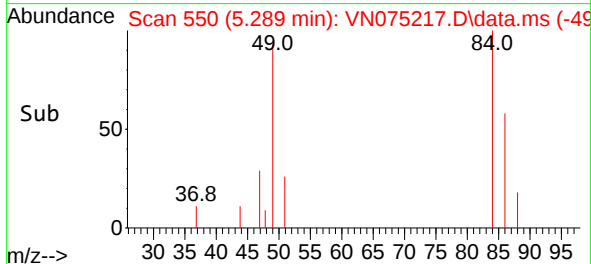
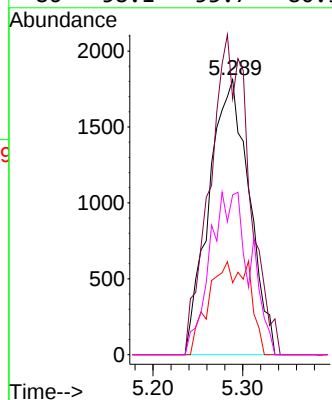
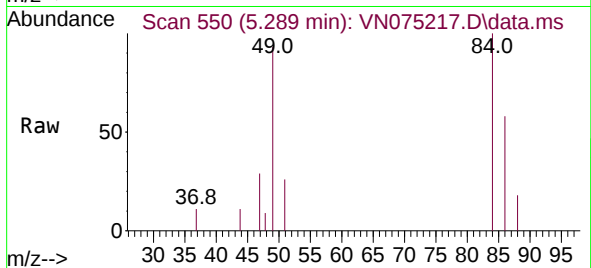




#20
Methylene Chloride
Concen: 4.288 ug/l
RT: 5.289 min Scan# 511
Delta R.T. 0.006 min
Lab File: VN075217.D
Acq: 09 Nov 2022 15:05

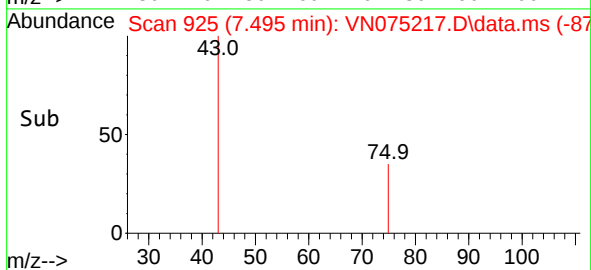
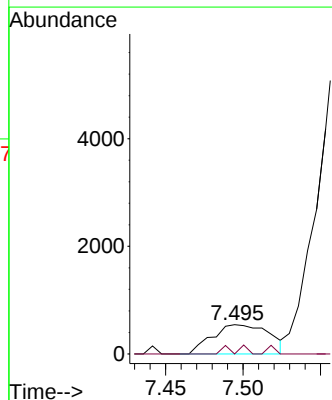
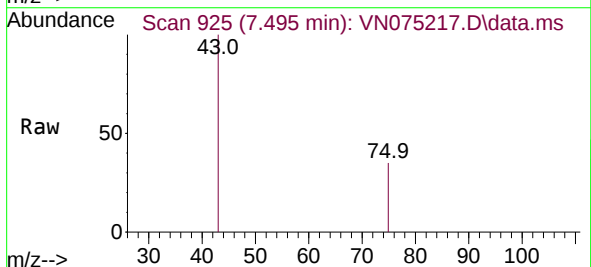
Instrument :
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ClientSampleId :
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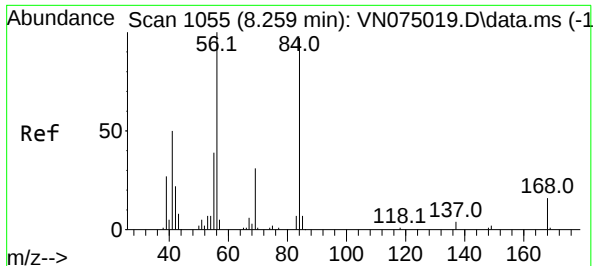
Tgt Ion:	84	Resp:	5627
Ion	Ratio	Lower	Upper
84	100		
49	93.0	94.9	142.3#
51	26.2	26.8	40.2#
86	58.1	53.7	80.5



#25
2-Butanone
Concen: 1.512 ug/l
RT: 7.495 min Scan# 925
Delta R.T. 0.001 min
Lab File: VN075217.D
Acq: 09 Nov 2022 15:05

Tgt Ion:	43	Resp:	1400
Ion	Ratio	Lower	Upper
43	100		
72	0.0	25.5	38.3#

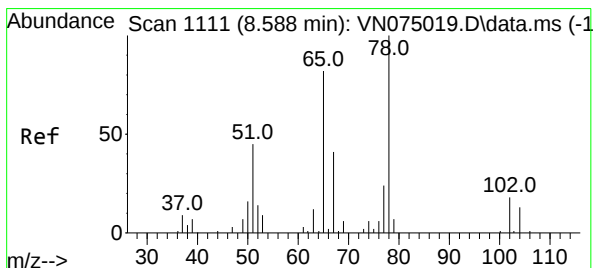
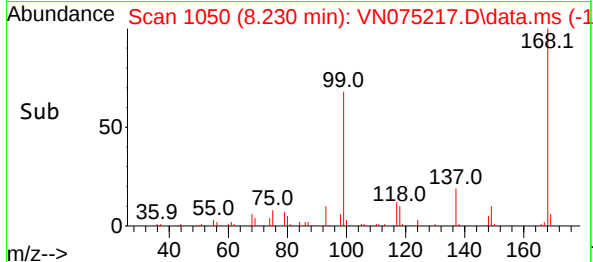
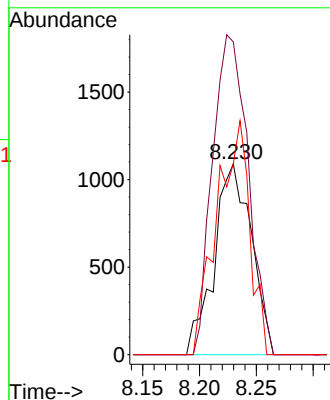
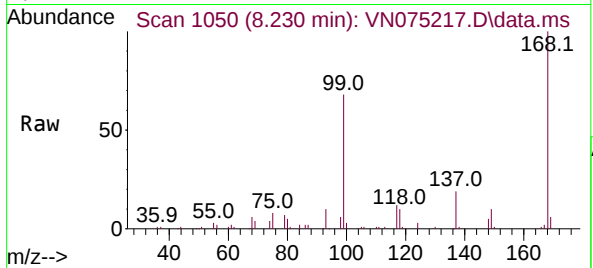




#31
Cyclohexane
Concen: 1.201 ug/l
RT: 8.230 min Scan# 1105
Delta R.T. -0.029 min
Lab File: VN075217.D
Acq: 09 Nov 2022 15:05

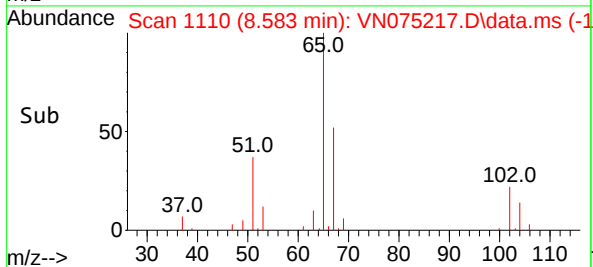
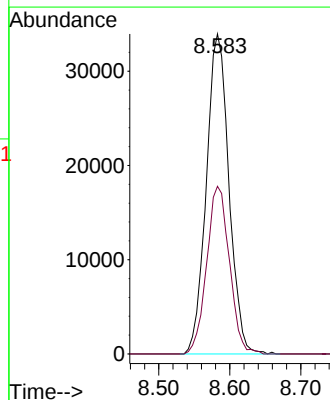
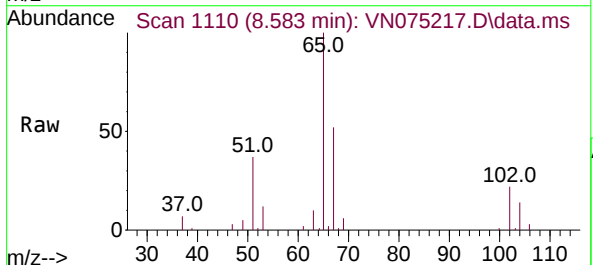
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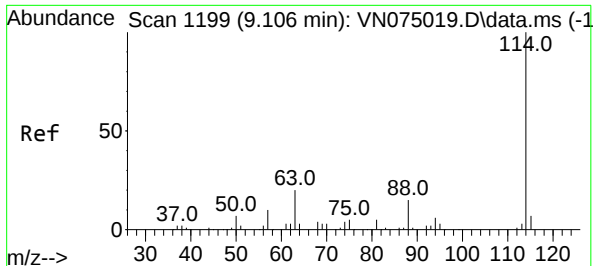
Tgt Ion: 56 Resp: 2483
Ion Ratio Lower Upper
56 100
69 163.9 25.2 37.8#
84 100.0 77.8 116.8



#33
1,2-Dichloroethane-d4
Concen: 54.041 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. -0.005 min
Lab File: VN075217.D
Acq: 09 Nov 2022 15:05

Tgt Ion: 65 Resp: 75115
Ion Ratio Lower Upper
65 100
67 52.7 0.0 102.0

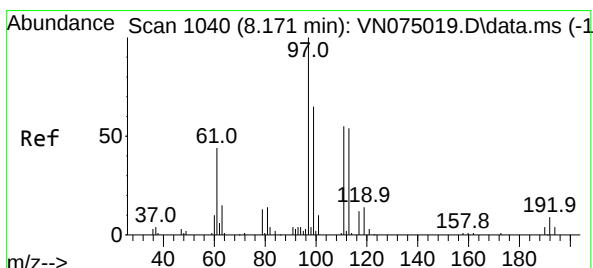
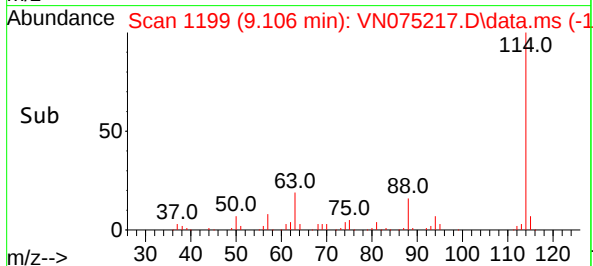
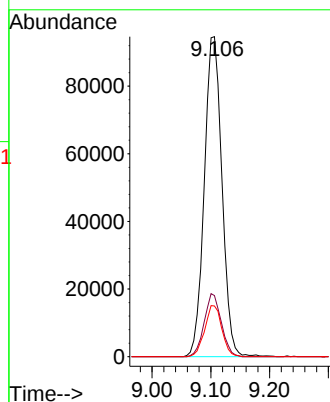
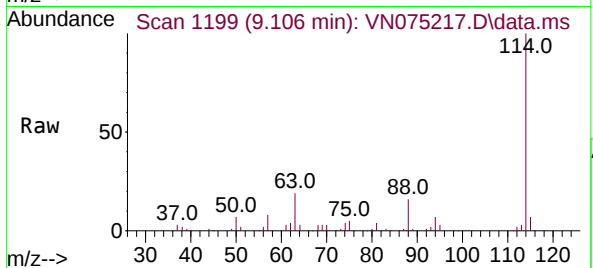




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN075217.D
Acq: 09 Nov 2022 15:05

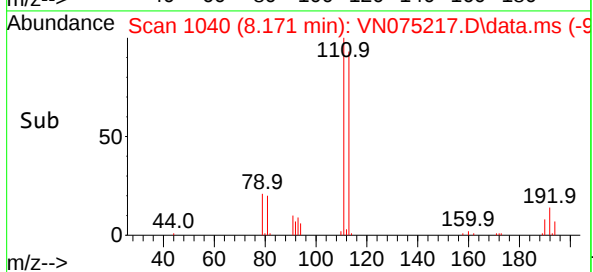
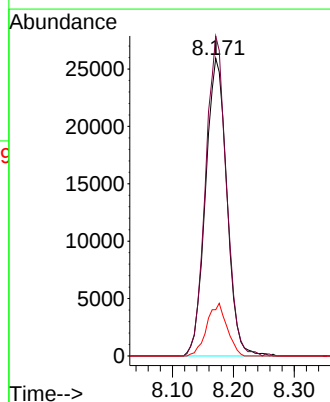
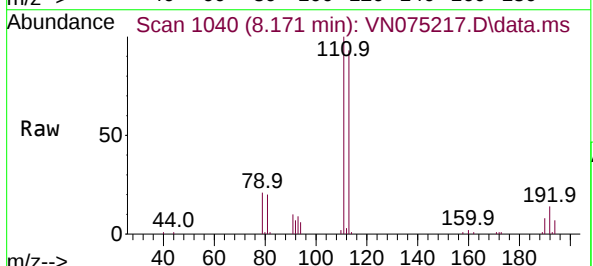
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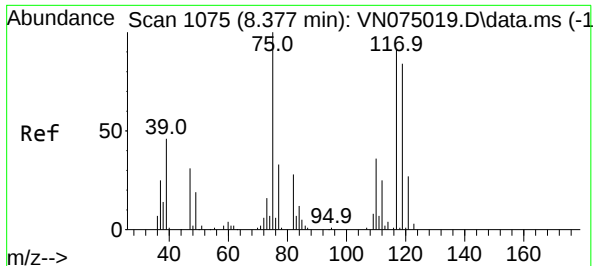
Tgt Ion:114 Resp: 197126
Ion Ratio Lower Upper
114 100
63 19.1 0.0 39.6
88 15.8 0.0 29.0



#35
Dibromofluoromethane
Concen: 54.522 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN075217.D
Acq: 09 Nov 2022 15:05

Tgt Ion:113 Resp: 63094
Ion Ratio Lower Upper
113 100
111 104.5 80.5 120.7
192 16.7 13.2 19.8





#36

1,1-Dichloropropene

Concen: 4.881 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN075217.D

Acq: 09 Nov 2022 15:05

Instrument :

MSVOA_N

ClientSampleId :

PB148908ZHE#03

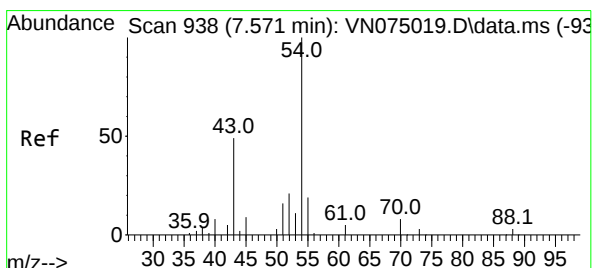
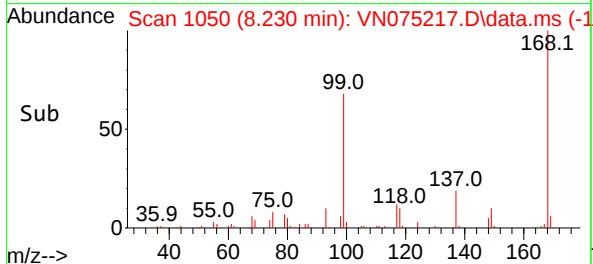
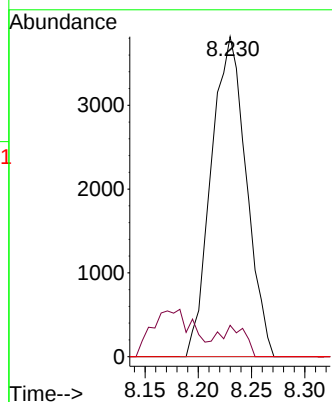
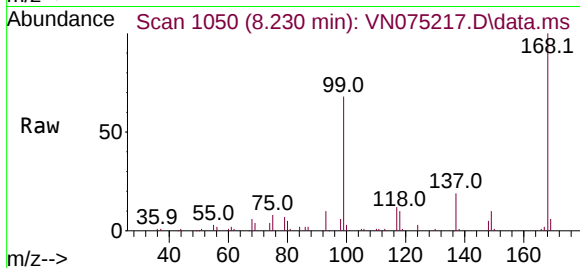
Tgt Ion: 75 Resp: 8744

Ion Ratio Lower Upper

75 100

110 6.9 17.8 53.3#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 9.374 ug/l

RT: 7.571 min Scan# 938

Delta R.T. -0.000 min

Lab File: VN075217.D

Acq: 09 Nov 2022 15:05

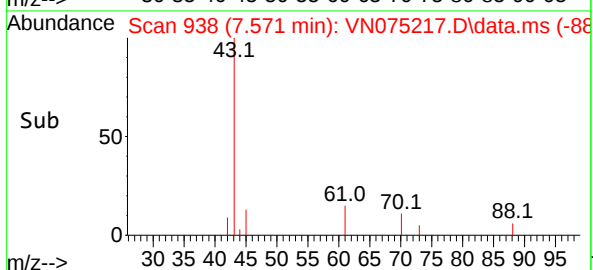
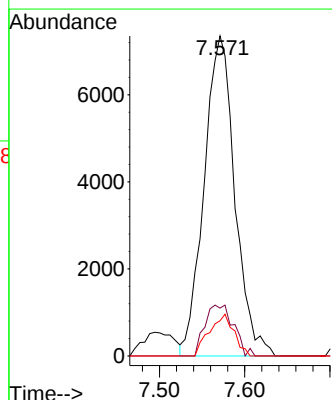
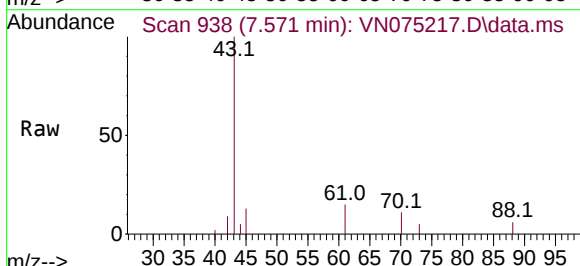
Tgt Ion: 43 Resp: 18418

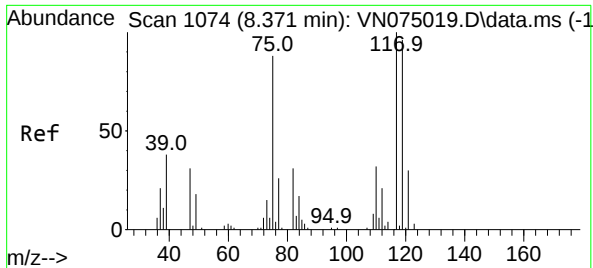
Ion Ratio Lower Upper

43 100

61 14.9 12.2 18.4

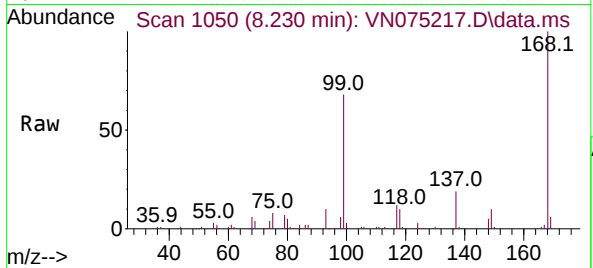
70 10.4 9.4 14.2



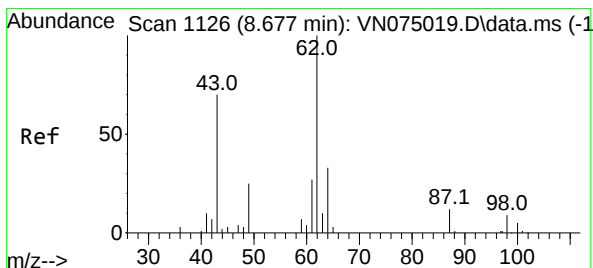
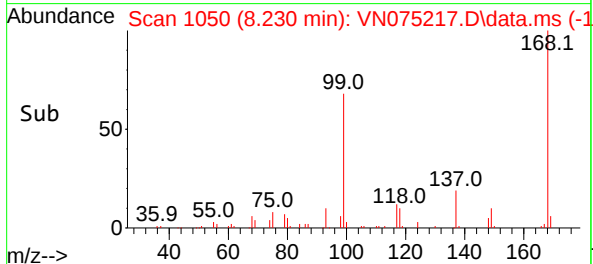
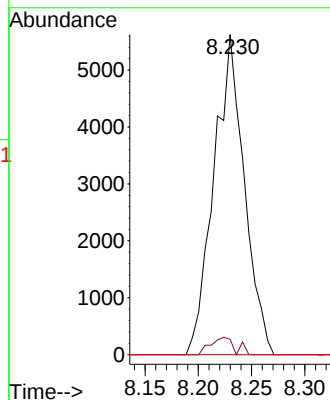


#38
Carbon Tetrachloride
Concen: 5.667 ug/l
RT: 8.230 min Scan# 11169
Delta R.T. -0.141 min
Lab File: VN075217.D
Acq: 09 Nov 2022 15:05

Instrument :
MSVOA_N
ClientSampleId :
PB148908ZHE#03

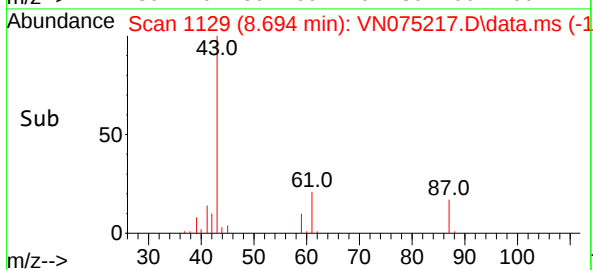
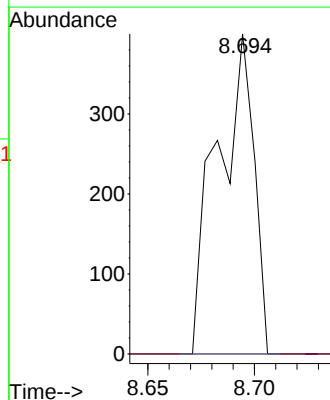
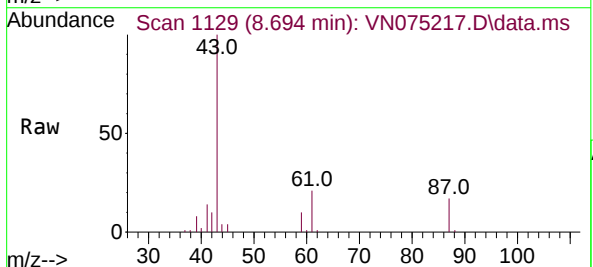


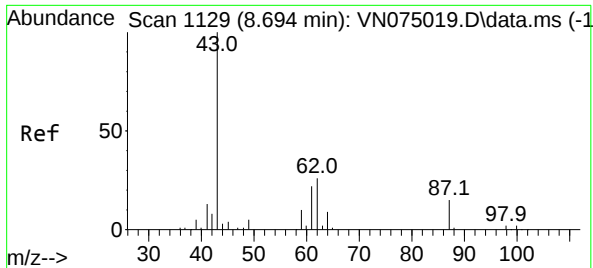
Tgt Ion:117 Resp: 11169
Ion Ratio Lower Upper
117 100
119 4.8 76.7 115.1#
121 0.0 23.9 35.9#



#42
1,2-Dichloroethane
Concen: 0.241 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.017 min
Lab File: VN075217.D
Acq: 09 Nov 2022 15:05

Tgt Ion: 62 Resp: 480
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2

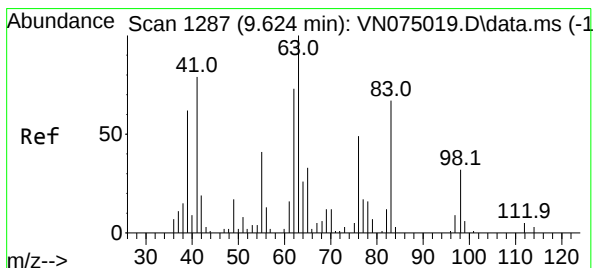
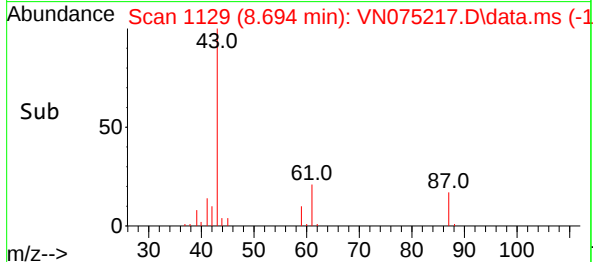
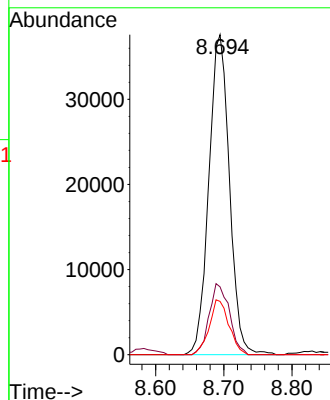
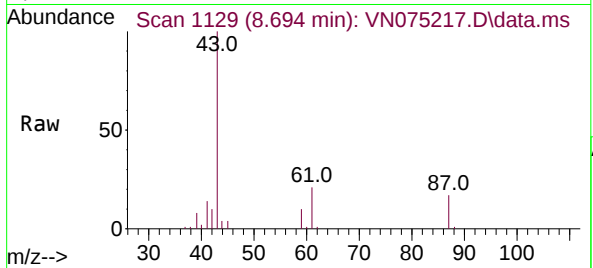




#43
Isopropyl Acetate
Concen: 25.943 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN075217.D
Acq: 09 Nov 2022 15:05

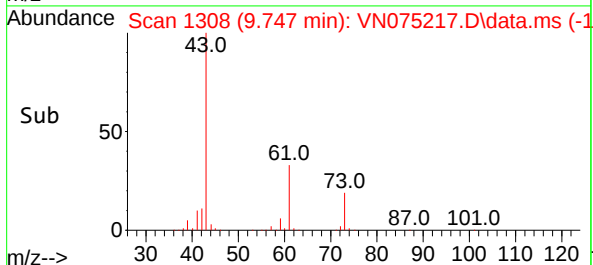
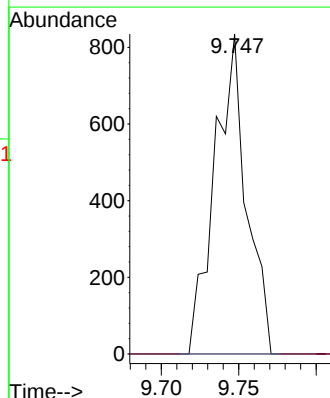
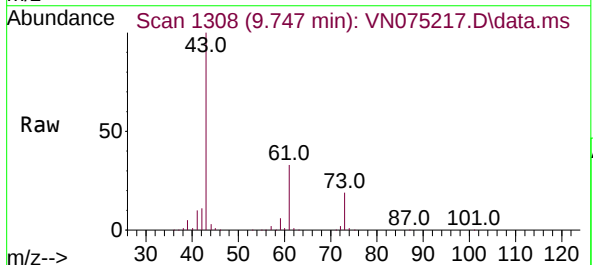
Instrument :
MSVOA_N
ClientSampleId :
PB148908ZHE#03

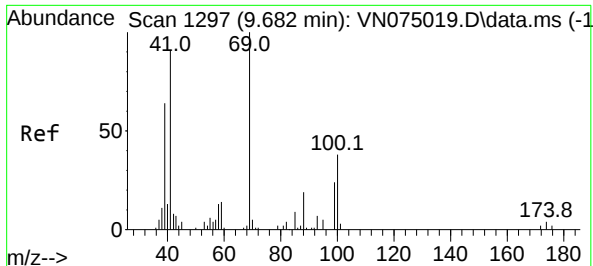
Tgt Ion: 43 Resp: 79066
Ion Ratio Lower Upper
43 100
61 21.8 22.4 33.6#
87 16.4 12.5 18.7



#45
1,2-Dichloropropane
Concen: 0.912 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.123 min
Lab File: VN075217.D
Acq: 09 Nov 2022 15:05

Tgt Ion: 63 Resp: 1191
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#





#48

Methyl methacrylate

Concen: 52.919 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.059 min

Lab File: VN075217.D

Acq: 09 Nov 2022 15:05

Instrument :

MSVOA_N

ClientSampleId :

PB148908ZHE#03

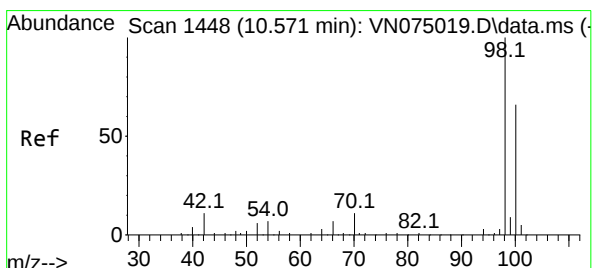
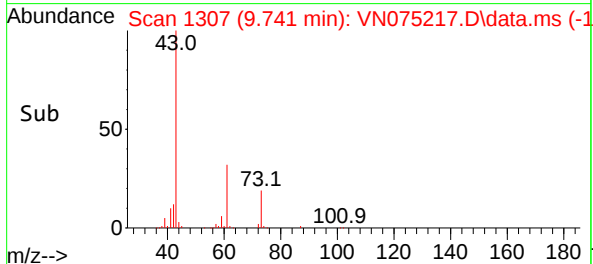
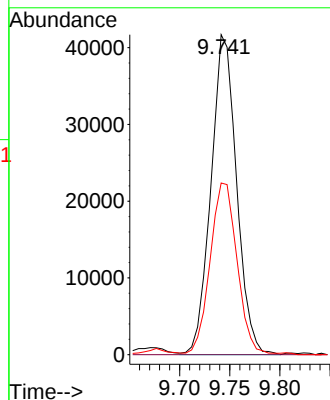
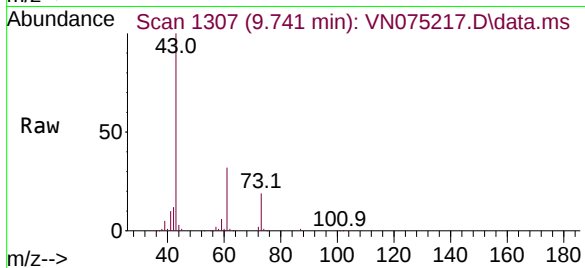
Tgt Ion: 41 Resp: 73981

Ion Ratio Lower Upper

41 100

69 0.0 80.2 120.2#

39 55.6 56.2 84.2#



#50

Toluene-d8

Concen: 53.244 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. -0.000 min

Lab File: VN075217.D

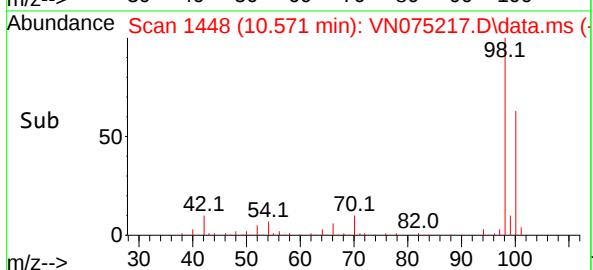
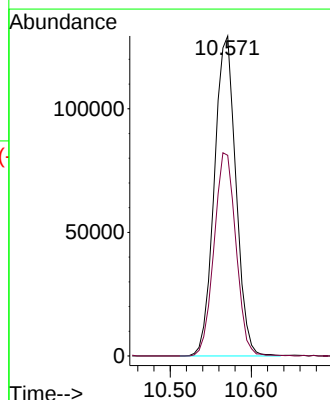
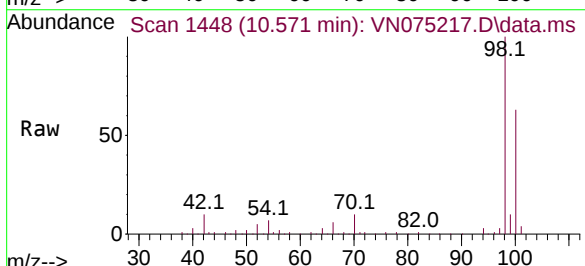
Acq: 09 Nov 2022 15:05

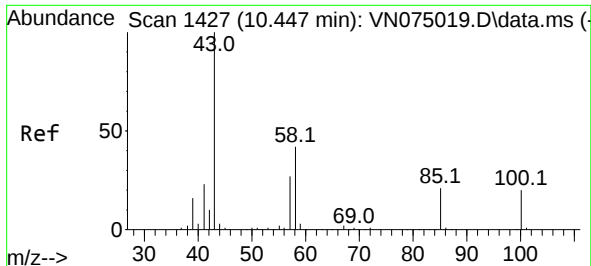
Tgt Ion: 98 Resp: 239050

Ion Ratio Lower Upper

98 100

100 64.4 53.0 79.6

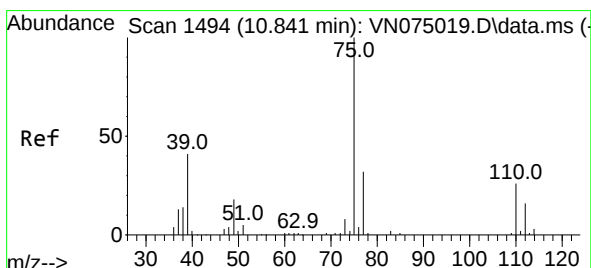
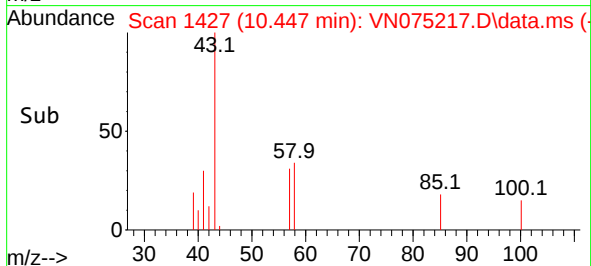
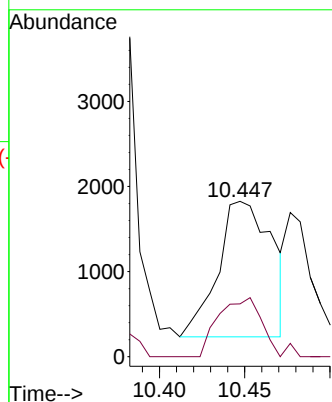
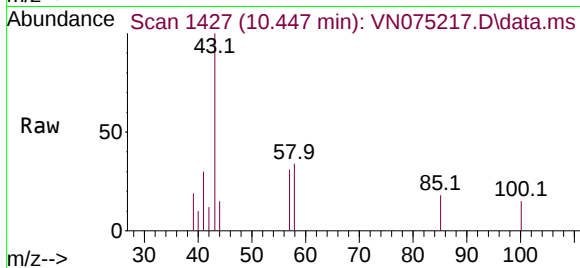




#51
4-Methyl-2-Pentanone
Concen: 1.779 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN075217.D
Acq: 09 Nov 2022 15:05

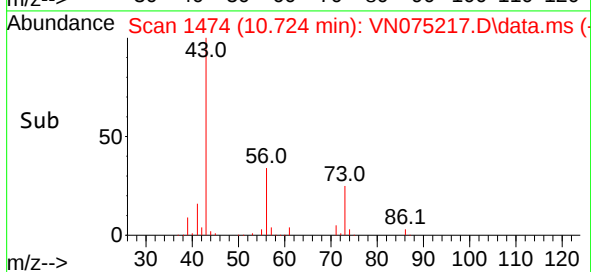
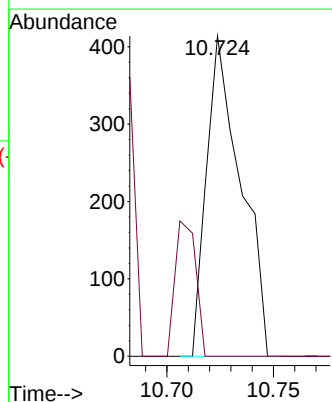
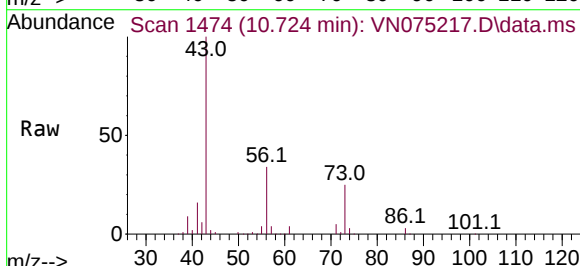
Instrument :
MSVOA_N
ClientSampleId :
PB148908ZHE#03

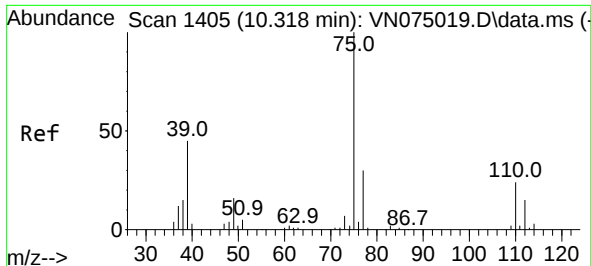
Tgt Ion: 43 Resp: 3499
Ion Ratio Lower Upper
43 100
58 36.3 33.6 50.4



#53
t-1,3-Dichloropropene
Concen: 0.223 ug/l
RT: 10.724 min Scan# 1474
Delta R.T. -0.117 min
Lab File: VN075217.D
Acq: 09 Nov 2022 15:05

Tgt Ion: 75 Resp: 464
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#

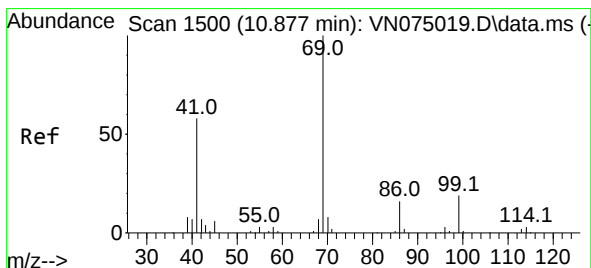
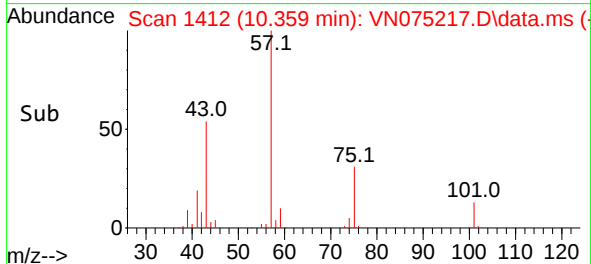
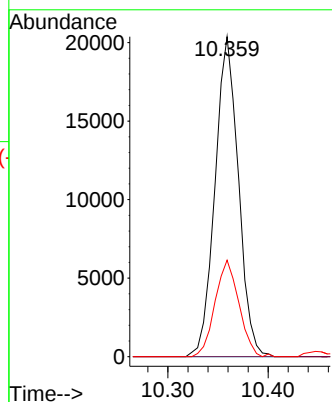
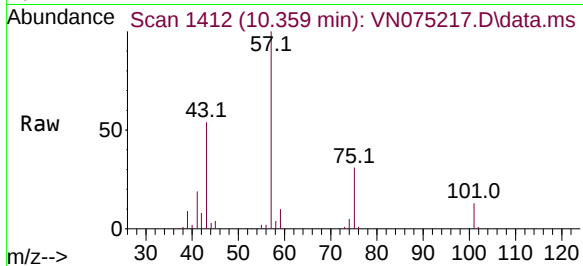




#54
 cis-1,3-Dichloropropene
 Concen: 14.953 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.041 min
 Lab File: VN075217.D
 Acq: 09 Nov 2022 15:05

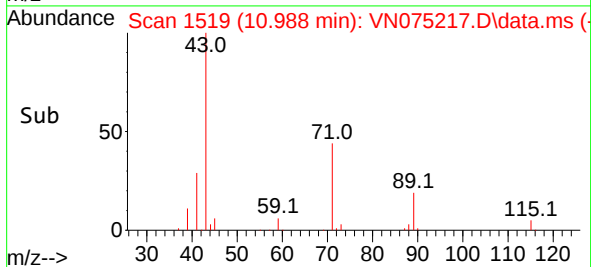
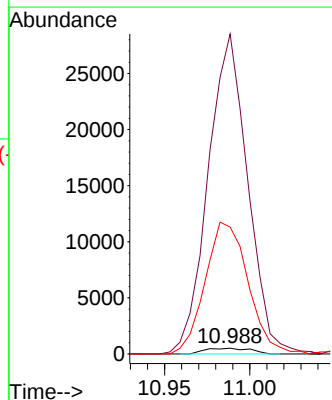
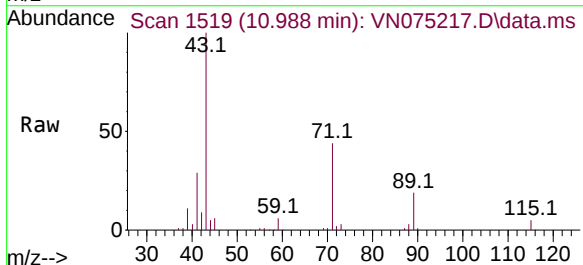
Instrument :
 MSVOA_N
 ClientSampleId :
 PB148908ZHE#03

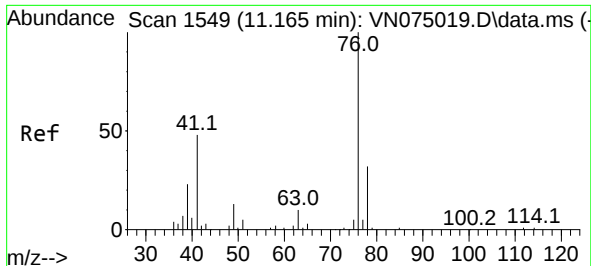
Tgt Ion: 75 Resp: 32972
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.7 35.5#
 39 30.2 35.8 53.6#



#56
 Ethyl methacrylate
 Concen: 0.427 ug/l
 RT: 10.988 min Scan# 1519
 Delta R.T. 0.111 min
 Lab File: VN075217.D
 Acq: 09 Nov 2022 15:05

Tgt Ion: 69 Resp: 946
 Ion Ratio Lower Upper
 69 100
 41 4885.5 45.6 68.4#
 39 2177.4 28.5 42.7#





#57

1,3-Dichloropropane

Concen: 1.968 ug/l

RT: 11.206 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN075217.D

Acq: 09 Nov 2022 15:05

Instrument :

MSVOA_N

ClientSampleId :

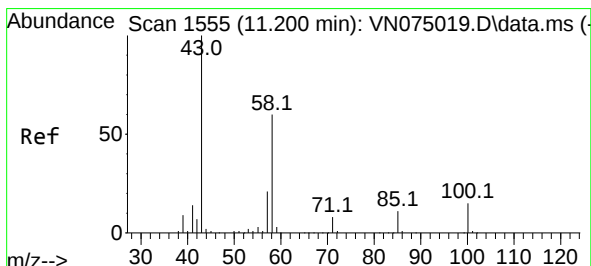
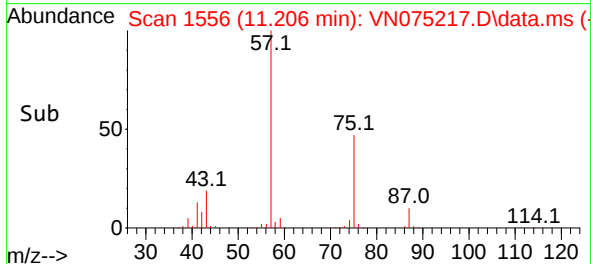
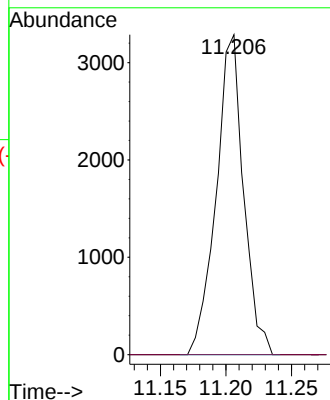
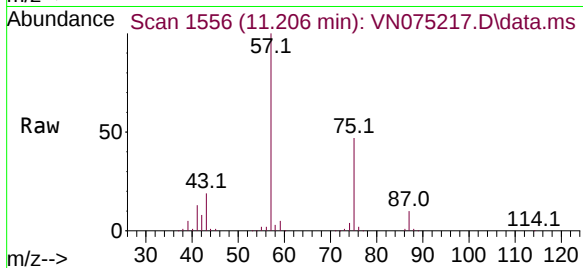
PB148908ZHE#03

Tgt Ion: 76 Resp: 4766

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 33.947 ug/l

RT: 11.200 min Scan# 1555

Delta R.T. 0.000 min

Lab File: VN075217.D

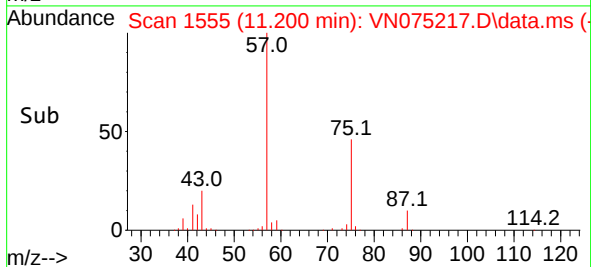
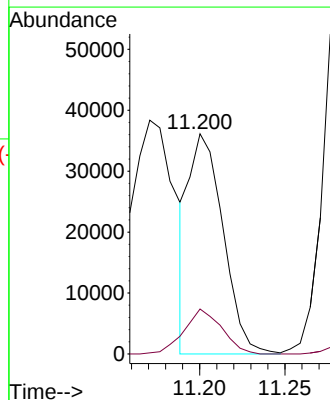
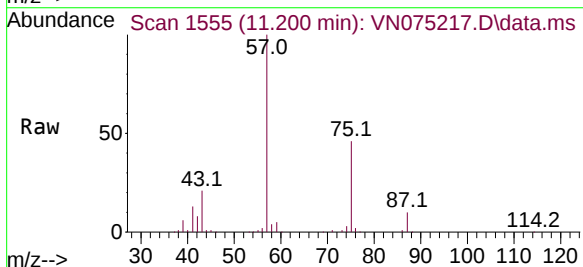
Acq: 09 Nov 2022 15:05

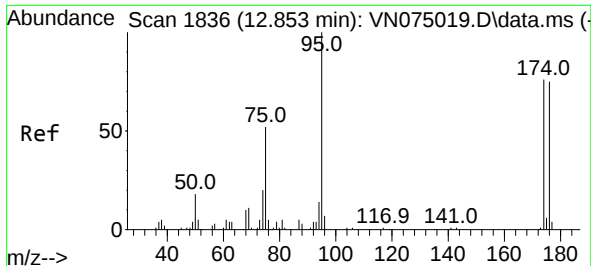
Tgt Ion: 43 Resp: 50670

Ion Ratio Lower Upper

43 100

58 22.4 29.6 88.8#





#62

4-Bromofluorobenzene

Concen: 50.677 ug/l

RT: 12.847 min Scan# 1835

Delta R.T. -0.006 min

Lab File: VN075217.D

Acq: 09 Nov 2022 15:05

Instrument :

MSVOA_N

ClientSampleId :

PB148908ZHE#03

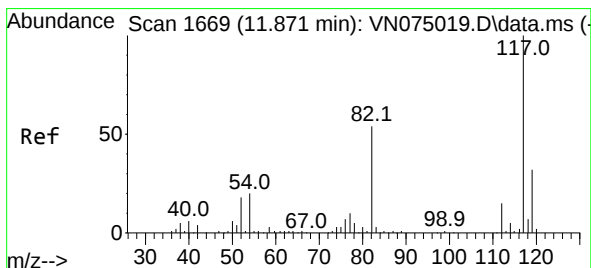
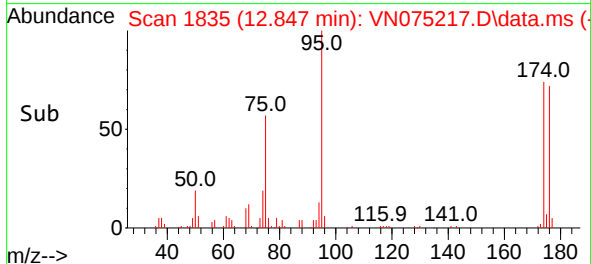
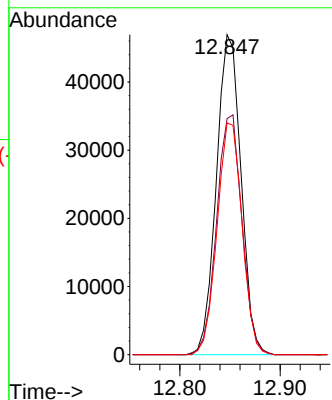
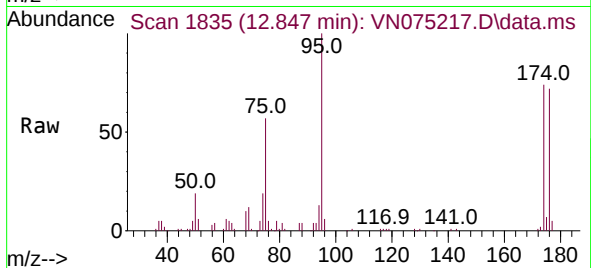
Tgt Ion: 95 Resp: 79926

Ion Ratio Lower Upper

95 100

174 77.1 0.0 147.4

176 73.5 0.0 142.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1668

Delta R.T. -0.006 min

Lab File: VN075217.D

Acq: 09 Nov 2022 15:05

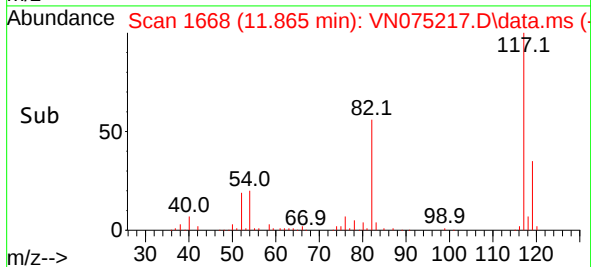
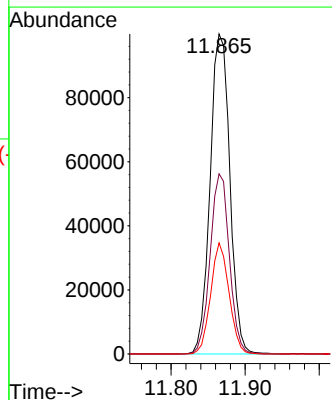
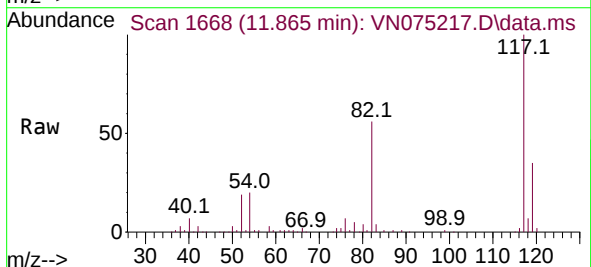
Tgt Ion: 117 Resp: 184583

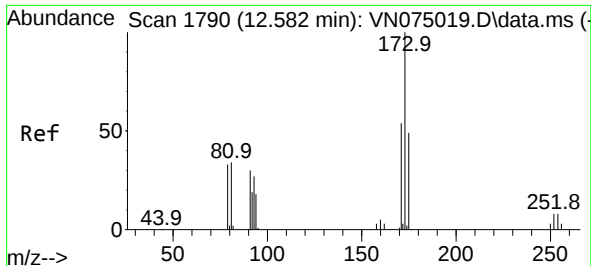
Ion Ratio Lower Upper

117 100

82 56.3 43.1 64.7

119 34.7 25.5 38.3

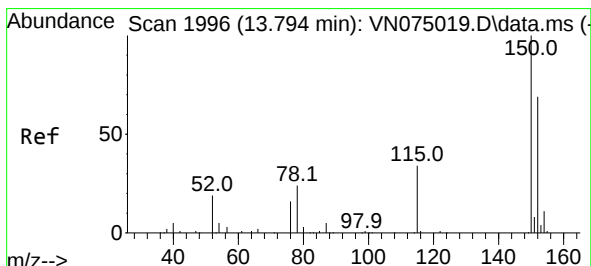
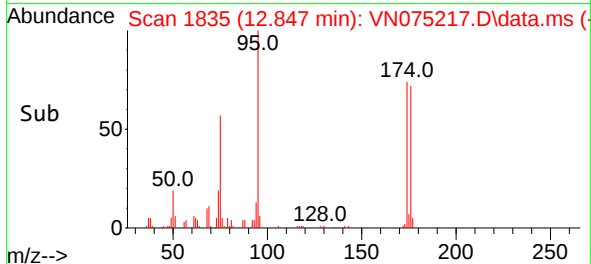
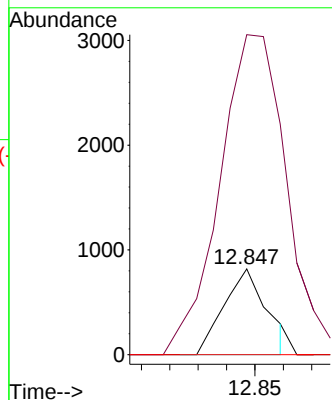
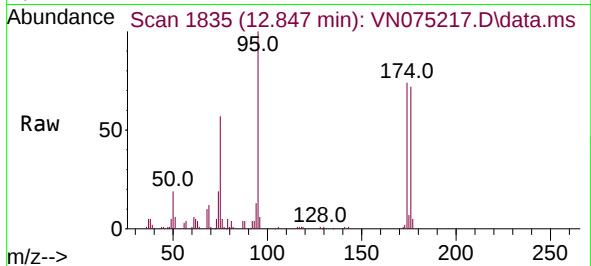




#71
Bromoform
Concen: 0.785 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN075217.D
Acq: 09 Nov 2022 15:05

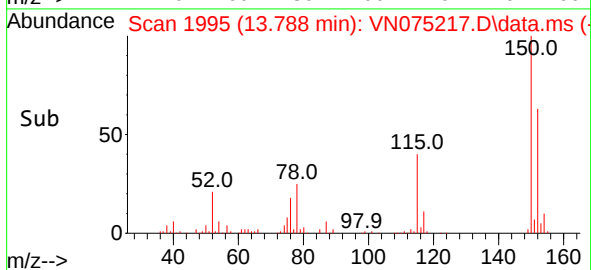
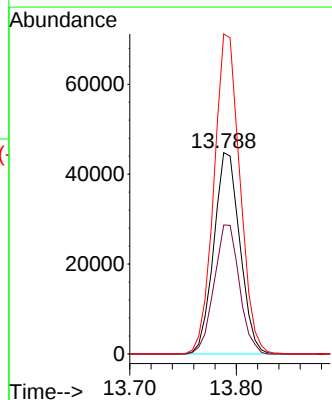
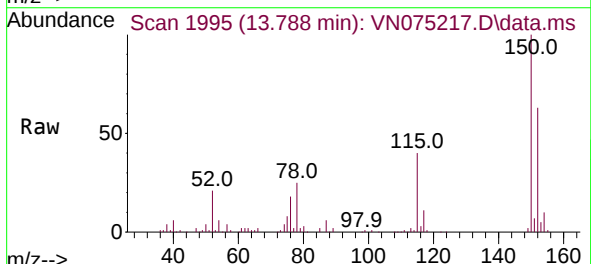
Instrument :
MSVOA_N
ClientSampleId :
PB148908ZHE#03

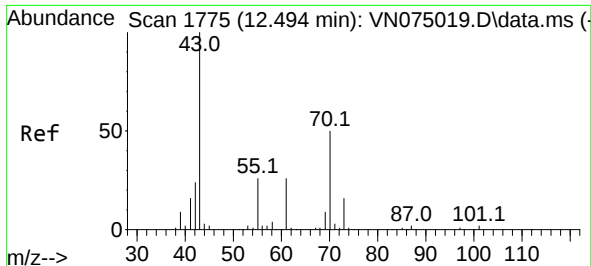
Tgt Ion:173 Resp: 859
Ion Ratio Lower Upper
173 100
175 519.6 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 1995
Delta R.T. -0.006 min
Lab File: VN075217.D
Acq: 09 Nov 2022 15:05

Tgt Ion:152 Resp: 76019
Ion Ratio Lower Upper
152 100
115 62.3 30.2 90.6
150 158.4 0.0 348.4

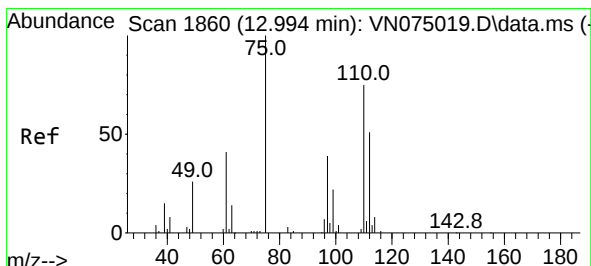
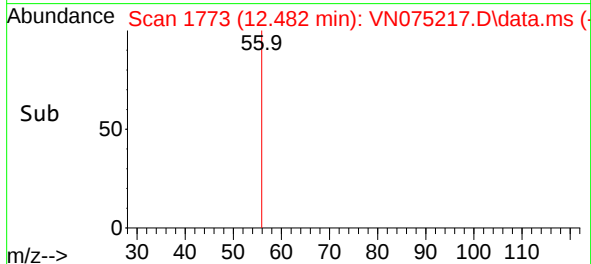
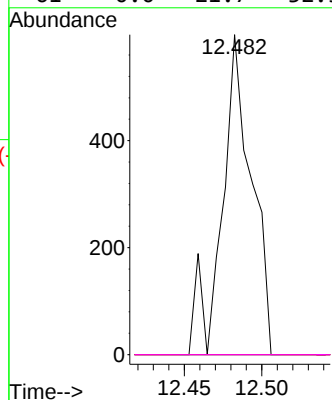
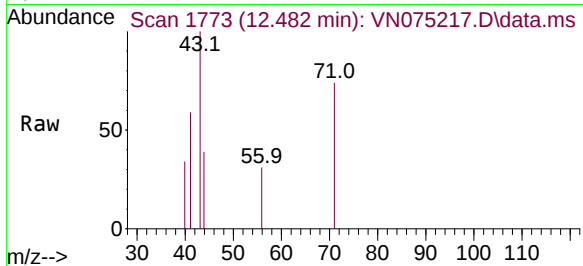




#74
N-amy1 acetate
Concen: 0.352 ug/l
RT: 12.482 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN075217.D
Acq: 09 Nov 2022 15:05

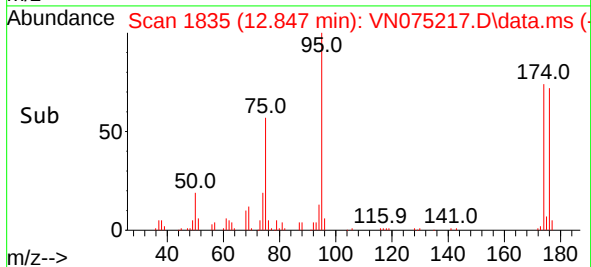
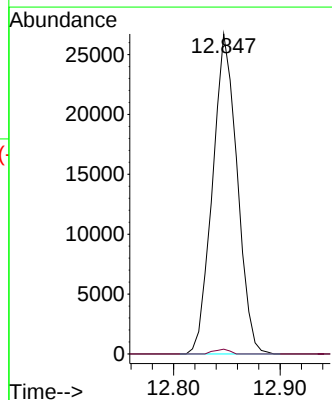
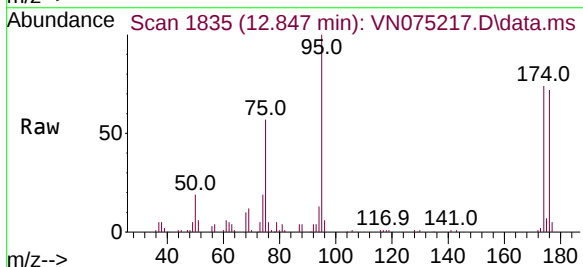
Instrument :
MSVOA_N
ClientSampleId :
PB148908ZHE#03

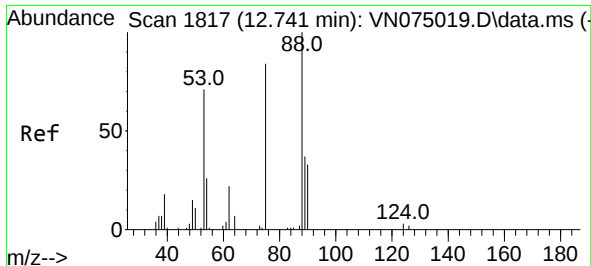
Tgt Ion: 43	Resp:	794
Ion	Ratio	Lower Upper
43	100	
70	0.0	39.8 59.8#
55	0.0	19.9 29.9#
61	0.0	21.7 32.5#



#76
1,2,3-Trichloropropane
Concen: 26.580 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075217.D
Acq: 09 Nov 2022 15:05

Tgt Ion: 75	Resp:	42902
Ion	Ratio	Lower Upper
75	100	
77	0.9	75.6 226.8#

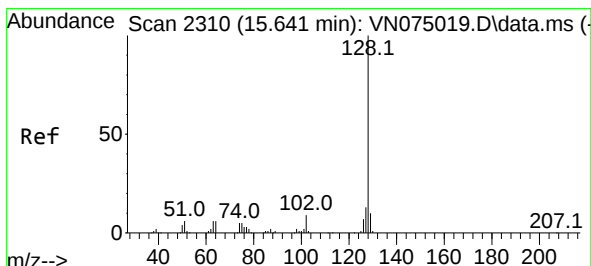
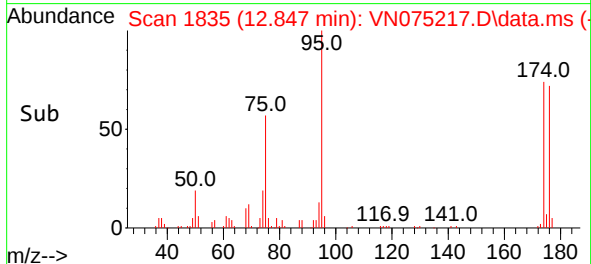
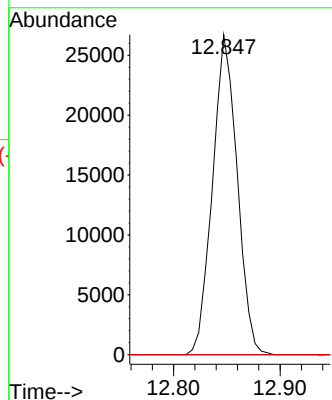
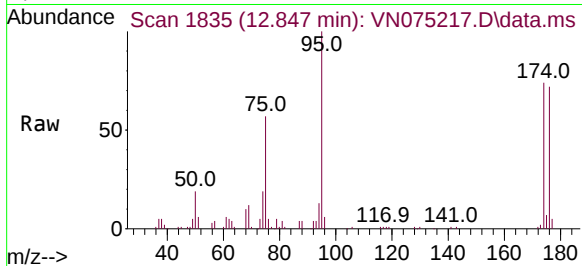




#81
trans-1,4-Dichloro-2-butene
Concen: 68.230 ug/l
RT: 12.847 min Scan# 1817
Delta R.T. 0.106 min
Lab File: VN075217.D
Acq: 09 Nov 2022 15:05

Instrument :
MSVOA_N
ClientSampleId :
PB148908ZHE#03

Tgt Ion: 75 Resp: 42902
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#



#95
Naphthalene
Concen: 0.204 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. 0.000 min
Lab File: VN075217.D
Acq: 09 Nov 2022 15:05

Tgt Ion: 128 Resp: 882
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.6 12.8#

