

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110422\
 Data File : VN075170.D
 Acq On : 04 Nov 2022 13:21
 Operator : JC\MD
 Sample : N5418-14RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-N

Quant Time: Nov 05 06:58:08 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)

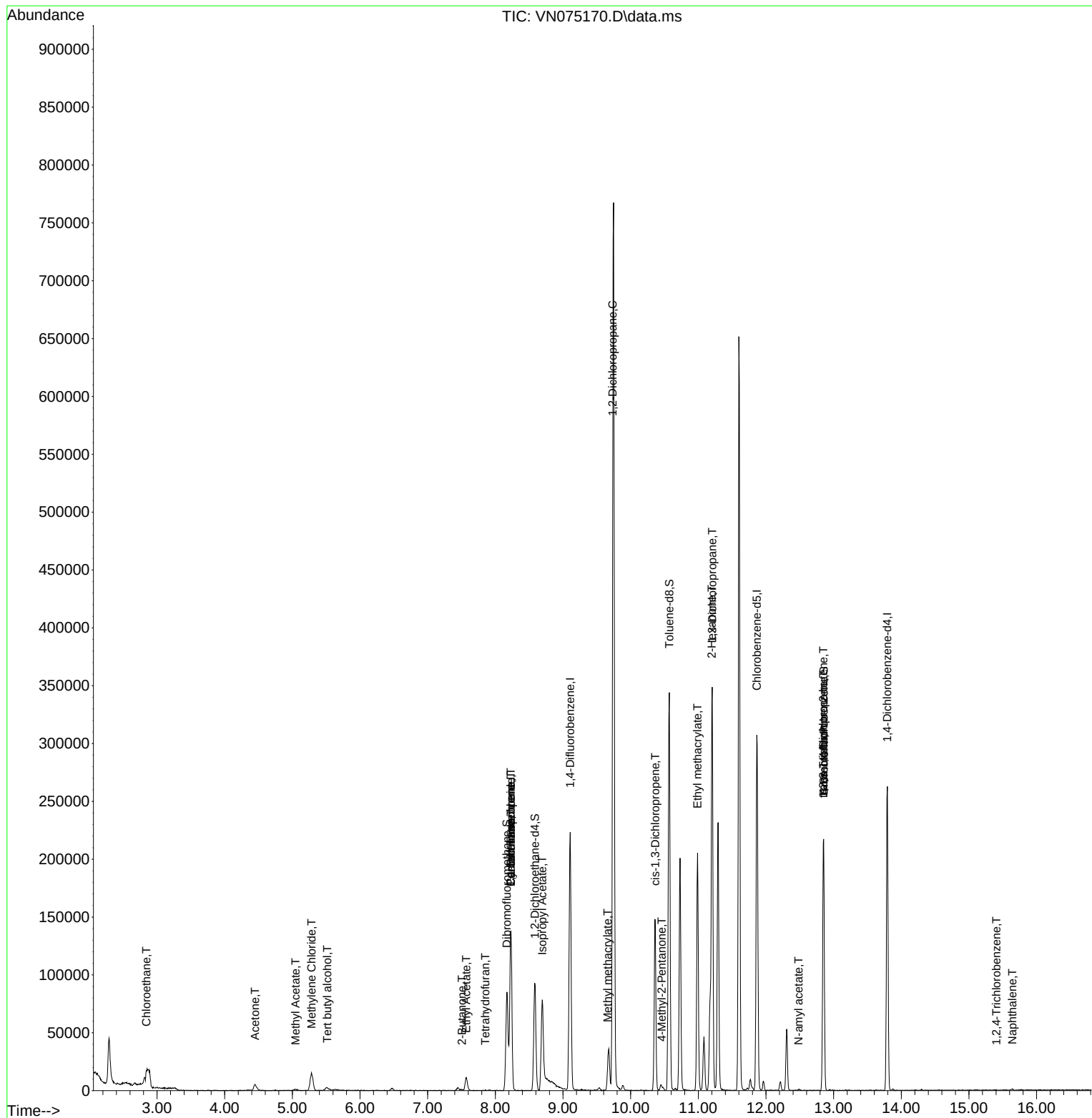
Internal Standards						
1) Pentafluorobenzene	8.230	168	98737	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	192416	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	181105	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	69303	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	78275	58.837	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 117.680%			
35) Dibromofluoromethane	8.171	113	60493	53.554	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.100%			
50) Toluene-d8	10.571	98	241630	55.136	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.280%			
62) 4-Bromofluorobenzene	12.853	95	76593	49.753	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.500%			
Target Compounds					Qvalue	
5) Bromomethane	2.930	94	58	Below Cal	#	59
6) Chloroethane	2.842	64	17375	12.449	ug/l #	57
11) Tert butyl alcohol	5.518	59	2427	7.823	ug/l #	72
16) Acetone	4.447	43	10556	18.739	ug/l	94
18) Methyl Acetate	5.047	43	2439	1.326	ug/l #	53
20) Methylene Chloride	5.283	84	11534	9.183	ug/l	94
25) 2-Butanone	7.506	43	1035	1.168	ug/l #	43
29) Tetrahydrofuran	7.853	42	207	0.362	ug/l #	26
31) Cyclohexane	8.230	56	2379	1.202	ug/l #	19
36) 1,1-Dichloropropene	8.230	75	9124	5.217	ug/l #	49
37) Ethyl Acetate	7.571	43	16769	8.744	ug/l	99
38) Carbon Tetrachloride	8.230	117	11412	5.932	ug/l #	17
43) Isopropyl Acetate	8.694	43	102512	34.459	ug/l #	80
45) 1,2-Dichloropropane	9.735	63	745	0.585	ug/l #	42
48) Methyl methacrylate	9.659	41	2113	1.548	ug/l #	6
51) 4-Methyl-2-Pentanone	10.459	43	3218	1.676	ug/l	94
54) cis-1,3-Dichloropropene	10.365	75	28043	13.029	ug/l #	66
56) Ethyl methacrylate	10.988	69	542	0.250	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	3844	1.626	ug/l #	42
59) 2-Hexanone	11.200	43	46686	32.043	ug/l #	48
71) Bromoform	12.853	173	677	0.631	ug/l #	1
74) N-amyl acetate	12.482	43	533	0.259	ug/l #	38
76) 1,2,3-Trichloropropane	12.847	75	41002	27.864	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	41002	71.527	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.406	180	206	0.201	ug/l #	12
95) Naphthalene	15.641	128	1252	0.317	ug/l #	69

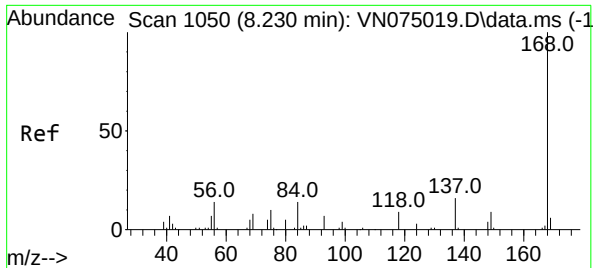
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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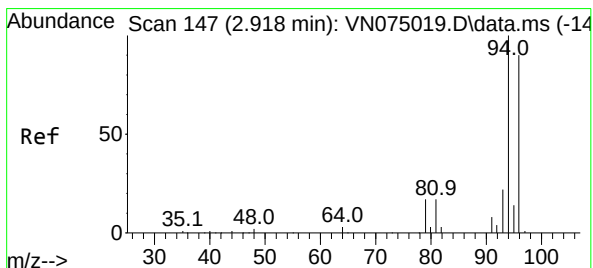
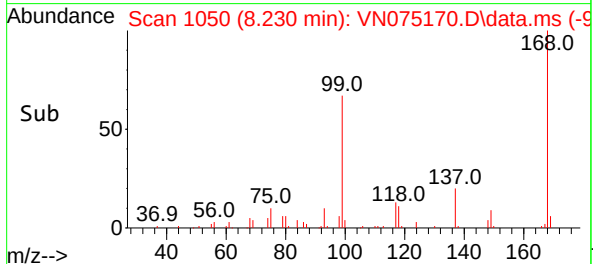
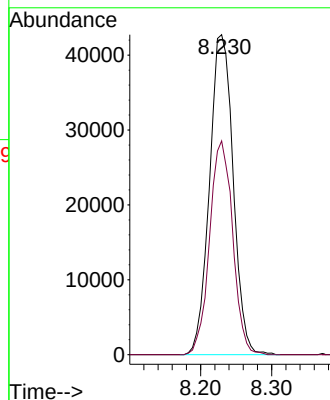
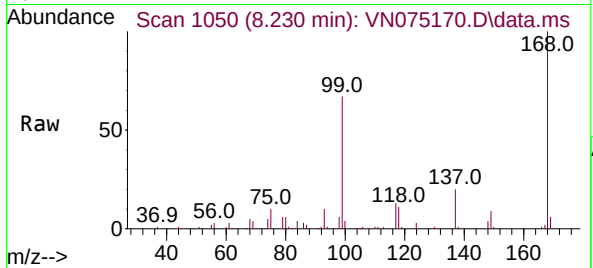




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN075170.D
Acq: 04 Nov 2022 13:21

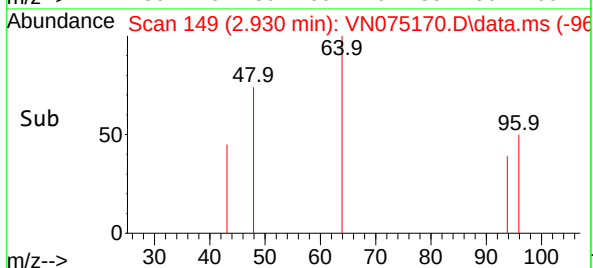
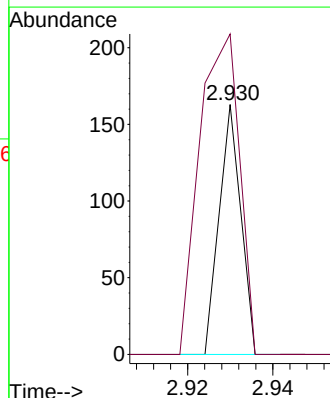
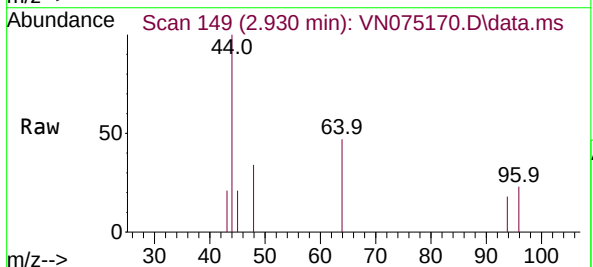
Instrument :
MSVOA_N
ClientSampleId :
TP-N

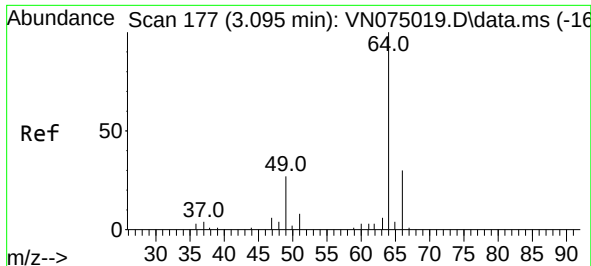
Tgt Ion:168 Resp: 98737
Ion Ratio Lower Upper
168 100
99 66.8 51.6 77.4



#5
Bromomethane
Concen: Below Cal
RT: 2.930 min Scan# 149
Delta R.T. 0.012 min
Lab File: VN075170.D
Acq: 04 Nov 2022 13:21

Tgt Ion: 94 Resp: 58
Ion Ratio Lower Upper
94 100
96 128.2 71.8 107.6#

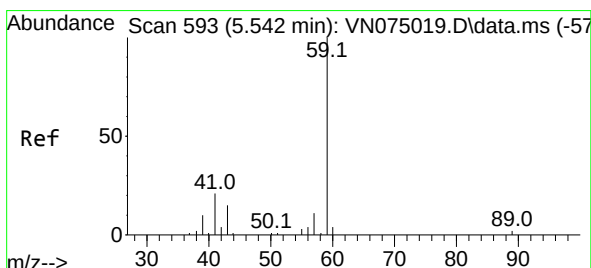
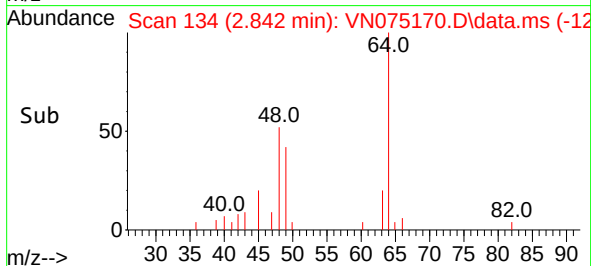
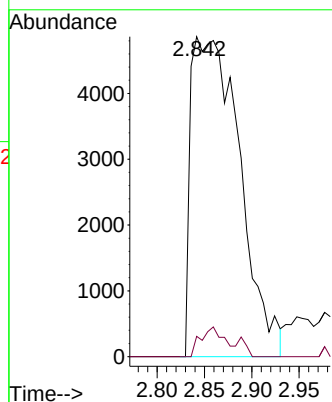
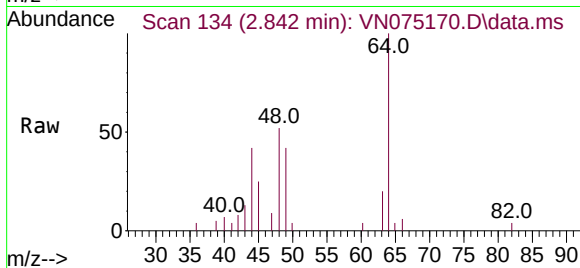




#6
Chloroethane
Concen: 12.449 ug/l
RT: 2.842 min Scan# 11
Delta R.T. -0.253 min
Lab File: VN075170.D
Acq: 04 Nov 2022 13:21

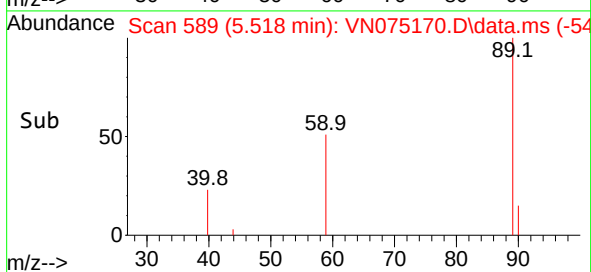
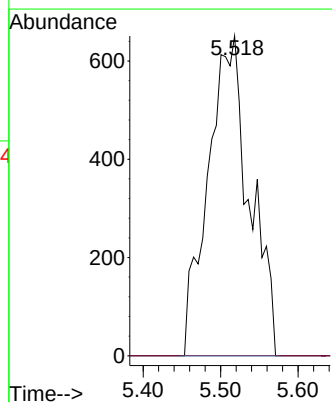
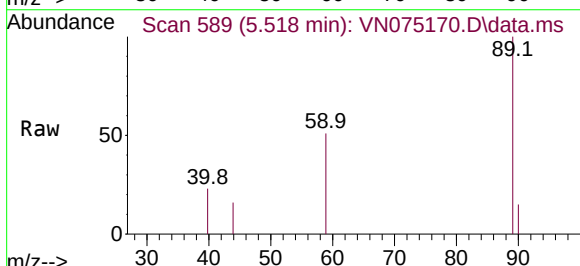
Instrument :
MSVOA_N
ClientSampleId :
TP-N

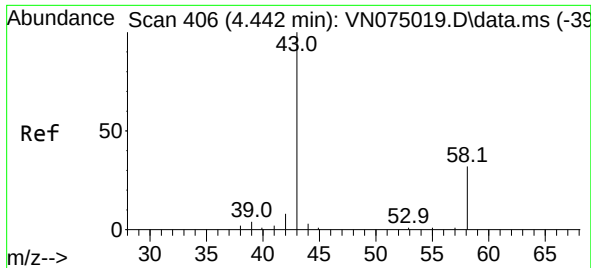
Tgt Ion: 64 Resp: 17375
Ion Ratio Lower Upper
64 100
66 6.3 23.8 35.8#



#11
Tert butyl alcohol
Concen: 7.823 ug/l
RT: 5.518 min Scan# 589
Delta R.T. -0.024 min
Lab File: VN075170.D
Acq: 04 Nov 2022 13:21

Tgt Ion: 59 Resp: 2427
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#16

Acetone

Concen: 18.739 ug/l

RT: 4.447 min Scan# 406

Delta R.T. 0.005 min

Lab File: VN075170.D

Acq: 04 Nov 2022 13:21

Instrument :

MSVOA_N

ClientSampleId :

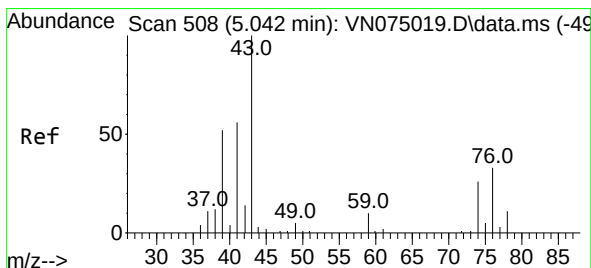
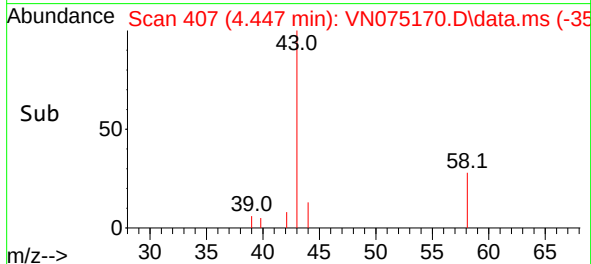
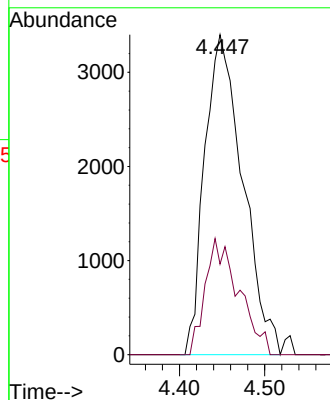
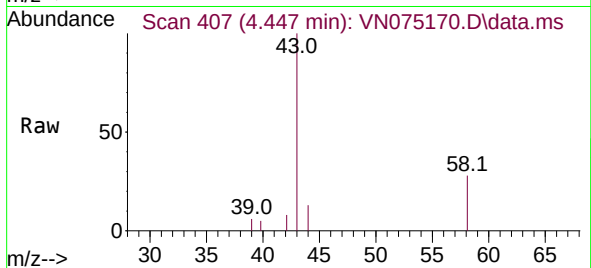
TP-N

Tgt Ion: 43 Resp: 10556

Ion Ratio Lower Upper

43 100

58 28.3 25.5 38.3



#18

Methyl Acetate

Concen: 1.326 ug/l

RT: 5.047 min Scan# 509

Delta R.T. 0.005 min

Lab File: VN075170.D

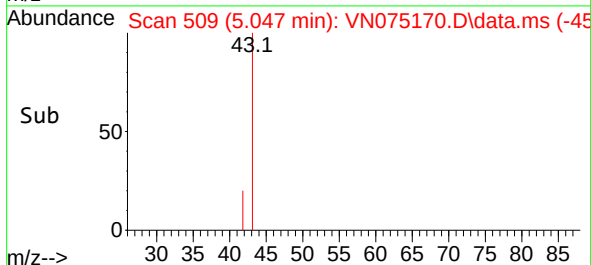
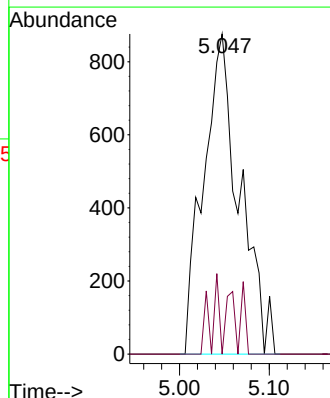
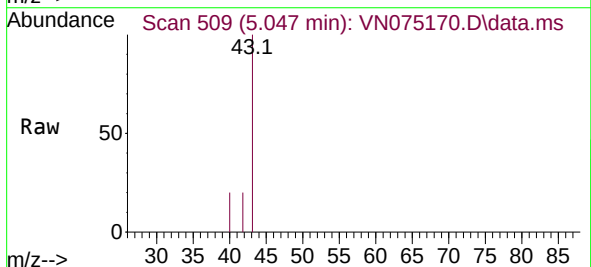
Acq: 04 Nov 2022 13:21

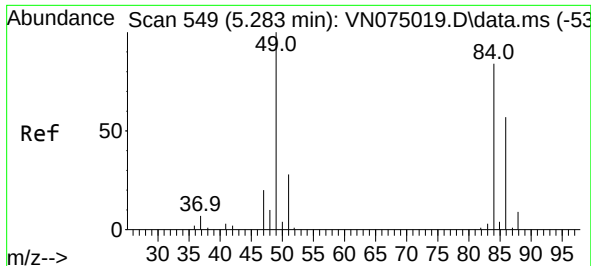
Tgt Ion: 43 Resp: 2439

Ion Ratio Lower Upper

43 100

74 3.2 22.0 33.0#

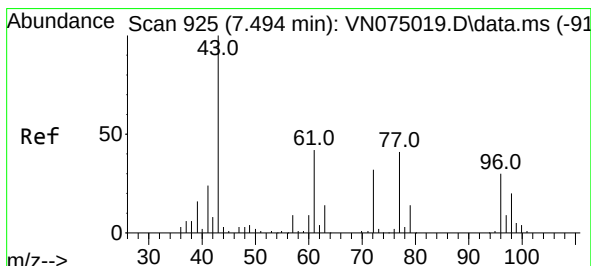
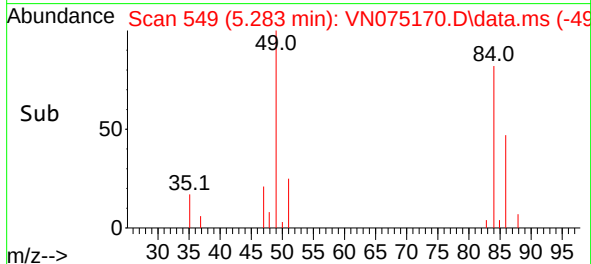
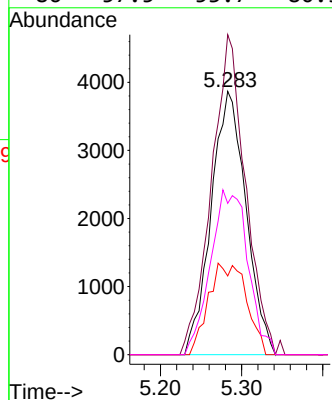
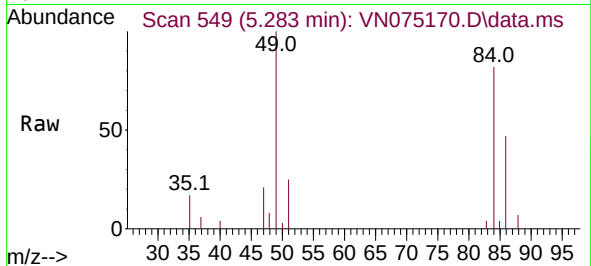




#20
Methylene Chloride
Concen: 9.183 ug/l
RT: 5.283 min Scan# 549
Delta R.T. -0.000 min
Lab File: VN075170.D
Acq: 04 Nov 2022 13:21

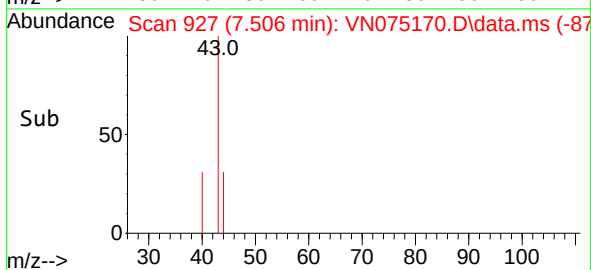
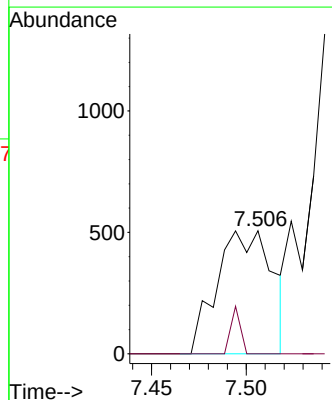
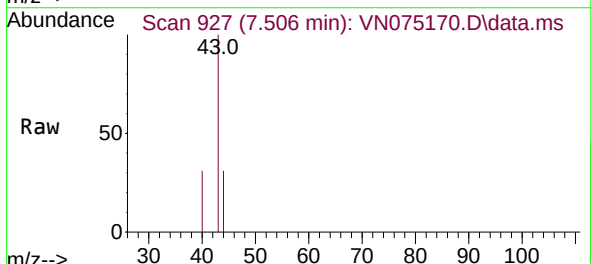
Instrument :
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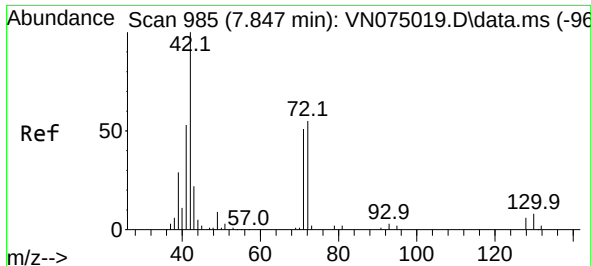
Tgt Ion: 84	Resp: 11534		
Ion	Ratio	Lower	Upper
84	100		
49	121.5	94.9	142.3
51	29.9	26.8	40.2
86	57.5	53.7	80.5



#25
2-Butanone
Concen: 1.168 ug/l
RT: 7.506 min Scan# 927
Delta R.T. 0.012 min
Lab File: VN075170.D
Acq: 04 Nov 2022 13:21

Tgt Ion: 43	Resp: 1035		
Ion Ratio	Lower	Upper	
43 100			
72 0.0	25.5	38.3#	

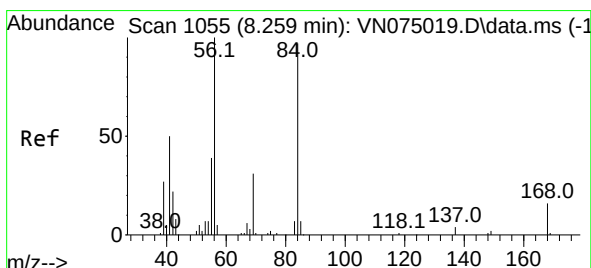
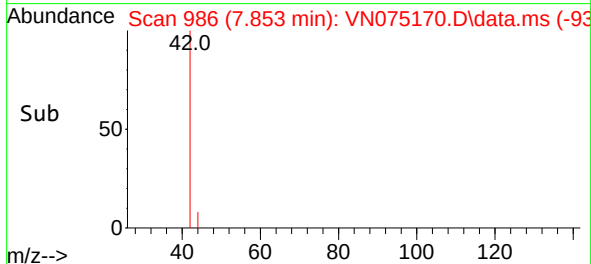
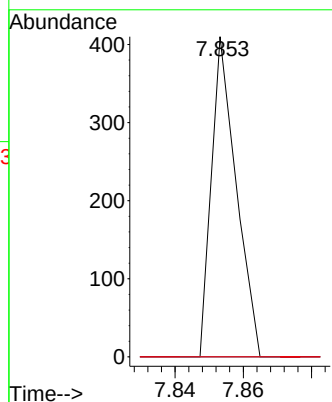
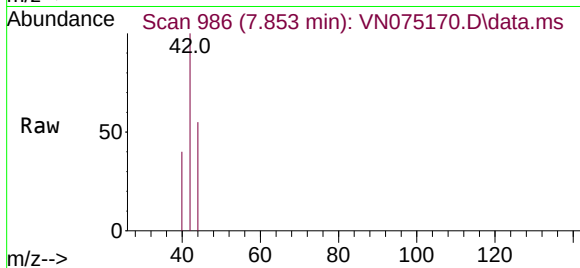




#29
Tetrahydrofuran
Concen: 0.362 ug/l
RT: 7.853 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN075170.D
Acq: 04 Nov 2022 13:21

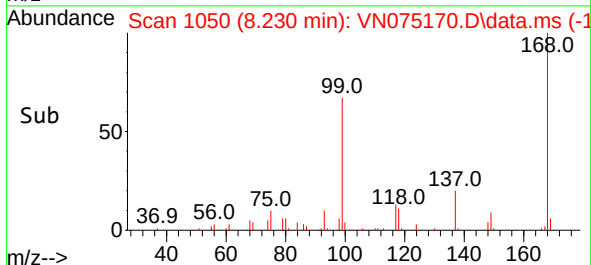
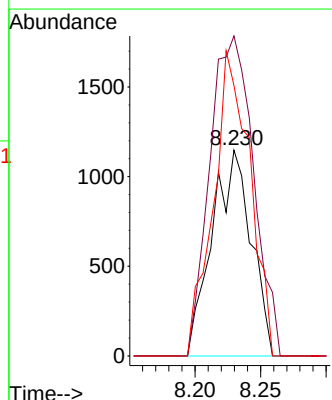
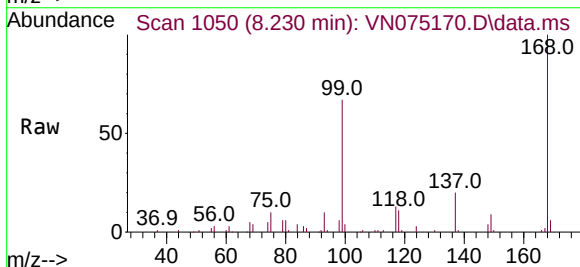
Instrument :
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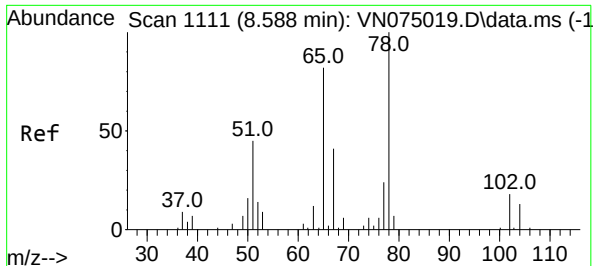
Tgt Ion: 42 Resp: 207
Ion Ratio Lower Upper
42 100
72 0.0 43.0 64.6#
71 0.0 39.9 59.9#



#31
Cyclohexane
Concen: 1.202 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.029 min
Lab File: VN075170.D
Acq: 04 Nov 2022 13:21

Tgt Ion: 56 Resp: 2379
Ion Ratio Lower Upper
56 100
69 155.5 25.2 37.8#
84 131.4 77.8 116.8#





#33

1,2-Dichloroethane-d4

Concen: 58.837 ug/l

RT: 8.583 min Scan# 1111

Delta R.T. -0.005 min

Lab File: VN075170.D

Acq: 04 Nov 2022 13:21

Instrument :

MSVOA_N

ClientSampleId :

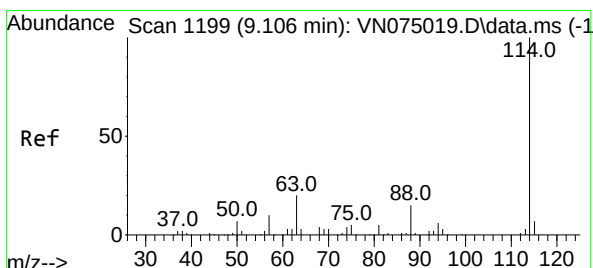
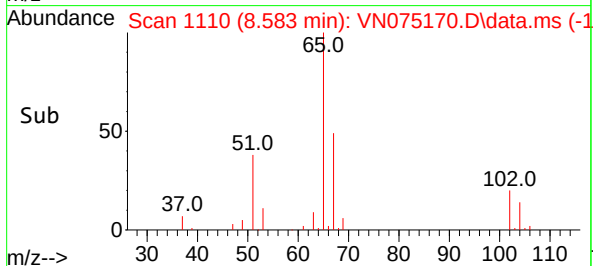
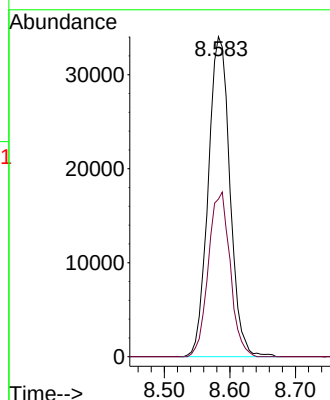
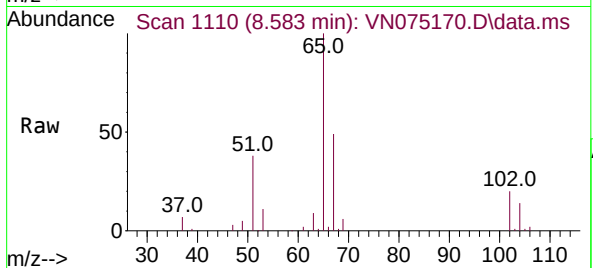
TP-N

Tgt Ion: 65 Resp: 78275

Ion Ratio Lower Upper

65 100

67 51.5 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: VN075170.D

Acq: 04 Nov 2022 13:21

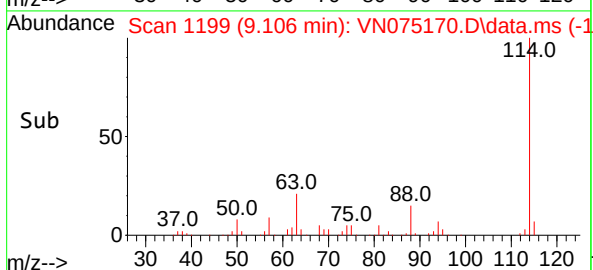
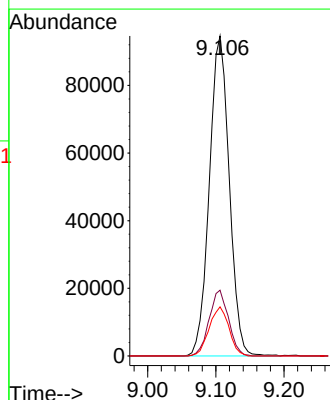
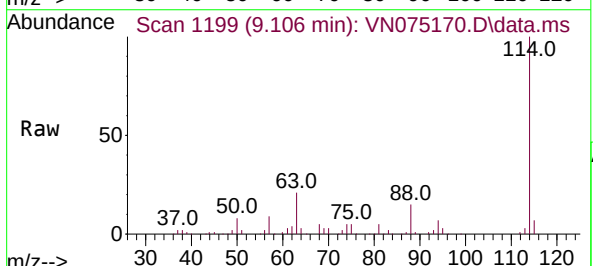
Tgt Ion: 114 Resp: 192416

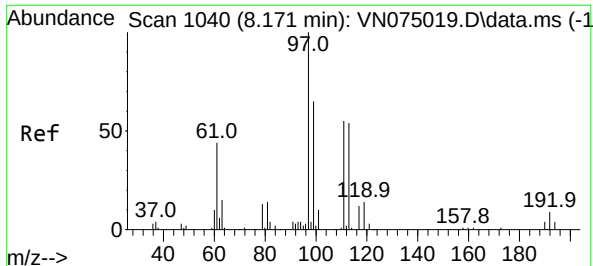
Ion Ratio Lower Upper

114 100

63 20.6 0.0 39.6

88 15.3 0.0 29.0





#35

Dibromofluoromethane

Concen: 53.554 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075170.D

Acq: 04 Nov 2022 13:21

Instrument :

MSVOA_N

ClientSampleId :

TP-N

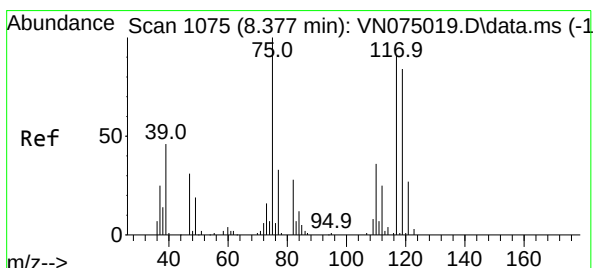
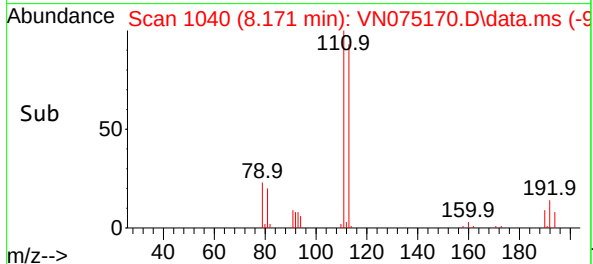
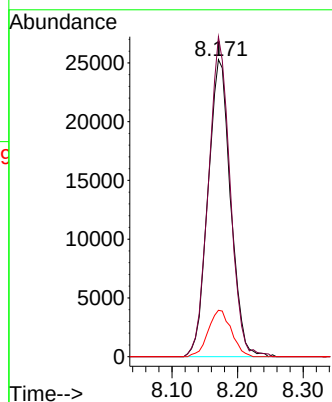
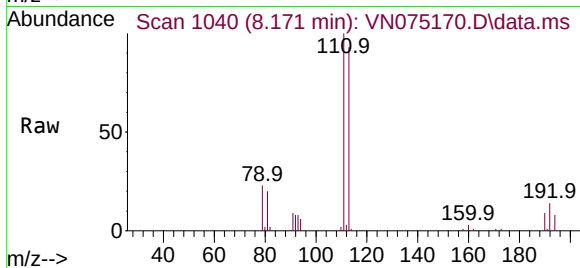
Tgt Ion:113 Resp: 60493

Ion Ratio Lower Upper

113 100

111 103.2 80.5 120.7

192 16.0 13.2 19.8



#36

1,1-Dichloropropene

Concen: 5.217 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN075170.D

Acq: 04 Nov 2022 13:21

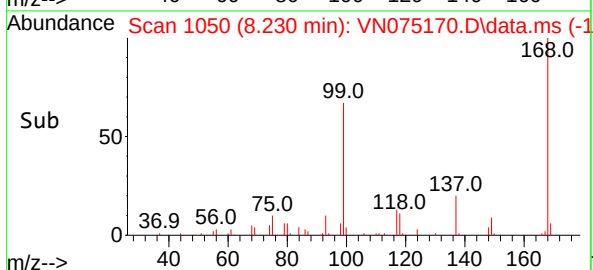
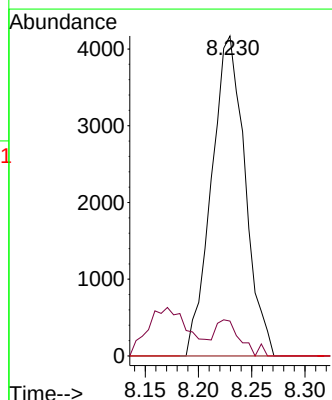
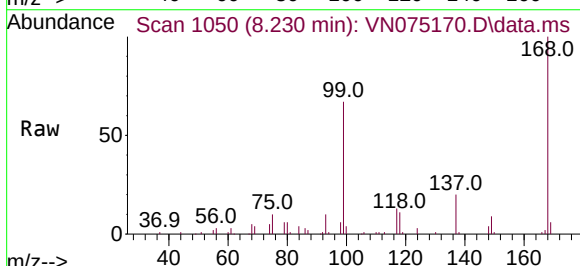
Tgt Ion: 75 Resp: 9124

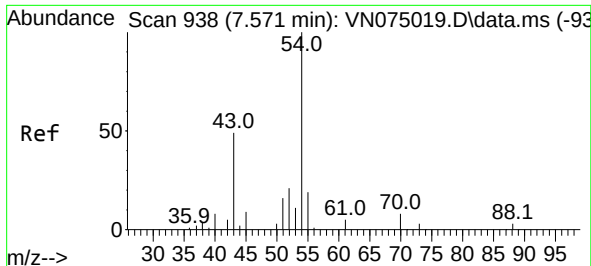
Ion Ratio Lower Upper

75 100

110 8.2 17.8 53.3#

77 0.0 24.6 37.0#

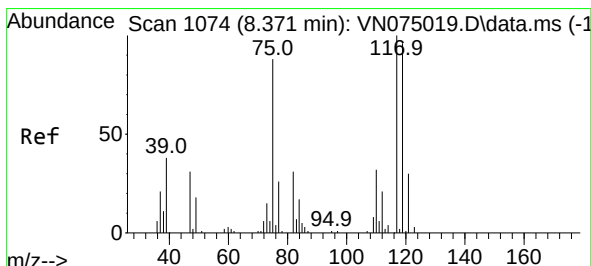
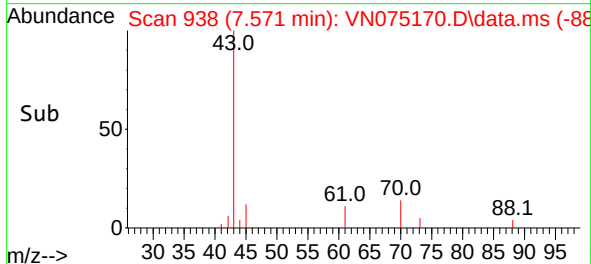
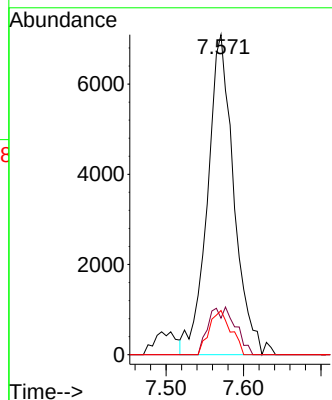
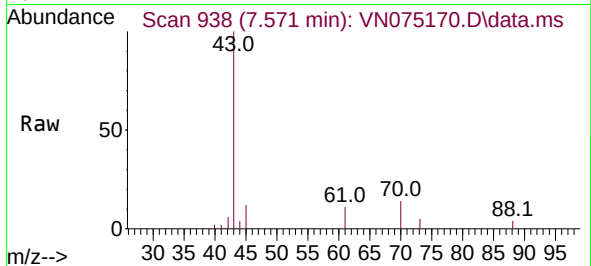




#37
Ethyl Acetate
Concen: 8.744 ug/l
RT: 7.571 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN075170.D
Acq: 04 Nov 2022 13:21

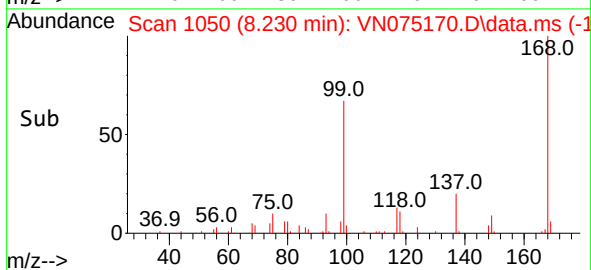
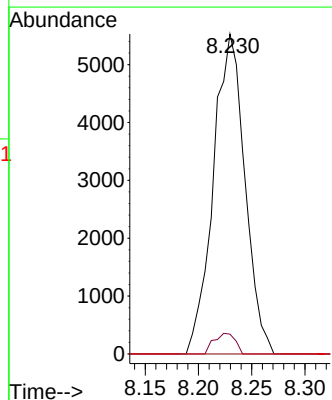
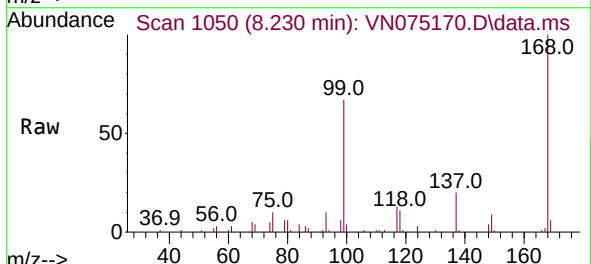
Instrument :
MSVOA_N
ClientSampleId :
TP-N

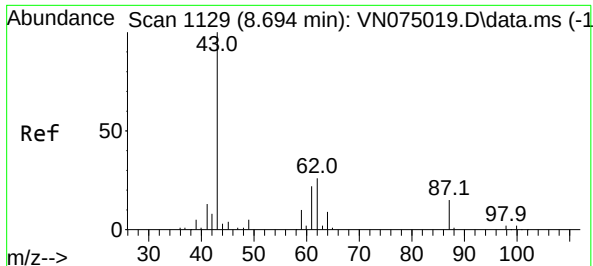
Tgt Ion:	43	Resp:	16769
Ion	Ratio	Lower	Upper
43	100		
61	15.3	12.2	18.4
70	11.4	9.4	14.2



#38
Carbon Tetrachloride
Concen: 5.932 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.141 min
Lab File: VN075170.D
Acq: 04 Nov 2022 13:21

Tgt Ion:	117	Resp:	11412
Ion	Ratio	Lower	Upper
117	100		
119	6.2	76.7	115.1#
121	0.0	23.9	35.9#

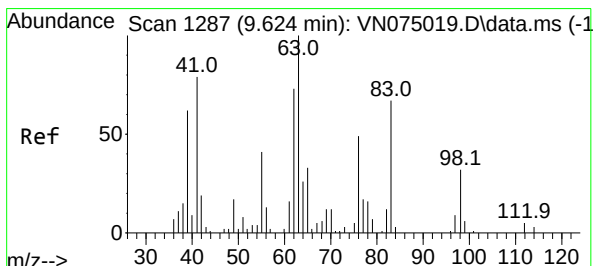
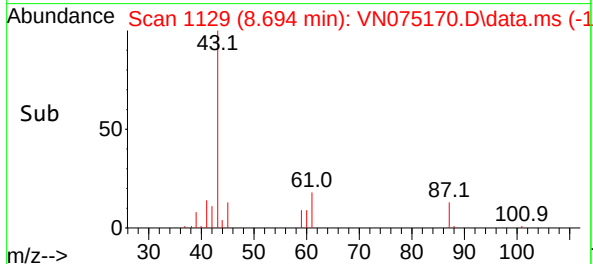
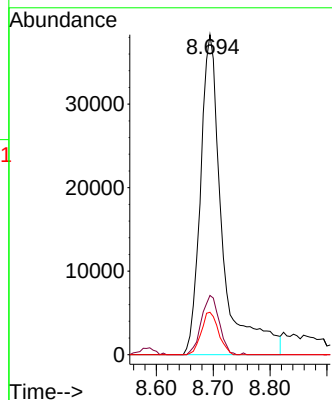
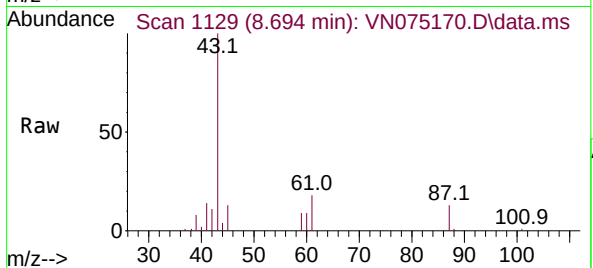




#43
Isopropyl Acetate
Concen: 34.459 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN075170.D
Acq: 04 Nov 2022 13:21

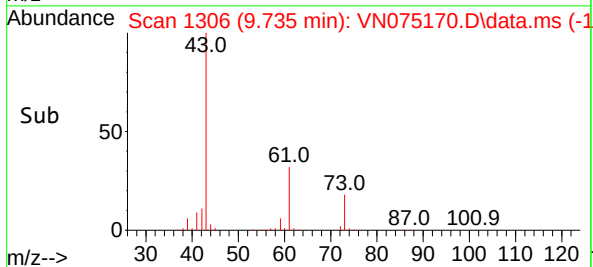
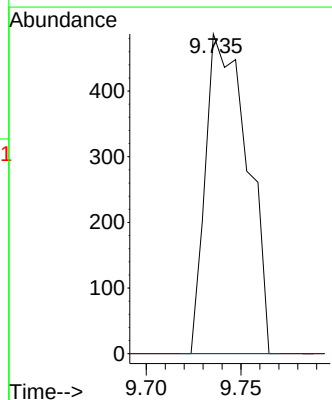
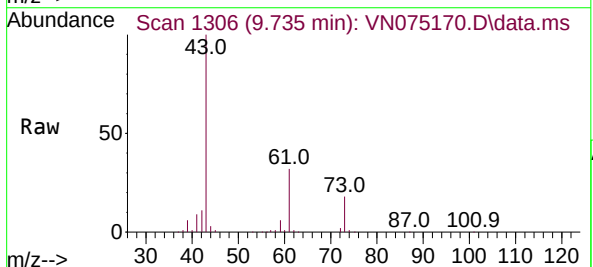
Instrument :
MSVOA_N
ClientSampleId :
TP-N

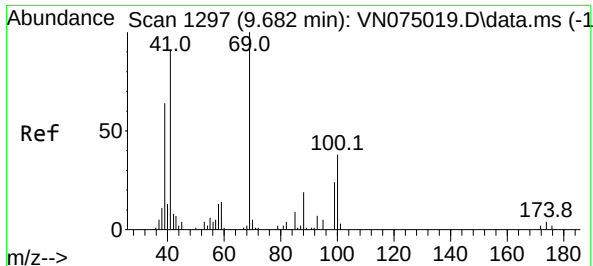
Tgt Ion: 43 Resp: 102512
Ion Ratio Lower Upper
43 100
61 15.0 22.4 33.6#
87 10.4 12.5 18.7#



#45
1,2-Dichloropropane
Concen: 0.585 ug/l
RT: 9.735 min Scan# 1306
Delta R.T. 0.111 min
Lab File: VN075170.D
Acq: 04 Nov 2022 13:21

Tgt Ion: 63 Resp: 745
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#

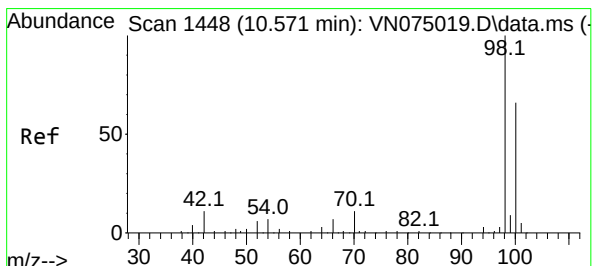
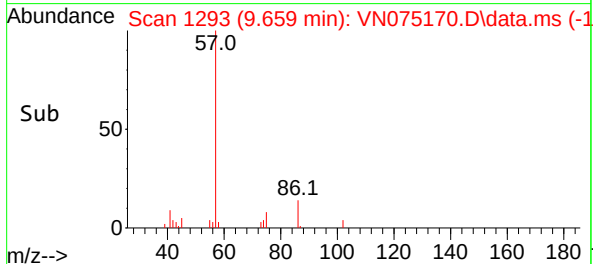
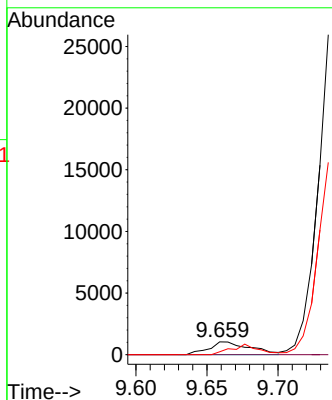
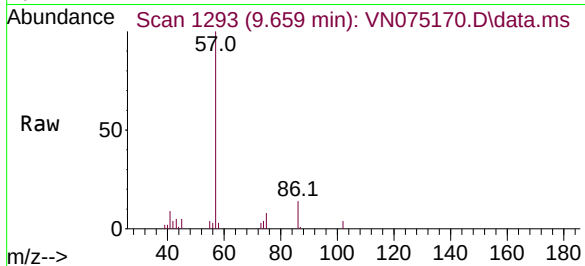




#48
Methyl methacrylate
Concen: 1.548 ug/l
RT: 9.659 min Scan# 1293
Delta R.T. -0.023 min
Lab File: VN075170.D
Acq: 04 Nov 2022 13:21

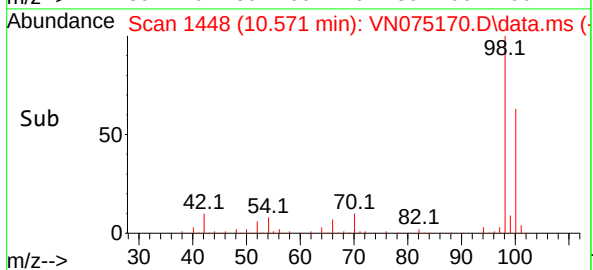
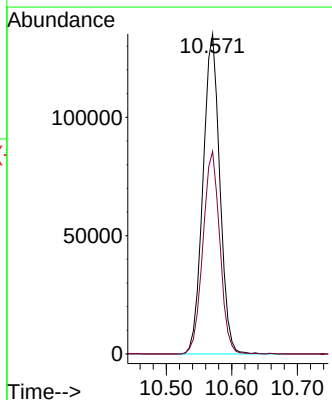
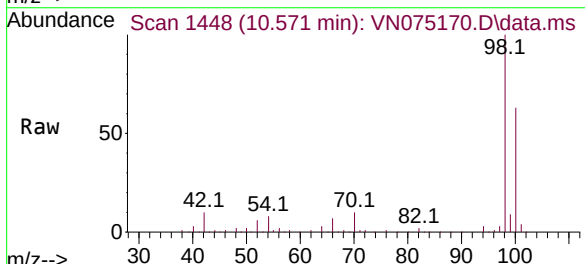
Instrument :
MSVOA_N
ClientSampleId :
TP-N

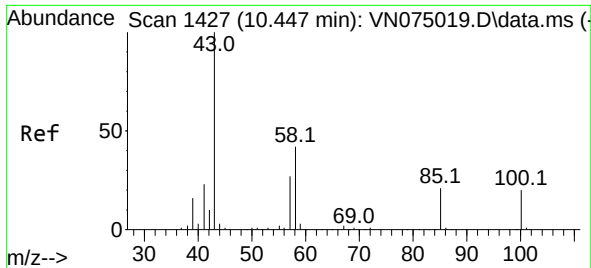
Tgt Ion: 41 Resp: 2113
Ion Ratio Lower Upper
41 100
69 0.0 80.2 120.2#
39 0.0 56.2 84.2#



#50
Toluene-d8
Concen: 55.136 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN075170.D
Acq: 04 Nov 2022 13:21

Tgt Ion: 98 Resp: 241630
Ion Ratio Lower Upper
98 100
100 63.7 53.0 79.6

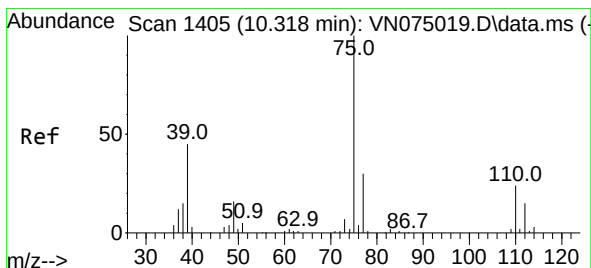
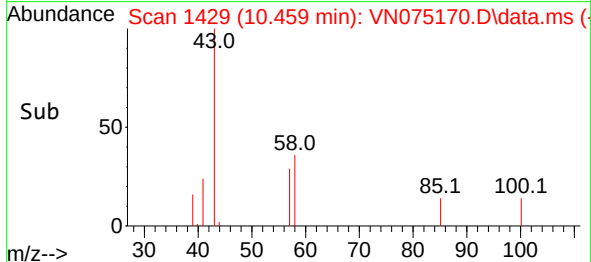
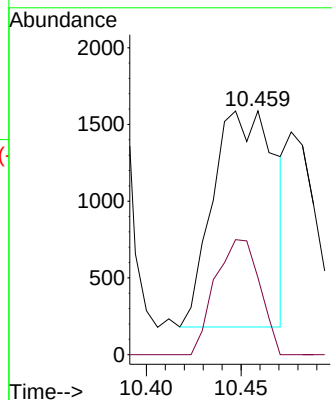
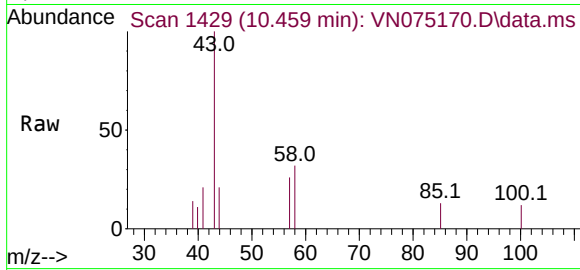




#51
4-Methyl-2-Pentanone
Concen: 1.676 ug/l
RT: 10.459 min Scan# 1429
Delta R.T. 0.012 min
Lab File: VN075170.D
Acq: 04 Nov 2022 13:21

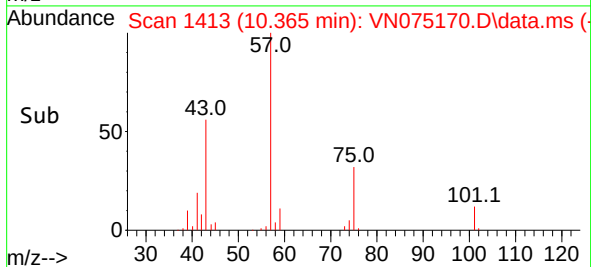
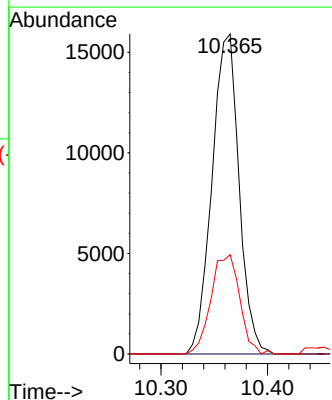
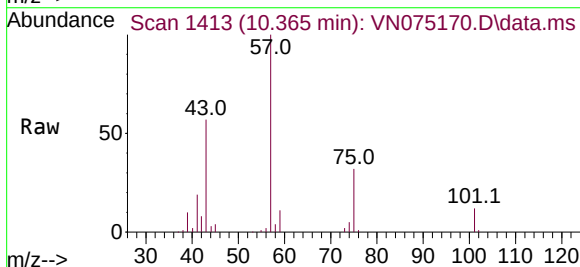
Instrument :
MSVOA_N
ClientSampleId :
TP-N

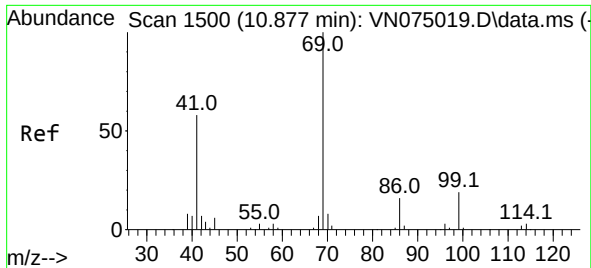
Tgt Ion: 43 Resp: 3218
Ion Ratio Lower Upper
43 100
58 38.1 33.6 50.4



#54
cis-1,3-Dichloropropene
Concen: 13.029 ug/l
RT: 10.365 min Scan# 1413
Delta R.T. 0.047 min
Lab File: VN075170.D
Acq: 04 Nov 2022 13:21

Tgt Ion: 75 Resp: 28043
Ion Ratio Lower Upper
75 100
77 0.0 23.7 35.5#
39 31.0 35.8 53.6#

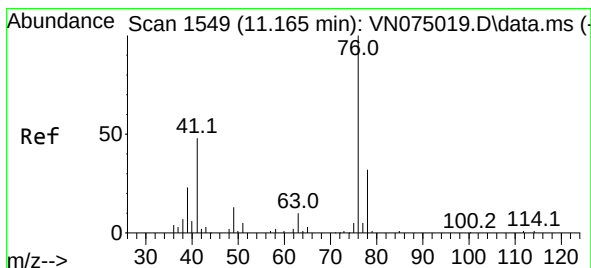
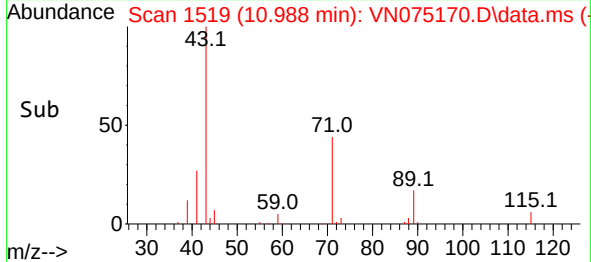
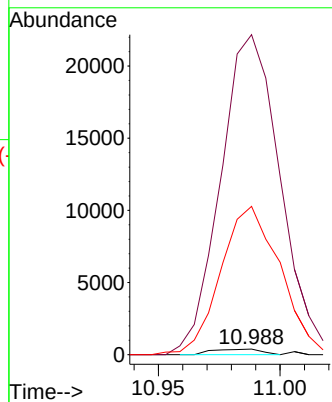
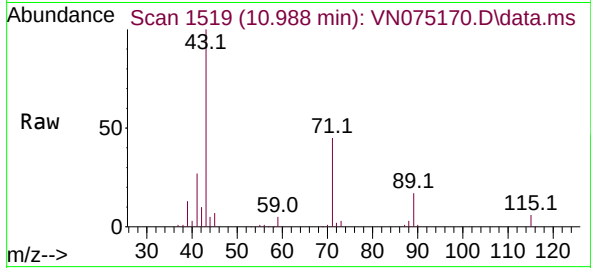




#56
Ethyl methacrylate
Concen: 0.250 ug/l
RT: 10.988 min Scan# 1519
Delta R.T. 0.111 min
Lab File: VN075170.D
Acq: 04 Nov 2022 13:21

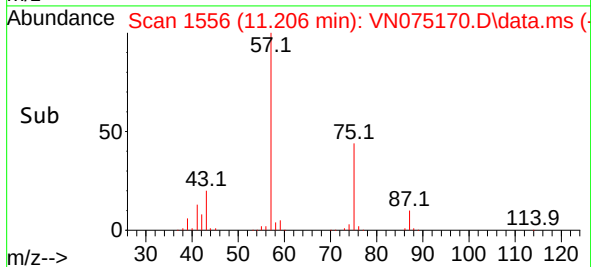
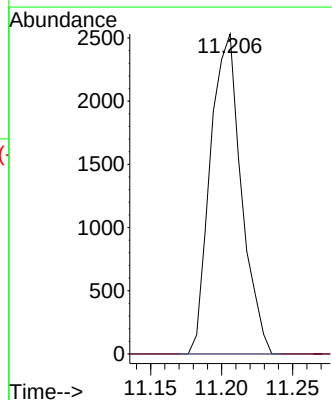
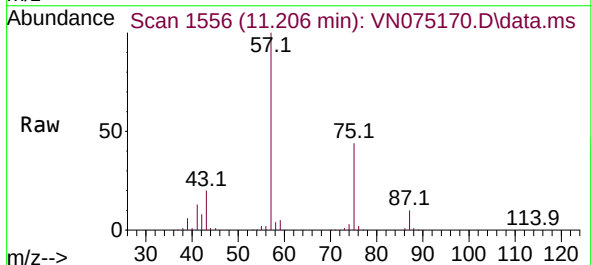
Instrument :
MSVOA_N
ClientSampleId :
TP-N

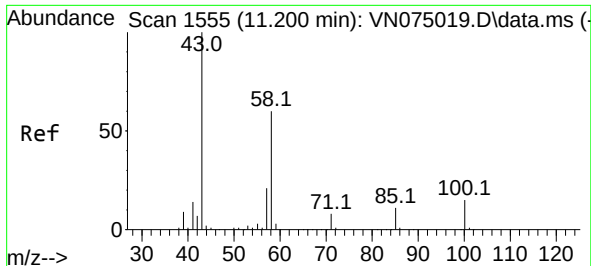
Tgt Ion: 69 Resp: 542
Ion Ratio Lower Upper
69 100
41 7002.2 45.6 68.4#
39 3232.3 28.5 42.7#



#57
1,3-Dichloropropane
Concen: 1.626 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN075170.D
Acq: 04 Nov 2022 13:21

Tgt Ion: 76 Resp: 3844
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

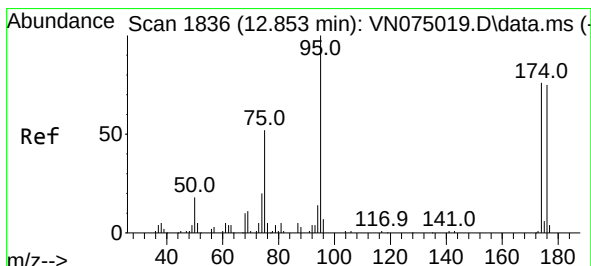
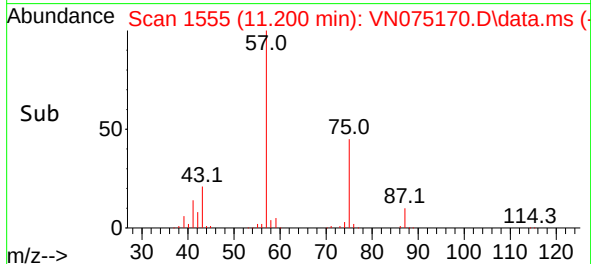
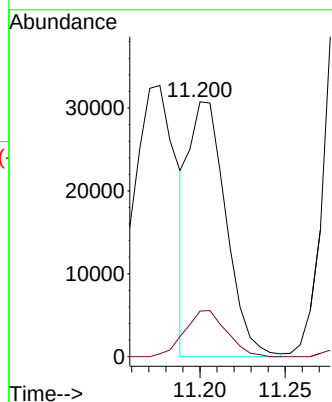
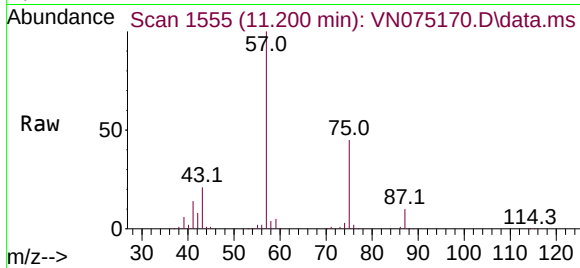




#59
2-Hexanone
Concen: 32.043 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN075170.D
Acq: 04 Nov 2022 13:21

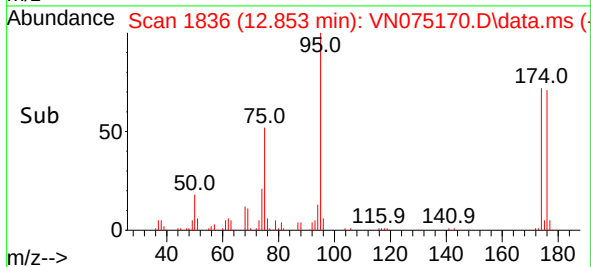
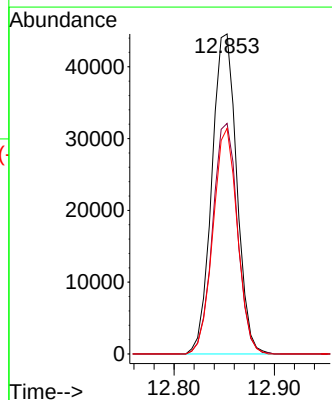
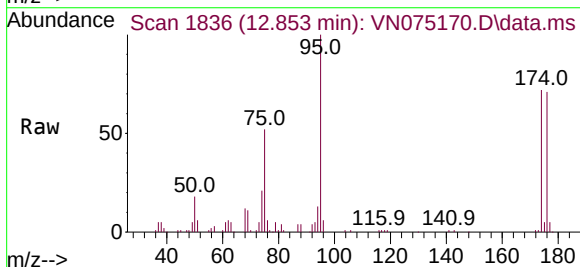
Instrument :
MSVOA_N
ClientSampleId :
TP-N

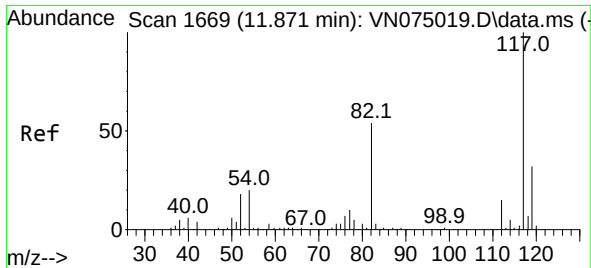
Tgt Ion: 43 Resp: 46686
Ion Ratio Lower Upper
43 100
58 20.4 29.6 88.8#



#62
4-Bromofluorobenzene
Concen: 49.753 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN075170.D
Acq: 04 Nov 2022 13:21

Tgt Ion: 95 Resp: 76593
Ion Ratio Lower Upper
95 100
174 71.9 0.0 147.4
176 69.2 0.0 142.2

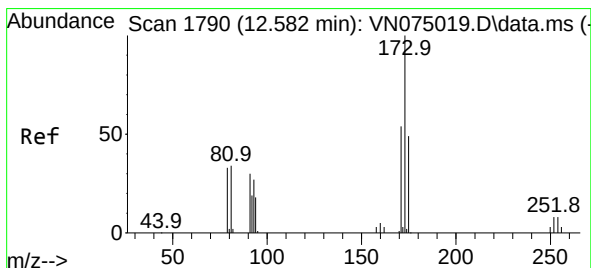
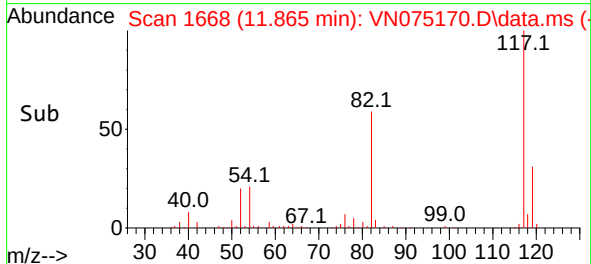
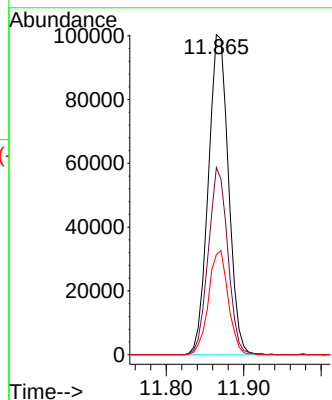
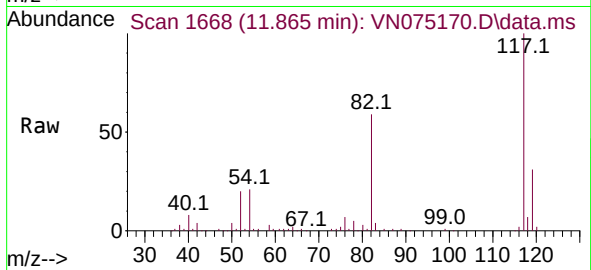




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN075170.D
Acq: 04 Nov 2022 13:21

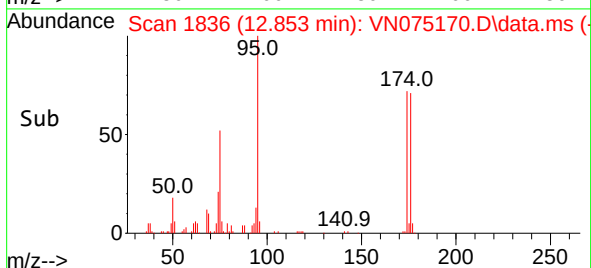
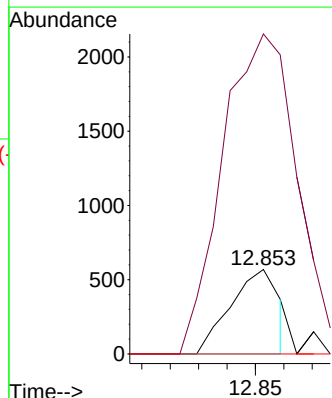
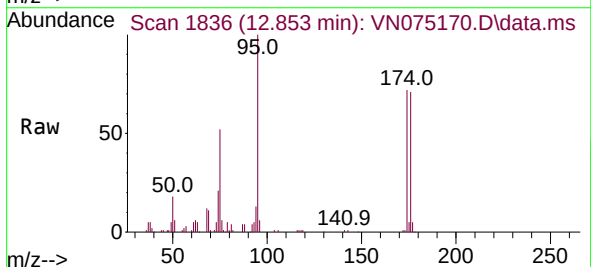
Instrument :
MSVOA_N
ClientSampleId :
TP-N

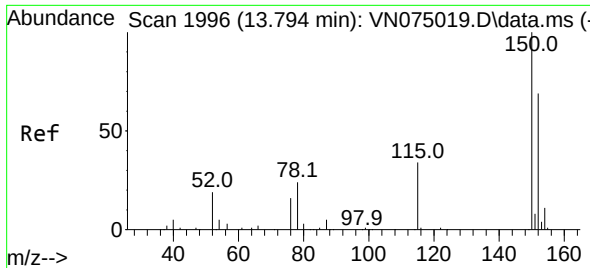
Tgt Ion:117 Resp: 181105
Ion Ratio Lower Upper
117 100
82 58.5 43.1 64.7
119 31.2 25.5 38.3



#71
Bromoform
Concen: 0.631 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN075170.D
Acq: 04 Nov 2022 13:21

Tgt Ion:173 Resp: 677
Ion Ratio Lower Upper
173 100
175 473.0 24.6 74.0#
254 0.0 0.0 0.0

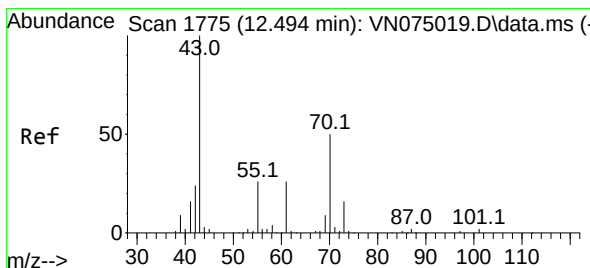
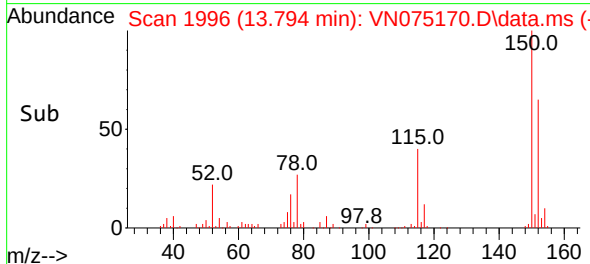
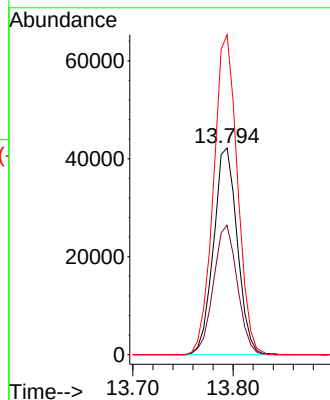
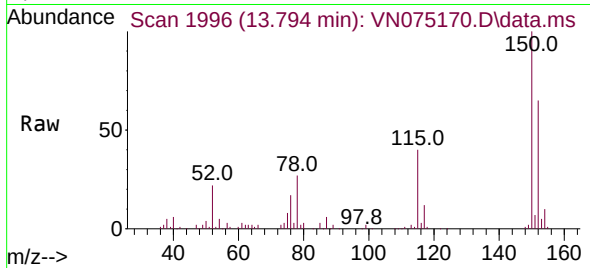




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. -0.000 min
 Lab File: VN075170.D
 Acq: 04 Nov 2022 13:21

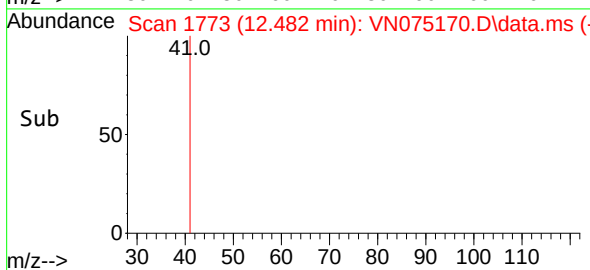
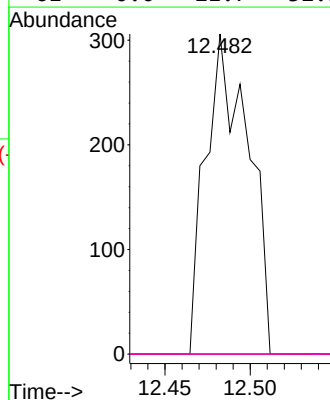
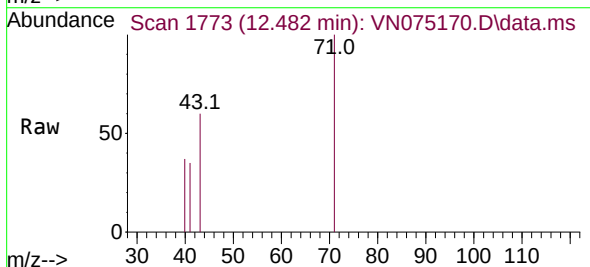
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-N

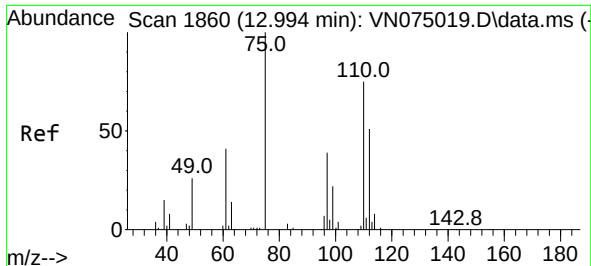
Tgt Ion:152 Resp: 69303
 Ion Ratio Lower Upper
 152 100
 115 63.3 30.2 90.6
 150 156.2 0.0 348.4



#74
 N-ethyl acetate
 Concen: 0.259 ug/l
 RT: 12.482 min Scan# 1773
 Delta R.T. -0.012 min
 Lab File: VN075170.D
 Acq: 04 Nov 2022 13:21

Tgt Ion: 43 Resp: 533
 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#

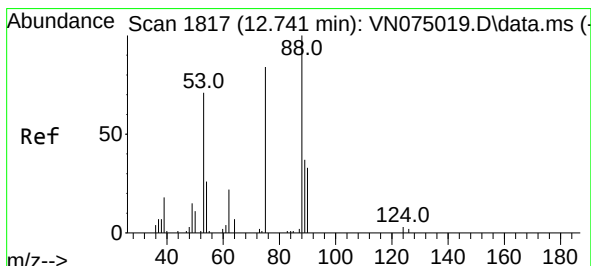
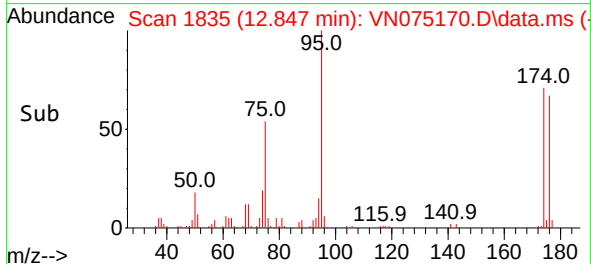
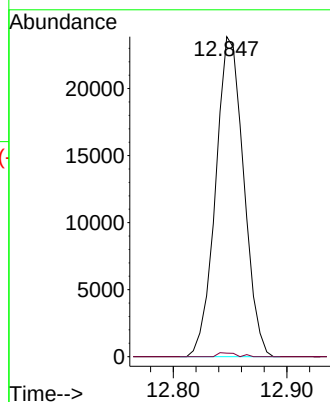
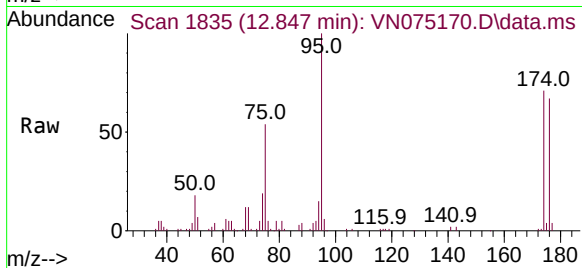




#76
1,2,3-Trichloropropane
Concen: 27.864 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075170.D
Acq: 04 Nov 2022 13:21

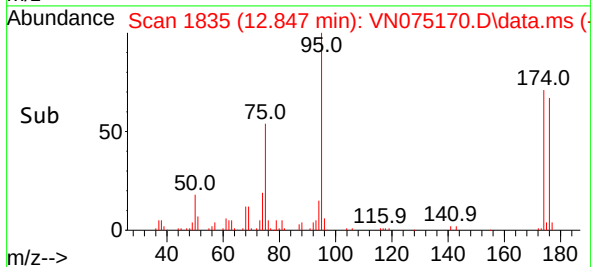
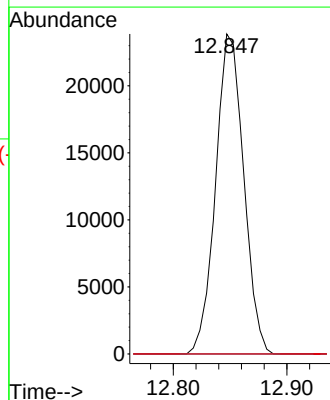
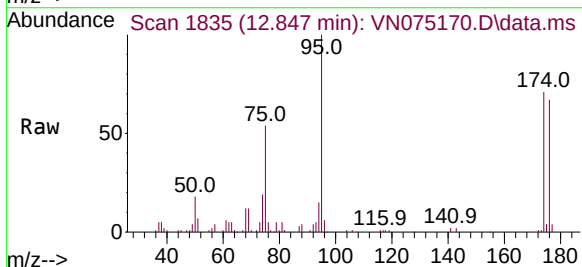
Instrument :
MSVOA_N
ClientSampleId :
TP-N

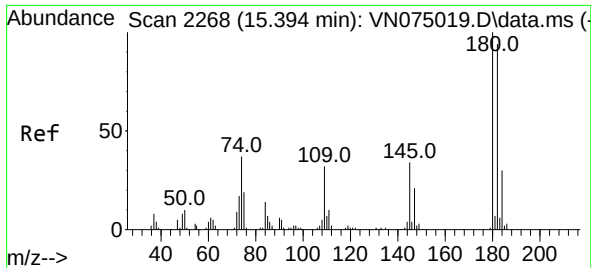
Tgt Ion: 75 Resp: 41002
Ion Ratio Lower Upper
75 100
77 0.8 75.6 226.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.527 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.106 min
Lab File: VN075170.D
Acq: 04 Nov 2022 13:21

Tgt Ion: 75 Resp: 41002
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#

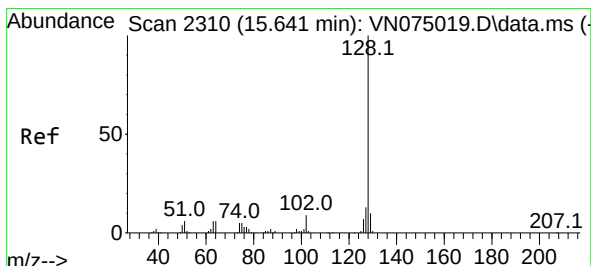
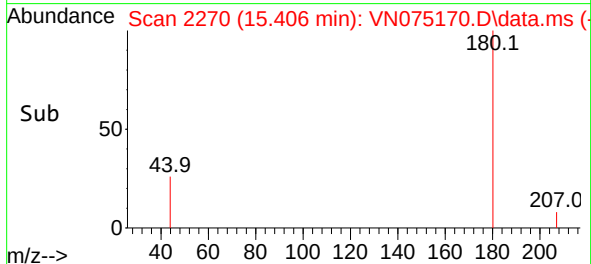
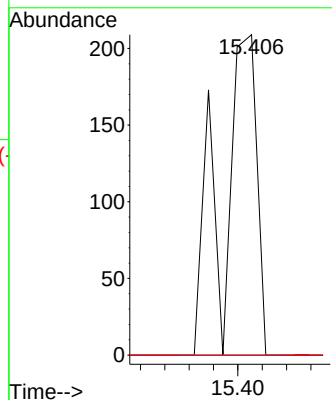
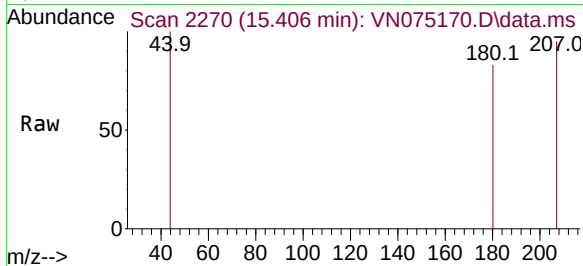




#93
1,2,4-Trichlorobenzene
Concen: 0.201 ug/l
RT: 15.406 min Scan# 21
Delta R.T. 0.012 min
Lab File: VN075170.D
Acq: 04 Nov 2022 13:21

Instrument :
MSVOA_N
ClientSampleId :
TP-N

Tgt Ion:180 Resp: 206
Ion Ratio Lower Upper
180 100
182 0.0 47.8 143.4#
145 0.0 16.8 50.3#



#95
Naphthalene
Concen: 0.317 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. -0.000 min
Lab File: VN075170.D
Acq: 04 Nov 2022 13:21

Tgt Ion:128 Resp: 1252
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.6 12.8#

