

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112322\
 Data File : VN075406.D
 Acq On : 23 Nov 2022 19:10
 Operator : JC\MD
 Sample : N5765-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-L

Quant Time: Nov 24 06:53:44 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)

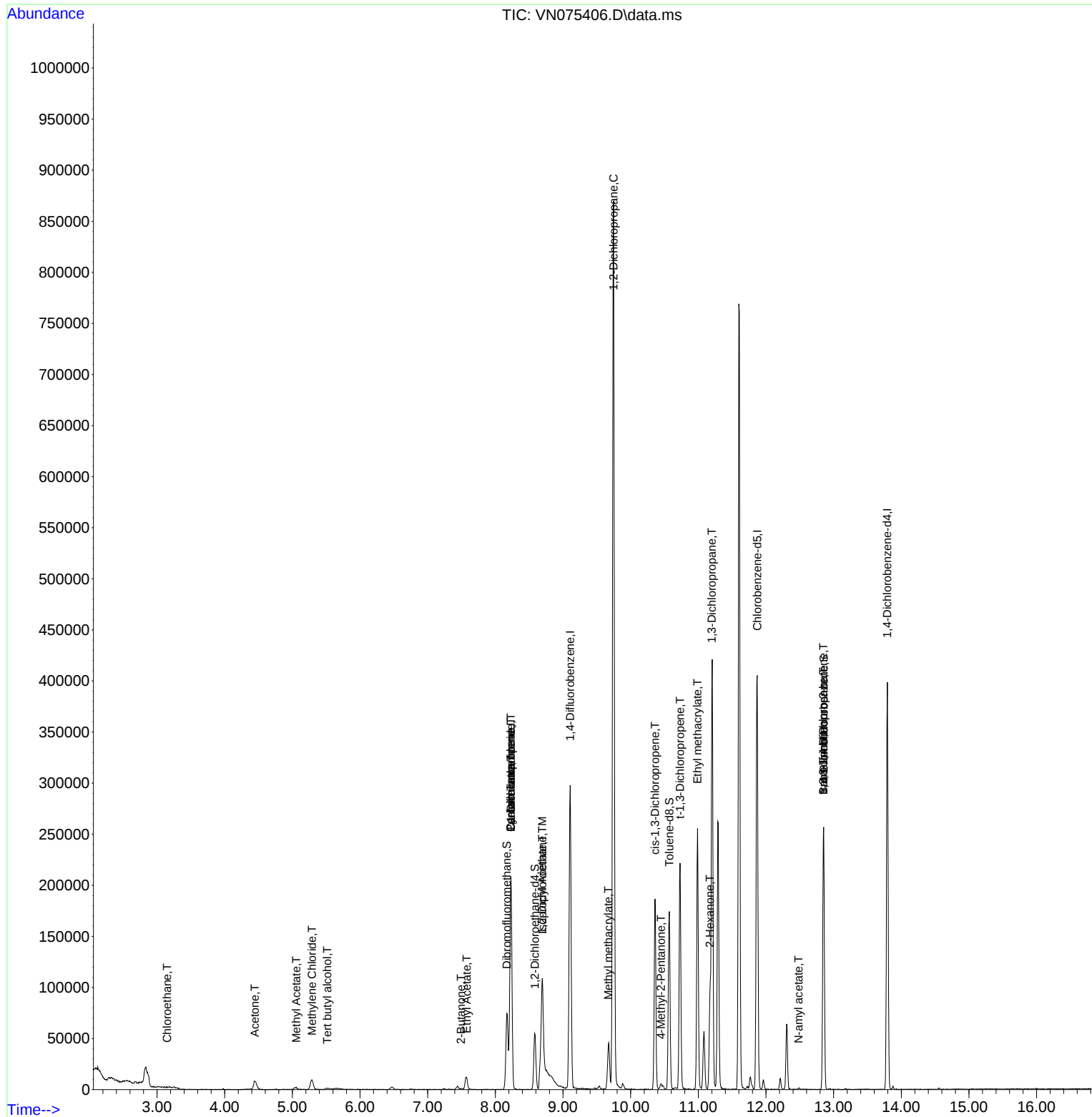
Internal Standards						
1) Pentafluorobenzene	8.230	168	158831	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	277112	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	255443	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	110883	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	45091	52.888	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.780%	
35) Dibromofluoromethane	8.171	113	55248	50.752	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.500%	
50) Toluene-d8	10.571	98	125239	51.080	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.160%	
62) 4-Bromofluorobenzene	12.853	95	91872	50.767	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 101.540%	
Target Compounds						
					Qvalue	
6) Chloroethane	3.148	64	304	0.211	ug/l #	45
11) Tert butyl alcohol	5.518	59	1212	3.386	ug/l #	72
16) Acetone	4.447	43	16988	21.362	ug/l	95
18) Methyl Acetate	5.059	43	4755	1.105	ug/l	94
20) Methylene Chloride	5.289	84	8605	4.164	ug/l #	82
25) 2-Butanone	7.494	43	1190	1.072	ug/l	89
31) Cyclohexane	8.230	56	2912	1.075	ug/l #	26
36) 1,1-Dichloropropene	8.230	75	11565	4.872	ug/l #	50
37) Ethyl Acetate	7.577	43	19027	8.901	ug/l	100
38) Carbon Tetrachloride	8.230	117	16436	6.303	ug/l #	16
42) 1,2-Dichloroethane	8.694	62	664	0.273	ug/l #	75
43) Isopropyl Acetate	8.694	43	151289	44.094	ug/l #	78
45) 1,2-Dichloropropane	9.747	63	1320	0.762	ug/l #	42
48) Methyl methacrylate	9.671	41	2479	1.563	ug/l #	35
51) 4-Methyl-2-Pentanone	10.447	43	3834	1.754	ug/l	89
53) t-1,3-Dichloropropene	10.729	75	583	0.229	ug/l	95
54) cis-1,3-Dichloropropene	10.359	75	37305	13.485	ug/l #	62
56) Ethyl methacrylate	10.988	69	638	0.248	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4926	1.584	ug/l #	42
59) 2-Hexanone	11.171	43	71801	43.755	ug/l #	21
71) Bromoform	12.847	173	620	0.414	ug/l #	28
74) N-amyl acetate	12.482	43	706	0.283	ug/l #	38
76) 1,2,3-Trichloropropane	12.847	75	44391	21.174	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	44391	62.648	ug/l #	10

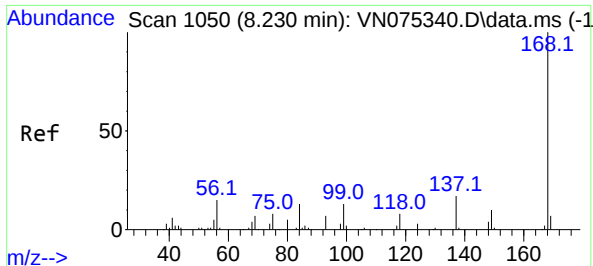
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112322\
Data File : VN075406.D
Acq On : 23 Nov 2022 19:10
Operator : JC\MD
Sample : N5765-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TP-L

Quant Time: Nov 24 06:53:44 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

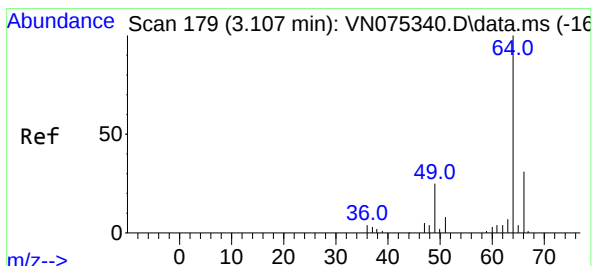
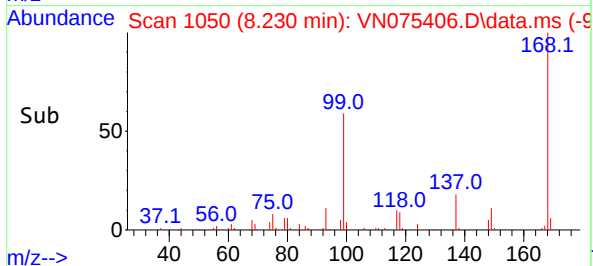
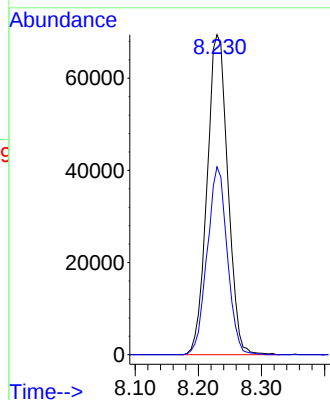
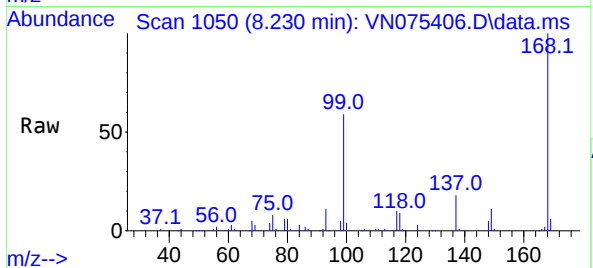




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN075406.D
Acq: 23 Nov 2022 19:10

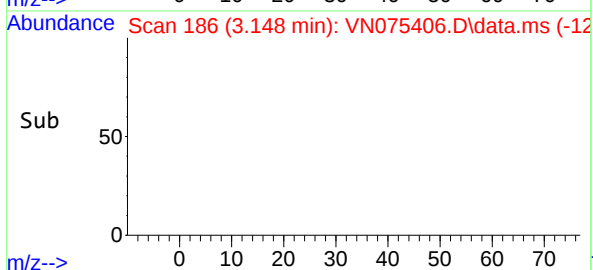
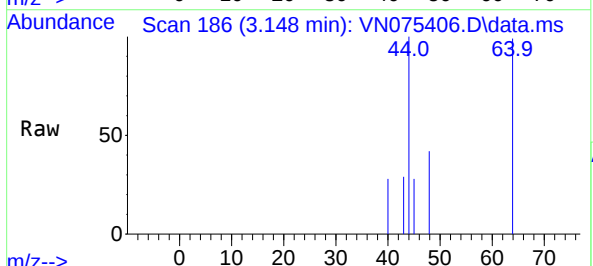
Instrument :
MSVOA_N
ClientSampleId :
TP-L

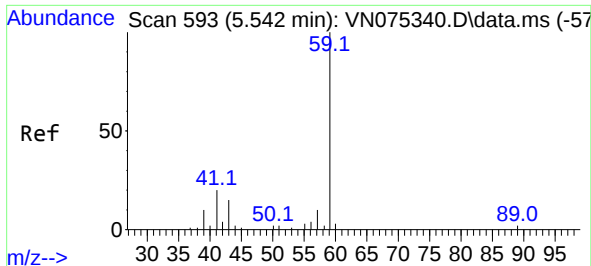
Tgt Ion:168 Resp: 158831
Ion Ratio Lower Upper
168 100
99 58.7 51.6 77.4



#6
Chloroethane
Concen: 0.211 ug/l
RT: 3.148 min Scan# 186
Delta R.T. 0.041 min
Lab File: VN075406.D
Acq: 23 Nov 2022 19:10

Tgt Ion: 64 Resp: 304
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#

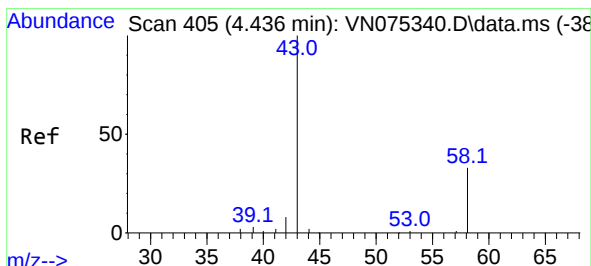
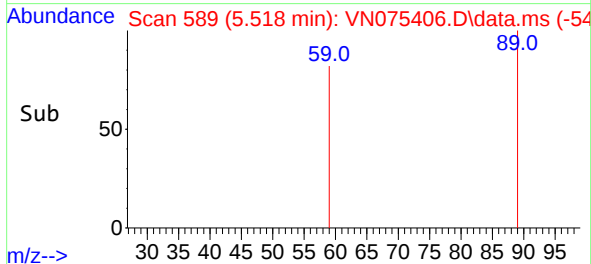
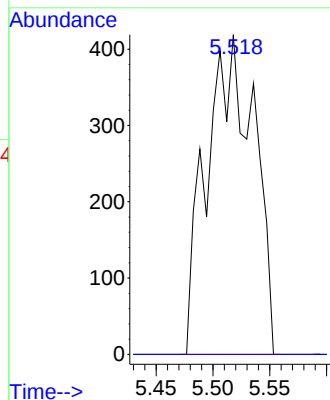
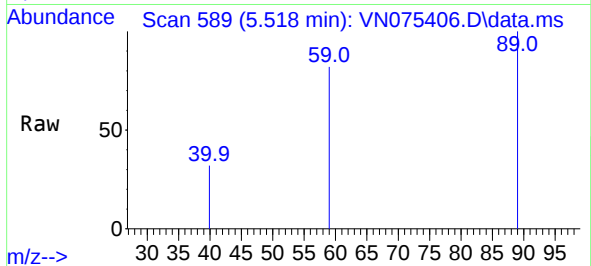




#11
Tert butyl alcohol
Concen: 3.386 ug/l
RT: 5.518 min Scan# 51
Delta R.T. -0.024 min
Lab File: VN075406.D
Acq: 23 Nov 2022 19:10

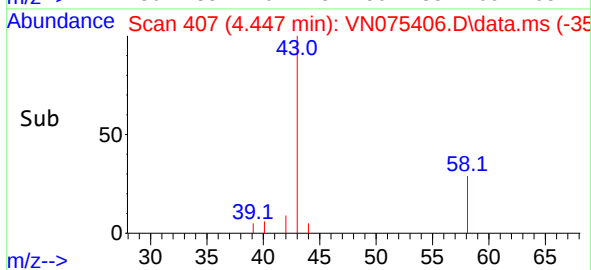
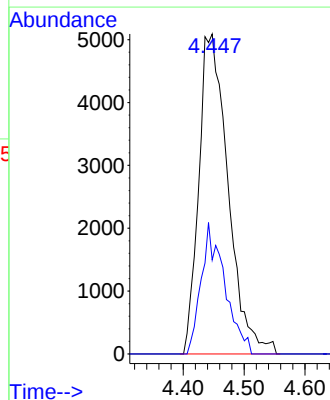
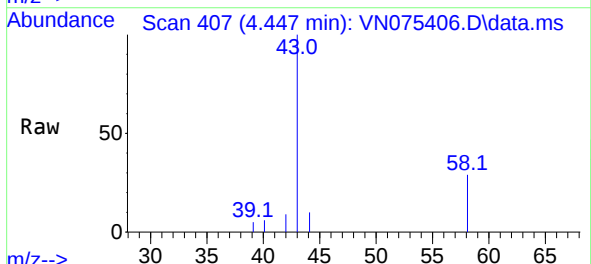
Instrument :
MSVOA_N
ClientSampleId :
TP-L

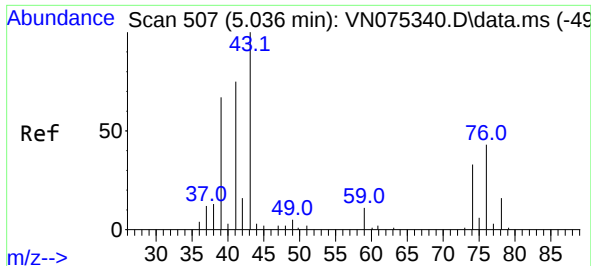
Tgt Ion: 59 Resp: 1212
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 21.362 ug/l
RT: 4.447 min Scan# 407
Delta R.T. 0.011 min
Lab File: VN075406.D
Acq: 23 Nov 2022 19:10

Tgt Ion: 43 Resp: 16988
Ion Ratio Lower Upper
43 100
58 29.3 25.5 38.3

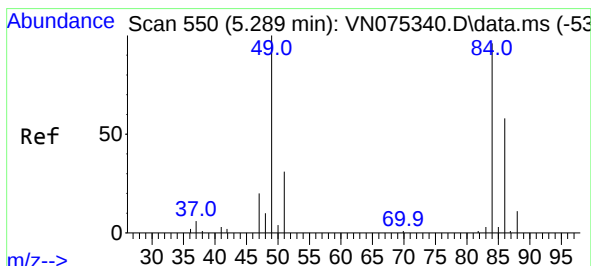
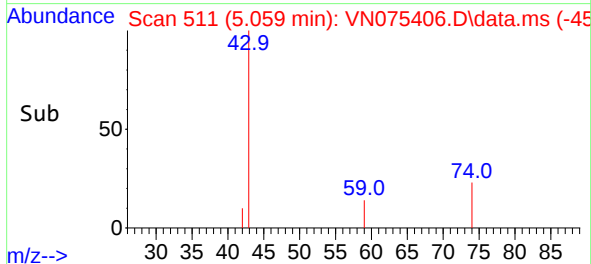
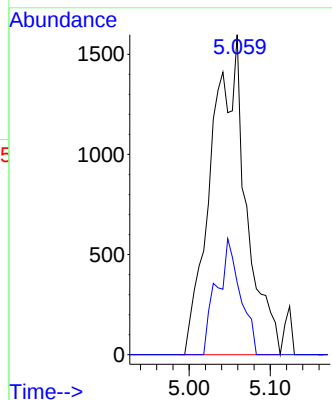
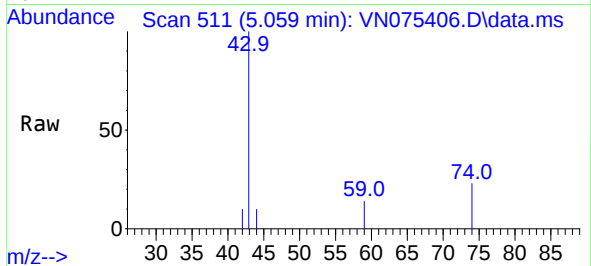




#18
Methyl Acetate
Concen: 1.105 ug/l
RT: 5.059 min Scan# 511
Delta R.T. 0.023 min
Lab File: VN075406.D
Acq: 23 Nov 2022 19:10

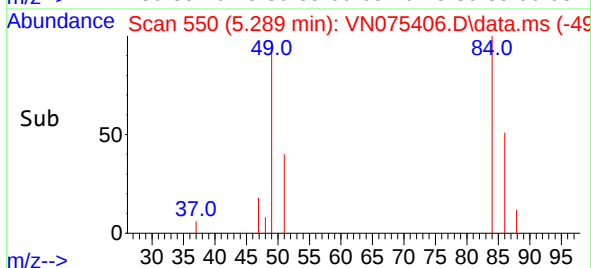
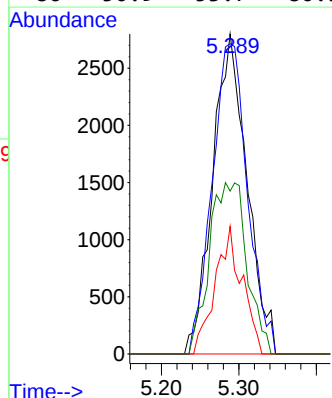
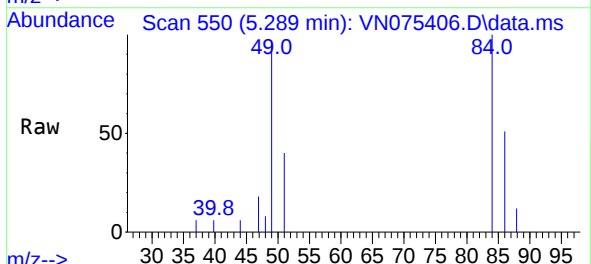
Instrument :
MSVOA_N
ClientSampleId :
TP-L

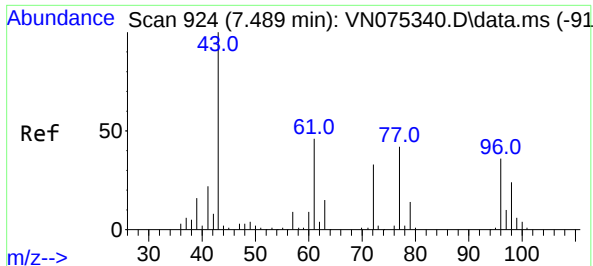
Tgt Ion: 43 Resp: 4755
Ion Ratio Lower Upper
43 100
74 24.5 22.0 33.0



#20
Methylene Chloride
Concen: 4.164 ug/l
RT: 5.289 min Scan# 550
Delta R.T. -0.000 min
Lab File: VN075406.D
Acq: 23 Nov 2022 19:10

Tgt Ion: 84 Resp: 8605
Ion Ratio Lower Upper
84 100
49 97.0 94.9 142.3
51 39.9 26.8 40.2
86 50.9 53.7 80.5#

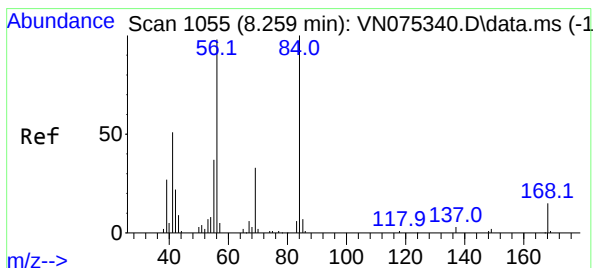
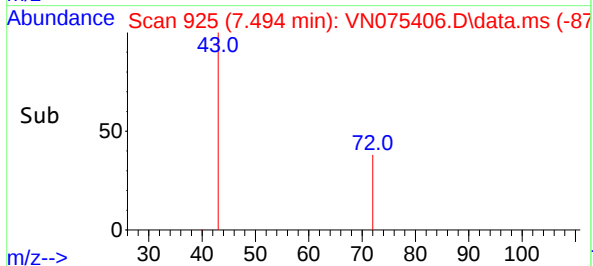
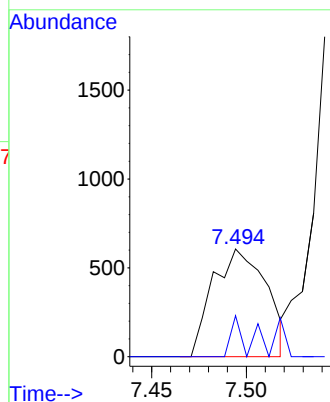
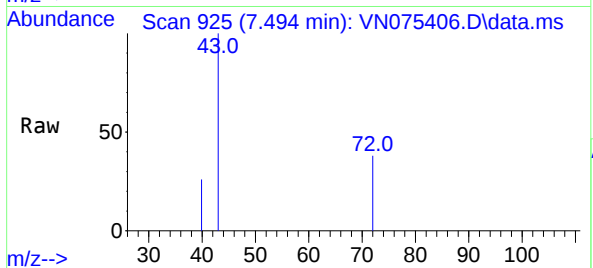




#25
2-Butanone
Concen: 1.072 ug/l
RT: 7.494 min Scan# 91
Delta R.T. 0.005 min
Lab File: VN075406.D
Acq: 23 Nov 2022 19:10

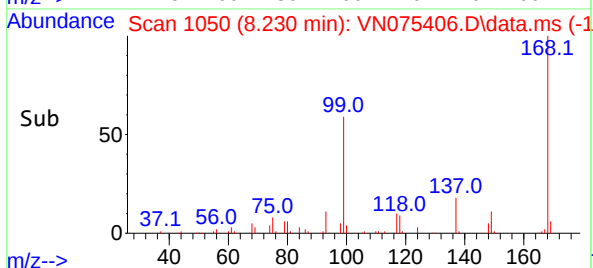
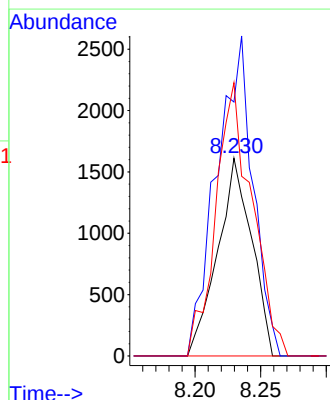
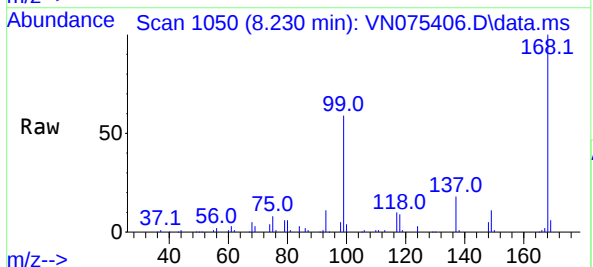
Instrument :
MSVOA_N
ClientSampleId :
TP-L

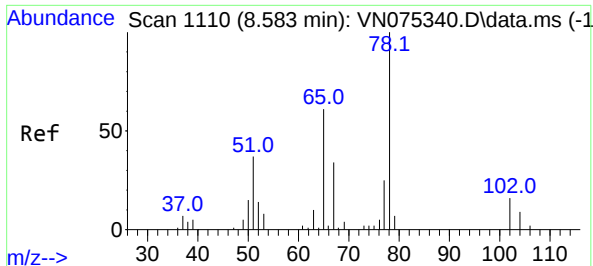
Tgt Ion: 43 Resp: 1190
Ion Ratio Lower Upper
43 100
72 38.1 25.5 38.3



#31
Cyclohexane
Concen: 1.075 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.029 min
Lab File: VN075406.D
Acq: 23 Nov 2022 19:10

Tgt Ion: 56 Resp: 2912
Ion Ratio Lower Upper
56 100
69 128.3 25.2 37.8#
84 138.2 77.8 116.8#





#33

1,2-Dichloroethane-d4

Concen: 52.888 ug/l

RT: 8.582 min Scan# 1110

Delta R.T. -0.001 min

Lab File: VN075406.D

Acq: 23 Nov 2022 19:10

Instrument :

MSVOA_N

ClientSampleId :

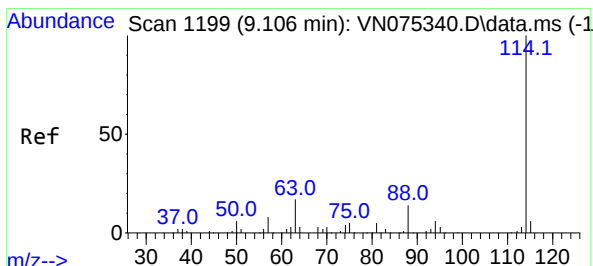
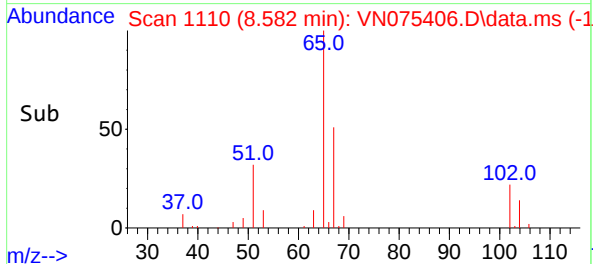
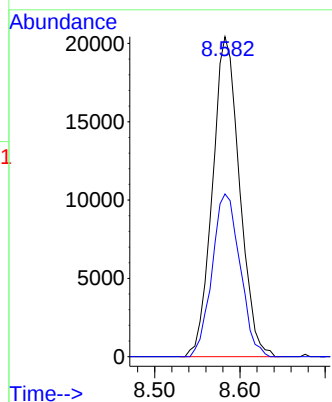
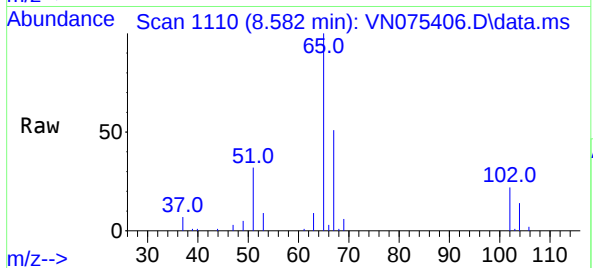
TP-L

Tgt Ion: 65 Resp: 45091

Ion Ratio Lower Upper

65 100

67 52.4 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: VN075406.D

Acq: 23 Nov 2022 19:10

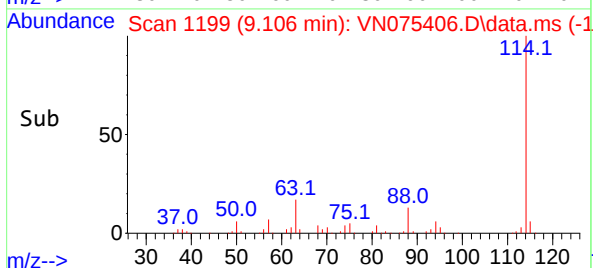
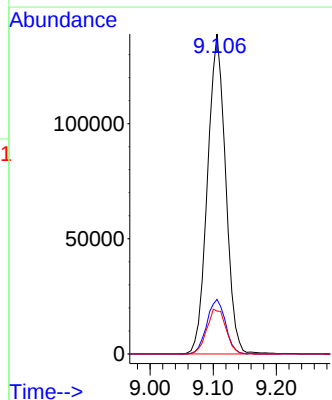
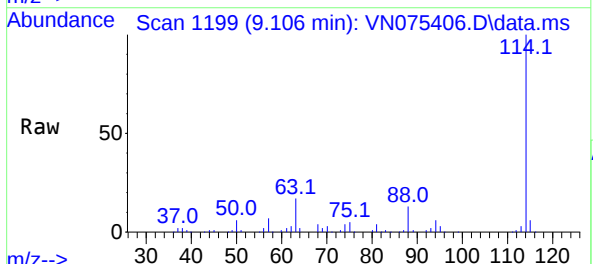
Tgt Ion: 114 Resp: 277112

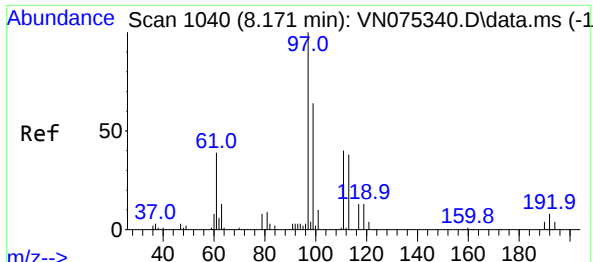
Ion Ratio Lower Upper

114 100

63 17.1 0.0 39.6

88 13.4 0.0 29.0

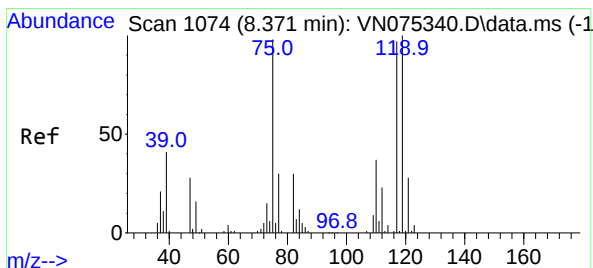
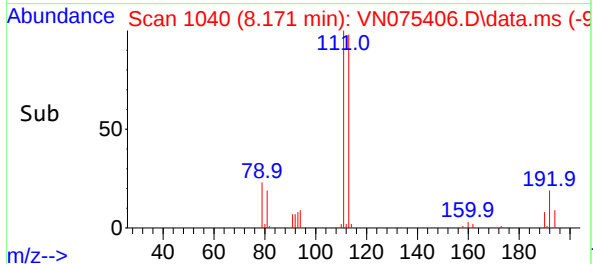
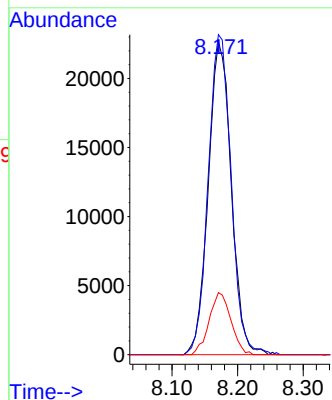
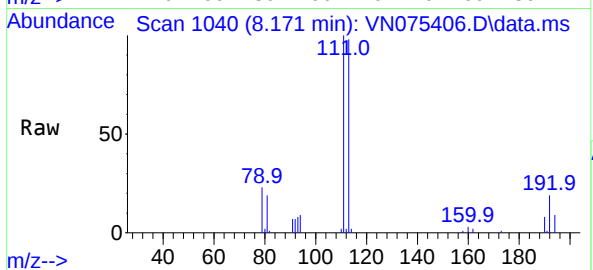




#35
Dibromofluoromethane
Concen: 50.752 ug/l
RT: 8.171 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN075406.D
Acq: 23 Nov 2022 19:10

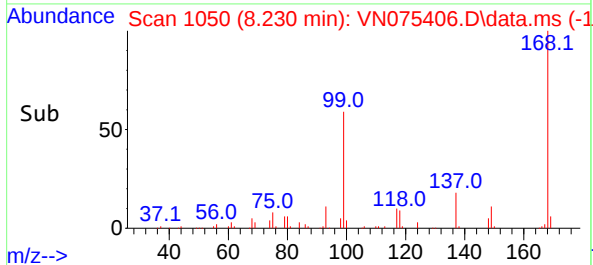
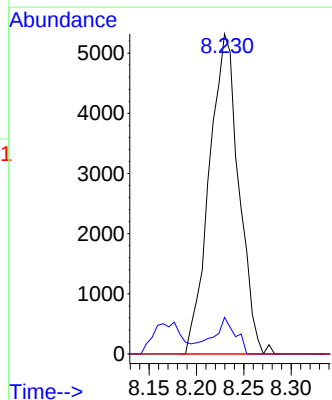
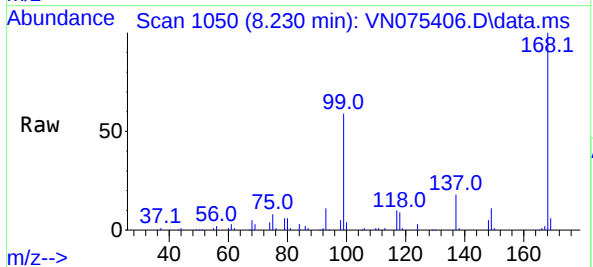
Instrument :
MSVOA_N
ClientSampleId :
TP-L

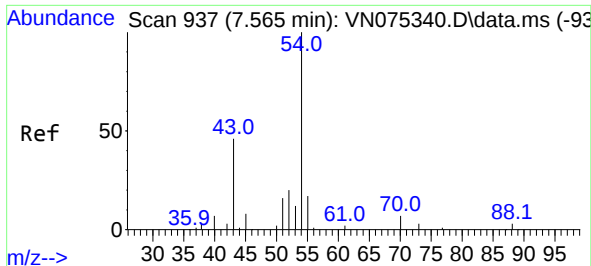
Tgt Ion:113 Resp: 55248
Ion Ratio Lower Upper
113 100
111 101.5 80.5 120.7
192 18.8 13.2 19.8



#36
1,1-Dichloropropene
Concen: 4.872 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.141 min
Lab File: VN075406.D
Acq: 23 Nov 2022 19:10

Tgt Ion: 75 Resp: 11565
Ion Ratio Lower Upper
75 100
110 9.0 17.8 53.3#
77 0.0 24.6 37.0#



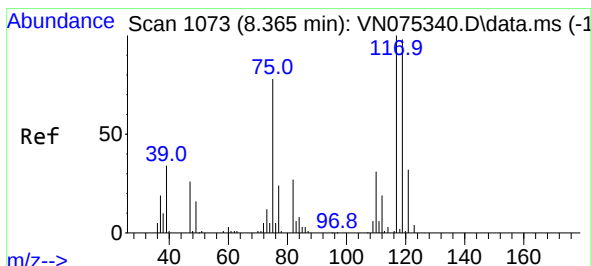
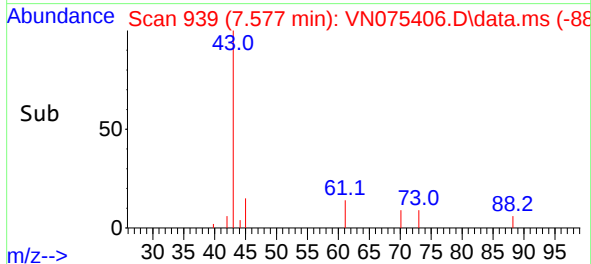
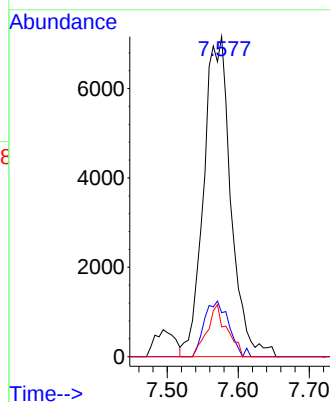
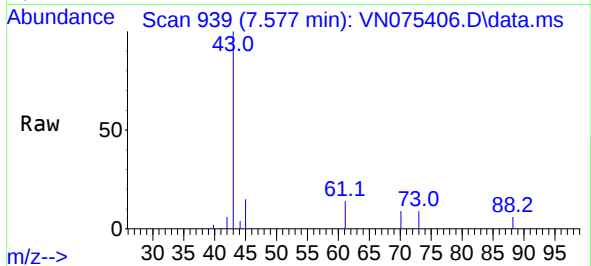


#37
Ethyl Acetate
Concen: 8.901 ug/l
RT: 7.577 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN075406.D
Acq: 23 Nov 2022 19:10

Instrument :
MSVOA_N
ClientSampleId :
TP-L

Tgt Ion: 43 Resp: 19027

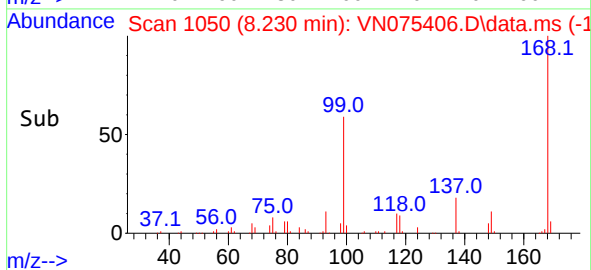
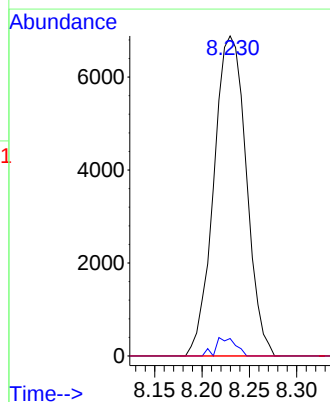
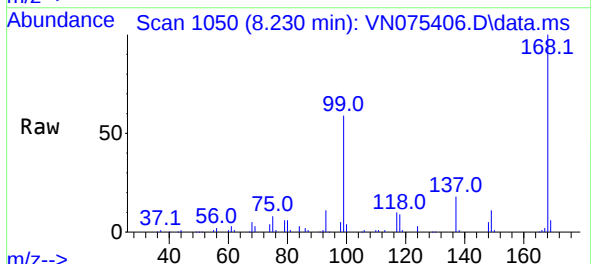
Ion	Ratio	Lower	Upper
43	100		
61	15.6	12.2	18.4
70	11.8	9.4	14.2

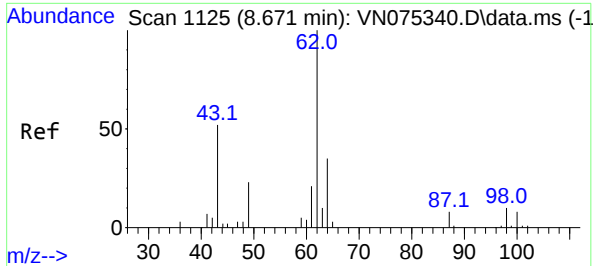


#38
Carbon Tetrachloride
Concen: 6.303 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN075406.D
Acq: 23 Nov 2022 19:10

Tgt Ion: 117 Resp: 16436

Ion	Ratio	Lower	Upper
117	100		
119	5.5	76.7	115.1#
121	0.0	23.9	35.9#

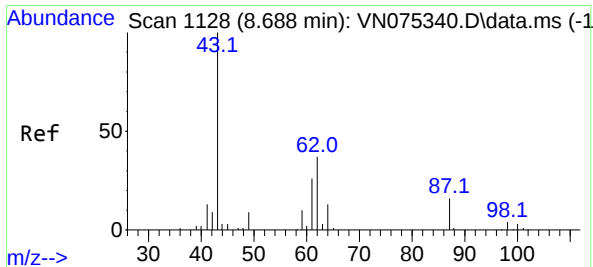
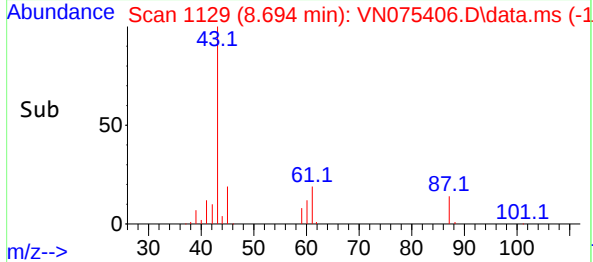
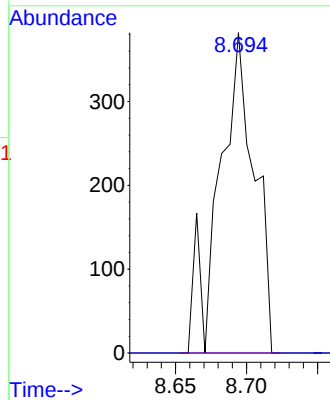
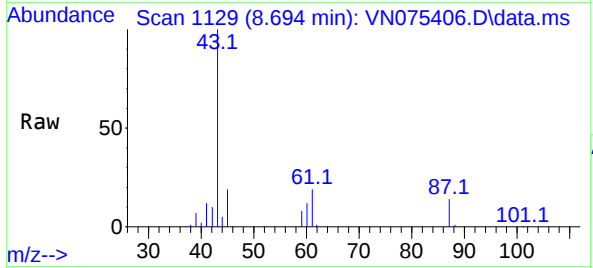




#42
 1,2-Dichloroethane
 Concen: 0.273 ug/l
 RT: 8.694 min Scan# 1129
 Delta R.T. 0.023 min
 Lab File: VN075406.D
 Acq: 23 Nov 2022 19:10

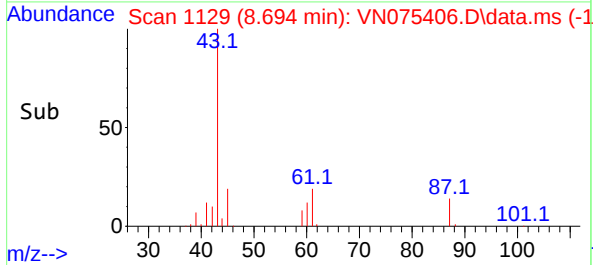
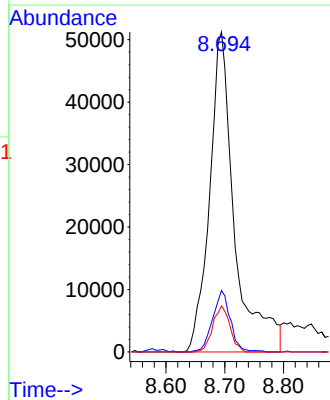
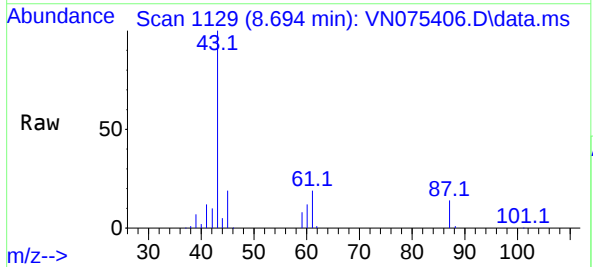
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-L

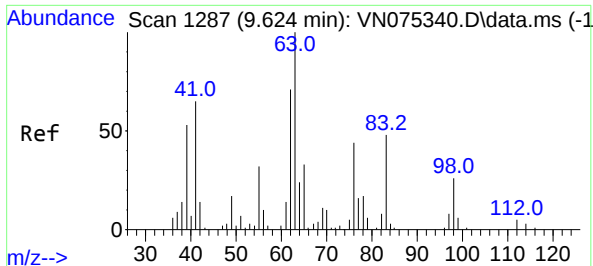
Tgt Ion: 62 Resp: 664
 Ion Ratio Lower Upper
 62 100
 98 0.0 0.0 18.2



#43
 Isopropyl Acetate
 Concen: 44.094 ug/l
 RT: 8.694 min Scan# 1129
 Delta R.T. 0.006 min
 Lab File: VN075406.D
 Acq: 23 Nov 2022 19:10

Tgt Ion: 43 Resp: 151289
 Ion Ratio Lower Upper
 43 100
 61 13.6 22.4 33.6#
 87 9.9 12.5 18.7#

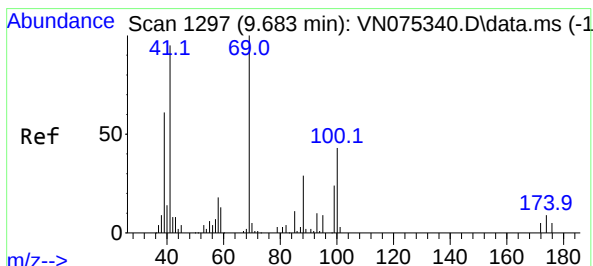
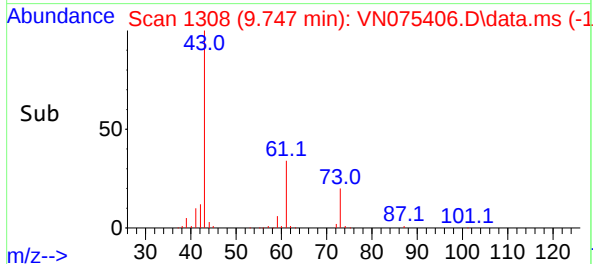
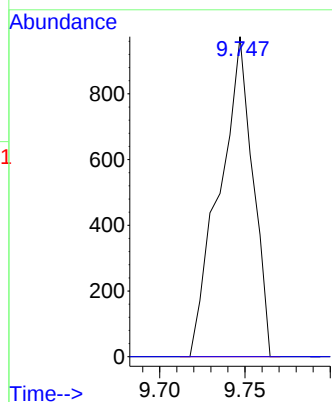
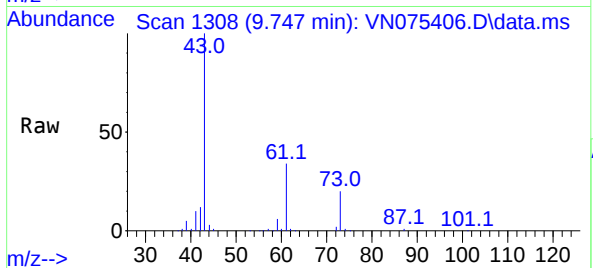




#45
1,2-Dichloropropane
Concen: 0.762 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.123 min
Lab File: VN075406.D
Acq: 23 Nov 2022 19:10

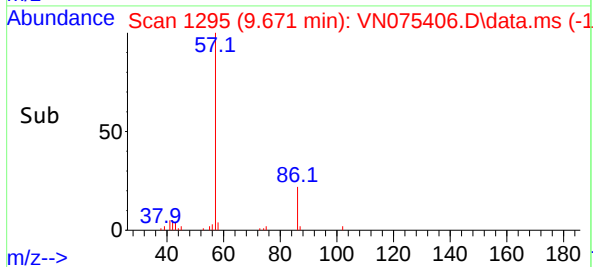
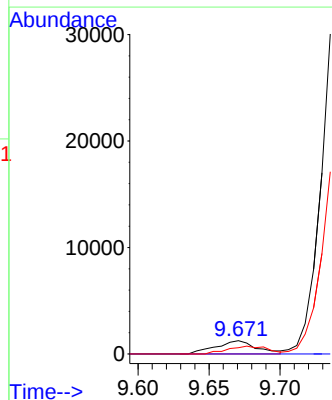
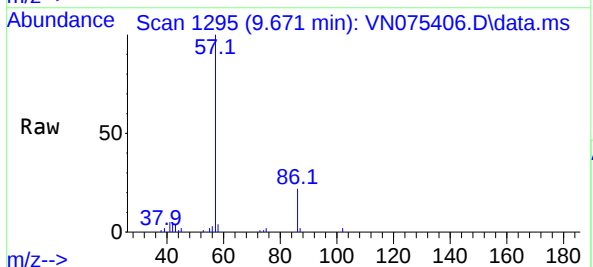
Instrument :
MSVOA_N
ClientSampleId :
TP-L

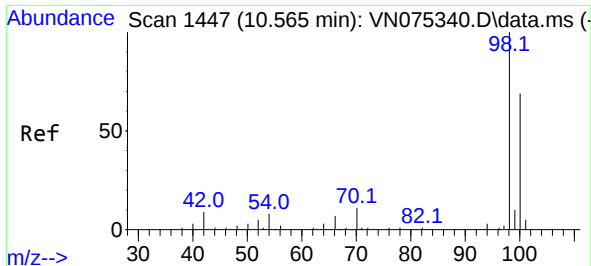
Tgt Ion: 63 Resp: 1320
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#



#48
Methyl methacrylate
Concen: 1.563 ug/l
RT: 9.671 min Scan# 1295
Delta R.T. -0.012 min
Lab File: VN075406.D
Acq: 23 Nov 2022 19:10

Tgt Ion: 41 Resp: 2479
Ion Ratio Lower Upper
41 100
69 0.0 80.2 120.2#
39 57.7 56.2 84.2

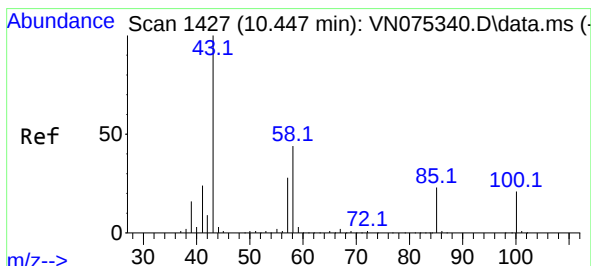
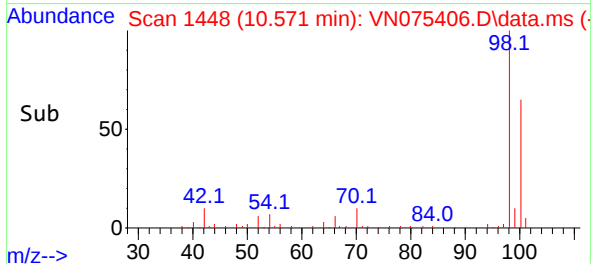
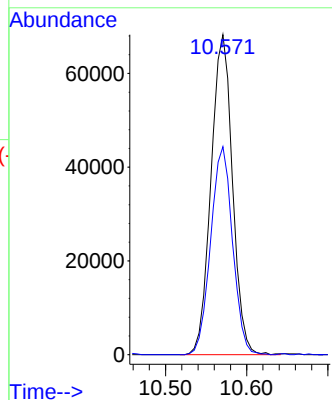
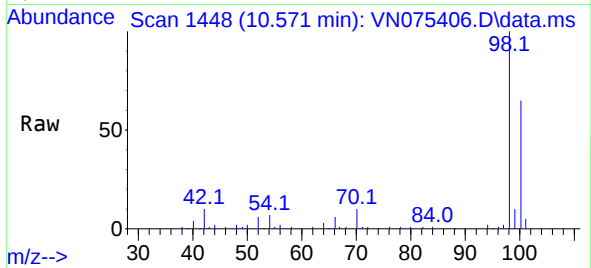




#50
Toluene-d8
Concen: 51.080 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN075406.D
Acq: 23 Nov 2022 19:10

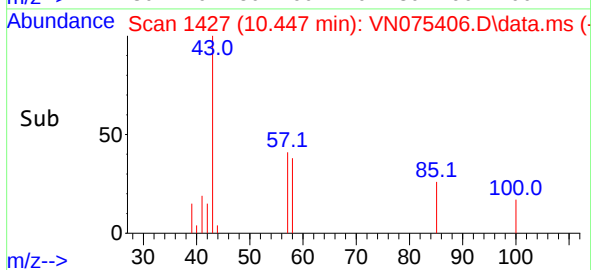
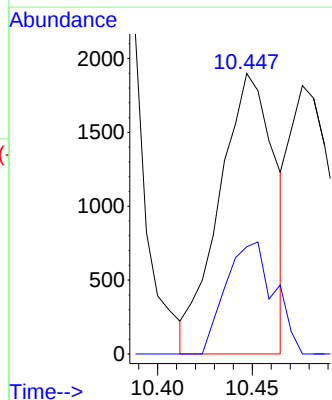
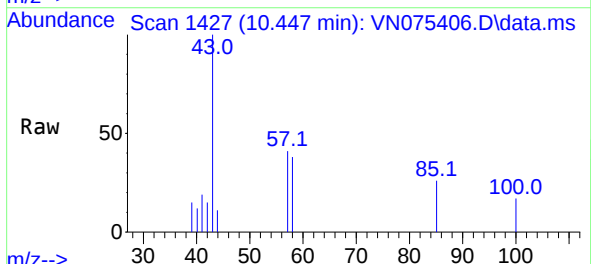
Instrument :
MSVOA_N
ClientSampleId :
TP-L

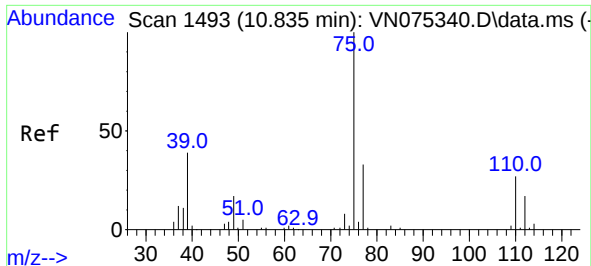
Tgt Ion: 98 Resp: 125239
Ion Ratio Lower Upper
98 100
100 66.2 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 1.754 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN075406.D
Acq: 23 Nov 2022 19:10

Tgt Ion: 43 Resp: 3834
Ion Ratio Lower Upper
43 100
58 35.0 33.6 50.4

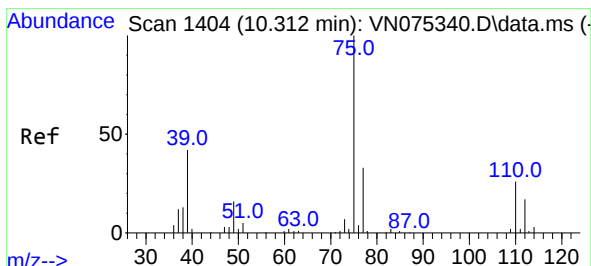
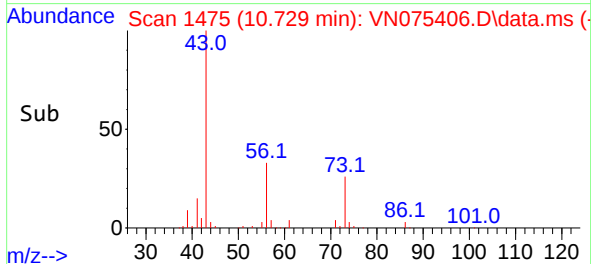
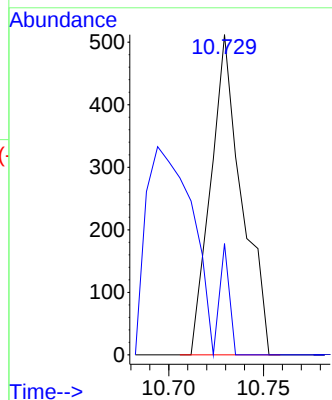
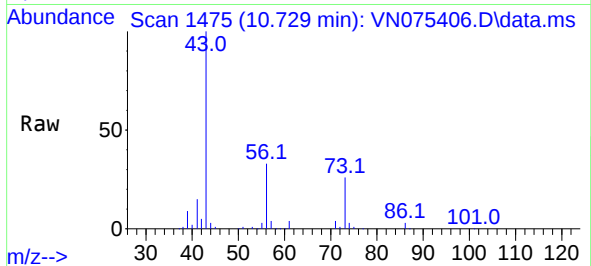




#53
t-1,3-Dichloropropene
Concen: 0.229 ug/l
RT: 10.729 min Scan# 1412
Delta R.T. -0.106 min
Lab File: VN075406.D
Acq: 23 Nov 2022 19:10

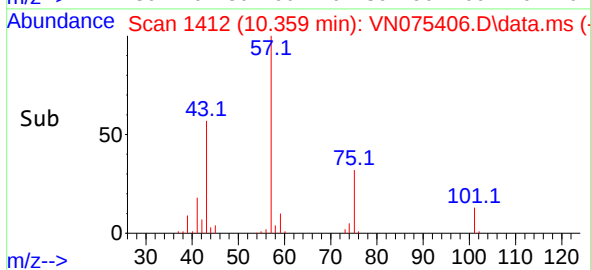
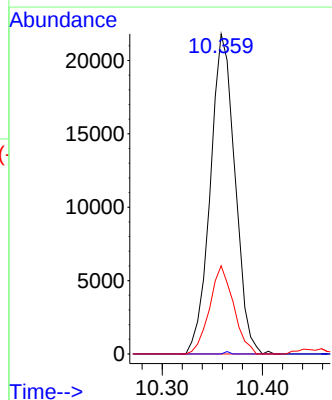
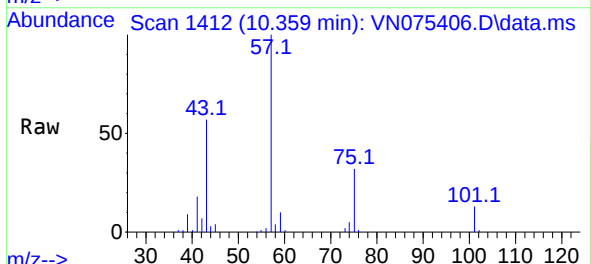
Instrument :
MSVOA_N
ClientSampleId :
TP-L

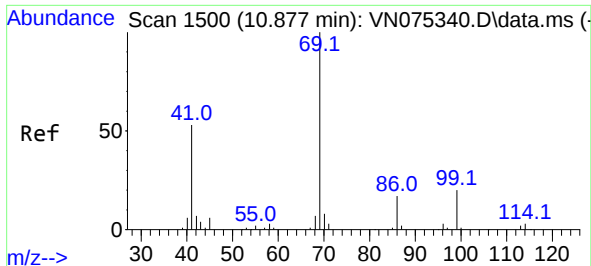
Tgt Ion: 75 Resp: 583
Ion Ratio Lower Upper
75 100
77 34.8 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 13.485 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. 0.047 min
Lab File: VN075406.D
Acq: 23 Nov 2022 19:10

Tgt Ion: 75 Resp: 37305
Ion Ratio Lower Upper
75 100
77 0.0 23.7 35.5#
39 27.5 35.8 53.6#

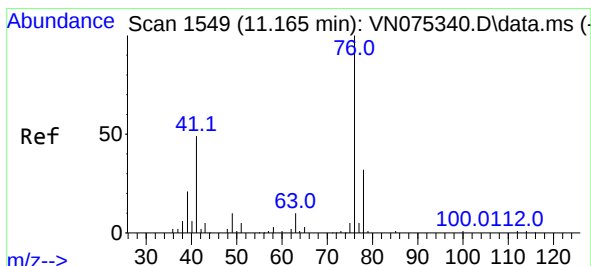
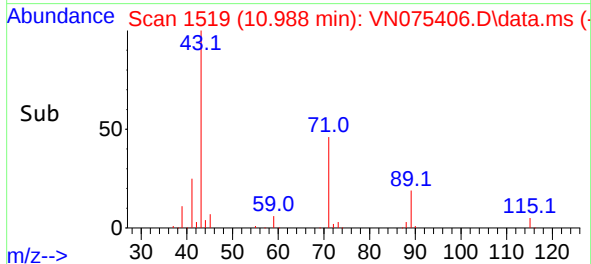
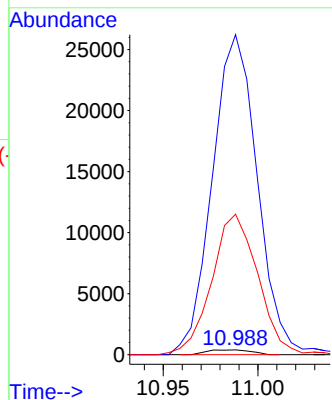
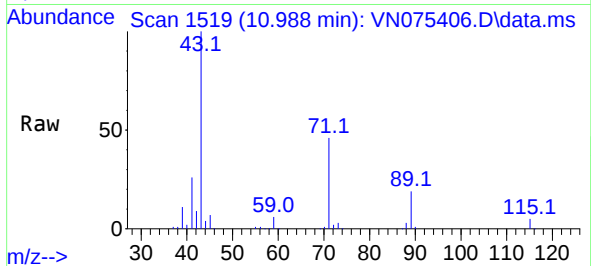




#56
Ethyl methacrylate
Concen: 0.248 ug/l
RT: 10.988 min Scan# 11
Delta R.T. 0.111 min
Lab File: VN075406.D
Acq: 23 Nov 2022 19:10

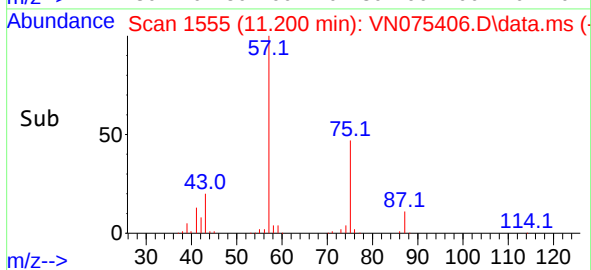
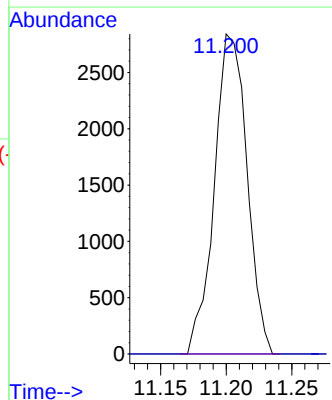
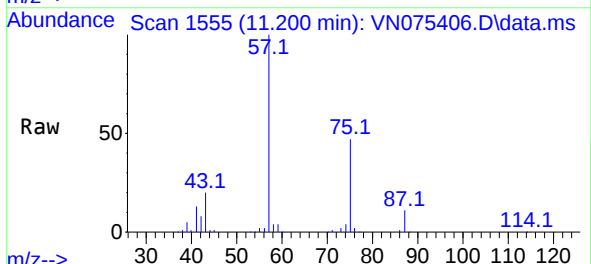
Instrument :
MSVOA_N
ClientSampleId :
TP-L

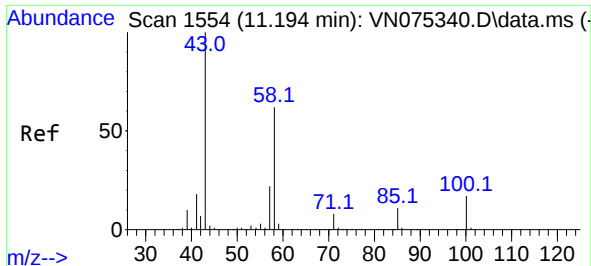
Tgt Ion: 69 Resp: 638
Ion Ratio Lower Upper
69 100
41 6853.9 45.6 68.4#
39 3067.9 28.5 42.7#



#57
1,3-Dichloropropane
Concen: 1.584 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. 0.035 min
Lab File: VN075406.D
Acq: 23 Nov 2022 19:10

Tgt Ion: 76 Resp: 4926
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

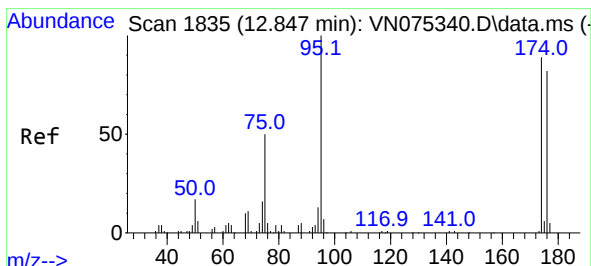
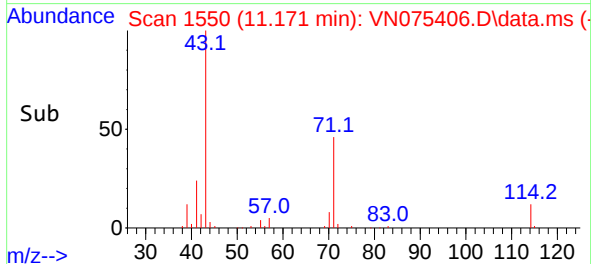
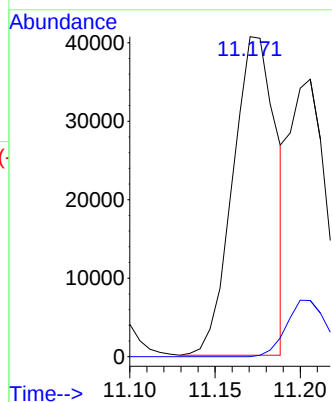
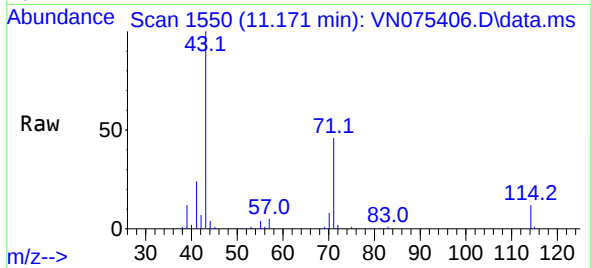




#59
2-Hexanone
Concen: 43.755 ug/l
RT: 11.171 min Scan# 11550
Delta R.T. -0.023 min
Lab File: VN075406.D
Acq: 23 Nov 2022 19:10

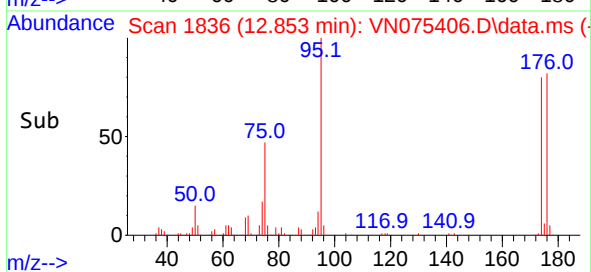
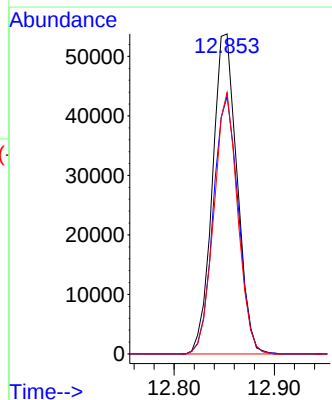
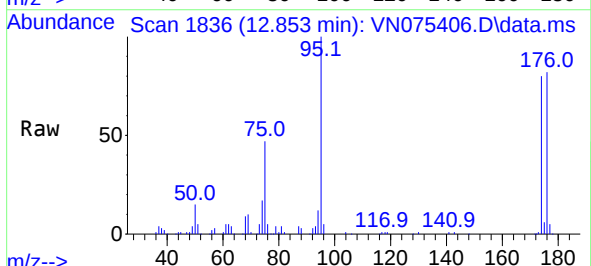
Instrument :
MSVOA_N
ClientSampleId :
TP-L

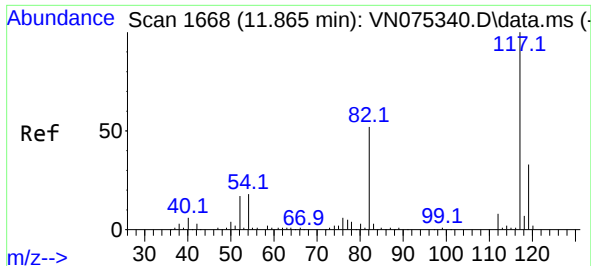
Tgt Ion: 43 Resp: 71801
Ion Ratio Lower Upper
43 100
58 0.0 29.6 88.8#



#62
4-Bromofluorobenzene
Concen: 50.767 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN075406.D
Acq: 23 Nov 2022 19:10

Tgt Ion: 95 Resp: 91872
Ion Ratio Lower Upper
95 100
174 81.4 0.0 147.4
176 78.9 0.0 142.2

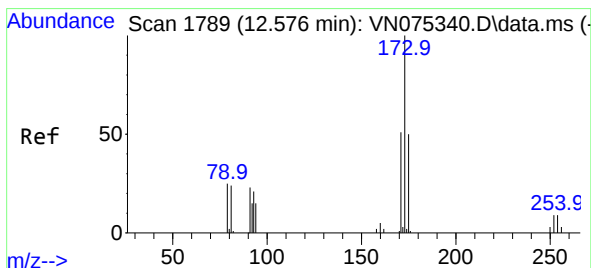
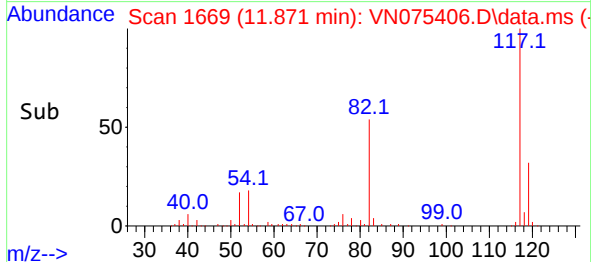
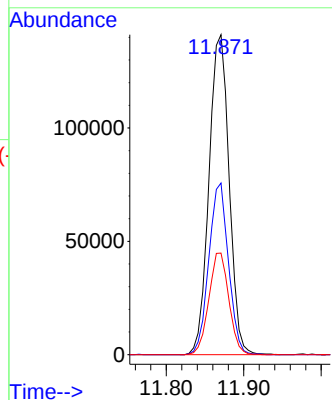
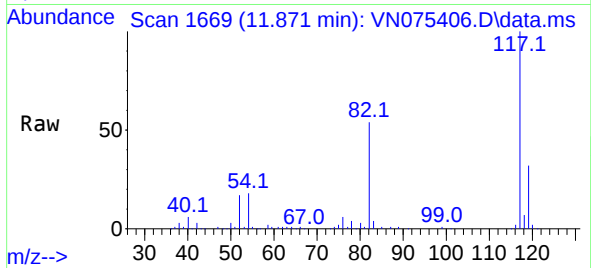




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN075406.D
Acq: 23 Nov 2022 19:10

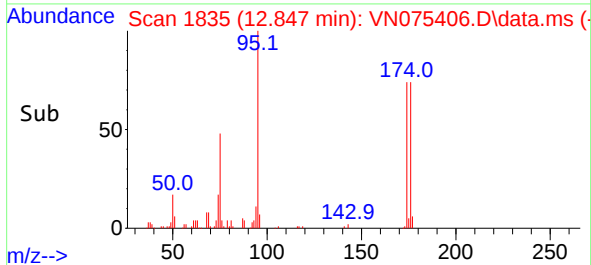
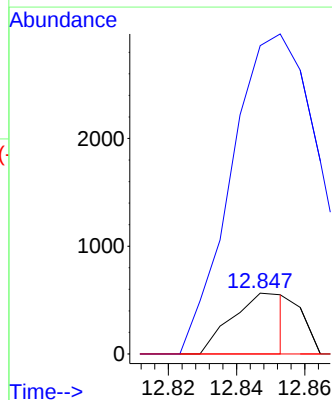
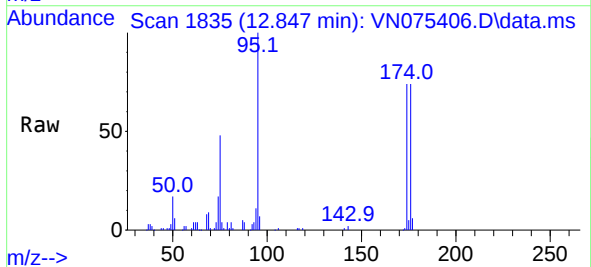
Instrument :
MSVOA_N
ClientSampleId :
TP-L

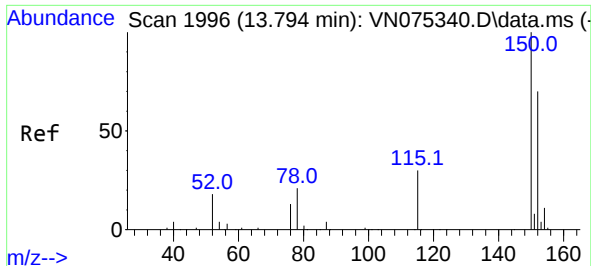
Tgt Ion:117 Resp: 255443
Ion Ratio Lower Upper
117 100
82 53.7 43.1 64.7
119 31.7 25.5 38.3



#71
Bromoform
Concen: 0.414 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.271 min
Lab File: VN075406.D
Acq: 23 Nov 2022 19:10

Tgt Ion:173 Resp: 620
Ion Ratio Lower Upper
173 100
175 0.0 24.6 74.0#
254 0.0 0.0 0.0

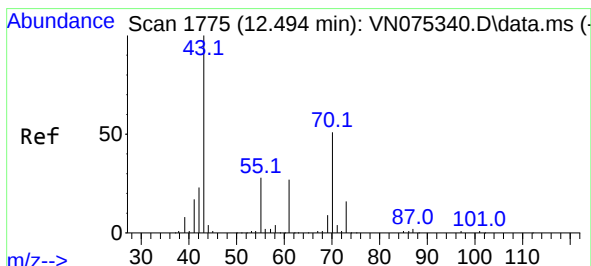
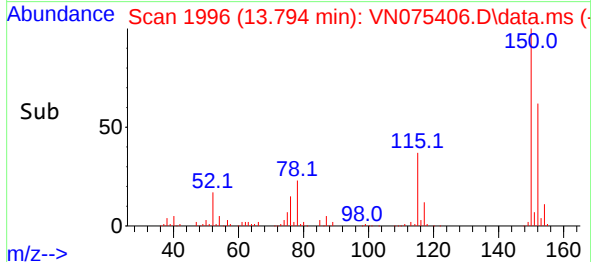
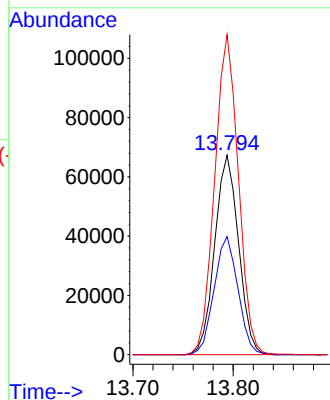
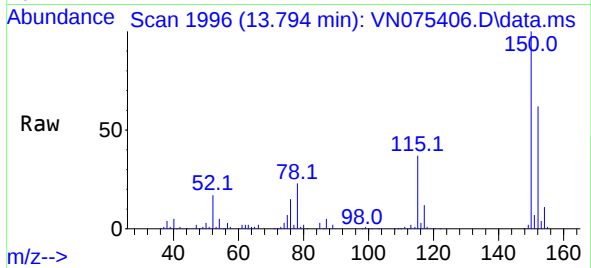




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075406.D
Acq: 23 Nov 2022 19:10

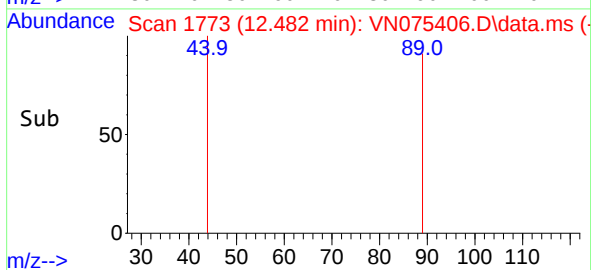
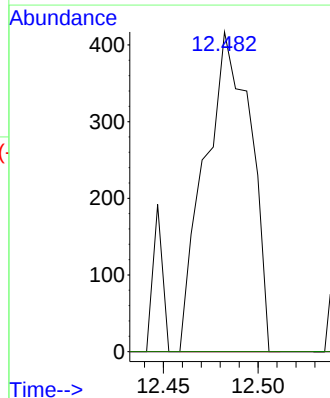
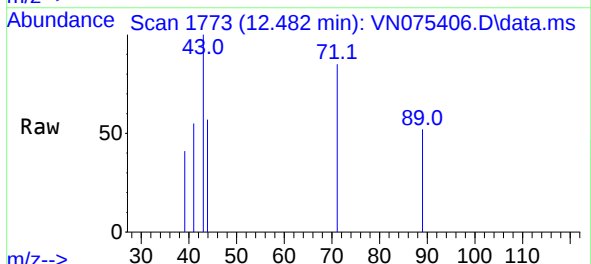
Instrument :
MSVOA_N
ClientSampleId :
TP-L

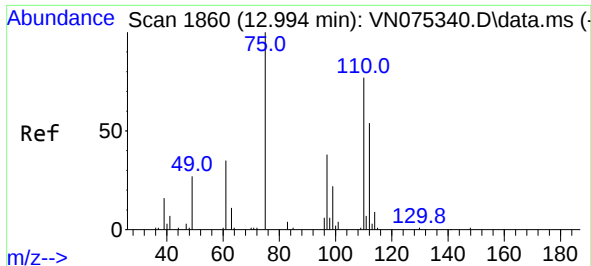
Tgt Ion:152 Resp: 110883
Ion Ratio Lower Upper
152 100
115 59.4 30.2 90.6
150 159.7 0.0 348.4



#74
N-ethyl acetate
Concen: 0.283 ug/l
RT: 12.482 min Scan# 1773
Delta R.T. -0.012 min
Lab File: VN075406.D
Acq: 23 Nov 2022 19:10

Tgt Ion: 43 Resp: 706
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#

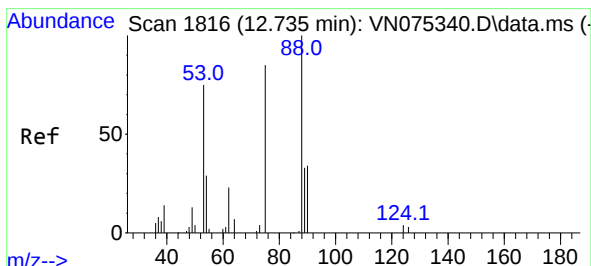
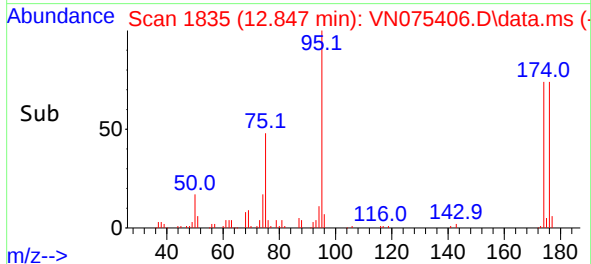
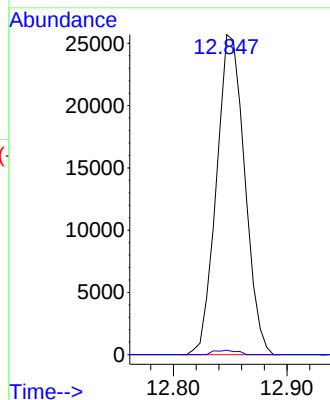
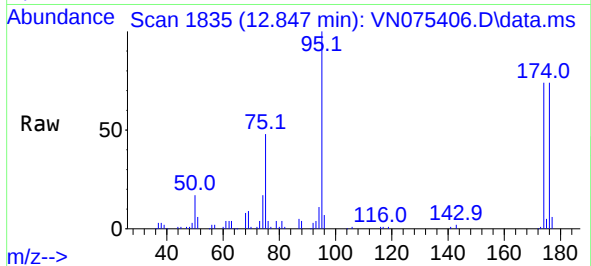




#76
1,2,3-Trichloropropane
Concen: 21.174 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075406.D
Acq: 23 Nov 2022 19:10

Instrument :
MSVOA_N
ClientSampleId :
TP-L

Tgt Ion: 75 Resp: 44391
Ion Ratio Lower Upper
75 100
77 1.2 75.6 226.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.648 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.112 min
Lab File: VN075406.D
Acq: 23 Nov 2022 19:10

Tgt Ion: 75 Resp: 44391
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#

