

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110222\
 Data File : VN075119.D
 Acq On : 02 Nov 2022 16:03
 Operator : JC\MD
 Sample : N5396-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-F

Quant Time: Nov 03 04:18:45 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)

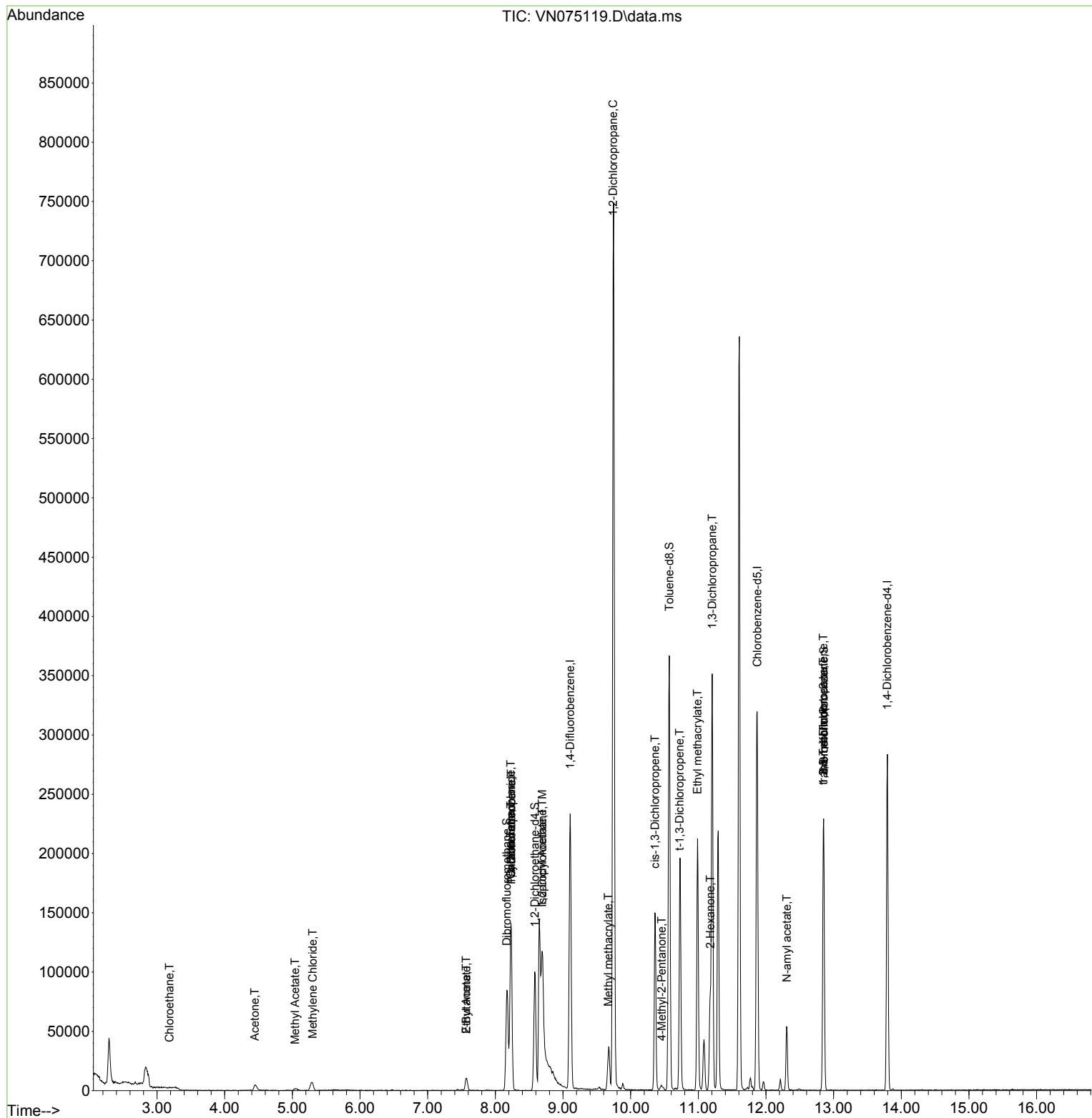
Internal Standards						
1) Pentafluorobenzene	8.235	168	97997	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	197906	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	184796	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	71795	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	80805	61.198	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 122.400%			
35) Dibromofluoromethane	8.171	113	61342	52.799	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.600%			
50) Toluene-d8	10.570	98	248541	55.139	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.280%			
62) 4-Bromofluorobenzene	12.853	95	76863	48.543	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.080%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.871	94	54	Below Cal	#	5
6) Chloroethane	3.183	64	440	0.318	ug/l #	45
16) Acetone	4.447	43	9843	17.605	ug/l	92
18) Methyl Acetate	5.041	43	1547	0.847	ug/l #	66
20) Methylene Chloride	5.300	84	5898	4.731	ug/l #	89
25) 2-Butanone	7.571	43	15992	18.185	ug/l #	43
31) Cyclohexane	8.229	56	2428	1.236	ug/l #	44
36) 1,1-Dichloropropene	8.235	75	9085	5.051	ug/l #	49
37) Ethyl Acetate	7.571	43	15992	8.107	ug/l	97
38) Carbon Tetrachloride	8.229	117	10900	5.509	ug/l #	17
42) 1,2-Dichloroethane	8.694	62	505	0.252	ug/l #	75
43) Isopropyl Acetate	8.694	43	126572	41.367	ug/l #	78
45) 1,2-Dichloropropane	9.741	63	940	0.717	ug/l #	42
48) Methyl methacrylate	9.671	41	2031	1.447	ug/l #	37
51) 4-Methyl-2-Pentanone	10.459	43	4746	2.404	ug/l #	65
53) t-1,3-Dichloropropene	10.723	75	521	0.250	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	27123	12.252	ug/l #	68
56) Ethyl methacrylate	10.988	69	809	0.363	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	3828	1.575	ug/l #	42
59) 2-Hexanone	11.176	43	56105	37.440	ug/l #	21
71) Bromoform	12.853	173	541	0.494	ug/l #	1
74) N-amyl acetate	12.306	43	16479	7.730	ug/l #	47
76) 1,2,3-Trichloropropane	12.847	75	43429	28.489	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	43429	73.132	ug/l #	10

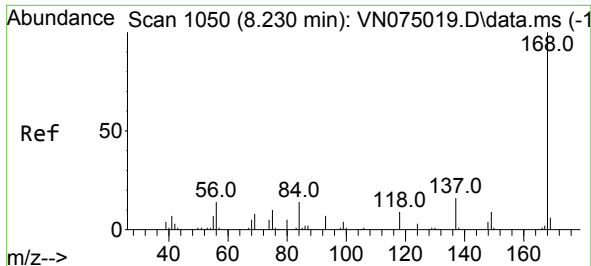
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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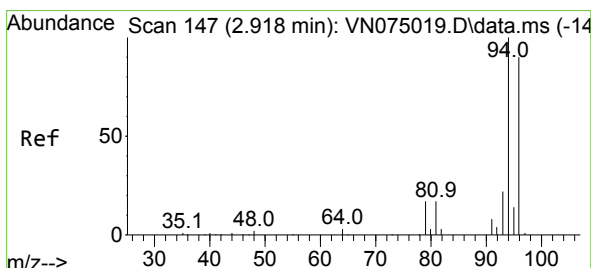
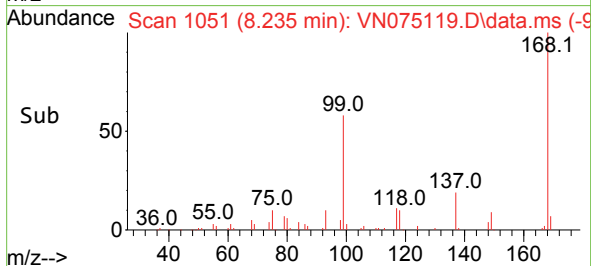
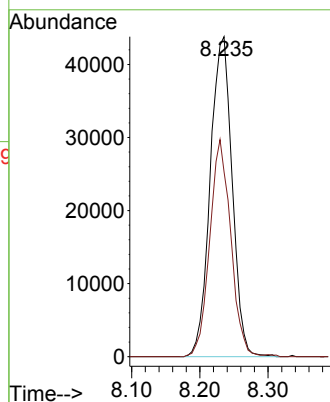
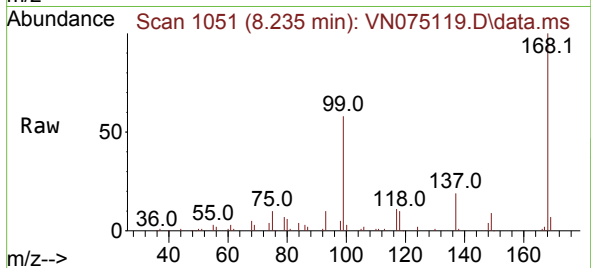




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN075119.D
Acq: 02 Nov 2022 16:03

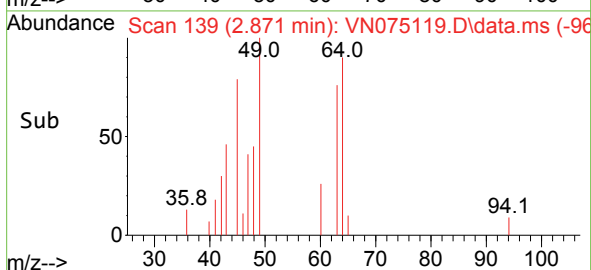
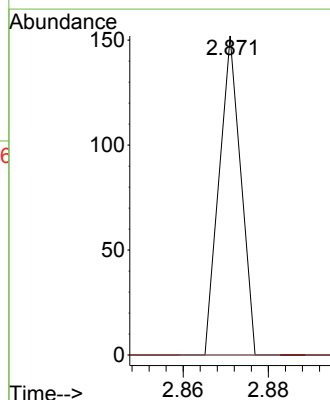
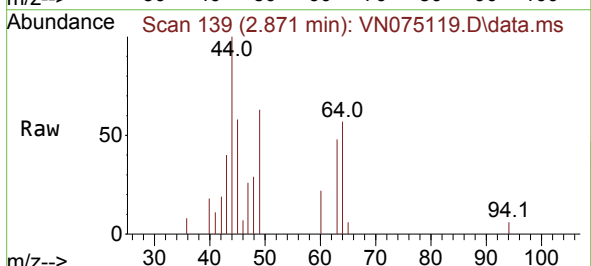
Instrument :
MSVOA_N
ClientSampleId :
TP-F

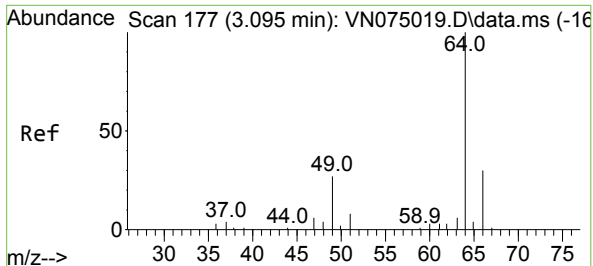
Tgt Ion:168 Resp: 97997
Ion Ratio Lower Upper
168 100
99 57.8 51.6 77.4



#5
Bromomethane
Concen: Below Cal
RT: 2.871 min Scan# 139
Delta R.T. -0.047 min
Lab File: VN075119.D
Acq: 02 Nov 2022 16:03

Tgt Ion: 94 Resp: 54
Ion Ratio Lower Upper
94 100
96 0.0 71.8 107.6#

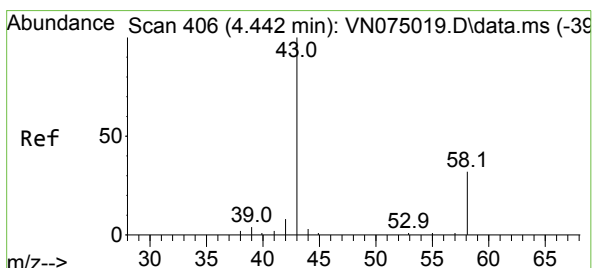
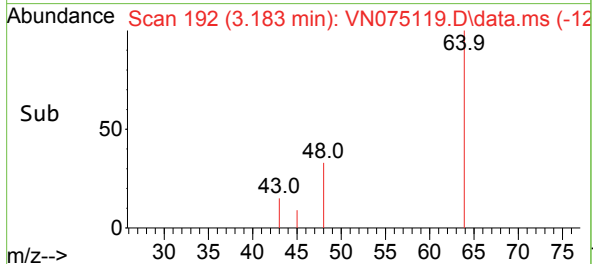
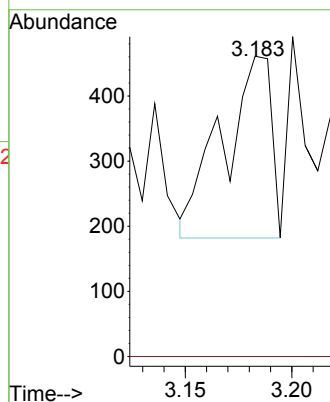
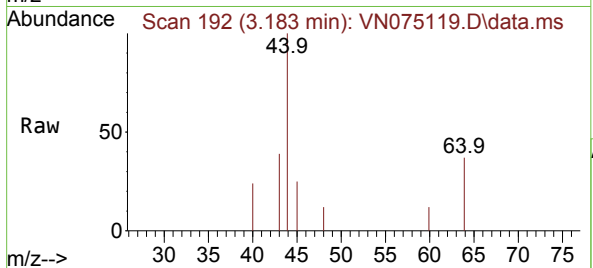




#6
Chloroethane
Concen: 0.318 ug/l
RT: 3.183 min Scan# 192
Delta R.T. 0.088 min
Lab File: VN075119.D
Acq: 02 Nov 2022 16:03

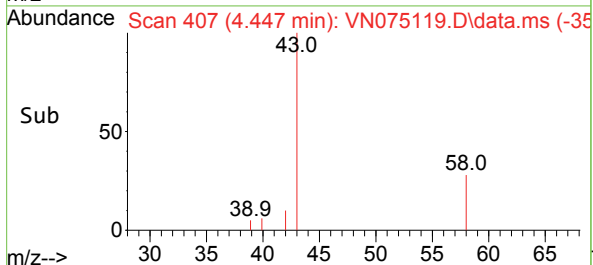
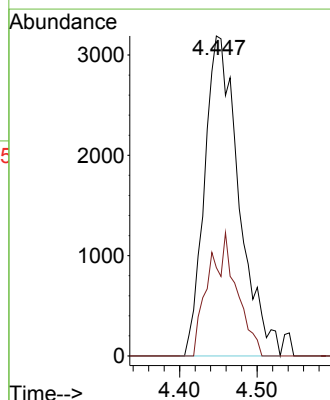
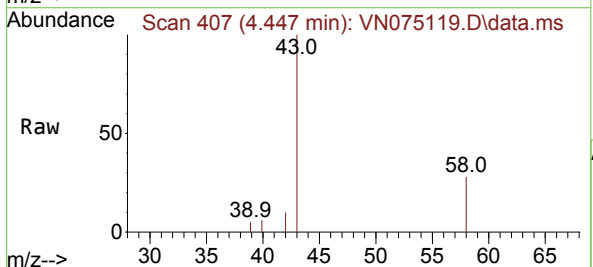
Instrument :
MSVOA_N
ClientSampleId :
TP-F

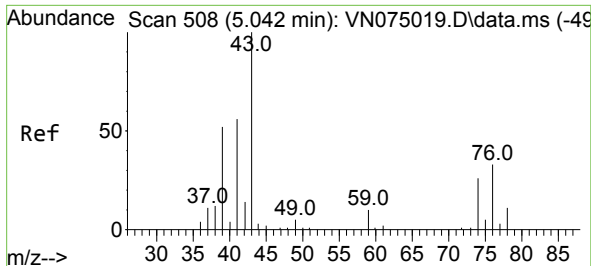
Tgt Ion: 64 Resp: 440
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#



#16
Acetone
Concen: 17.605 ug/l
RT: 4.447 min Scan# 407
Delta R.T. 0.005 min
Lab File: VN075119.D
Acq: 02 Nov 2022 16:03

Tgt Ion: 43 Resp: 9843
Ion Ratio Lower Upper
43 100
58 27.6 25.5 38.3

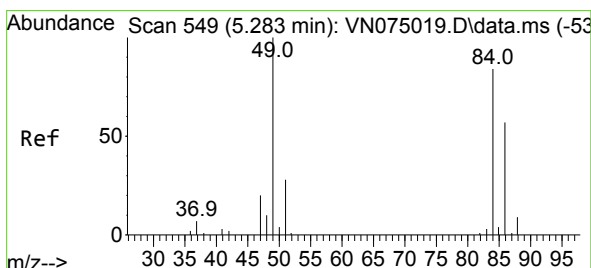
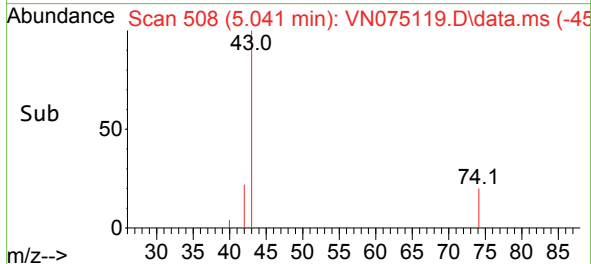
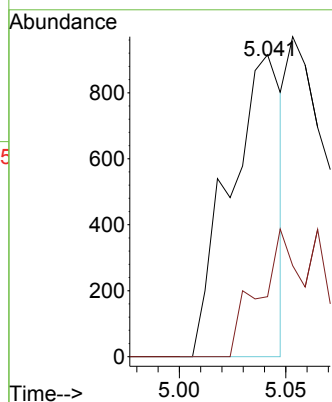
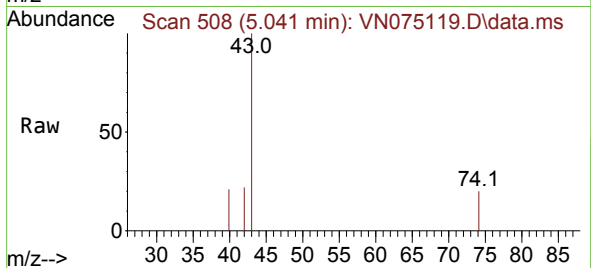




#18
Methyl Acetate
Concen: 0.847 ug/l
RT: 5.041 min Scan# 508
Delta R.T. -0.001 min
Lab File: VN075119.D
Acq: 02 Nov 2022 16:03

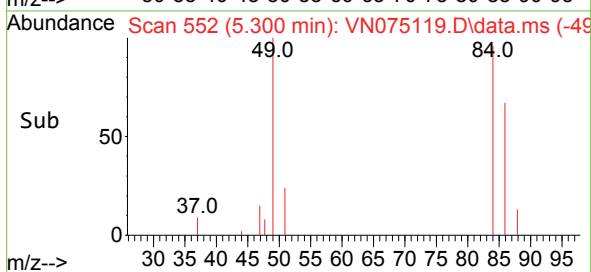
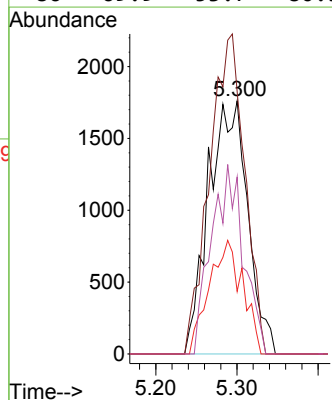
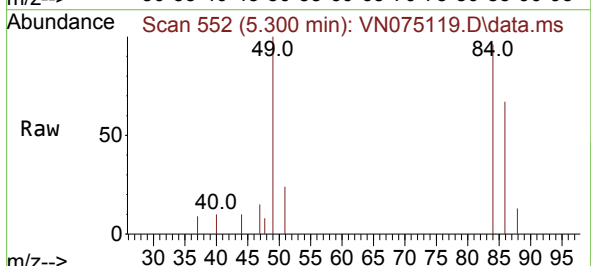
Instrument :
MSVOA_N
ClientSampleId :
TP-F

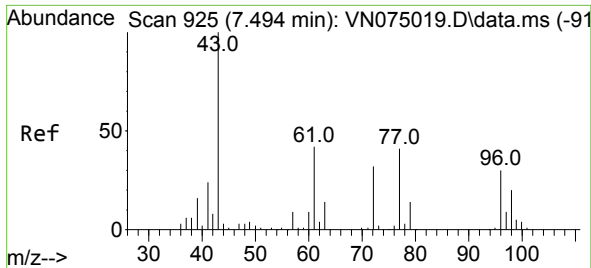
Tgt Ion: 43 Resp: 1547
Ion Ratio Lower Upper
43 100
74 45.1 22.0 33.0#



#20
Methylene Chloride
Concen: 4.731 ug/l
RT: 5.300 min Scan# 552
Delta R.T. 0.017 min
Lab File: VN075119.D
Acq: 02 Nov 2022 16:03

Tgt Ion: 84 Resp: 5898
Ion Ratio Lower Upper
84 100
49 103.6 94.9 142.3
51 24.7 26.8 40.2#
86 69.9 53.7 80.5

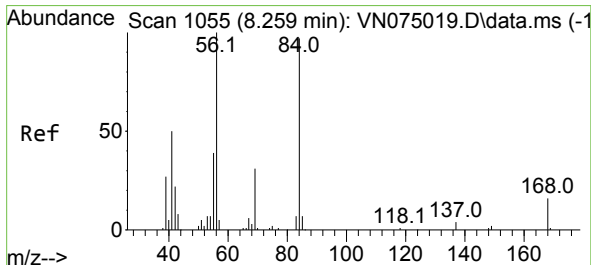
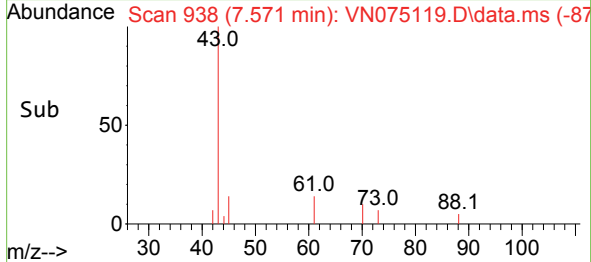
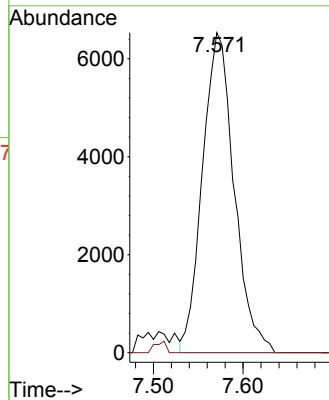
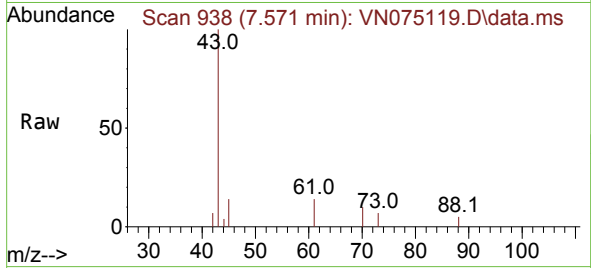




#25
2-Butanone
Concen: 18.185 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.077 min
Lab File: VN075119.D
Acq: 02 Nov 2022 16:03

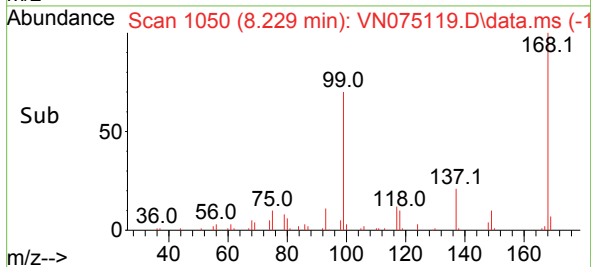
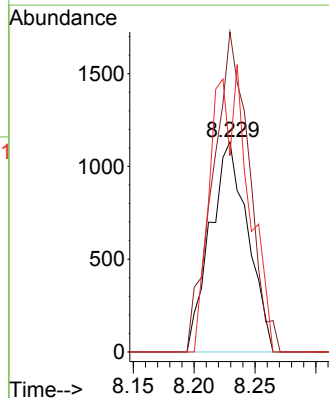
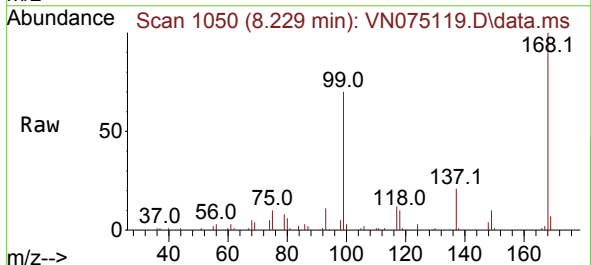
Instrument :
MSVOA_N
ClientSampleId :
TP-F

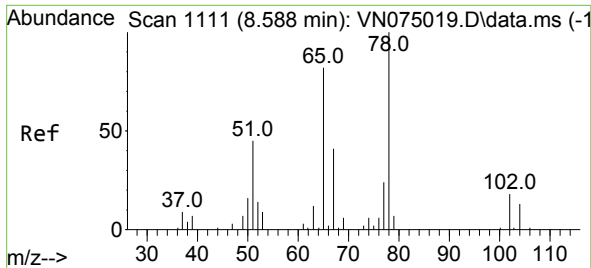
Tgt Ion: 43 Resp: 15992
Ion Ratio Lower Upper
43 100
72 0.0 25.5 38.3#



#31
Cyclohexane
Concen: 1.236 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.030 min
Lab File: VN075119.D
Acq: 02 Nov 2022 16:03

Tgt Ion: 56 Resp: 2428
Ion Ratio Lower Upper
56 100
69 152.4 25.2 37.8#
84 93.5 77.8 116.8





#33

1,2-Dichloroethane-d4

Concen: 61.198 ug/l

RT: 8.582 min Scan# 1111

Delta R.T. -0.006 min

Lab File: VN075119.D

Acq: 02 Nov 2022 16:03

Instrument :

MSVOA_N

ClientSampleId :

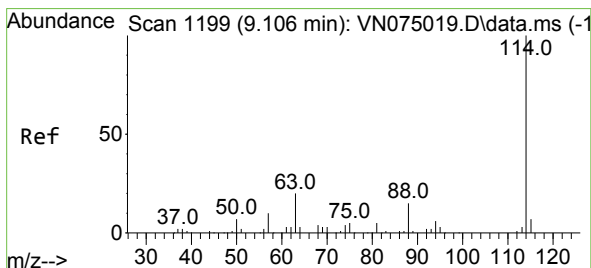
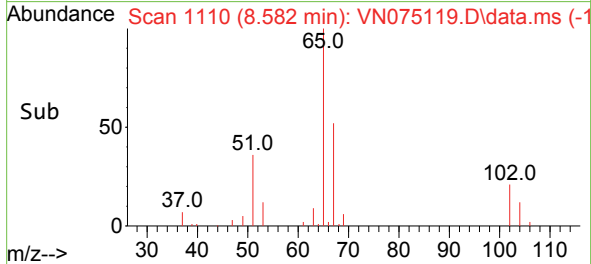
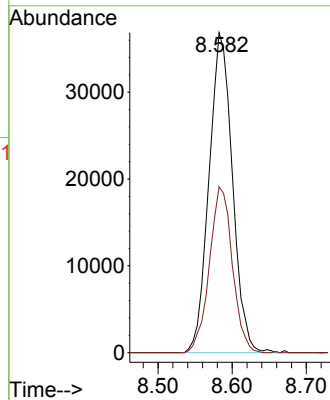
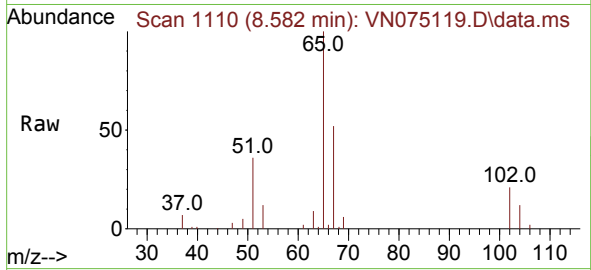
TP-F

Tgt Ion: 65 Resp: 80805

Ion Ratio Lower Upper

65 100

67 50.9 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: VN075119.D

Acq: 02 Nov 2022 16:03

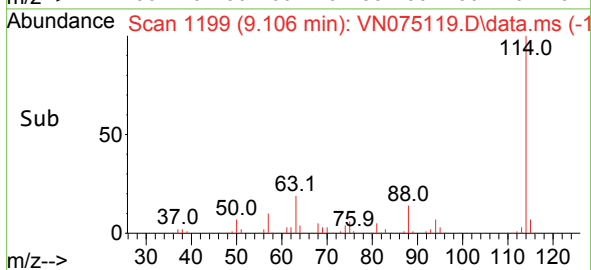
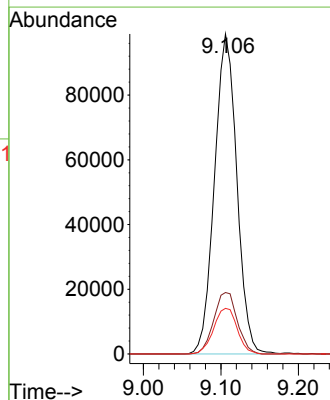
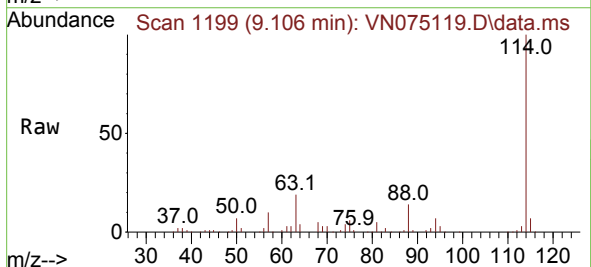
Tgt Ion: 114 Resp: 197906

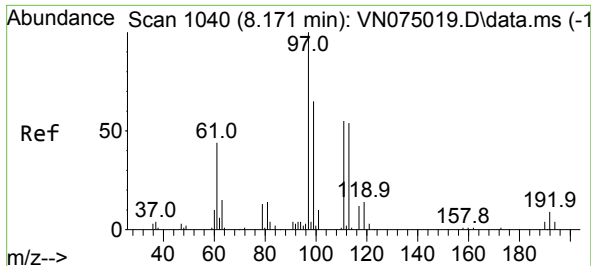
Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.6

88 14.2 0.0 29.0





#35

Dibromofluoromethane

Concen: 52.799 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075119.D

Acq: 02 Nov 2022 16:03

Instrument :

MSVOA_N

ClientSampleId :

TP-F

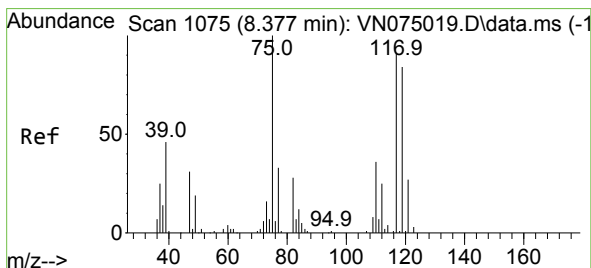
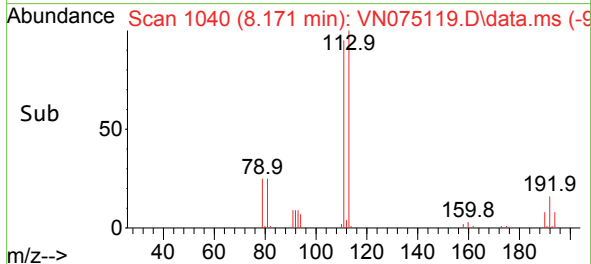
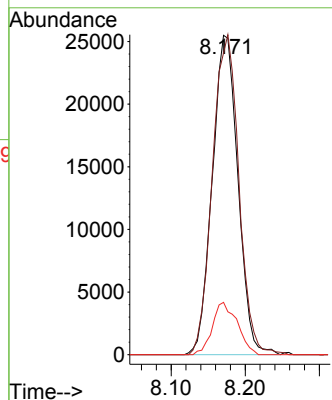
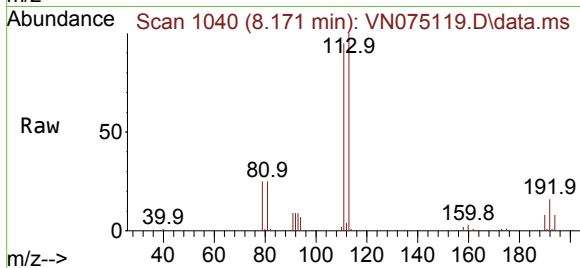
Tgt Ion:113 Resp: 61342

Ion Ratio Lower Upper

113 100

111 103.1 80.5 120.7

192 15.9 13.2 19.8



#36

1,1-Dichloropropene

Concen: 5.051 ug/l

RT: 8.235 min Scan# 1051

Delta R.T. -0.142 min

Lab File: VN075119.D

Acq: 02 Nov 2022 16:03

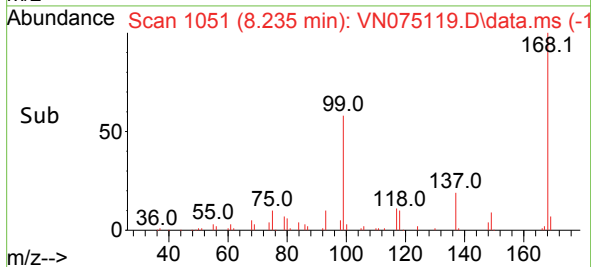
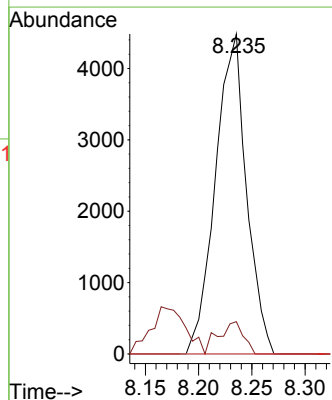
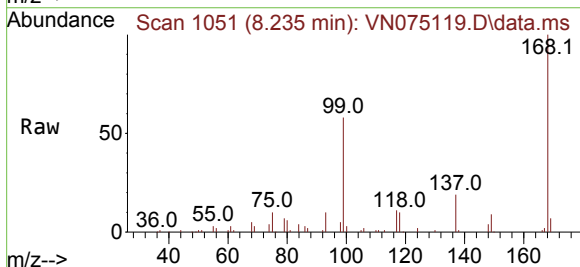
Tgt Ion: 75 Resp: 9085

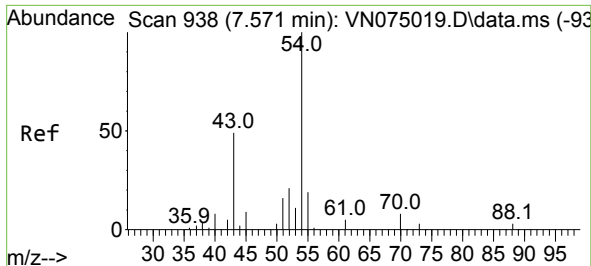
Ion Ratio Lower Upper

75 100

110 8.1 17.8 53.3#

77 0.0 24.6 37.0#

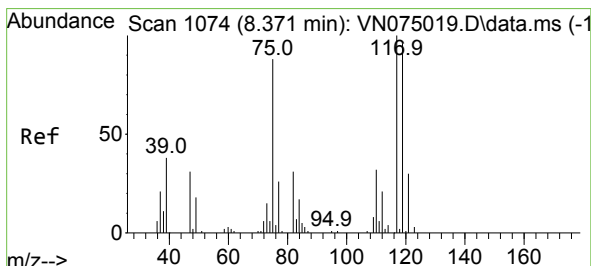
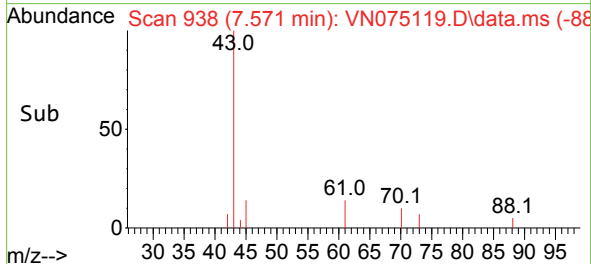
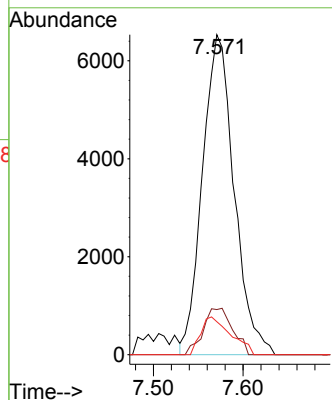
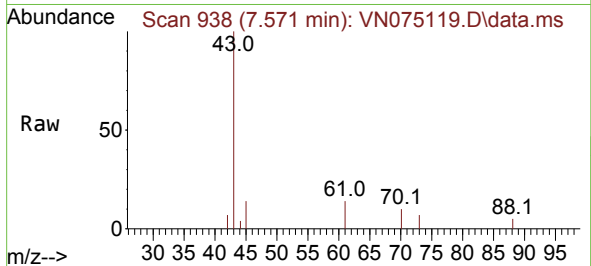




#37
Ethyl Acetate
Concen: 8.107 ug/l
RT: 7.571 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN075119.D
Acq: 02 Nov 2022 16:03

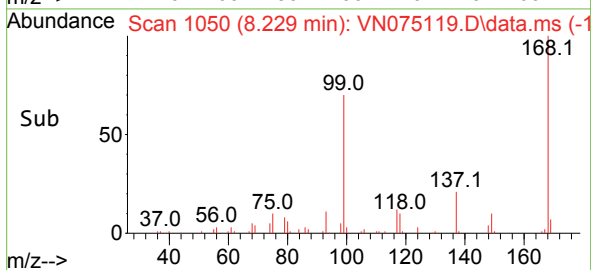
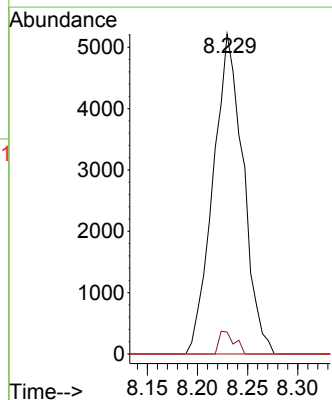
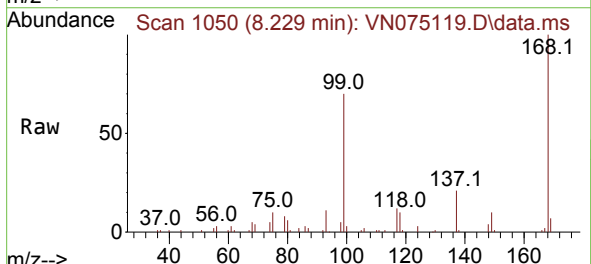
Instrument :
MSVOA_N
ClientSampleId :
TP-F

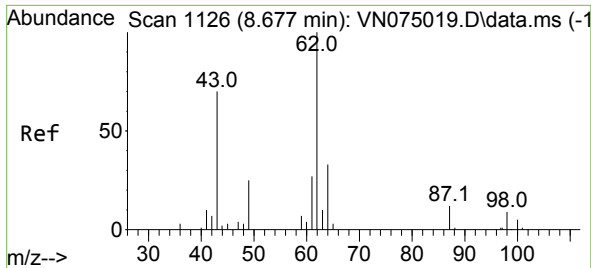
Tgt Ion:	43	Resp:	15992
Ion	Ratio	Lower	Upper
43	100		
61	13.5	12.2	18.4
70	11.1	9.4	14.2



#38
Carbon Tetrachloride
Concen: 5.509 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.142 min
Lab File: VN075119.D
Acq: 02 Nov 2022 16:03

Tgt Ion:	117	Resp:	10900
Ion	Ratio	Lower	Upper
117	100		
119	6.8	76.7	115.1#
121	0.0	23.9	35.9#





#42

1,2-Dichloroethane

Concen: 0.252 ug/l

RT: 8.694 min Scan# 1129

Delta R.T. 0.017 min

Lab File: VN075119.D

Acq: 02 Nov 2022 16:03

Instrument :

MSVOA_N

ClientSampleId :

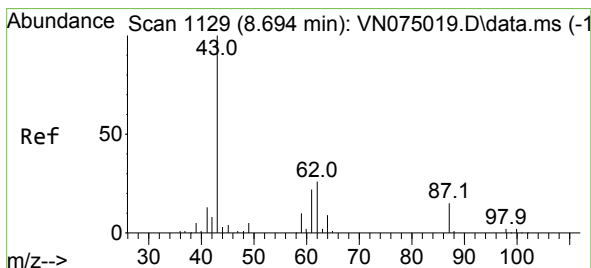
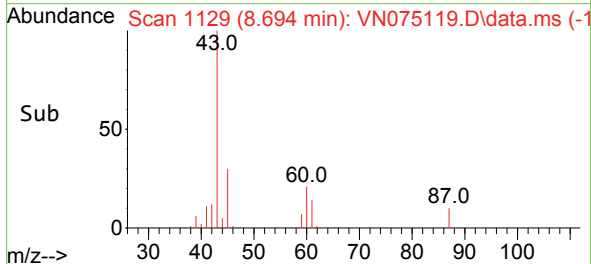
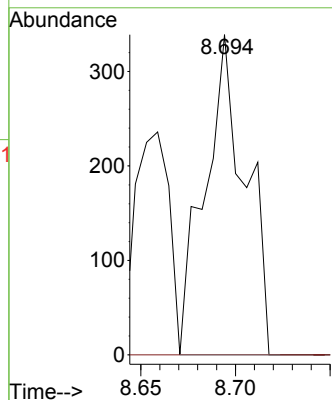
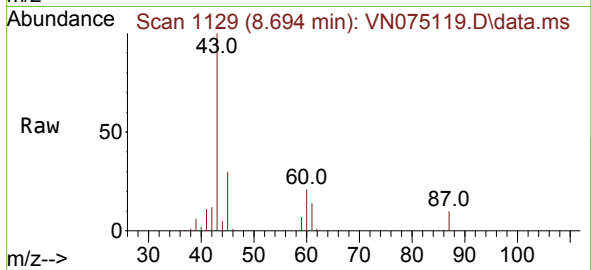
TP-F

Tgt Ion: 62 Resp: 505

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2



#43

Isopropyl Acetate

Concen: 41.367 ug/l

RT: 8.694 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VN075119.D

Acq: 02 Nov 2022 16:03

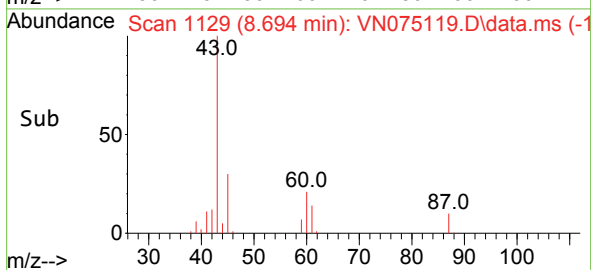
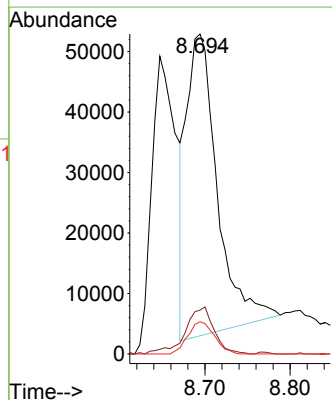
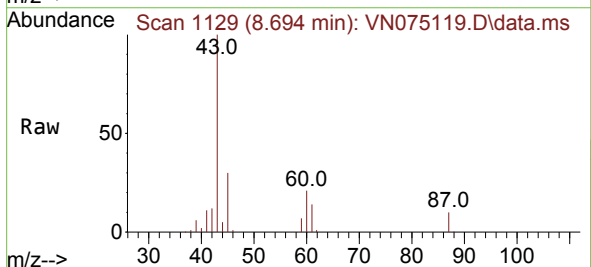
Tgt Ion: 43 Resp: 126572

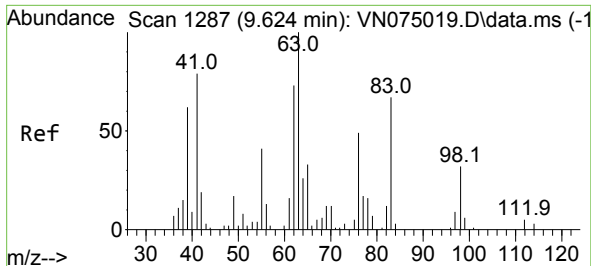
Ion Ratio Lower Upper

43 100

61 14.5 22.4 33.6#

87 9.1 12.5 18.7#





#45

1,2-Dichloropropane

Concen: 0.717 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.117 min

Lab File: VN075119.D

Acq: 02 Nov 2022 16:03

Instrument :

MSVOA_N

ClientSampleId :

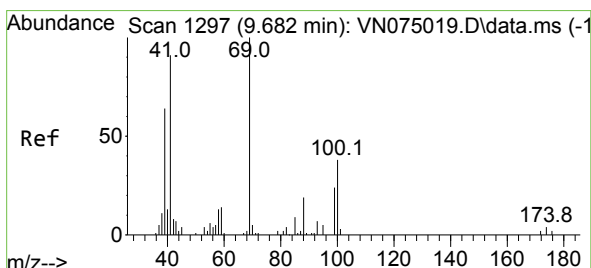
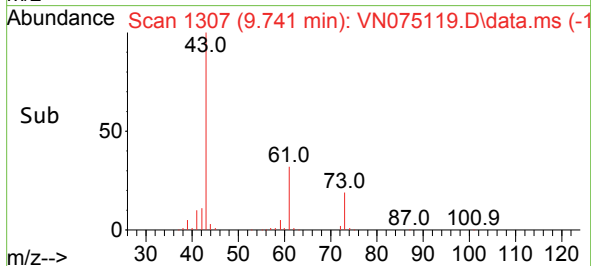
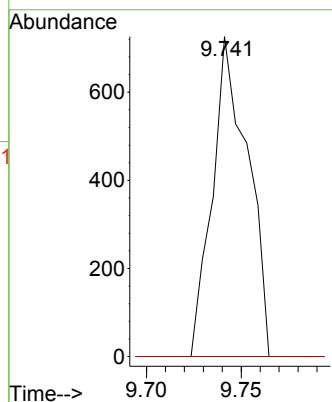
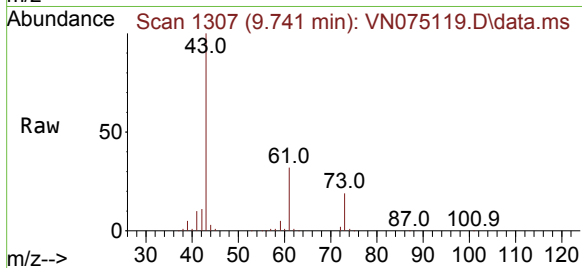
TP-F

Tgt Ion: 63 Resp: 940

Ion Ratio Lower Upper

63 100

65 0.0 26.1 39.1#



#48

Methyl methacrylate

Concen: 1.447 ug/l

RT: 9.671 min Scan# 1295

Delta R.T. -0.011 min

Lab File: VN075119.D

Acq: 02 Nov 2022 16:03

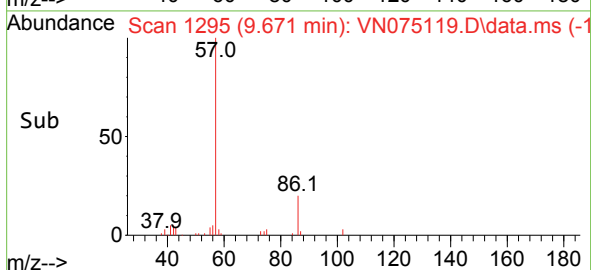
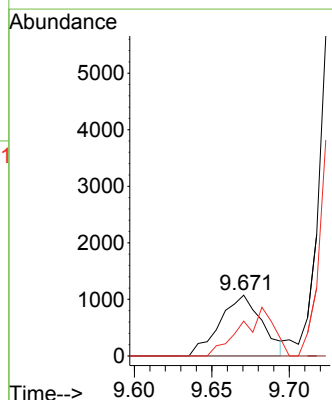
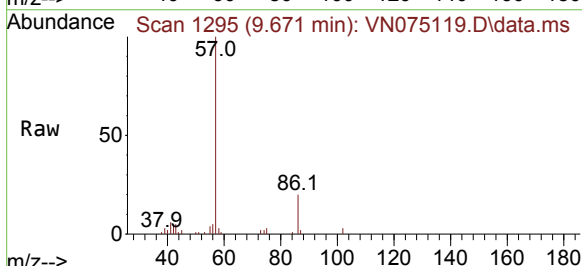
Tgt Ion: 41 Resp: 2031

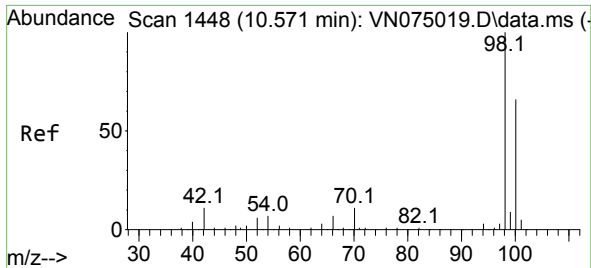
Ion Ratio Lower Upper

41 100

69 0.0 80.2 120.2#

39 62.8 56.2 84.2

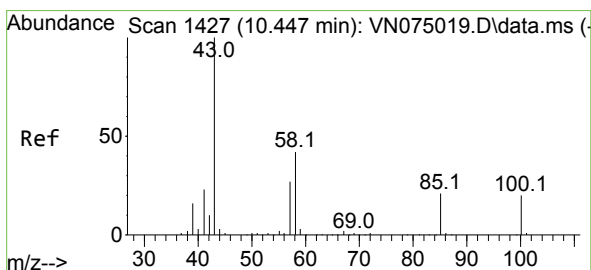
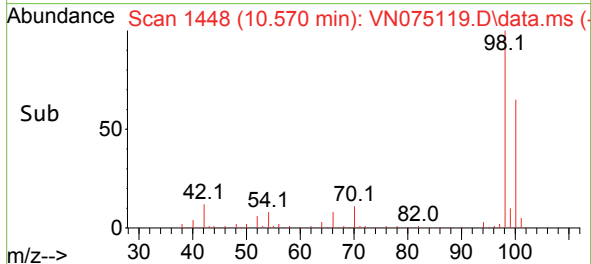
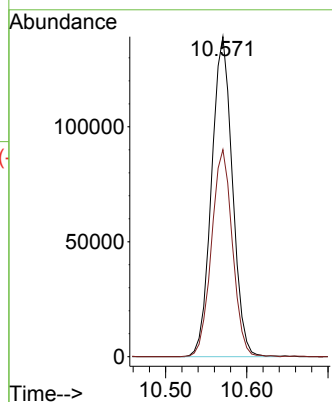
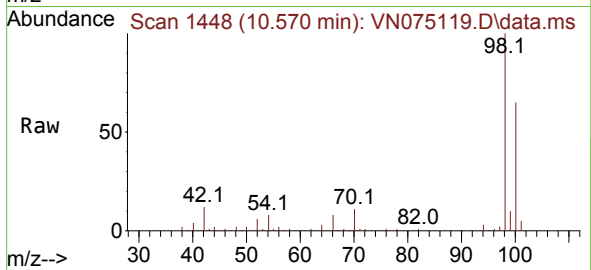




#50
Toluene-d8
Concen: 55.139 ug/l
RT: 10.570 min Scan# 1448
Delta R.T. -0.001 min
Lab File: VN075119.D
Acq: 02 Nov 2022 16:03

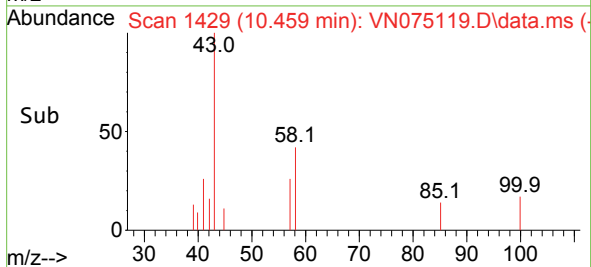
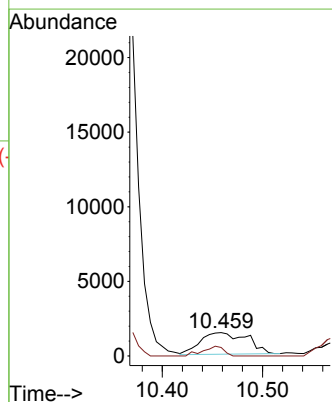
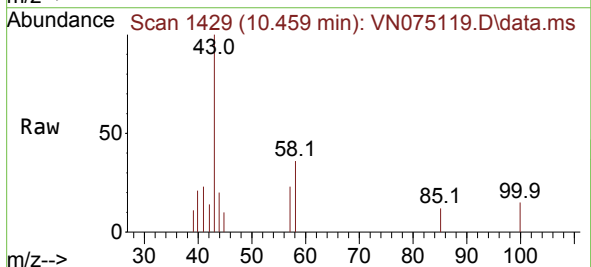
Instrument :
MSVOA_N
ClientSampleId :
TP-F

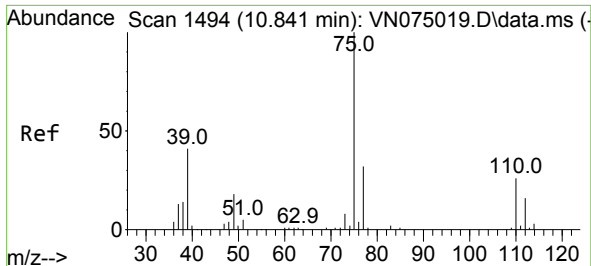
Tgt Ion: 98 Resp: 248541
Ion Ratio Lower Upper
98 100
100 64.9 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 2.404 ug/l
RT: 10.459 min Scan# 1429
Delta R.T. 0.012 min
Lab File: VN075119.D
Acq: 02 Nov 2022 16:03

Tgt Ion: 43 Resp: 4746
Ion Ratio Lower Upper
43 100
58 20.0 33.6 50.4#

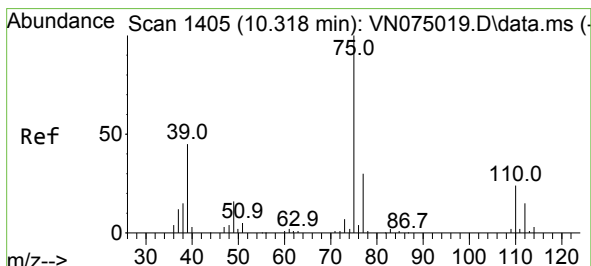
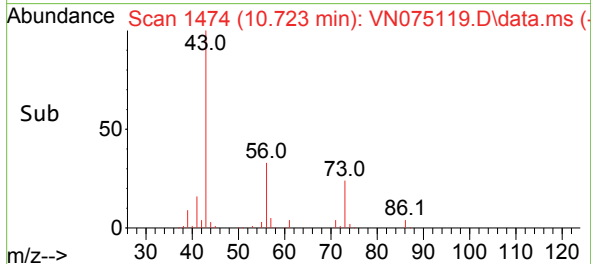
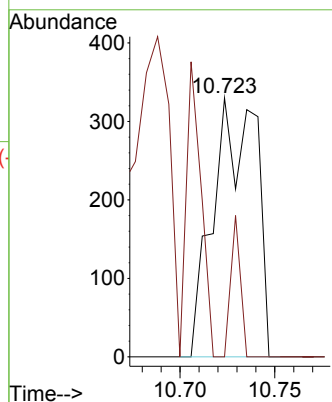
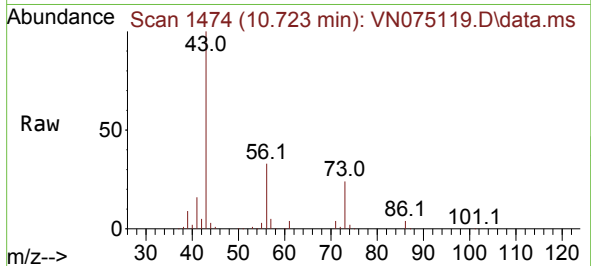




#53
 t-1,3-Dichloropropene
 Concen: 0.250 ug/l
 RT: 10.723 min Scan# 1410
 Delta R.T. -0.118 min
 Lab File: VN075119.D
 Acq: 02 Nov 2022 16:03

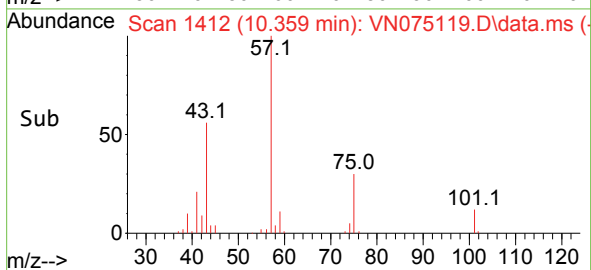
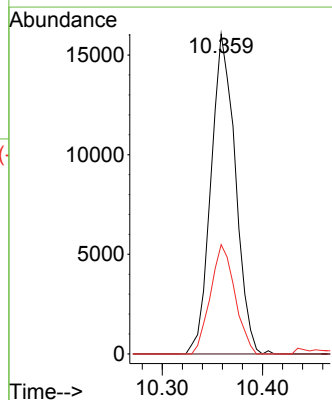
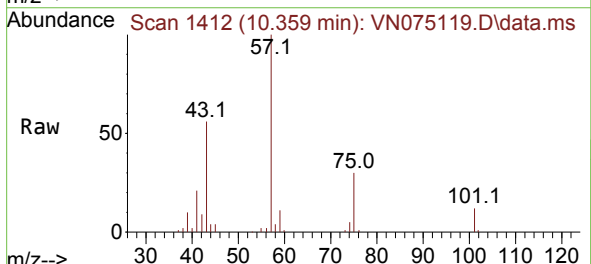
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-F

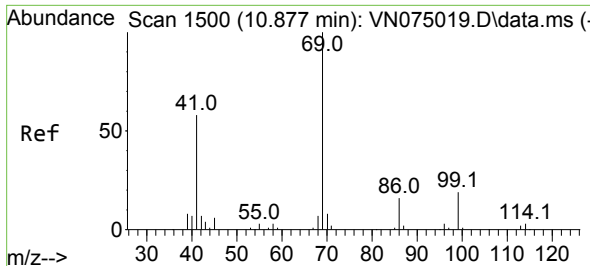
Tgt Ion: 75 Resp: 521
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.2#



#54
 cis-1,3-Dichloropropene
 Concen: 12.252 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.041 min
 Lab File: VN075119.D
 Acq: 02 Nov 2022 16:03

Tgt Ion: 75 Resp: 27123
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.7 35.5#
 39 34.1 35.8 53.6#

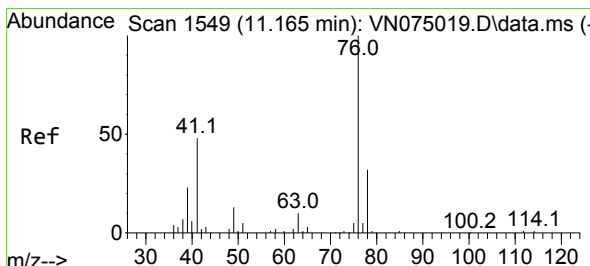
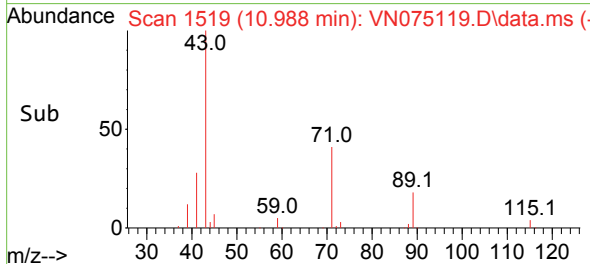
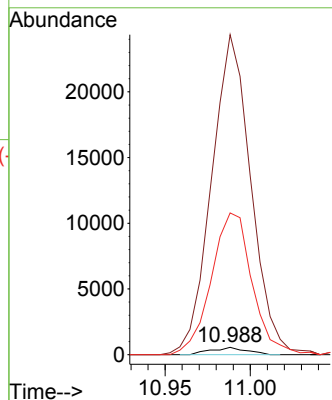
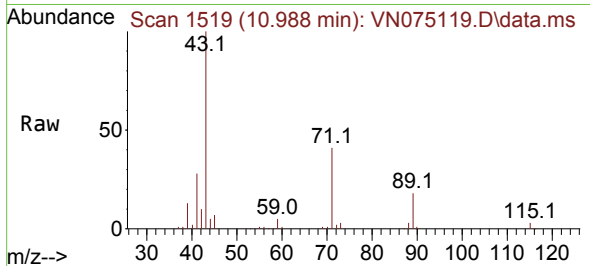




#56
 Ethyl methacrylate
 Concen: 0.363 ug/l
 RT: 10.988 min Scan# 11
 Delta R.T. 0.111 min
 Lab File: VN075119.D
 Acq: 02 Nov 2022 16:03

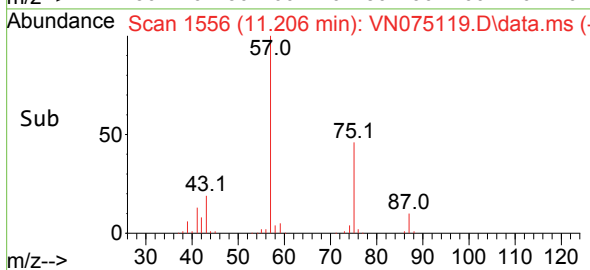
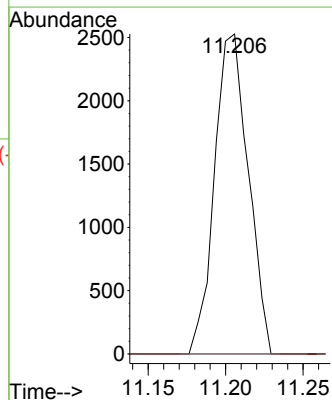
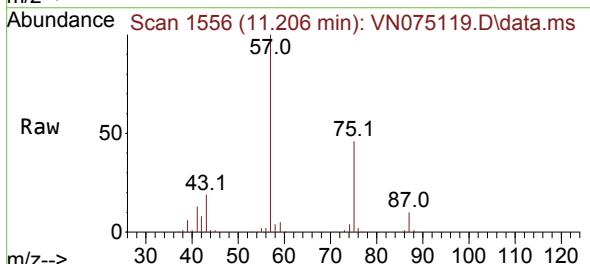
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-F

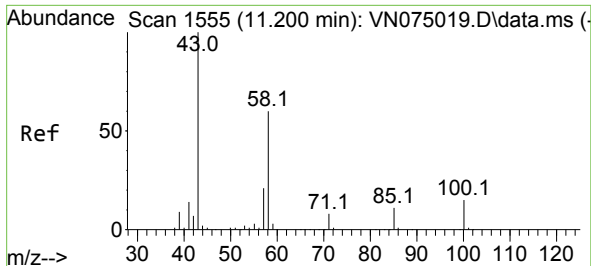
Tgt Ion: 69 Resp: 809
 Ion Ratio Lower Upper
 69 100
 41 4853.4 45.6 68.4#
 39 2228.4 28.5 42.7#



#57
 1,3-Dichloropropane
 Concen: 1.575 ug/l
 RT: 11.206 min Scan# 1556
 Delta R.T. 0.041 min
 Lab File: VN075119.D
 Acq: 02 Nov 2022 16:03

Tgt Ion: 76 Resp: 3828
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.6#

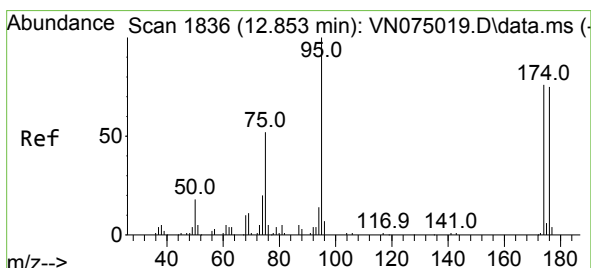
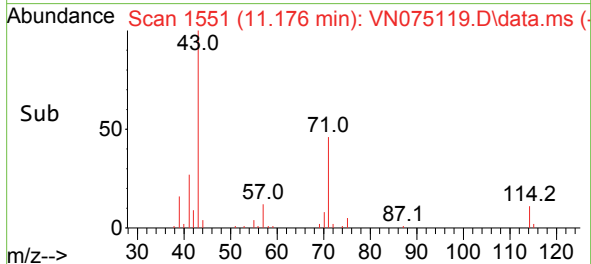
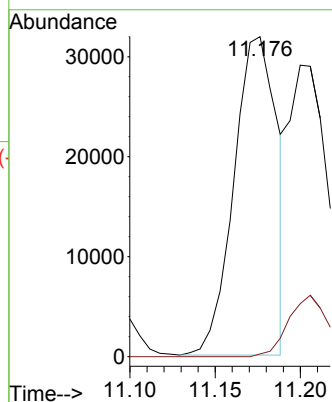
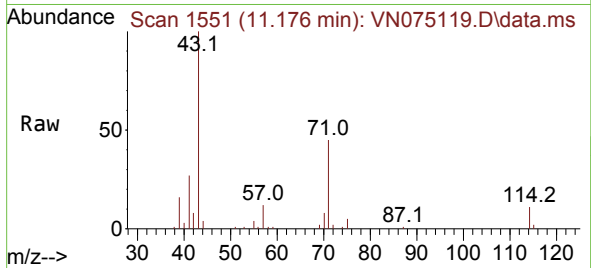




#59
2-Hexanone
Concen: 37.440 ug/l
RT: 11.176 min Scan# 11551
Delta R.T. -0.024 min
Lab File: VN075119.D
Acq: 02 Nov 2022 16:03

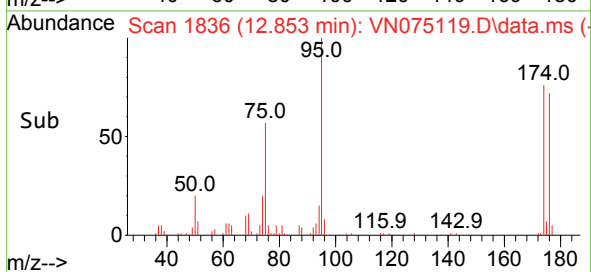
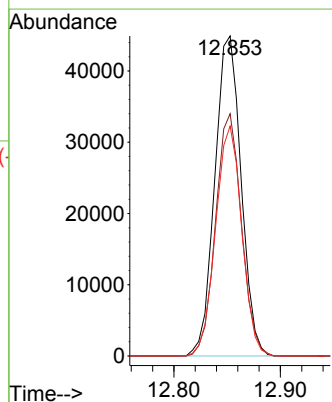
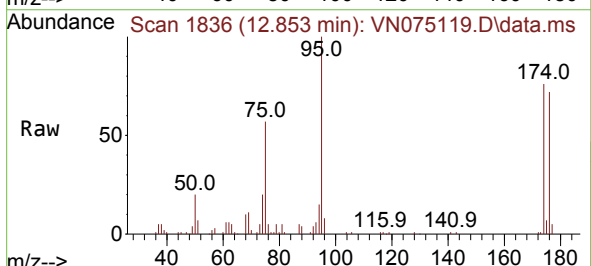
Instrument :
MSVOA_N
ClientSampleId :
TP-F

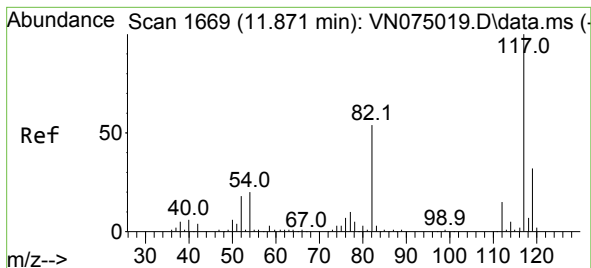
Tgt Ion: 43 Resp: 56105
Ion Ratio Lower Upper
43 100
58 0.0 29.6 88.8#



#62
4-Bromofluorobenzene
Concen: 48.543 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN075119.D
Acq: 02 Nov 2022 16:03

Tgt Ion: 95 Resp: 76863
Ion Ratio Lower Upper
95 100
174 74.5 0.0 147.4
176 71.4 0.0 142.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.870 min Scan# 1

Delta R.T. -0.001 min

Lab File: VN075119.D

Acq: 02 Nov 2022 16:03

Instrument :

MSVOA_N

ClientSampleId :

TP-F

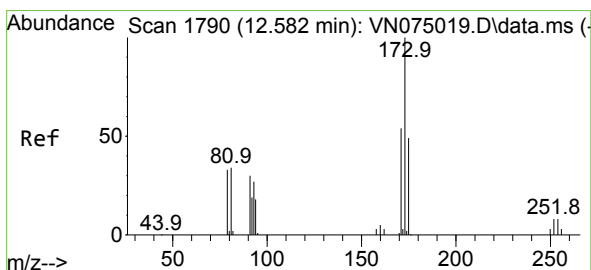
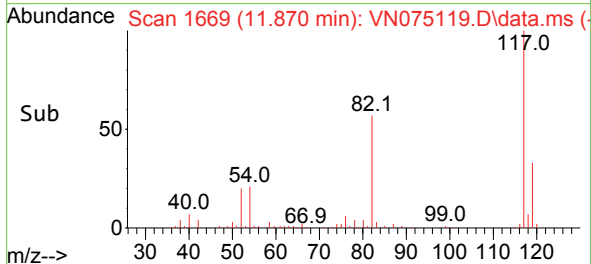
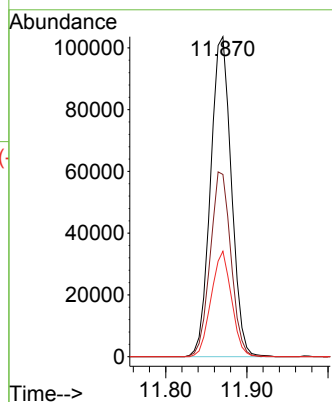
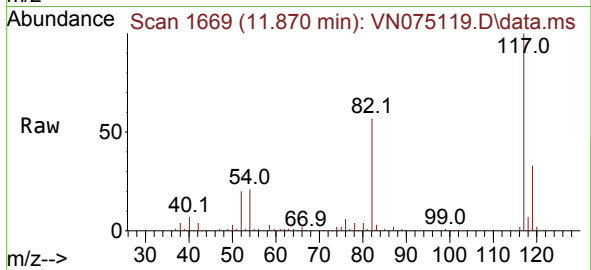
Tgt Ion:117 Resp: 184796

Ion Ratio Lower Upper

117 100

82 57.0 43.1 64.7

119 32.9 25.5 38.3



#71

Bromoform

Concen: 0.494 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.271 min

Lab File: VN075119.D

Acq: 02 Nov 2022 16:03

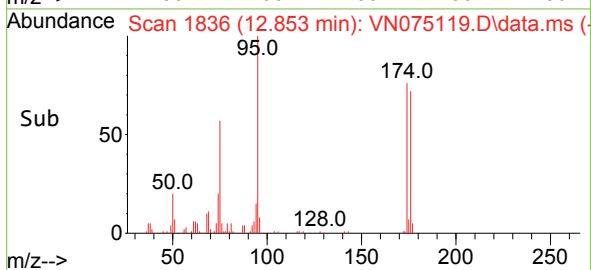
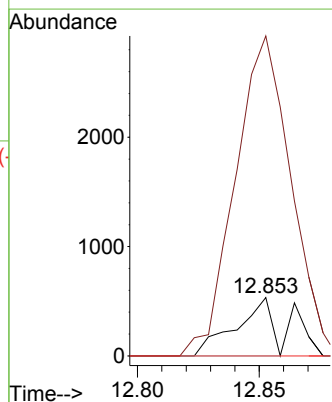
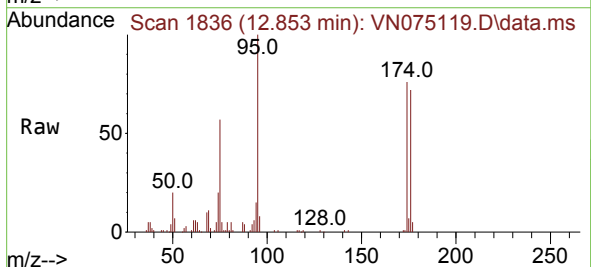
Tgt Ion:173 Resp: 541

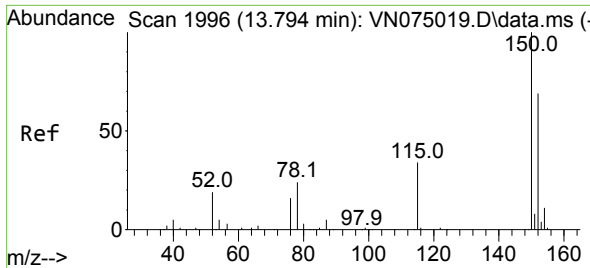
Ion Ratio Lower Upper

173 100

175 707.6 24.6 74.0#

254 0.0 0.0 0.0

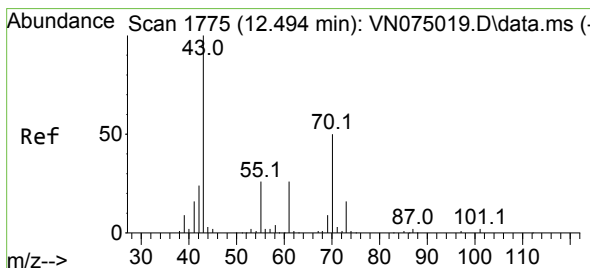
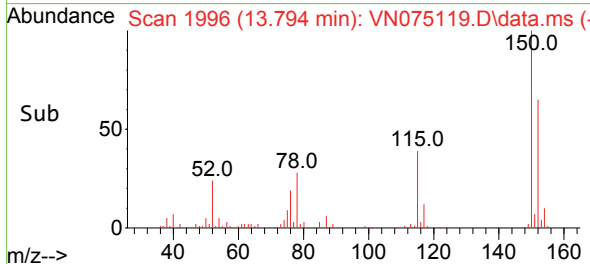
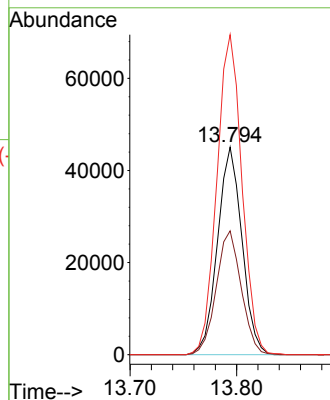
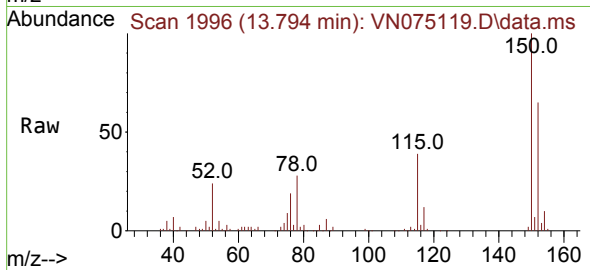




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075119.D
Acq: 02 Nov 2022 16:03

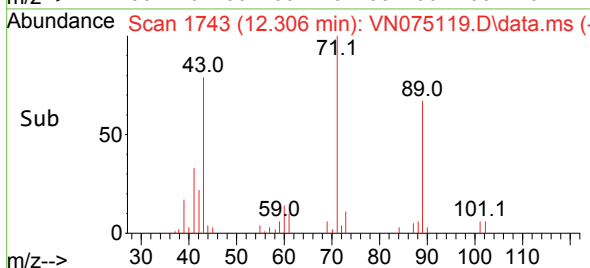
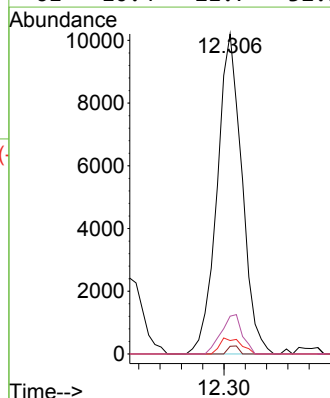
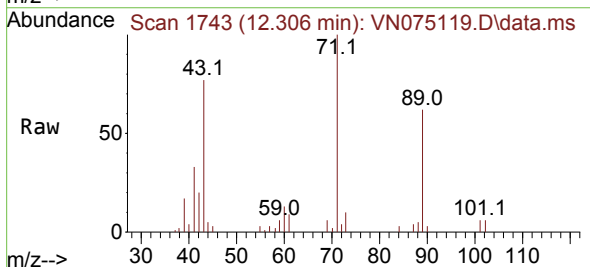
Instrument :
MSVOA_N
ClientSampleId :
TP-F

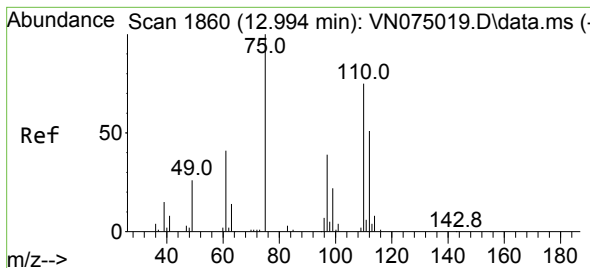
Tgt Ion:152 Resp: 71795
Ion Ratio Lower Upper
152 100
115 61.0 30.2 90.6
150 158.2 0.0 348.4



#74
N-ethyl acetate
Concen: 7.730 ug/l
RT: 12.306 min Scan# 1743
Delta R.T. -0.188 min
Lab File: VN075119.D
Acq: 02 Nov 2022 16:03

Tgt Ion: 43 Resp: 16479
Ion Ratio Lower Upper
43 100
70 1.1 39.8 59.8#
55 4.2 19.9 29.9#
61 10.4 21.7 32.5#





#76

1,2,3-Trichloropropane

Concen: 28.489 ug/l

RT: 12.847 min Scan# 1835

Delta R.T. -0.147 min

Lab File: VN075119.D

Acq: 02 Nov 2022 16:03

Instrument :

MSVOA_N

ClientSampleId :

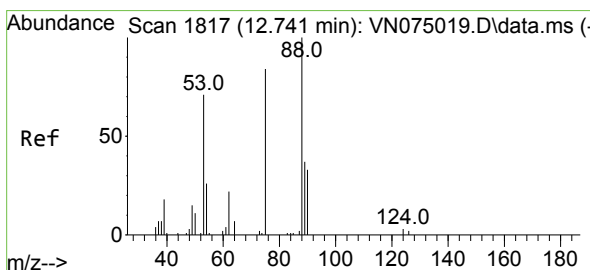
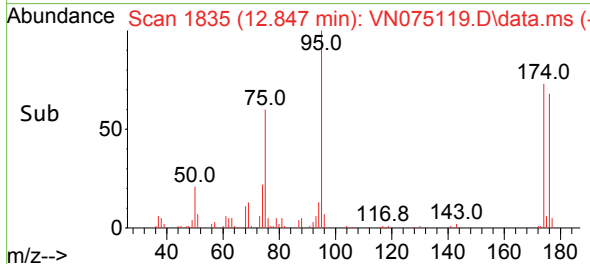
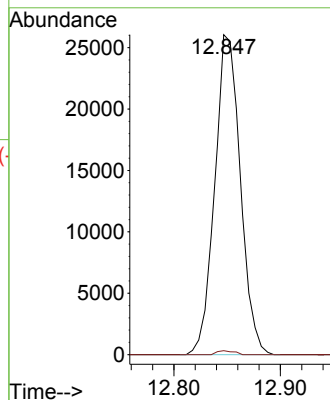
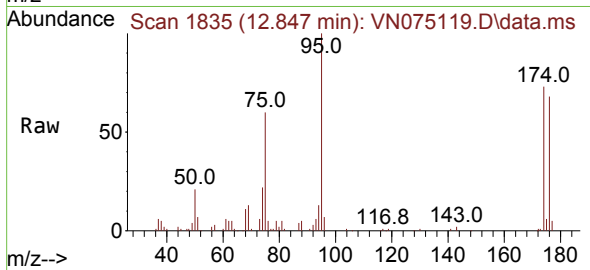
TP-F

Tgt Ion: 75 Resp: 43429

Ion Ratio Lower Upper

75 100

77 0.8 75.6 226.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 73.132 ug/l

RT: 12.847 min Scan# 1835

Delta R.T. 0.106 min

Lab File: VN075119.D

Acq: 02 Nov 2022 16:03

Tgt Ion: 75 Resp: 43429

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 37.7 56.5#

