

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110222\
 Data File : VN075122.D
 Acq On : 02 Nov 2022 17:16
 Operator : JC\MD
 Sample : N5396-17
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-H

Quant Time: Nov 03 04:20:47 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)

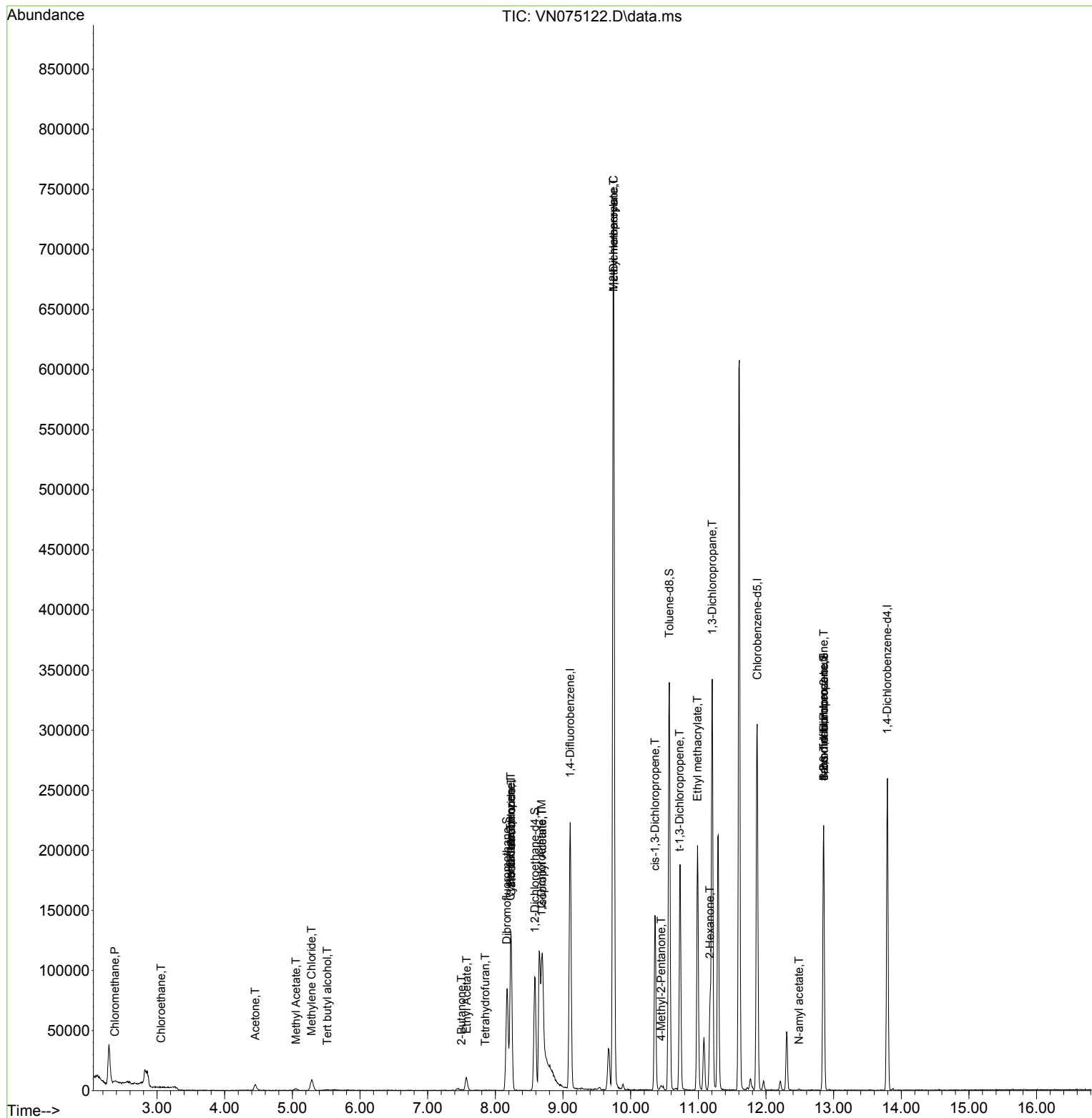
Internal Standards						
1) Pentafluorobenzene	8.229	168	93009	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	187806	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	172987	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	65623	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	78306	62.486	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 124.980%	
35) Dibromofluoromethane	8.171	113	60425	54.806	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 109.620%	
50) Toluene-d8	10.571	98	233136	54.503	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 109.000%	
62) 4-Bromofluorobenzene	12.853	95	71691	47.712	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 95.420%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	265	0.206	ug/l #	42
6) Chloroethane	3.059	64	807	0.614	ug/l #	45
11) Tert butyl alcohol	5.518	59	187	0.640	ug/l #	72
16) Acetone	4.453	43	9699	18.278	ug/l #	88
18) Methyl Acetate	5.053	43	3083	1.779	ug/l #	74
20) Methylene Chloride	5.283	84	7409	6.262	ug/l #	86
25) 2-Butanone	7.500	43	946	1.133	ug/l	97
29) Tetrahydrofuran	7.853	42	199	0.369	ug/l #	26
31) Cyclohexane	8.224	56	2270	1.218	ug/l #	17
36) 1,1-Dichloropropene	8.229	75	8684	5.088	ug/l #	47
37) Ethyl Acetate	7.577	43	15734	8.405	ug/l	98
38) Carbon Tetrachloride	8.235	117	10236	5.452	ug/l #	12
42) 1,2-Dichloroethane	8.682	62	538	0.283	ug/l #	75
43) Isopropyl Acetate	8.694	43	133512	45.982	ug/l #	77
45) 1,2-Dichloropropane	9.747	63	902	0.725	ug/l #	42
48) Methyl methacrylate	9.747	41	67334	50.554	ug/l #	34
51) 4-Methyl-2-Pentanone	10.453	43	3338	1.782	ug/l #	77
53) t-1,3-Dichloropropene	10.723	75	404	0.204	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	27591	13.134	ug/l #	69
56) Ethyl methacrylate	10.988	69	471	0.223	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	3737	1.620	ug/l #	42
59) 2-Hexanone	11.170	43	54789	38.528	ug/l #	21
71) Bromoform	12.853	173	683	0.666	ug/l #	1
74) N-amyl acetate	12.488	43	723	0.371	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	39912	28.645	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	39912	73.530	ug/l #	10

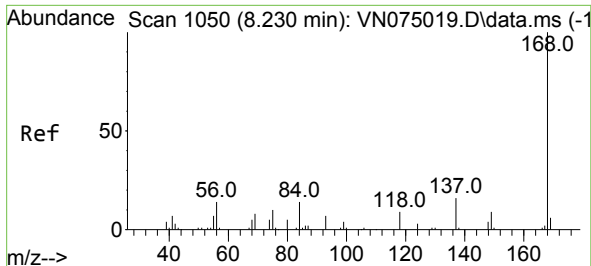
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 27 09:48:49 2022
Response via : Initial Calibration

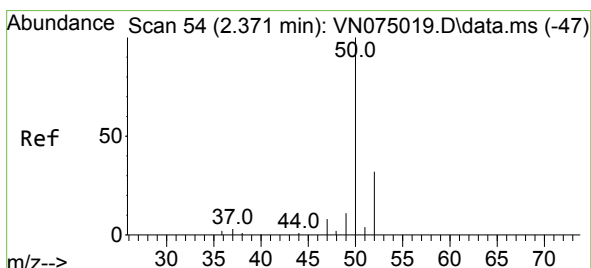
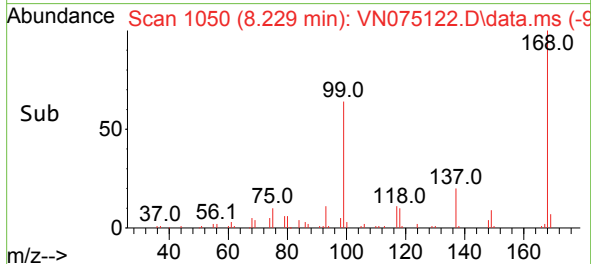
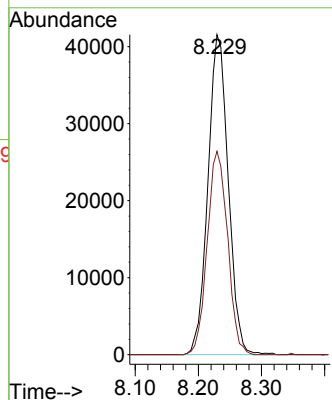
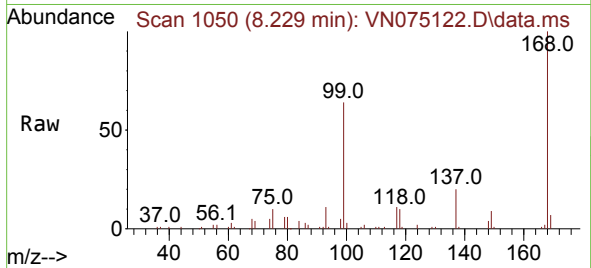




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.001 min
Lab File: VN075122.D
Acq: 02 Nov 2022 17:16

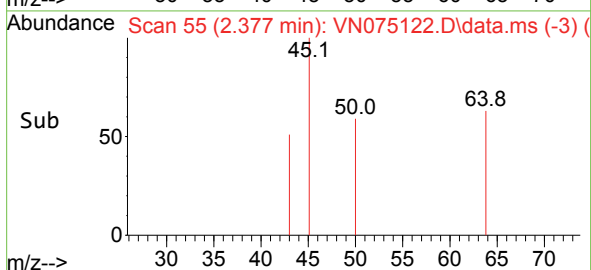
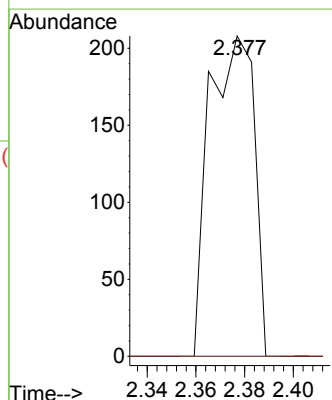
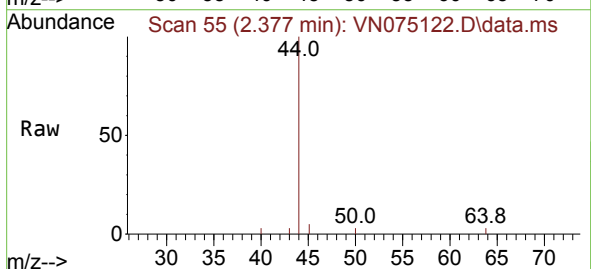
Instrument :
MSVOA_N
ClientSampleId :
TP-H

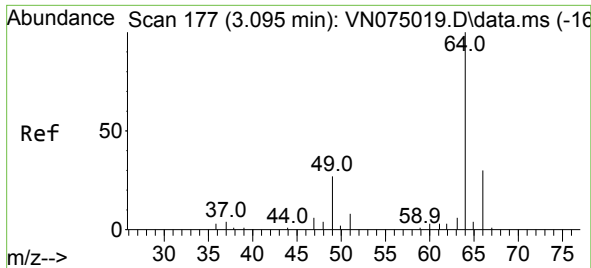
Tgt Ion:168 Resp: 93009
Ion Ratio Lower Upper
168 100
99 63.6 51.6 77.4



#3
Chloromethane
Concen: 0.206 ug/l
RT: 2.377 min Scan# 55
Delta R.T. 0.006 min
Lab File: VN075122.D
Acq: 02 Nov 2022 17:16

Tgt Ion: 50 Resp: 265
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.6#

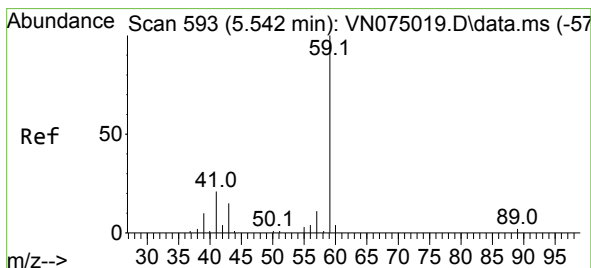
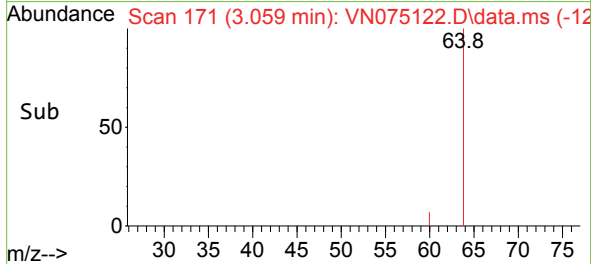
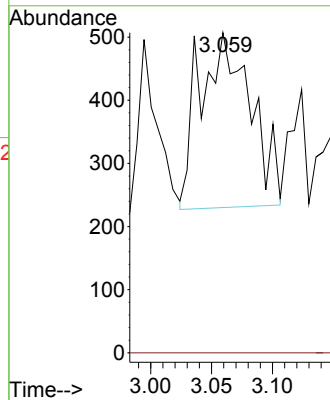
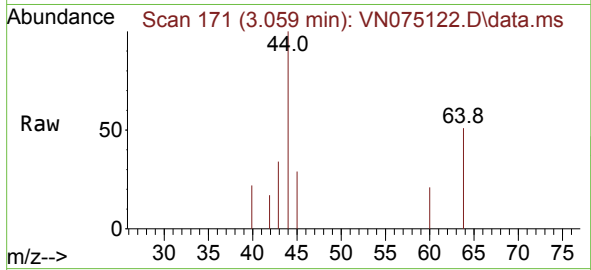




#6
Chloroethane
Concen: 0.614 ug/l
RT: 3.059 min Scan# 11
Delta R.T. -0.036 min
Lab File: VN075122.D
Acq: 02 Nov 2022 17:16

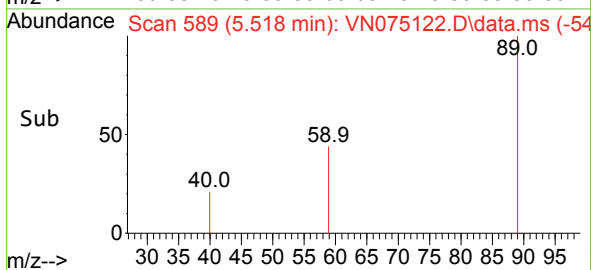
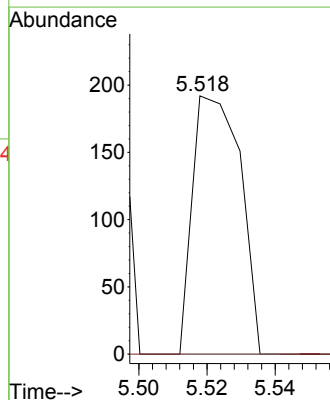
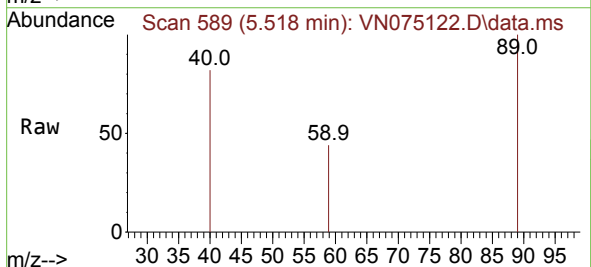
Instrument :
MSVOA_N
ClientSampleId :
TP-H

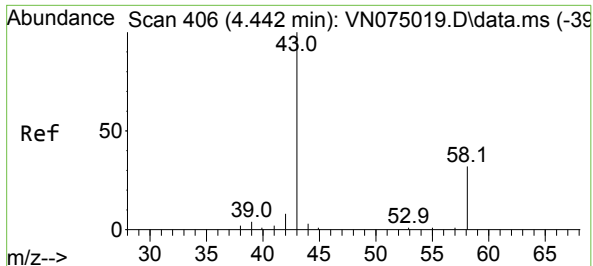
Tgt Ion: 64 Resp: 807
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#



#11
Tert butyl alcohol
Concen: 0.640 ug/l
RT: 5.518 min Scan# 589
Delta R.T. -0.024 min
Lab File: VN075122.D
Acq: 02 Nov 2022 17:16

Tgt Ion: 59 Resp: 187
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

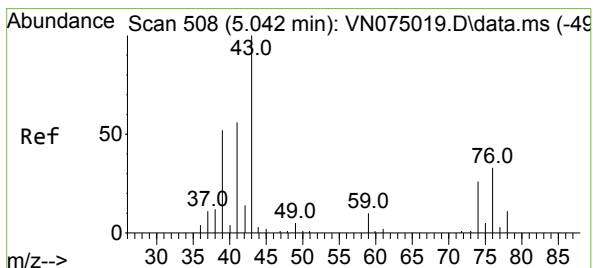
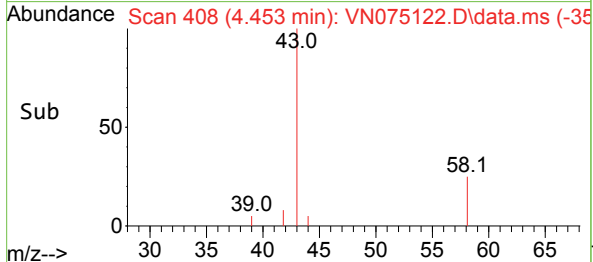
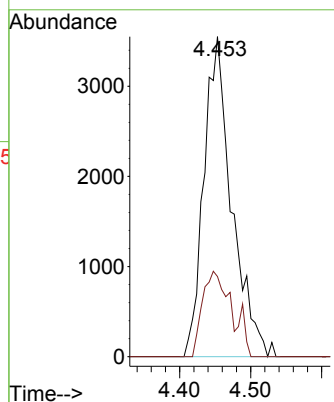
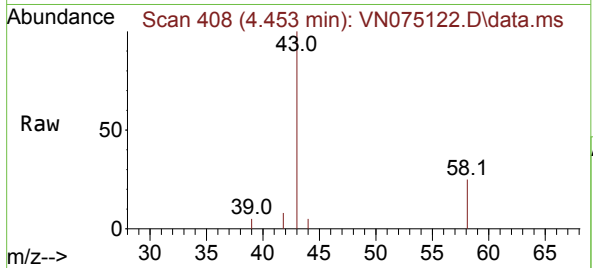




#16
Acetone
Concen: 18.278 ug/l
RT: 4.453 min Scan# 406
Delta R.T. 0.011 min
Lab File: VN075122.D
Acq: 02 Nov 2022 17:16

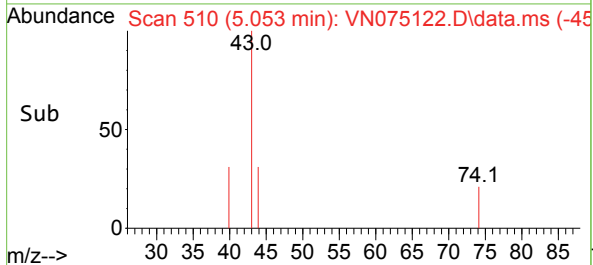
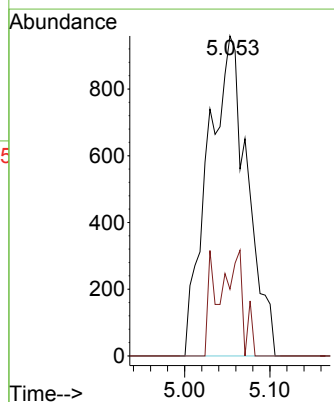
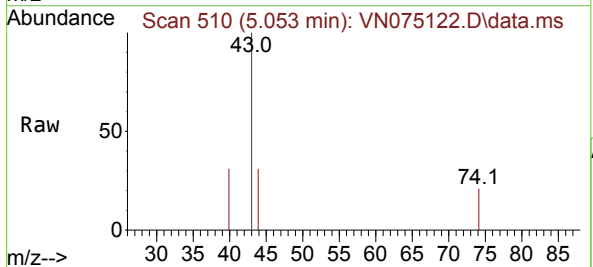
Instrument :
MSVOA_N
ClientSampleId :
TP-H

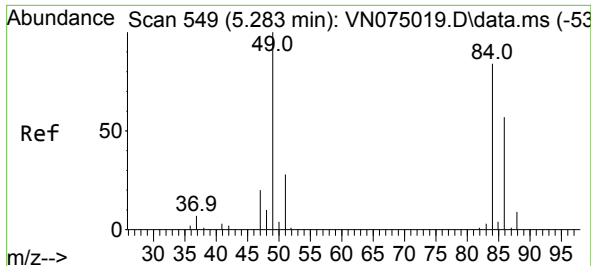
Tgt Ion: 43 Resp: 9699
Ion Ratio Lower Upper
43 100
58 25.1 25.5 38.3#



#18
Methyl Acetate
Concen: 1.779 ug/l
RT: 5.053 min Scan# 510
Delta R.T. 0.011 min
Lab File: VN075122.D
Acq: 02 Nov 2022 17:16

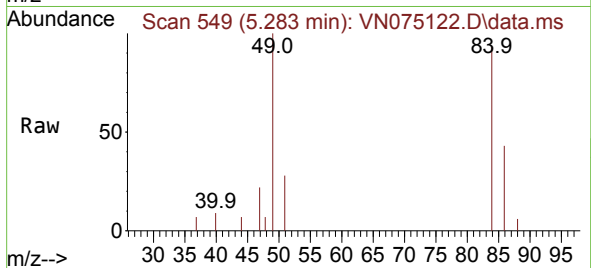
Tgt Ion: 43 Resp: 3083
Ion Ratio Lower Upper
43 100
74 13.8 22.0 33.0#



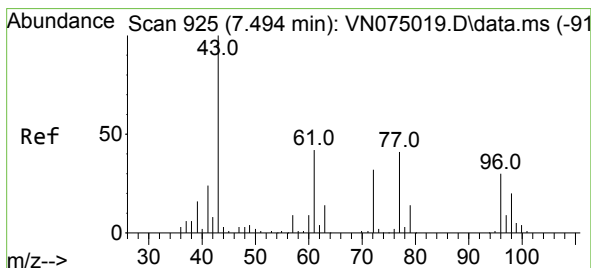
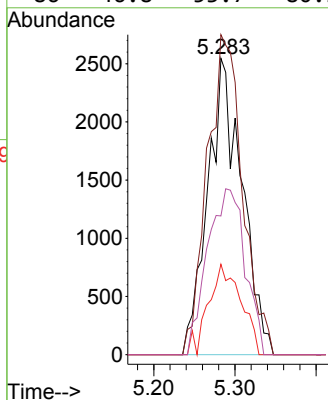
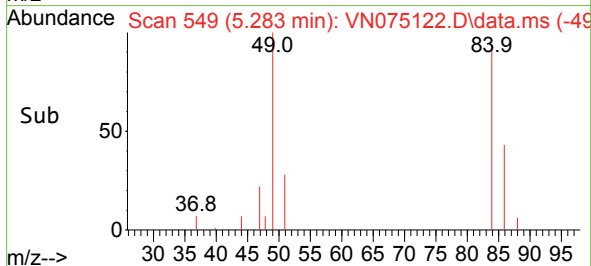


#20
Methylene Chloride
Concen: 6.262 ug/l
RT: 5.283 min Scan# 549
Delta R.T. -0.000 min
Lab File: VN075122.D
Acq: 02 Nov 2022 17:16

Instrument :
MSVOA_N
ClientSampleId :
TP-H

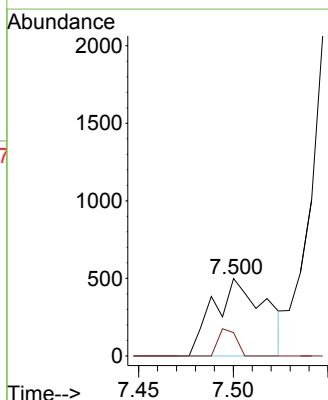
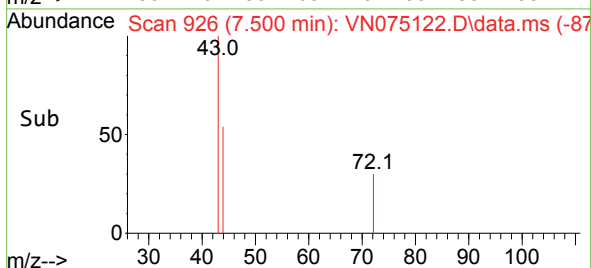
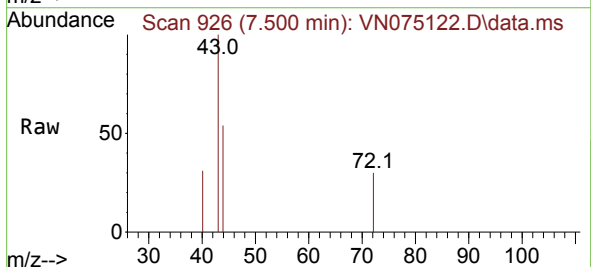


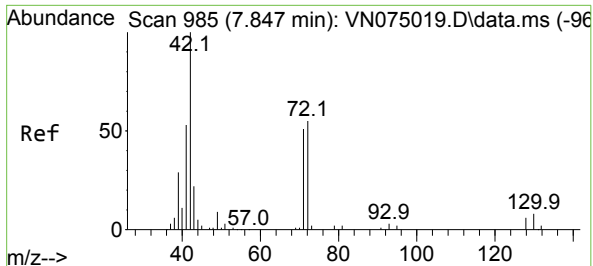
Tgt Ion: 84	Resp: 7409
Ion Ratio	Lower Upper
84 100	
49 108.0	94.9 142.3
51 30.5	26.8 40.2
86 46.8	53.7 80.5#



#25
2-Butanone
Concen: 1.133 ug/l
RT: 7.500 min Scan# 926
Delta R.T. 0.006 min
Lab File: VN075122.D
Acq: 02 Nov 2022 17:16

Tgt Ion: 43	Resp: 946		
Ion Ratio	Lower	Upper	
43 100			
72 30.3	25.5	38.3	





#29

Tetrahydrofuran

Concen: 0.369 ug/l

RT: 7.853 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN075122.D

Acq: 02 Nov 2022 17:16

Instrument :

MSVOA_N

ClientSampleId :

TP-H

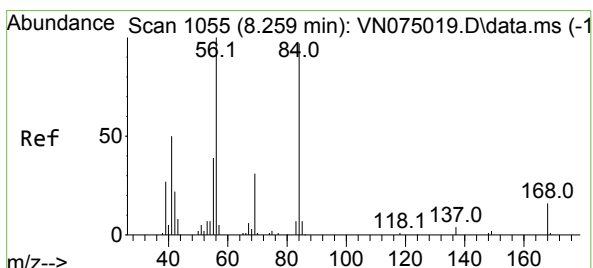
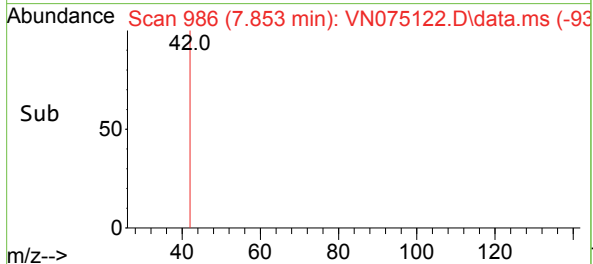
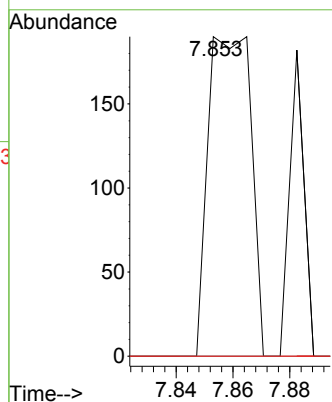
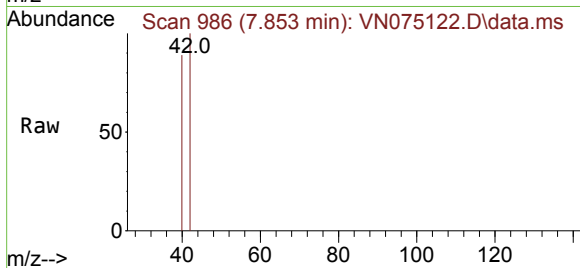
Tgt Ion: 42 Resp: 199

Ion Ratio Lower Upper

42 100

72 0.0 43.0 64.6#

71 0.0 39.9 59.9#



#31

Cyclohexane

Concen: 1.218 ug/l

RT: 8.224 min Scan# 1049

Delta R.T. -0.035 min

Lab File: VN075122.D

Acq: 02 Nov 2022 17:16

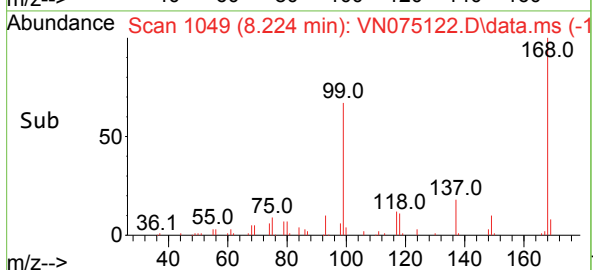
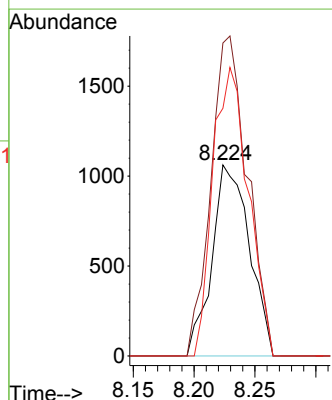
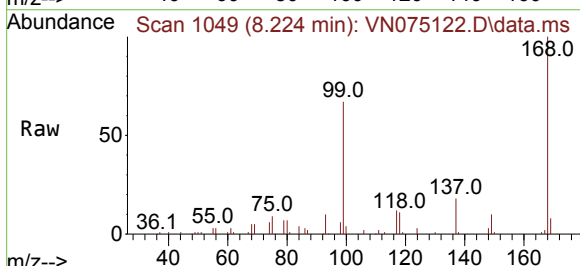
Tgt Ion: 56 Resp: 2270

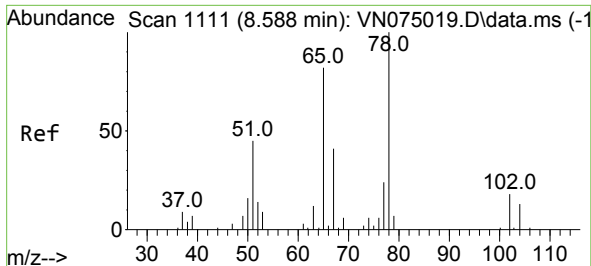
Ion Ratio Lower Upper

56 100

69 163.8 25.2 37.8#

84 129.7 77.8 116.8#





#33

1,2-Dichloroethane-d4

Concen: 62.486 ug/l

RT: 8.582 min Scan# 1111

Delta R.T. -0.006 min

Lab File: VN075122.D

Acq: 02 Nov 2022 17:16

Instrument :

MSVOA_N

ClientSampleId :

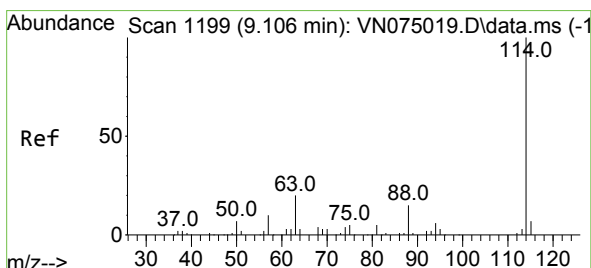
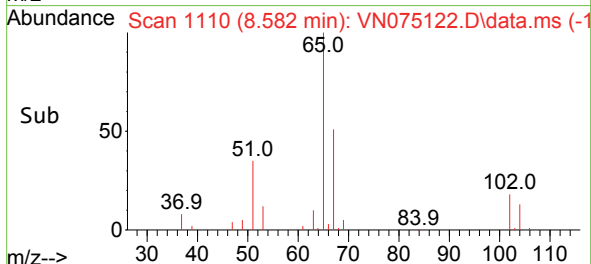
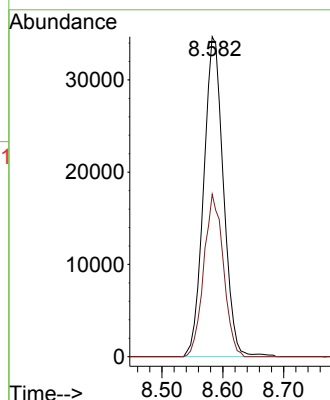
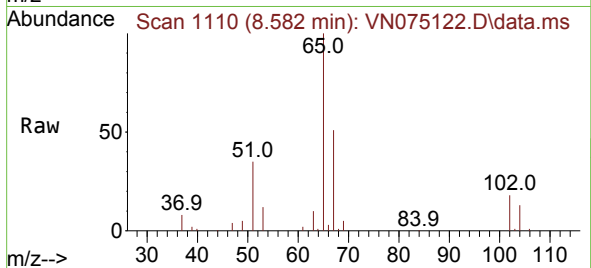
TP-H

Tgt Ion: 65 Resp: 78306

Ion Ratio Lower Upper

65 100

67 50.2 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: VN075122.D

Acq: 02 Nov 2022 17:16

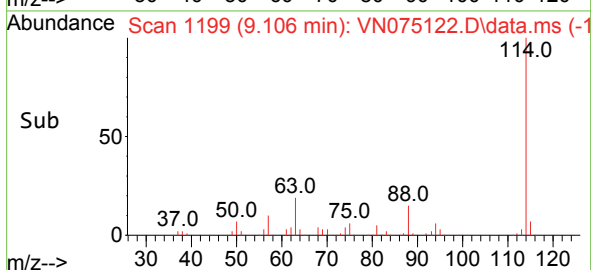
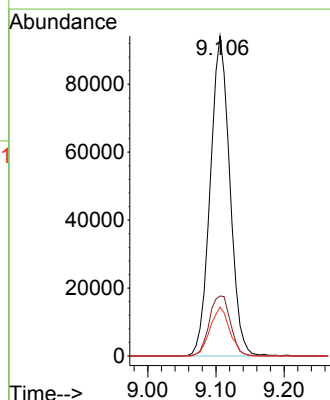
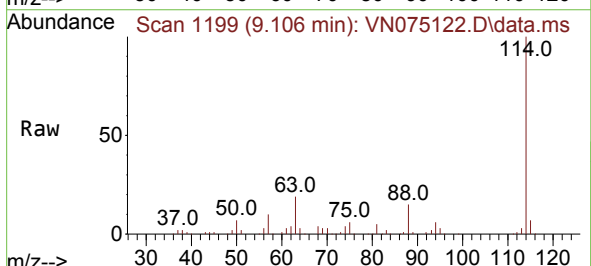
Tgt Ion: 114 Resp: 187806

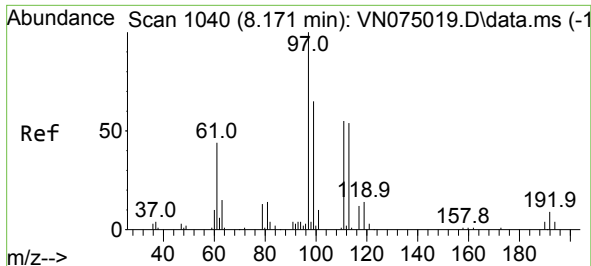
Ion Ratio Lower Upper

114 100

63 18.7 0.0 39.6

88 15.3 0.0 29.0

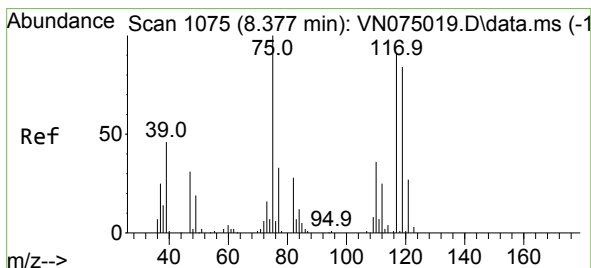
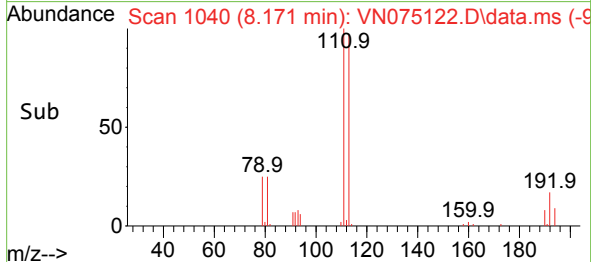
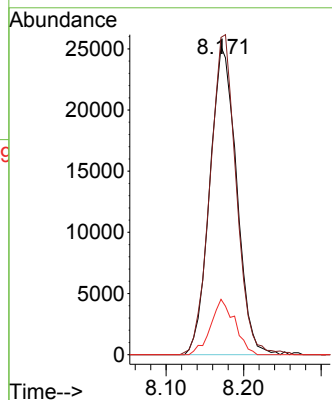
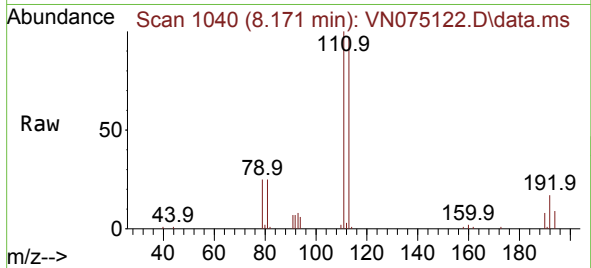




#35
Dibromofluoromethane
Concen: 54.806 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN075122.D
Acq: 02 Nov 2022 17:16

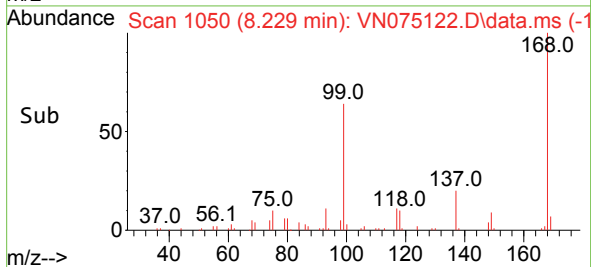
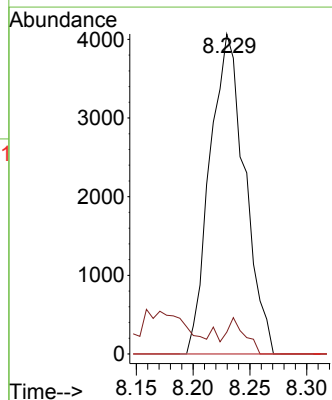
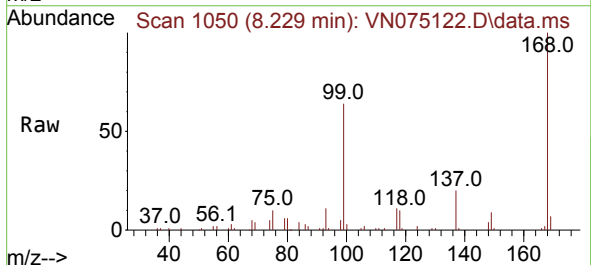
Instrument :
MSVOA_N
ClientSampleId :
TP-H

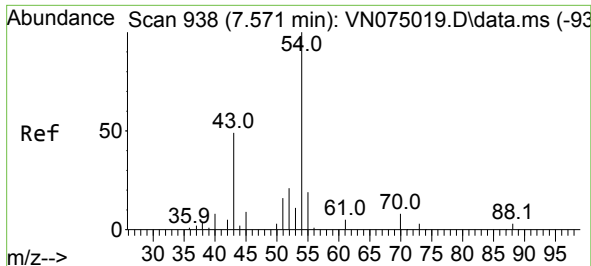
Tgt Ion:113 Resp: 60425
Ion Ratio Lower Upper
113 100
111 101.6 80.5 120.7
192 16.3 13.2 19.8



#36
1,1-Dichloropropene
Concen: 5.088 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.148 min
Lab File: VN075122.D
Acq: 02 Nov 2022 17:16

Tgt Ion: 75 Resp: 8684
Ion Ratio Lower Upper
75 100
110 5.8 17.8 53.3#
77 0.0 24.6 37.0#

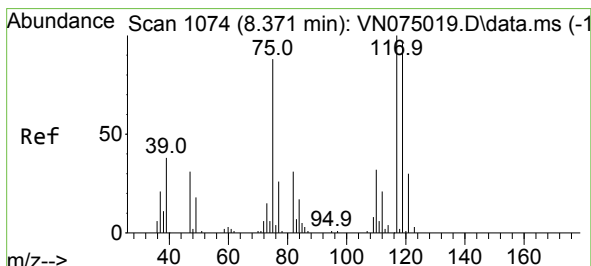
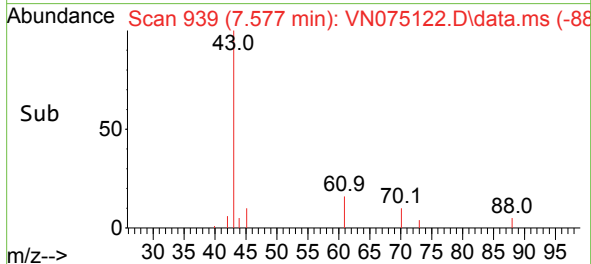
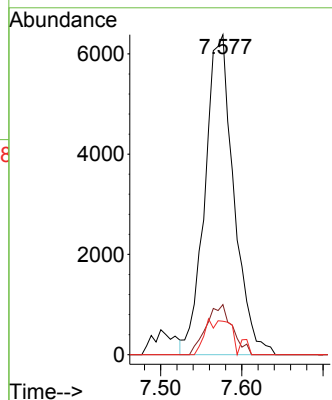
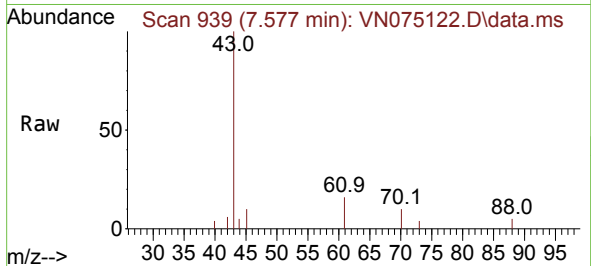




#37
Ethyl Acetate
Concen: 8.405 ug/l
RT: 7.577 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN075122.D
Acq: 02 Nov 2022 17:16

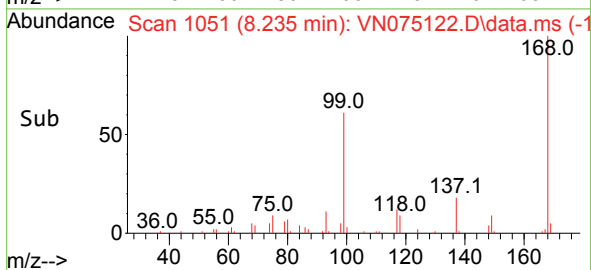
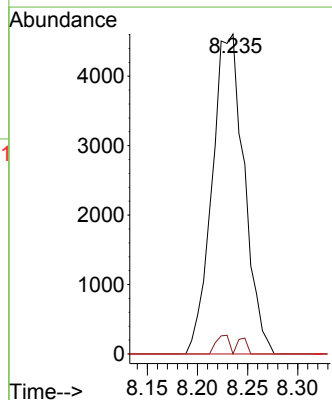
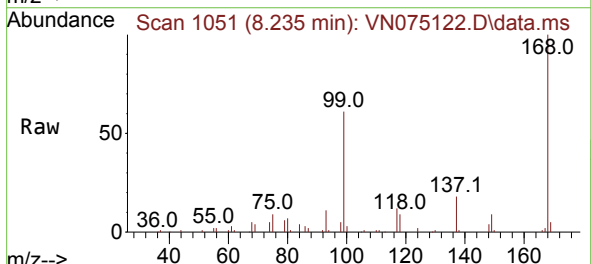
Instrument :
MSVOA_N
ClientSampleId :
TP-H

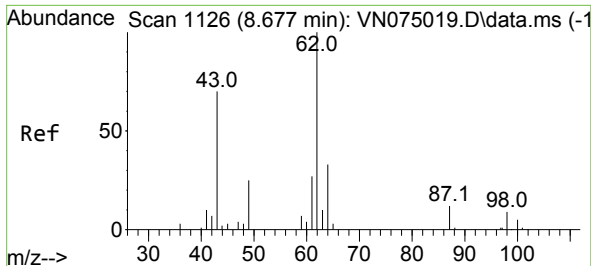
Tgt Ion: 43 Resp: 15734
Ion Ratio Lower Upper
43 100
61 14.1 12.2 18.4
70 11.1 9.4 14.2



#38
Carbon Tetrachloride
Concen: 5.452 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.136 min
Lab File: VN075122.D
Acq: 02 Nov 2022 17:16

Tgt Ion: 117 Resp: 10236
Ion Ratio Lower Upper
117 100
119 0.0 76.7 115.1#
121 0.0 23.9 35.9#





#42

1,2-Dichloroethane

Concen: 0.283 ug/l

RT: 8.682 min Scan# 1127

Delta R.T. 0.005 min

Lab File: VN075122.D

Acq: 02 Nov 2022 17:16

Instrument :

MSVOA_N

ClientSampleId :

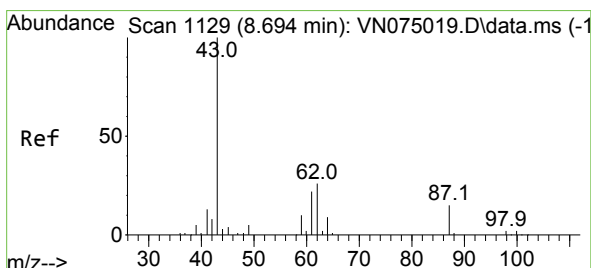
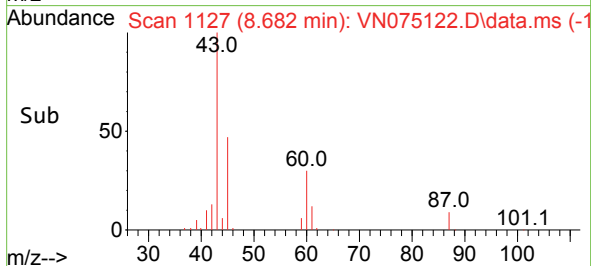
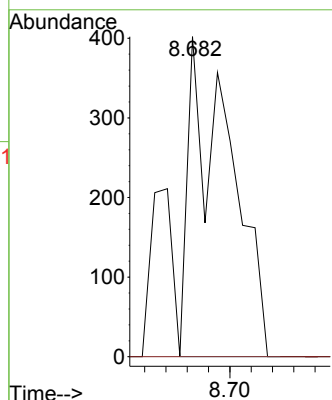
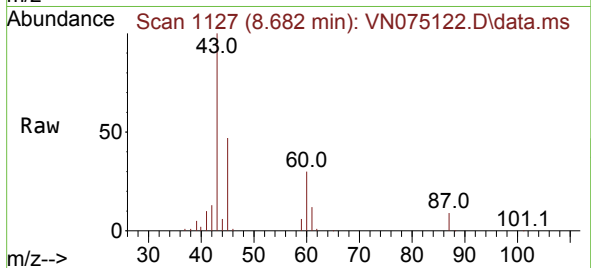
TP-H

Tgt Ion: 62 Resp: 538

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2



#43

Isopropyl Acetate

Concen: 45.982 ug/l

RT: 8.694 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VN075122.D

Acq: 02 Nov 2022 17:16

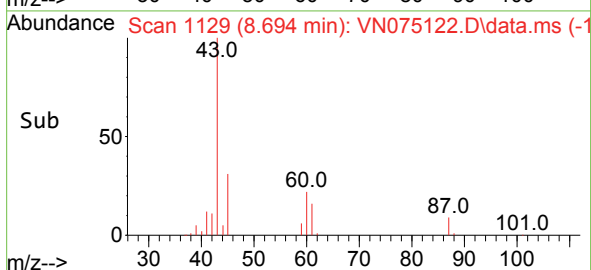
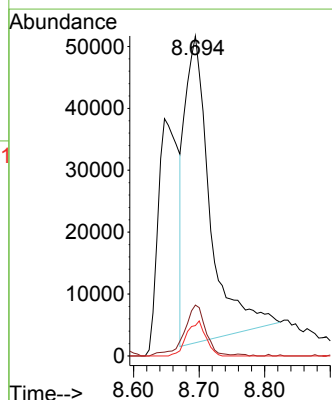
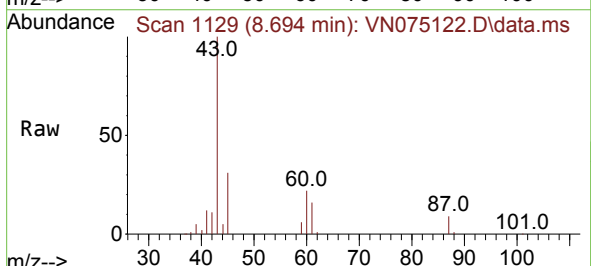
Tgt Ion: 43 Resp: 133512

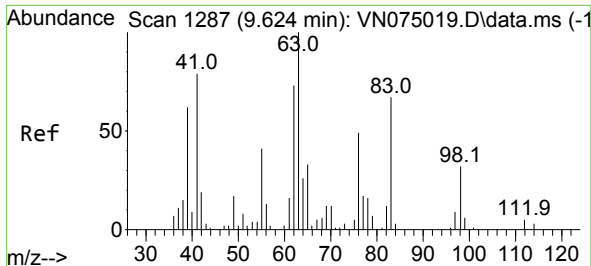
Ion Ratio Lower Upper

43 100

61 14.0 22.4 33.6#

87 8.5 12.5 18.7#





#45

1,2-Dichloropropane

Concen: 0.725 ug/l

RT: 9.747 min Scan# 1308

Delta R.T. 0.123 min

Lab File: VN075122.D

Acq: 02 Nov 2022 17:16

Instrument :

MSVOA_N

ClientSampleId :

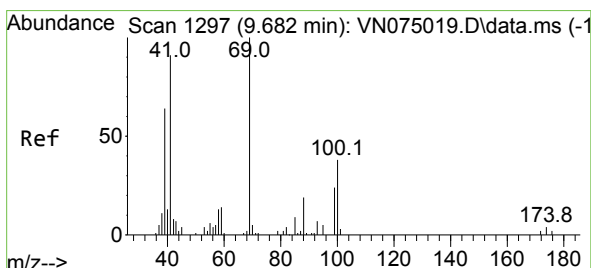
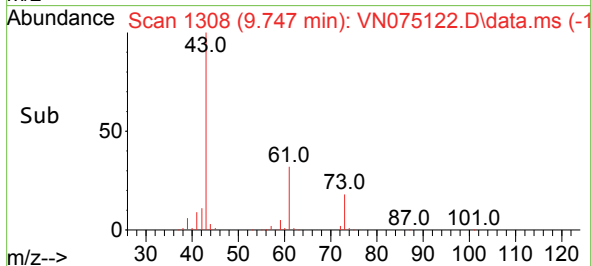
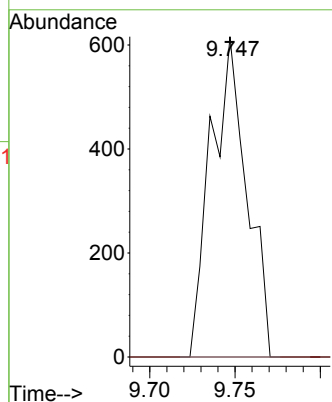
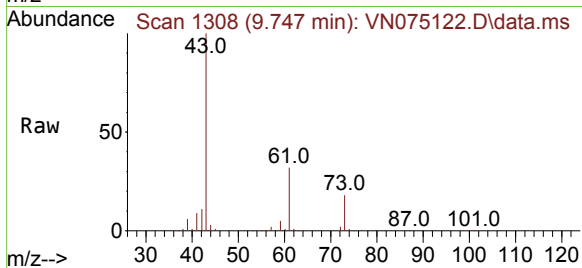
TP-H

Tgt Ion: 63 Resp: 902

Ion Ratio Lower Upper

63 100

65 0.0 26.1 39.1#



#48

Methyl methacrylate

Concen: 50.554 ug/l

RT: 9.747 min Scan# 1308

Delta R.T. 0.065 min

Lab File: VN075122.D

Acq: 02 Nov 2022 17:16

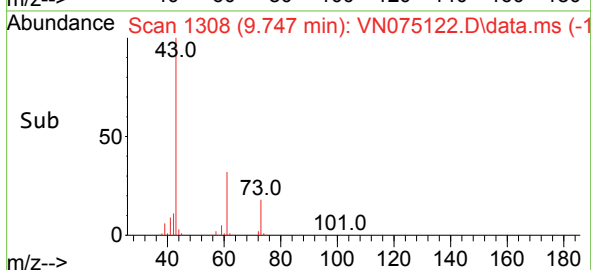
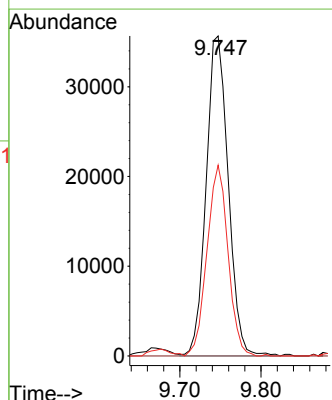
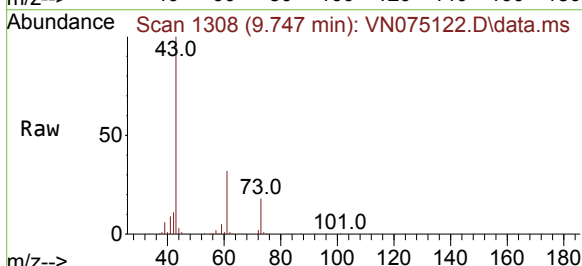
Tgt Ion: 41 Resp: 67334

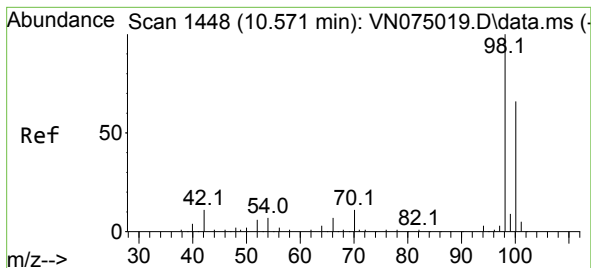
Ion Ratio Lower Upper

41 100

69 0.0 80.2 120.2#

39 56.7 56.2 84.2





#50

Toluene-d8

Concen: 54.503 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. -0.000 min

Lab File: VN075122.D

Acq: 02 Nov 2022 17:16

Instrument :

MSVOA_N

ClientSampleId :

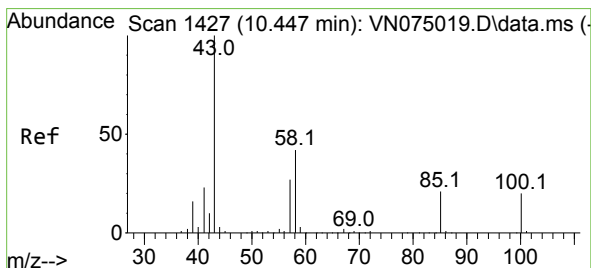
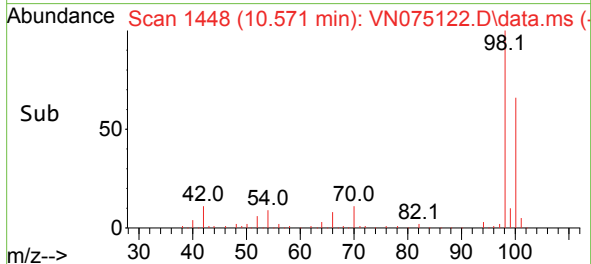
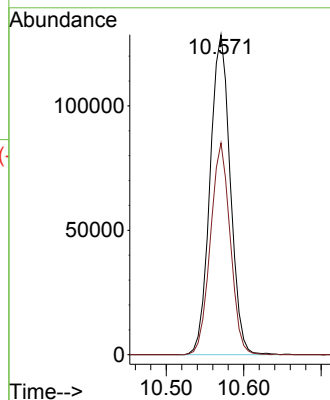
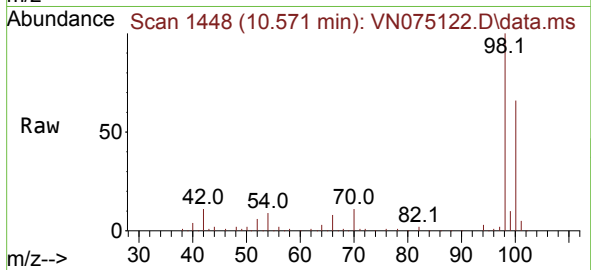
TP-H

Tgt Ion: 98 Resp: 233136

Ion Ratio Lower Upper

98 100

100 64.7 53.0 79.6



#51

4-Methyl-2-Pentanone

Concen: 1.782 ug/l

RT: 10.453 min Scan# 1428

Delta R.T. 0.006 min

Lab File: VN075122.D

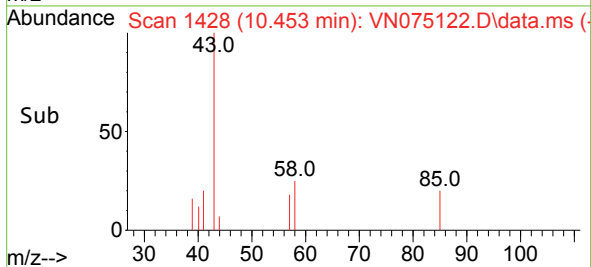
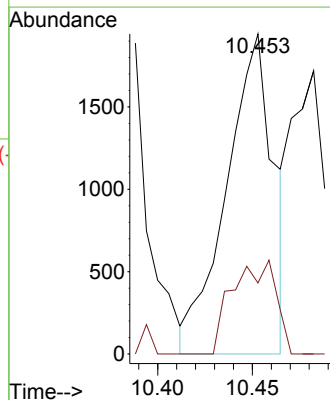
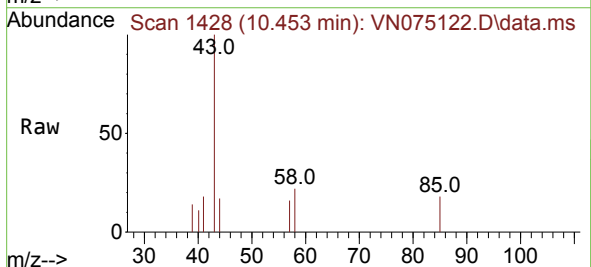
Acq: 02 Nov 2022 17:16

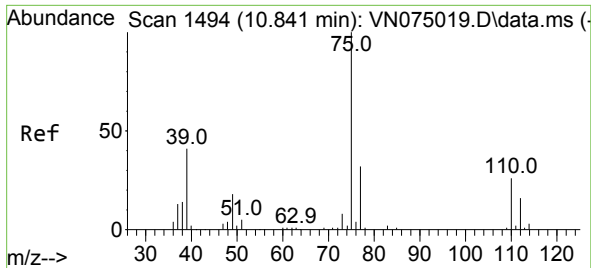
Tgt Ion: 43 Resp: 3338

Ion Ratio Lower Upper

43 100

58 27.2 33.6 50.4#

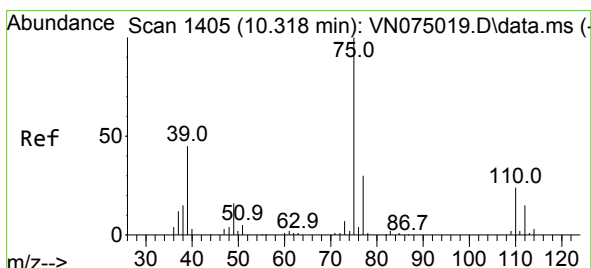
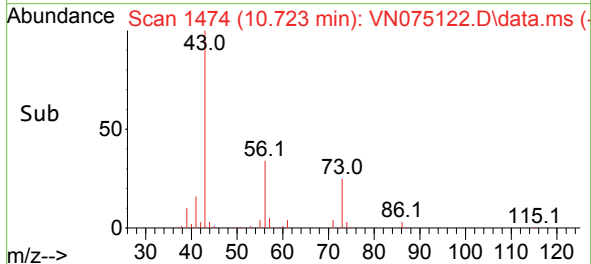
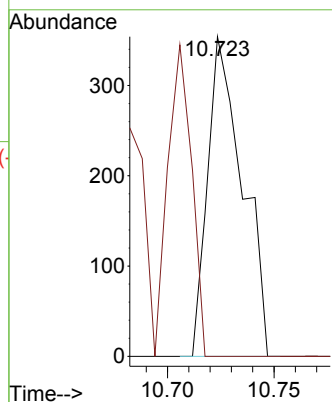
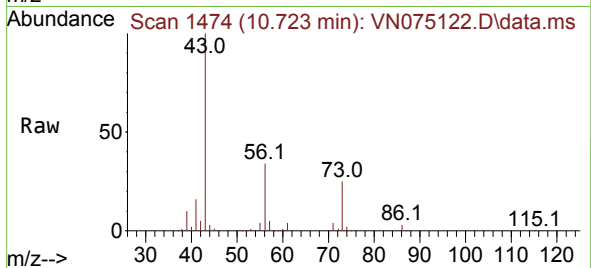




#53
 t-1,3-Dichloropropene
 Concen: 0.204 ug/l
 RT: 10.723 min Scan# 1411
 Delta R.T. -0.118 min
 Lab File: VN075122.D
 Acq: 02 Nov 2022 17:16

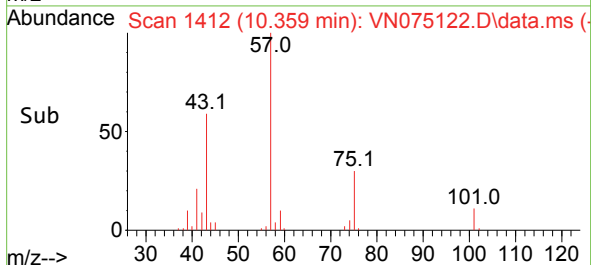
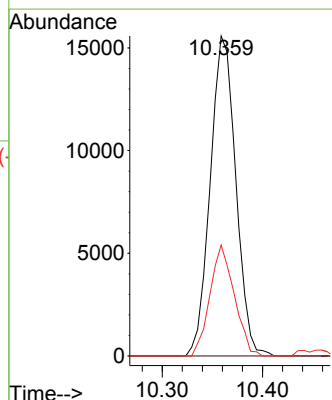
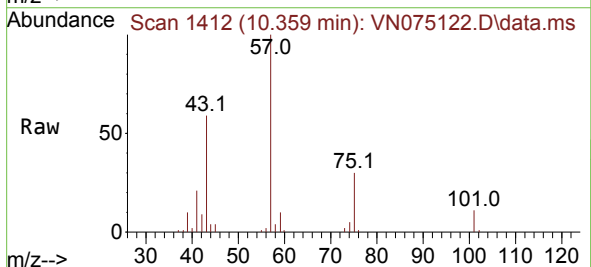
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-H

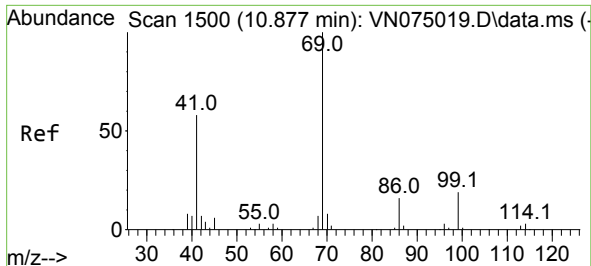
Tgt Ion: 75 Resp: 404
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.2#



#54
 cis-1,3-Dichloropropene
 Concen: 13.134 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.041 min
 Lab File: VN075122.D
 Acq: 02 Nov 2022 17:16

Tgt Ion: 75 Resp: 27591
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.7 35.5#
 39 34.6 35.8 53.6#

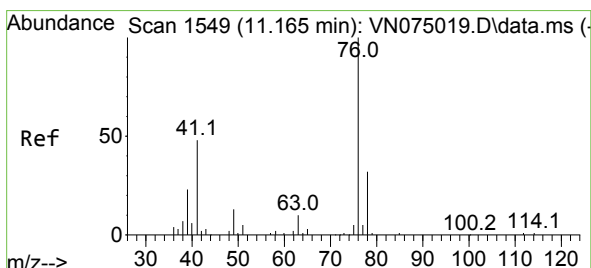
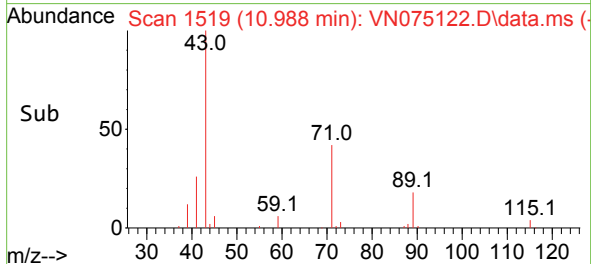
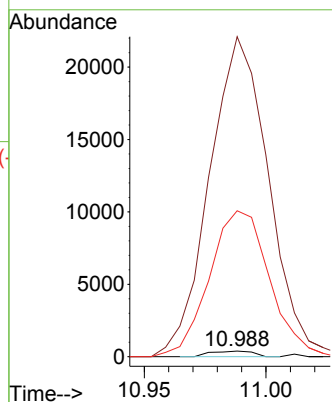
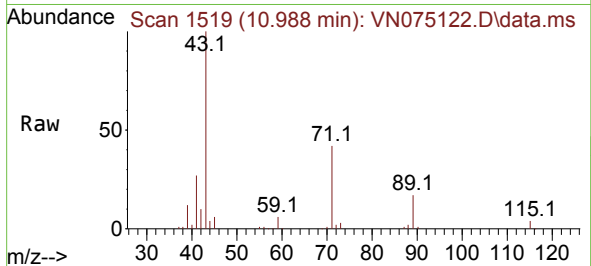




#56
Ethyl methacrylate
Concen: 0.223 ug/l
RT: 10.988 min Scan# 1519
Delta R.T. 0.111 min
Lab File: VN075122.D
Acq: 02 Nov 2022 17:16

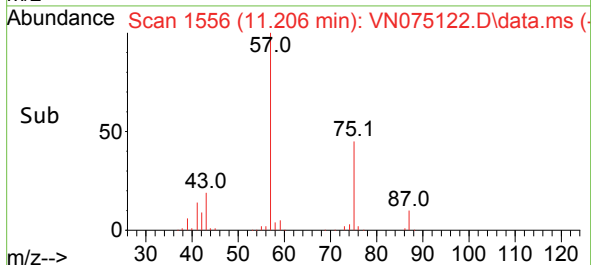
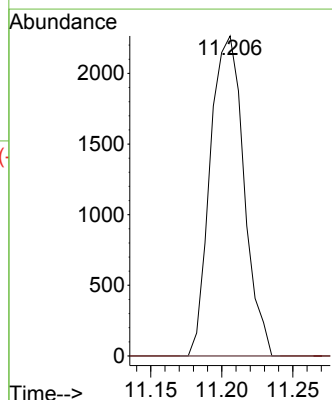
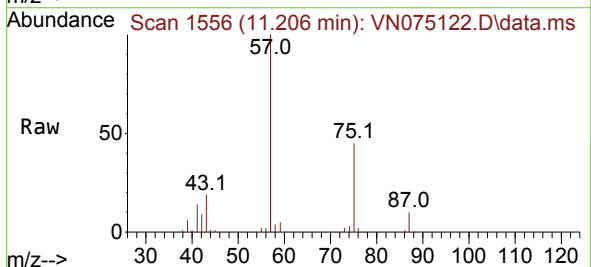
Instrument :
MSVOA_N
ClientSampleId :
TP-H

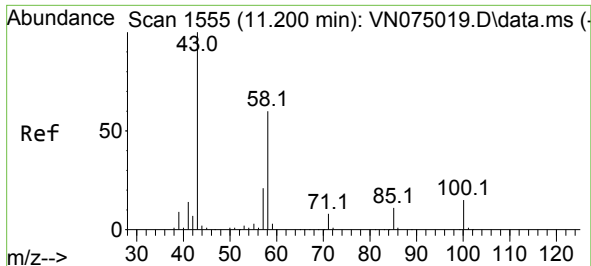
Tgt Ion: 69 Resp: 471
Ion Ratio Lower Upper
69 100
41 7982.2 45.6 68.4#
39 3690.9 28.5 42.7#



#57
1,3-Dichloropropane
Concen: 1.620 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN075122.D
Acq: 02 Nov 2022 17:16

Tgt Ion: 76 Resp: 3737
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

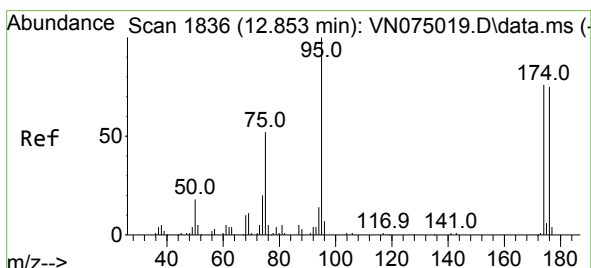
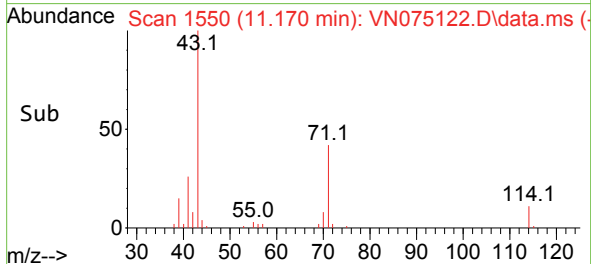
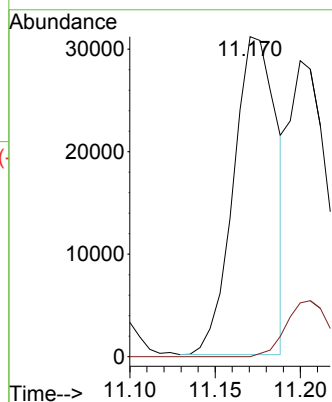
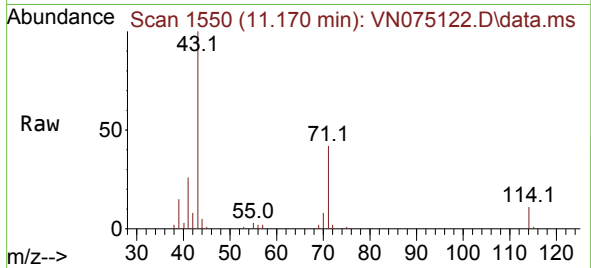




#59
2-Hexanone
Concen: 38.528 ug/l
RT: 11.170 min Scan# 11
Delta R.T. -0.030 min
Lab File: VN075122.D
Acq: 02 Nov 2022 17:16

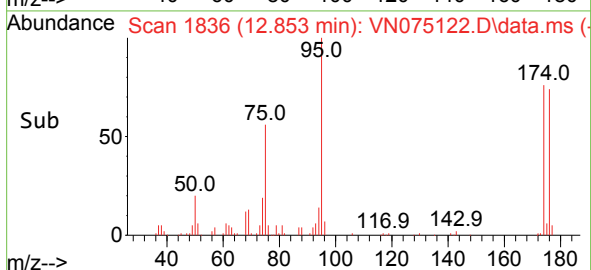
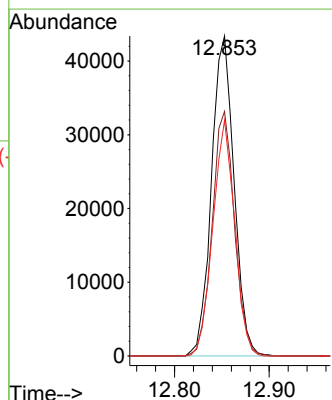
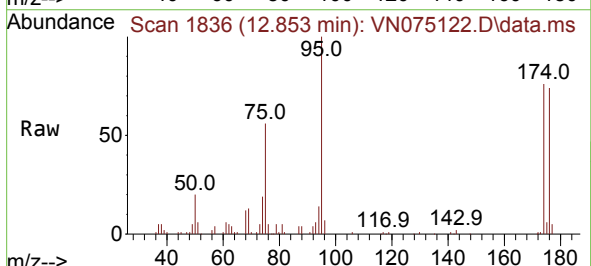
Instrument :
MSVOA_N
ClientSampleId :
TP-H

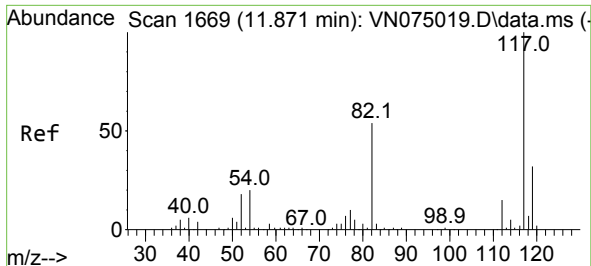
Tgt Ion: 43 Resp: 54789
Ion Ratio Lower Upper
43 100
58 0.0 29.6 88.8#



#62
4-Bromofluorobenzene
Concen: 47.712 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN075122.D
Acq: 02 Nov 2022 17:16

Tgt Ion: 95 Resp: 71691
Ion Ratio Lower Upper
95 100
174 75.8 0.0 147.4
176 71.5 0.0 142.2

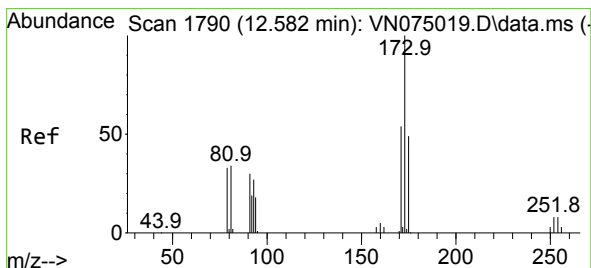
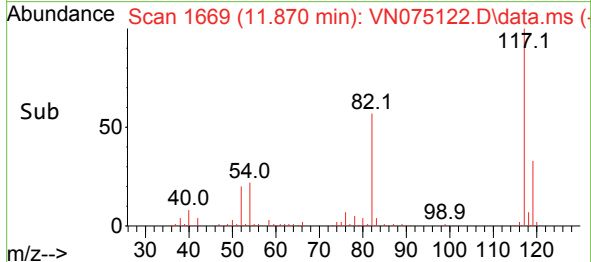
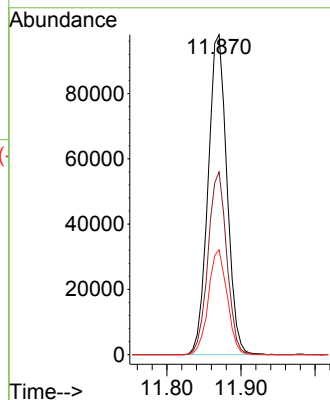
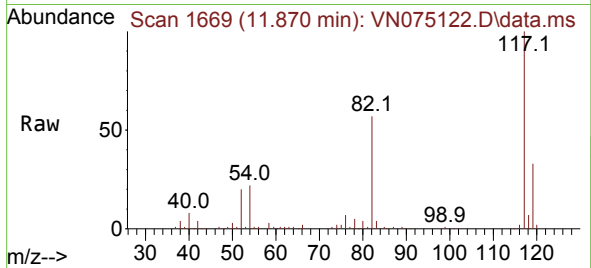




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. -0.001 min
Lab File: VN075122.D
Acq: 02 Nov 2022 17:16

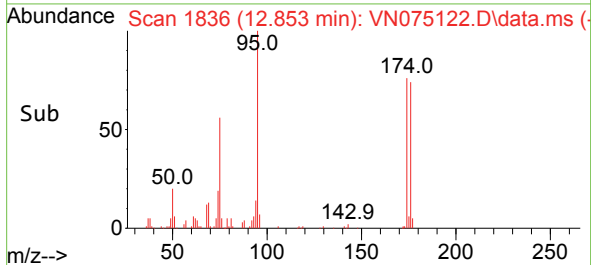
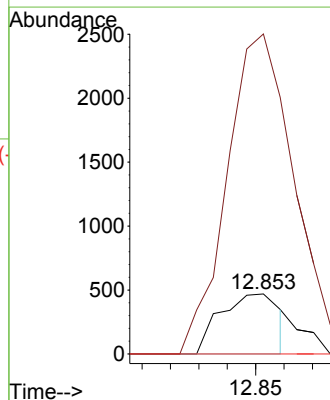
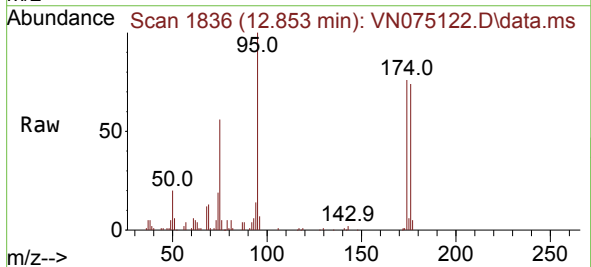
Instrument :
MSVOA_N
ClientSampleId :
TP-H

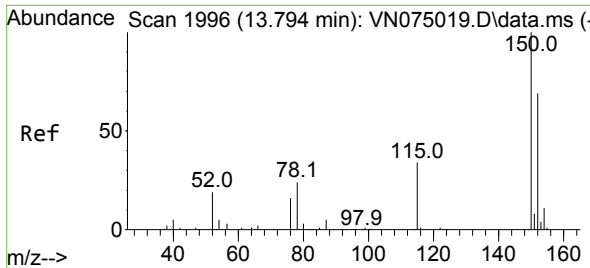
Tgt Ion:117 Resp: 172987
Ion Ratio Lower Upper
117 100
82 57.1 43.1 64.7
119 32.8 25.5 38.3



#71
Bromoform
Concen: 0.666 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN075122.D
Acq: 02 Nov 2022 17:16

Tgt Ion:173 Resp: 683
Ion Ratio Lower Upper
173 100
175 487.3 24.6 74.0#
254 0.0 0.0 0.0

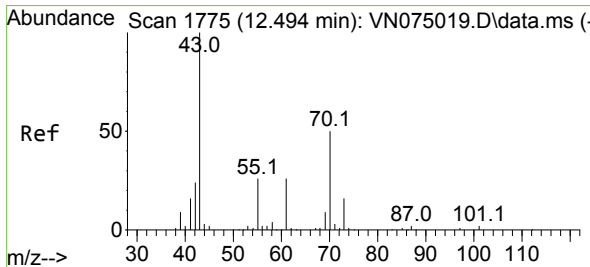
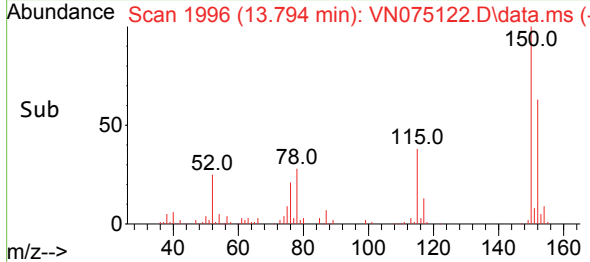
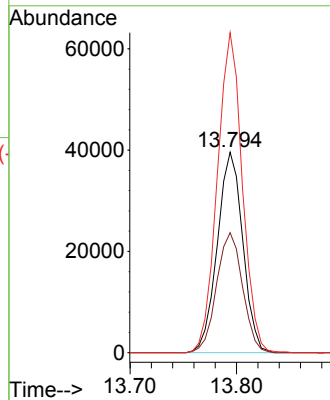
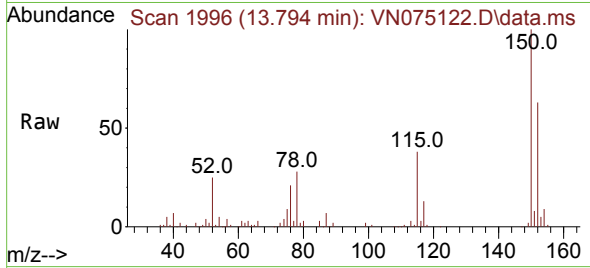




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075122.D
Acq: 02 Nov 2022 17:16

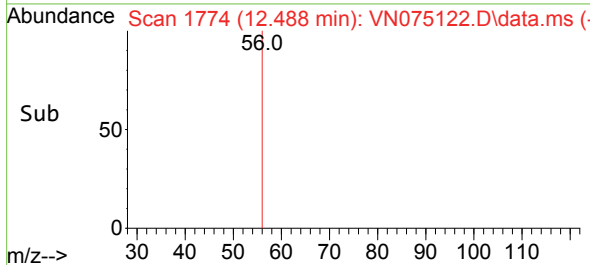
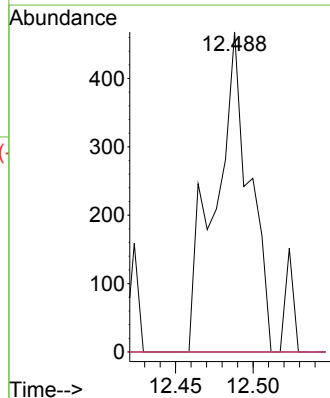
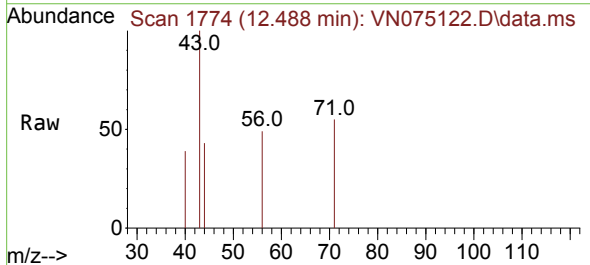
Instrument :
MSVOA_N
ClientSampleId :
TP-H

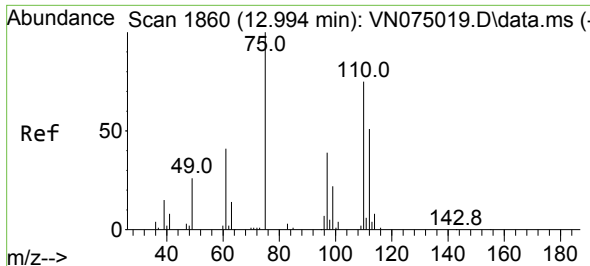
Tgt Ion:152 Resp: 65623
Ion Ratio Lower Upper
152 100
115 61.1 30.2 90.6
150 156.6 0.0 348.4



#74
N-ethyl acetate
Concen: 0.371 ug/l
RT: 12.488 min Scan# 1774
Delta R.T. -0.006 min
Lab File: VN075122.D
Acq: 02 Nov 2022 17:16

Tgt Ion: 43 Resp: 723
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#

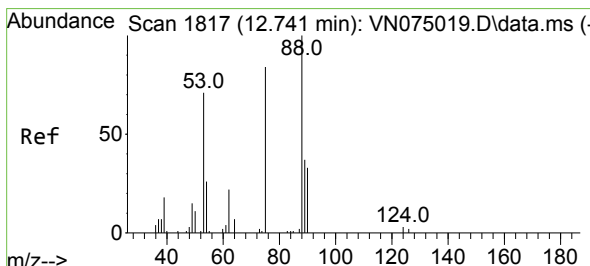
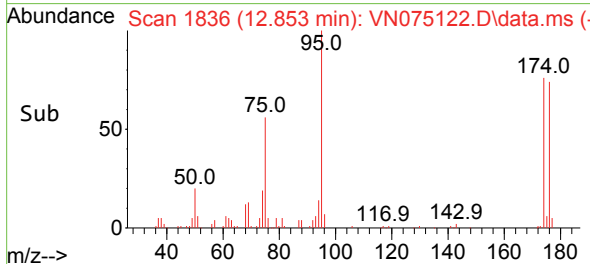
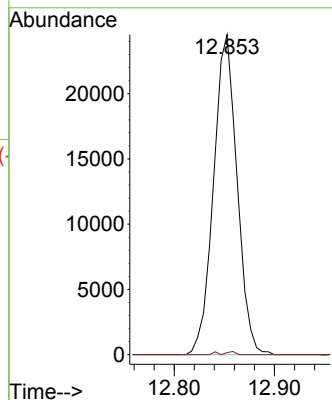
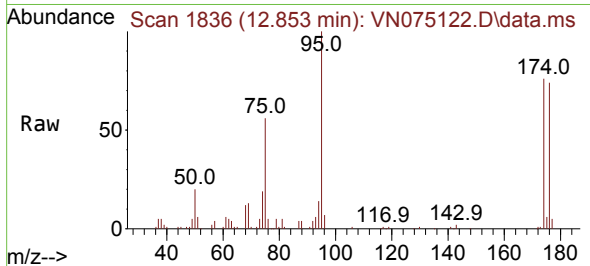




#76
1,2,3-Trichloropropane
Concen: 28.645 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075122.D
Acq: 02 Nov 2022 17:16

Instrument :
MSVOA_N
ClientSampleId :
TP-H

Tgt Ion: 75 Resp: 39912
Ion Ratio Lower Upper
75 100
77 0.4 75.6 226.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.530 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN075122.D
Acq: 02 Nov 2022 17:16

Tgt Ion: 75 Resp: 39912
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#

