

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010623\
 Data File : VN076135.D
 Acq On : 06 Jan 2023 15:48
 Operator : JC\MD
 Sample : 01043-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-202

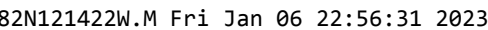
Quant Time: Jan 06 22:56:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

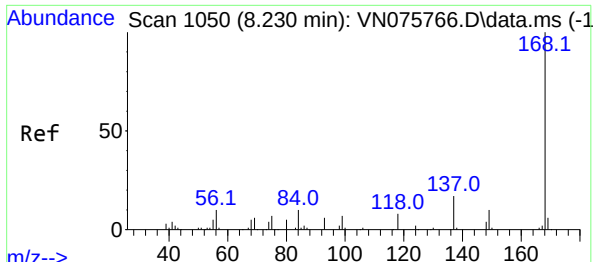
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	324254	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	535356	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	481518	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	193923	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	175868	49.855	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.720%		
35) Dibromofluoromethane	8.171	113	157991	47.654	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.300%		
50) Toluene-d8	10.571	98	627351	50.610	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.220%		
62) 4-Bromofluorobenzene	12.853	95	195608	47.644	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.280%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.536	59	375	0.751	ug/l #	72
16) Acetone	4.442	43	40448	33.262	ug/l	88
18) Methyl Acetate	5.053	43	2832	0.788	ug/l #	76
20) Methylene Chloride	5.289	84	10451	2.606	ug/l	87
25) 2-Butanone	7.494	43	6971	4.094	ug/l #	65
29) Tetrahydrofuran	7.853	42	1039	0.974	ug/l #	68
31) Cyclohexane	8.230	56	6404	1.268	ug/l #	25
36) 1,1-Dichloropropene	8.230	75	24566	5.578	ug/l #	50
37) Ethyl Acetate	7.577	43	29740	8.407	ug/l	99
38) Carbon Tetrachloride	8.230	117	32339	6.561	ug/l #	18
41) Methacrylonitrile	7.859	41	609	0.331	ug/l #	18
42) 1,2-Dichloroethane	8.688	62	1663	0.368	ug/l #	72
43) Isopropyl Acetate	8.694	43	398061	68.213	ug/l #	66
45) 1,2-Dichloropropane	9.741	63	1946	0.589	ug/l #	43
48) Methyl methacrylate	9.747	41	127128	48.369	ug/l #	35
49) 1,4-Dioxane	9.730	88	54	0.836	ug/l #	30
51) 4-Methyl-2-Pentanone	10.447	43	15167	4.298	ug/l #	71
53) t-1,3-Dichloropropene	10.735	75	1223	0.260	ug/l	91
54) cis-1,3-Dichloropropene	10.359	75	61531	11.904	ug/l #	65
56) Ethyl methacrylate	10.994	69	1660	0.360	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	8255	1.449	ug/l #	42
59) 2-Hexanone	11.177	43	117631	45.706	ug/l #	20
71) Bromoform	12.847	173	1964	0.737	ug/l #	1
74) N-amyl acetate	12.488	43	1249	0.304	ug/l #	37
76) 1,2,3-Trichloropropane	12.853	75	100280	25.654	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	100280	92.340	ug/l #	12
95) Naphthalene	15.647	128	761	2.246	ug/l #	69

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

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#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.000 min

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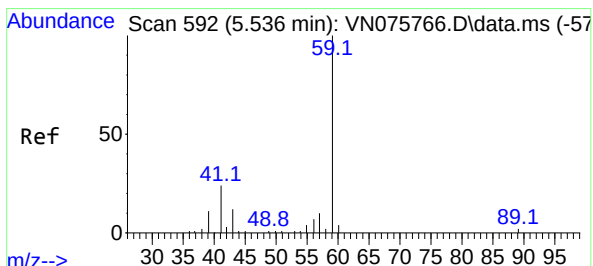
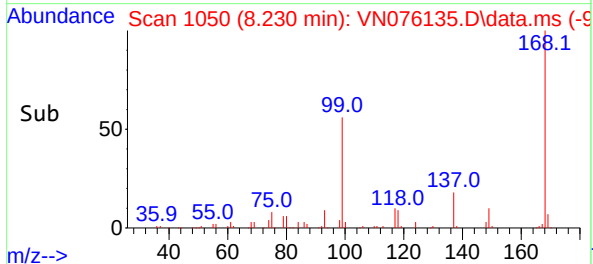
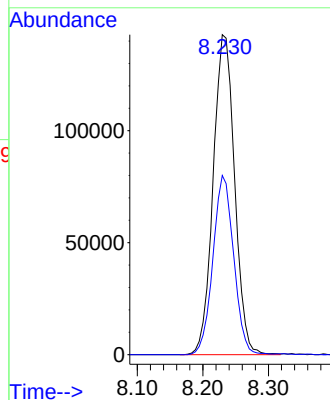
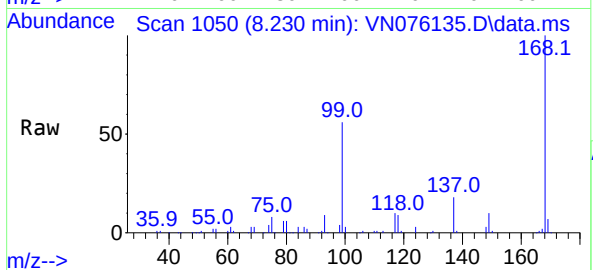
TP-202

Tgt Ion:168 Resp: 324254

Ion Ratio Lower Upper

168 100

99 56.0 44.2 66.4



#11

Tert butyl alcohol

Concen: 0.751 ug/l

RT: 5.536 min Scan# 592

Delta R.T. 0.000 min

Lab File: VN076135.D

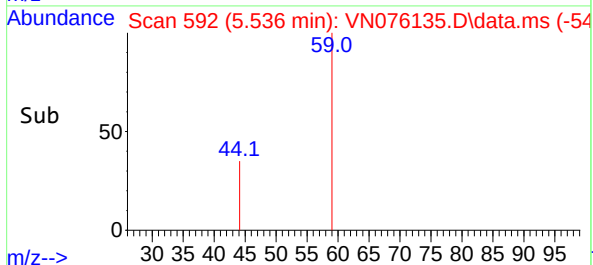
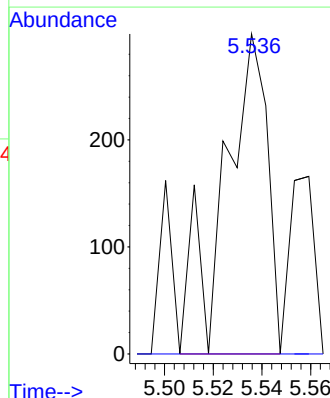
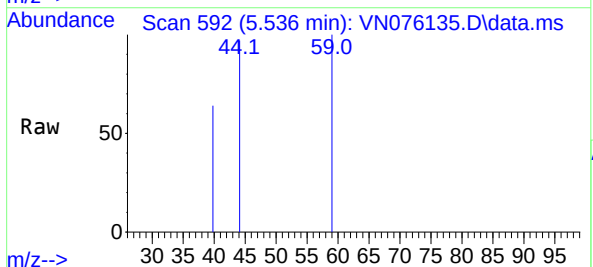
Acq: 06 Jan 2023 15:48

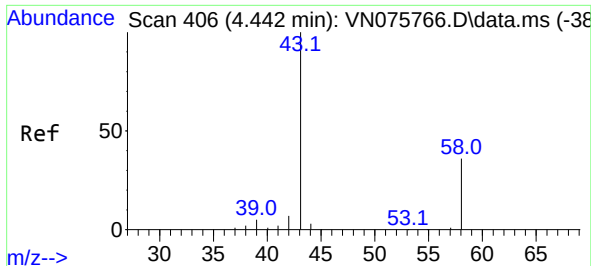
Tgt Ion: 59 Resp: 375

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#





#16

Acetone

Concen: 33.262 ug/l

RT: 4.442 min Scan# 406

Delta R.T. 0.000 min

Lab File: VN076135.D

Acq: 06 Jan 2023 15:48

Instrument :

MSVOA_N

ClientSampleId :

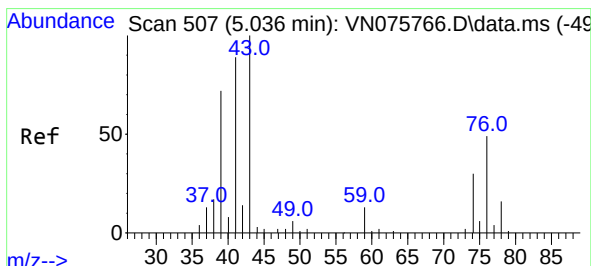
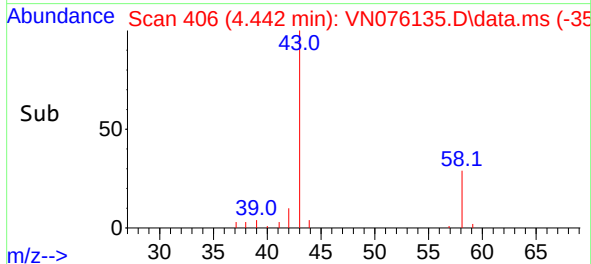
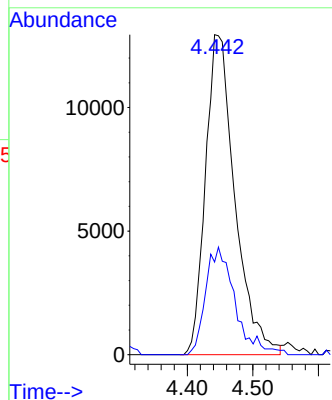
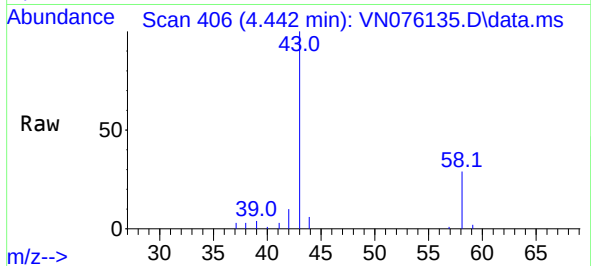
TP-202

Tgt Ion: 43 Resp: 40448

Ion Ratio Lower Upper

43 100

58 29.0 28.6 43.0



#18

Methyl Acetate

Concen: 0.788 ug/l

RT: 5.053 min Scan# 510

Delta R.T. 0.018 min

Lab File: VN076135.D

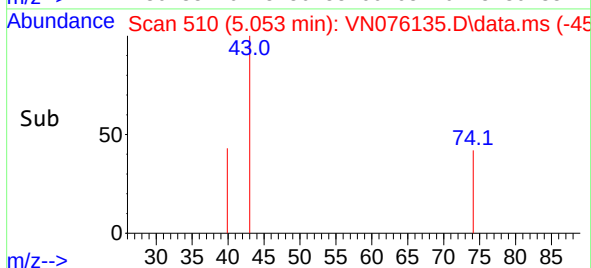
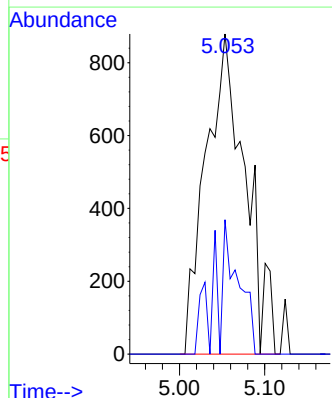
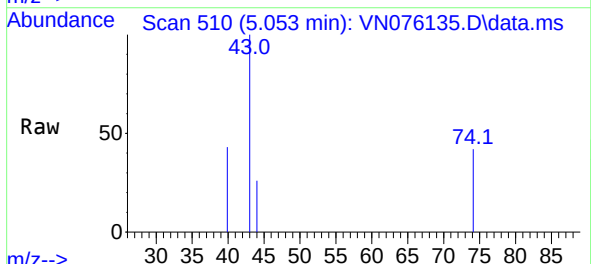
Acq: 06 Jan 2023 15:48

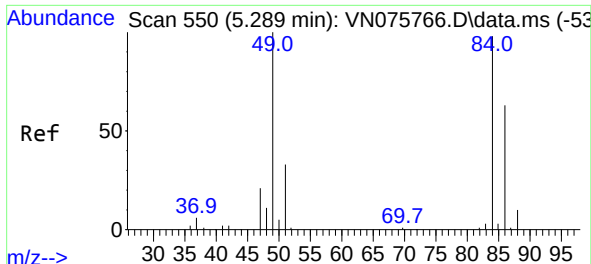
Tgt Ion: 43 Resp: 2832

Ion Ratio Lower Upper

43 100

74 16.6 23.6 35.4#



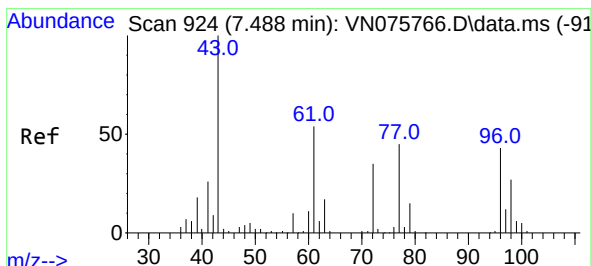
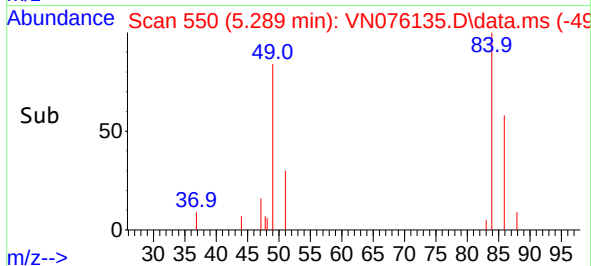
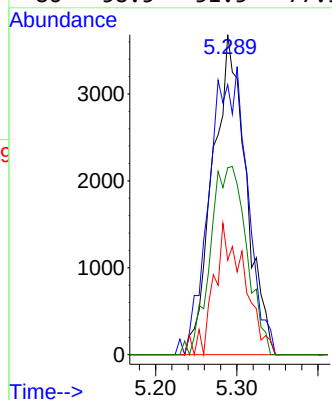
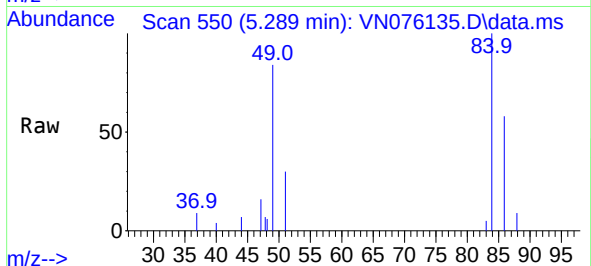


#20
Methylene Chloride
Concen: 2.606 ug/l
RT: 5.289 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN076135.D
Acq: 06 Jan 2023 15:48

Instrument :
MSVOA_N
ClientSampleId :
TP-202

Tgt Ion: 84 Resp: 10451

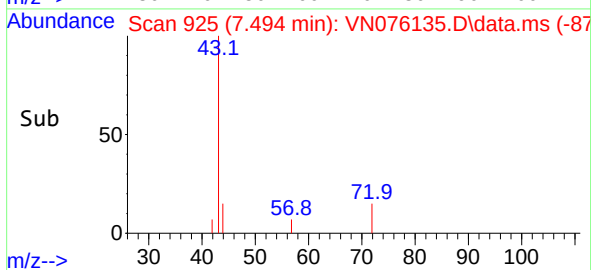
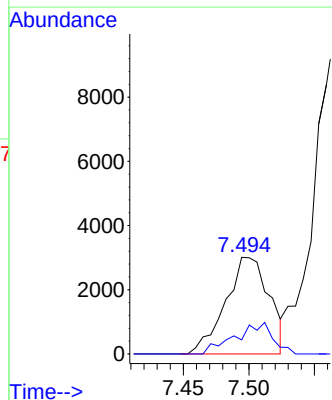
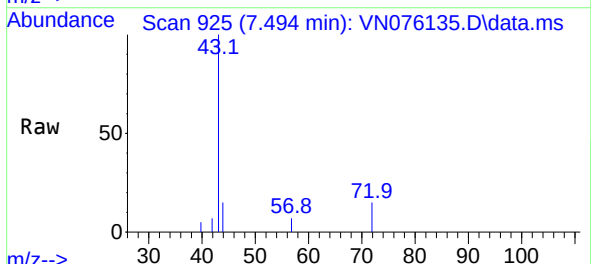
Ion	Ratio	Lower	Upper
84	100		
49	84.4	81.8	122.6
51	29.5	26.7	40.1
86	58.5	51.5	77.3

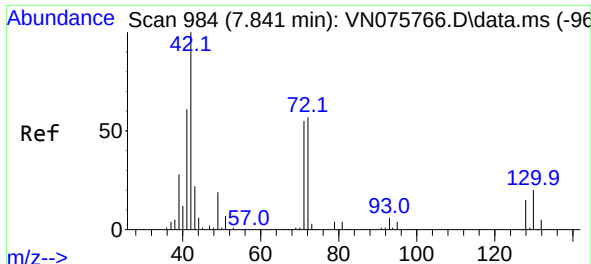


#25
2-Butanone
Concen: 4.094 ug/l
RT: 7.494 min Scan# 925
Delta R.T. 0.006 min
Lab File: VN076135.D
Acq: 06 Jan 2023 15:48

Tgt Ion: 43 Resp: 6971

Ion	Ratio	Lower	Upper
43	100		
72	14.6	28.0	42.0#





#29

Tetrahydrofuran

Concen: 0.974 ug/l

RT: 7.853 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN076135.D

Acq: 06 Jan 2023 15:48

Instrument :

MSVOA_N

ClientSampleId :

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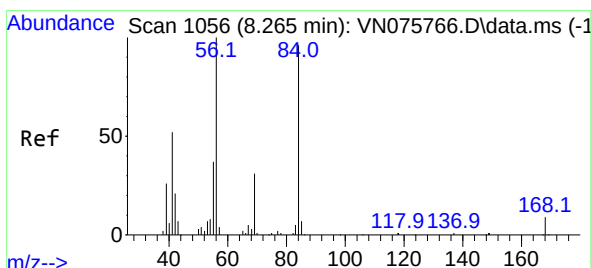
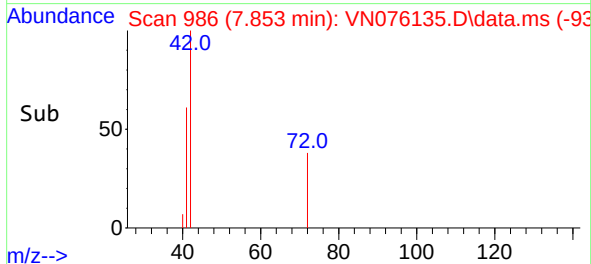
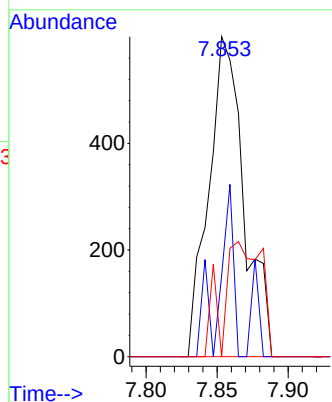
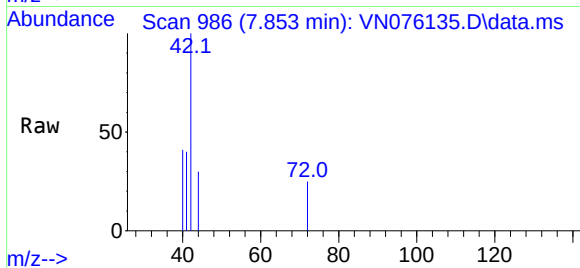
Tgt Ion: 42 Resp: 1039

Ion Ratio Lower Upper

42 100

72 22.3 44.5 66.7#

71 39.5 41.0 61.6#



#31

Cyclohexane

Concen: 1.268 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.035 min

Lab File: VN076135.D

Acq: 06 Jan 2023 15:48

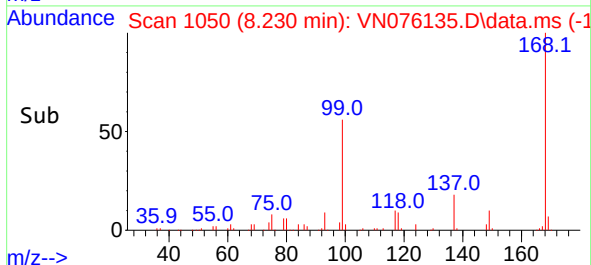
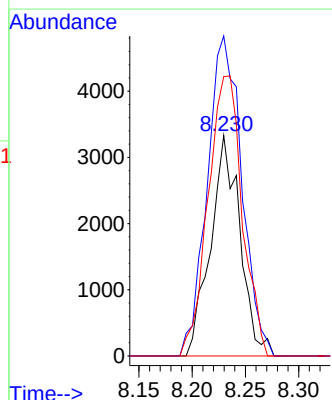
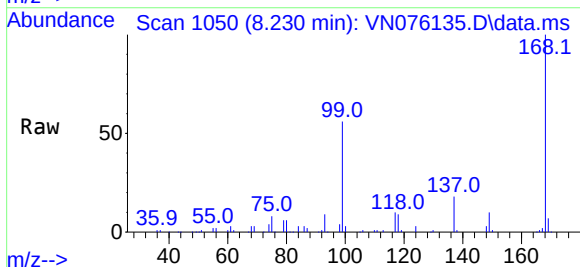
Tgt Ion: 56 Resp: 6404

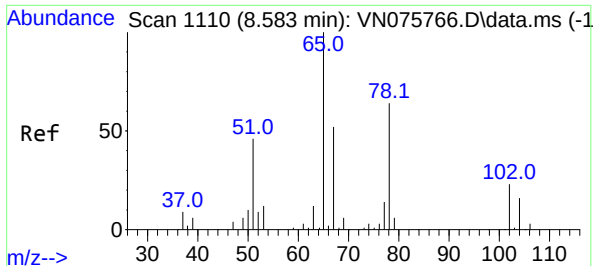
Ion Ratio Lower Upper

56 100

69 145.1 24.7 37.1#

84 126.7 76.5 114.7#

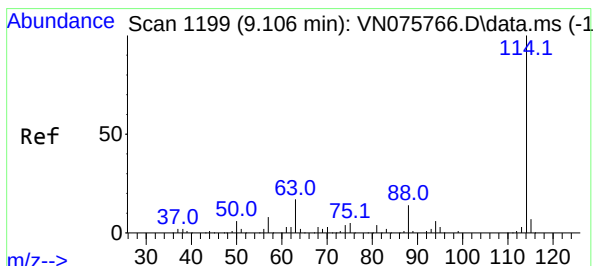
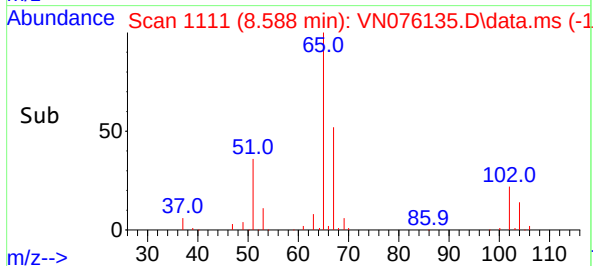
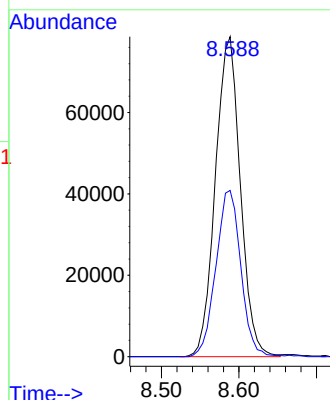
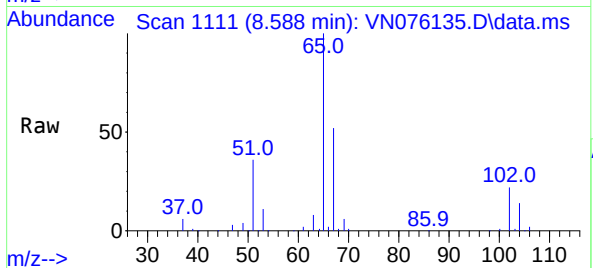




#33
1,2-Dichloroethane-d4
Concen: 49.855 ug/l
RT: 8.588 min Scan# 1110
Delta R.T. 0.006 min
Lab File: VN076135.D
Acq: 06 Jan 2023 15:48

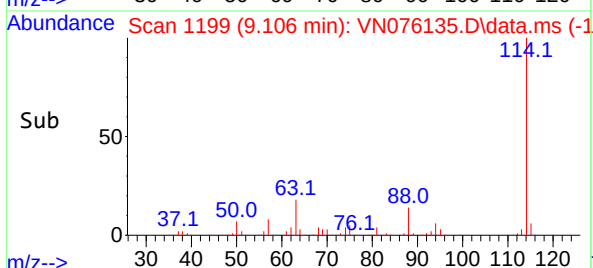
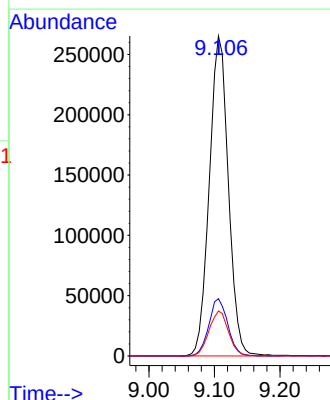
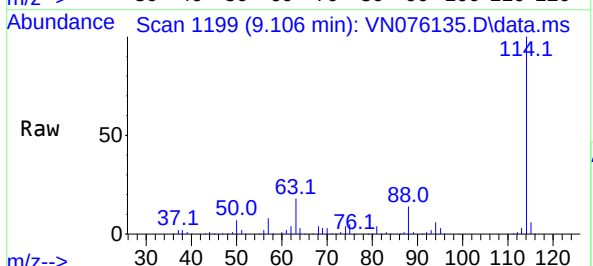
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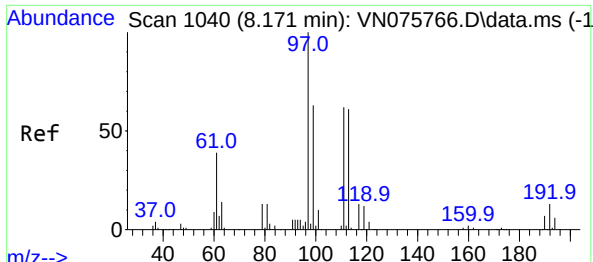
Tgt Ion: 65 Resp: 175868
Ion Ratio Lower Upper
65 100
67 51.8 0.0 103.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN076135.D
Acq: 06 Jan 2023 15:48

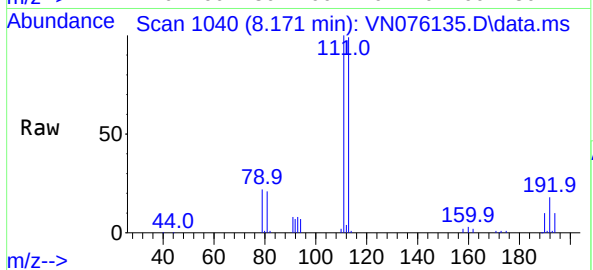
Tgt Ion: 114 Resp: 535356
Ion Ratio Lower Upper
114 100
63 17.9 0.0 34.4
88 14.0 0.0 28.8



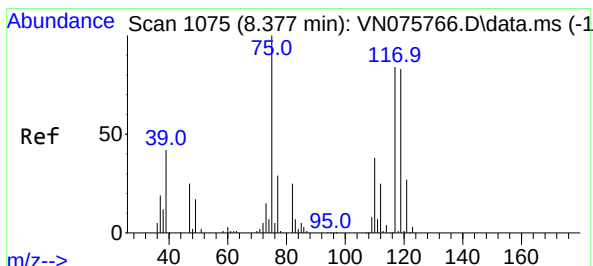
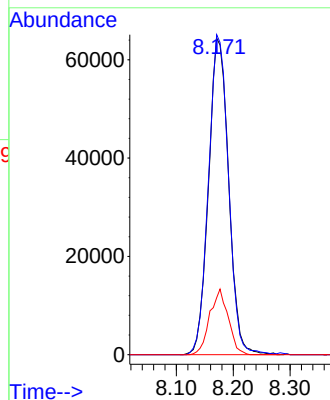
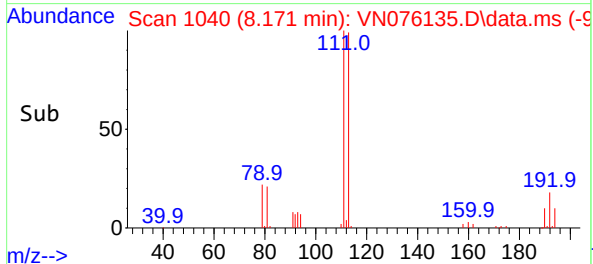


#35
Dibromofluoromethane
Concen: 47.654 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VN076135.D
Acq: 06 Jan 2023 15:48

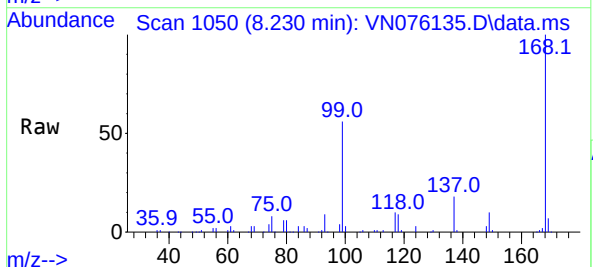
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MSVOA_N
ClientSampleId :
TP-202



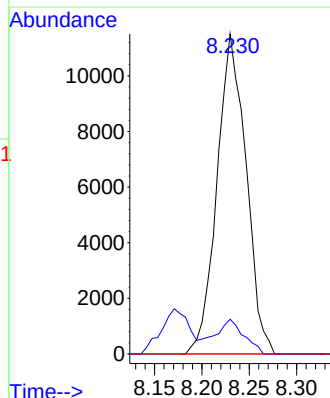
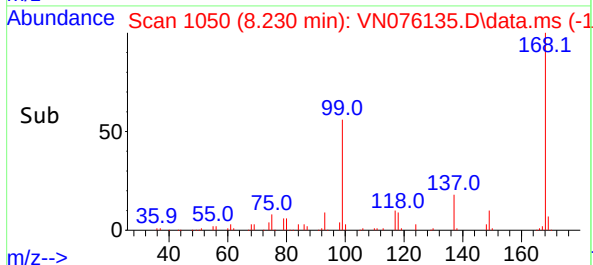
Tgt Ion:113 Resp: 157991
Ion Ratio Lower Upper
113 100
111 100.5 83.4 125.2
192 19.1 16.1 24.1

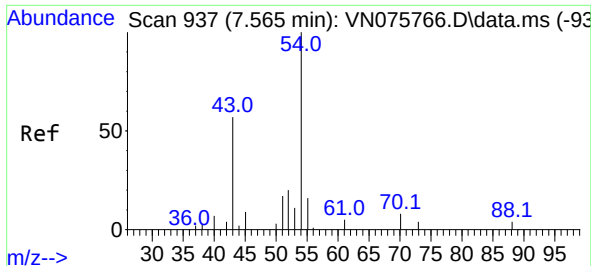


#36
1,1-Dichloropropene
Concen: 5.578 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN076135.D
Acq: 06 Jan 2023 15:48



Tgt Ion: 75 Resp: 24566
Ion Ratio Lower Upper
75 100
110 10.4 18.8 56.4#
77 0.0 24.1 36.1#

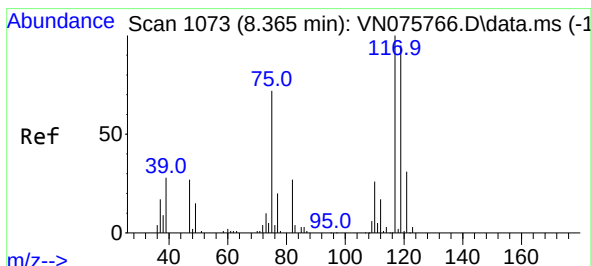
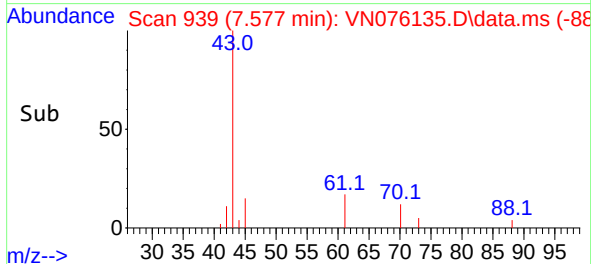
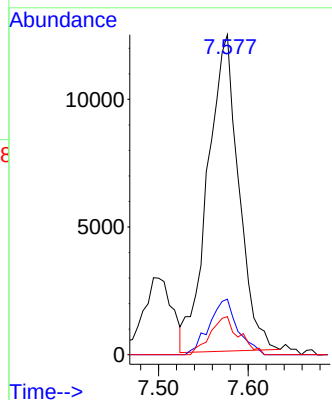
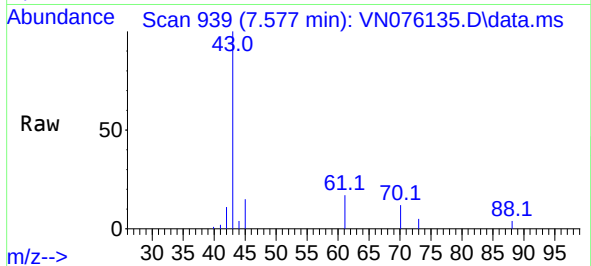




#37
Ethyl Acetate
Concen: 8.407 ug/l
RT: 7.577 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN076135.D
Acq: 06 Jan 2023 15:48

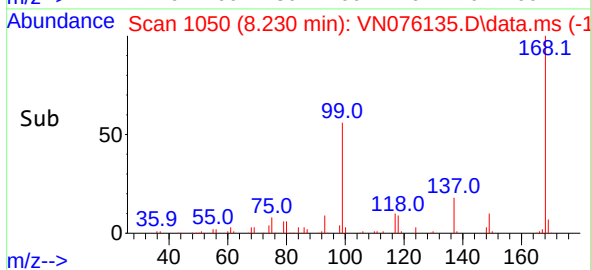
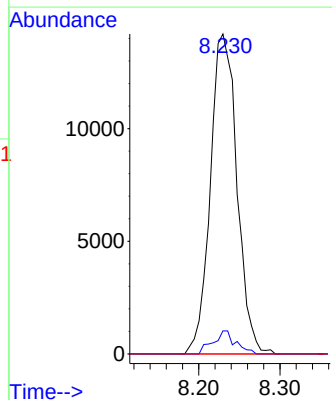
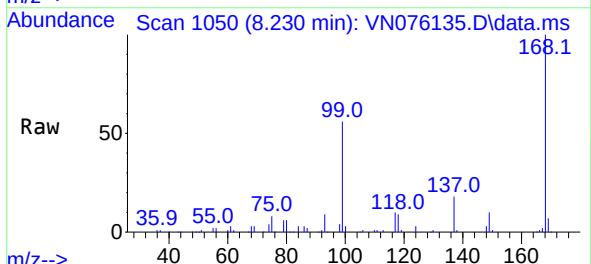
Instrument :
MSVOA_N
ClientSampleId :
TP-202

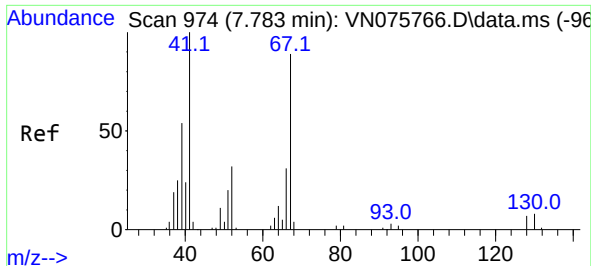
Tgt Ion: 43 Resp: 29740
Ion Ratio Lower Upper
43 100
61 16.2 13.0 19.4
70 11.3 9.4 14.0



#38
Carbon Tetrachloride
Concen: 6.561 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN076135.D
Acq: 06 Jan 2023 15:48

Tgt Ion: 117 Resp: 32339
Ion Ratio Lower Upper
117 100
119 7.2 76.1 114.1#
121 0.0 24.5 36.7#

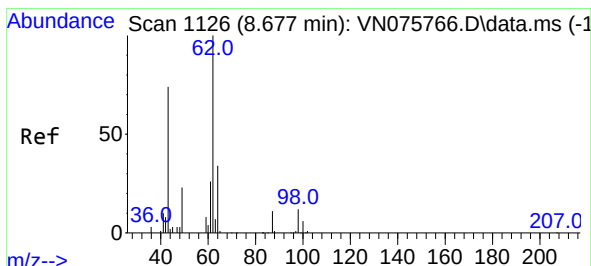
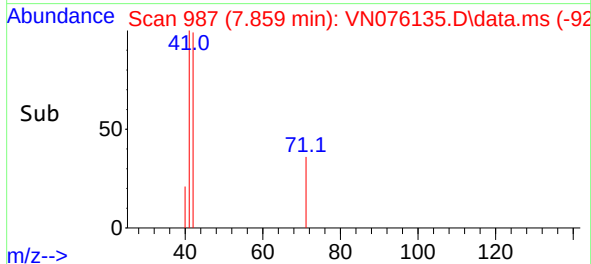
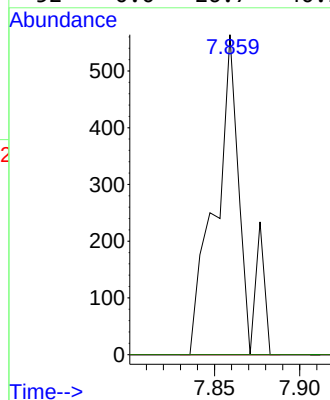
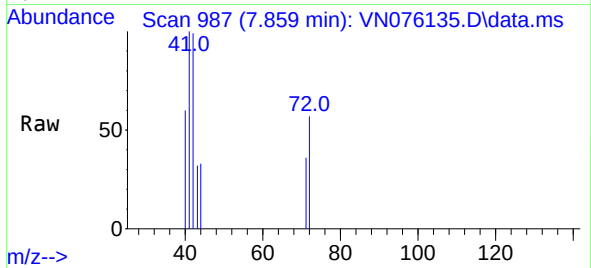




#41
Methacrylonitrile
Concen: 0.331 ug/l
RT: 7.859 min Scan# 91
Delta R.T. 0.077 min
Lab File: VN076135.D
Acq: 06 Jan 2023 15:48

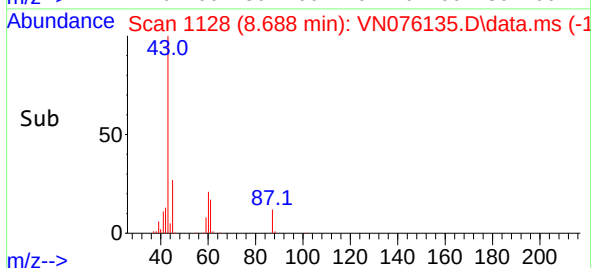
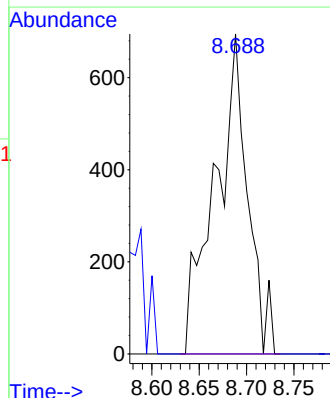
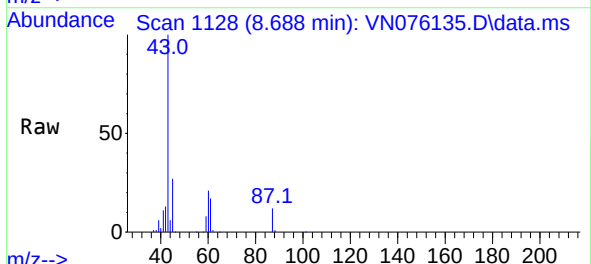
Instrument :
MSVOA_N
ClientSampleId :
TP-202

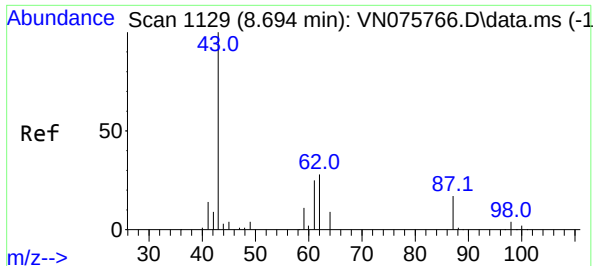
Tgt Ion:	41	Resp:	609
Ion	Ratio	Lower	Upper
41	100		
39	0.0	43.1	64.7#
67	0.0	70.7	106.1#
52	0.0	26.7	40.1#



#42
1,2-Dichloroethane
Concen: 0.368 ug/l
RT: 8.688 min Scan# 1128
Delta R.T. 0.012 min
Lab File: VN076135.D
Acq: 06 Jan 2023 15:48

Tgt Ion:	62	Resp:	1663
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	20.8

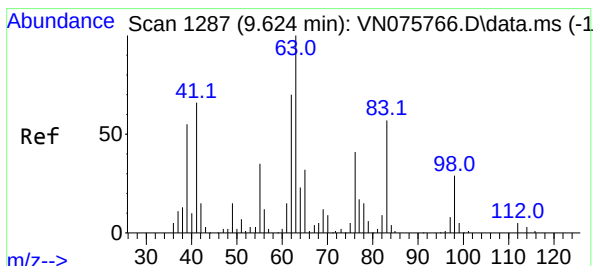
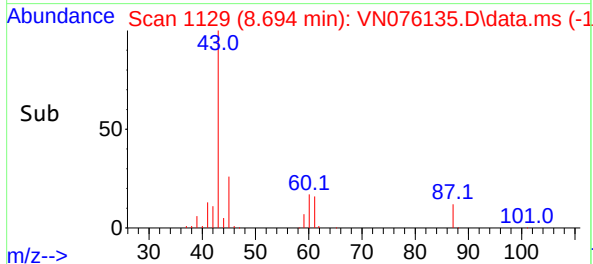
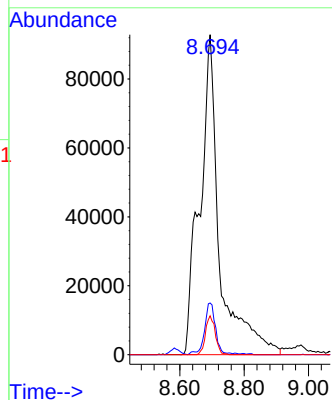
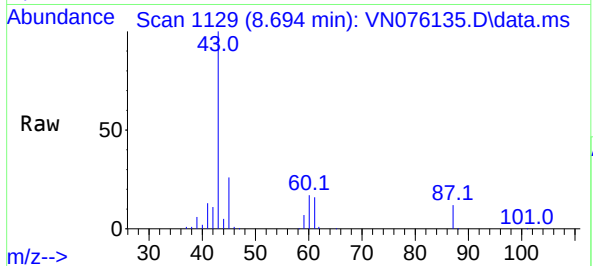




#43
Isopropyl Acetate
Concen: 68.213 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN076135.D
Acq: 06 Jan 2023 15:48

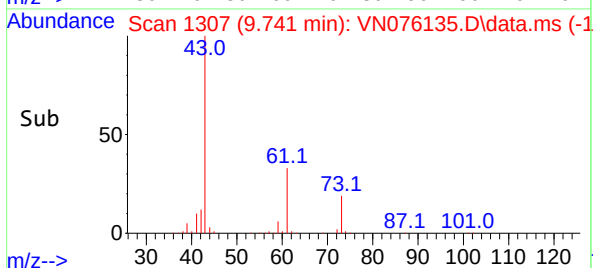
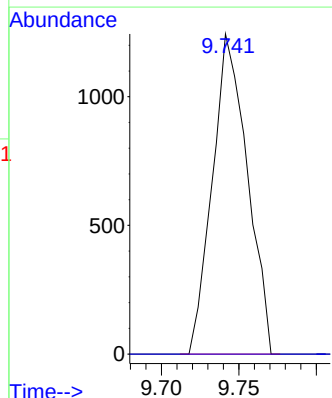
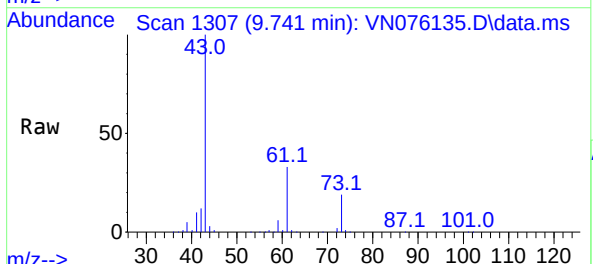
Instrument :
MSVOA_N
ClientSampleId :
TP-202

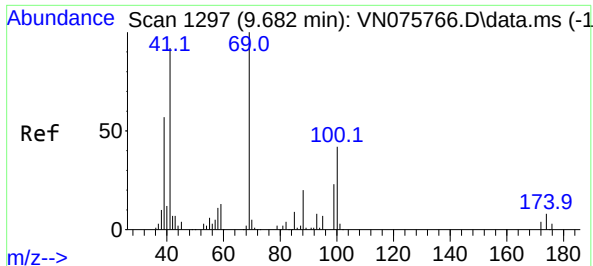
Tgt Ion: 43 Resp: 398061
Ion Ratio Lower Upper
43 100
61 8.9 24.2 36.4#
87 5.9 13.3 19.9#



#45
1,2-Dichloropropane
Concen: 0.589 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.118 min
Lab File: VN076135.D
Acq: 06 Jan 2023 15:48

Tgt Ion: 63 Resp: 1946
Ion Ratio Lower Upper
63 100
65 0.0 25.7 38.5#

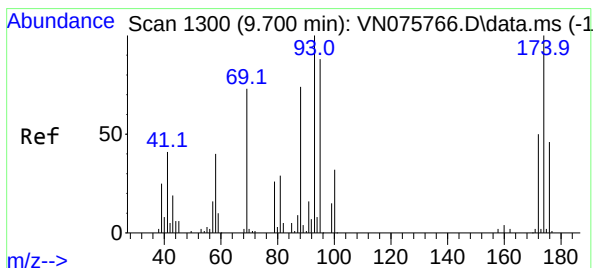
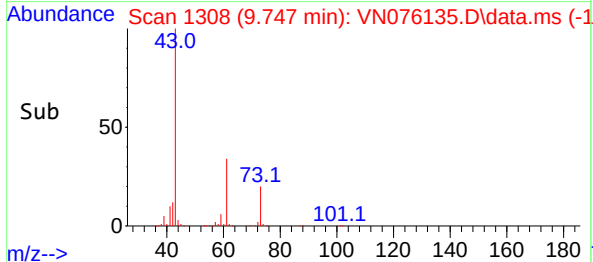
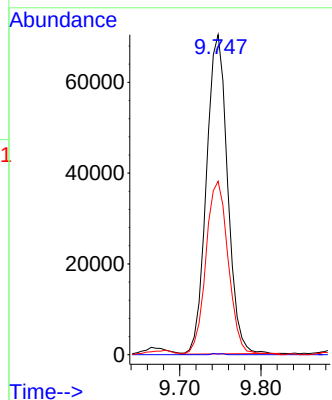
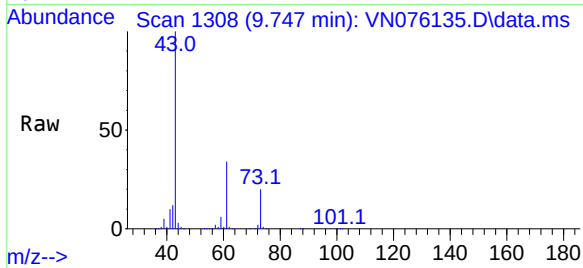




#48
Methyl methacrylate
Concen: 48.369 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.065 min
Lab File: VN076135.D
Acq: 06 Jan 2023 15:48

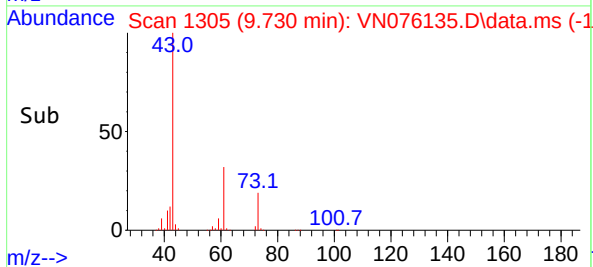
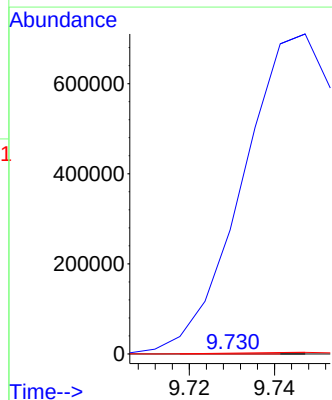
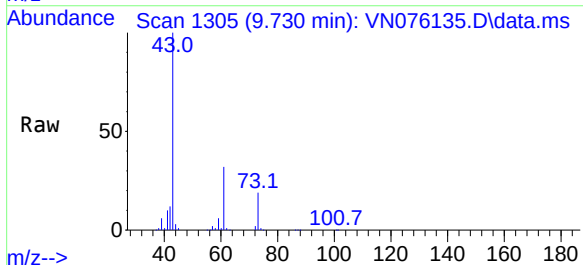
Instrument :
MSVOA_N
ClientSampleId :
TP-202

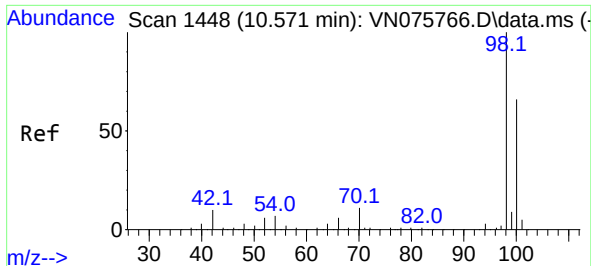
Tgt Ion: 41 Resp: 127128
Ion Ratio Lower Upper
41 100
69 0.2 81.9 122.9#
39 57.6 51.6 77.4



#49
1,4-Dioxane
Concen: 0.836 ug/l
RT: 9.730 min Scan# 1305
Delta R.T. 0.029 min
Lab File: VN076135.D
Acq: 06 Jan 2023 15:48

Tgt Ion: 88 Resp: 54
Ion Ratio Lower Upper
88 100
43 0.0 17.1 25.7#
58 0.0 47.8 71.8#

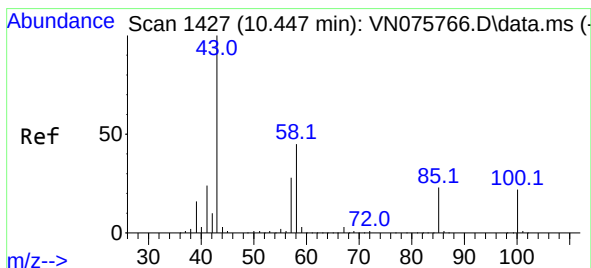
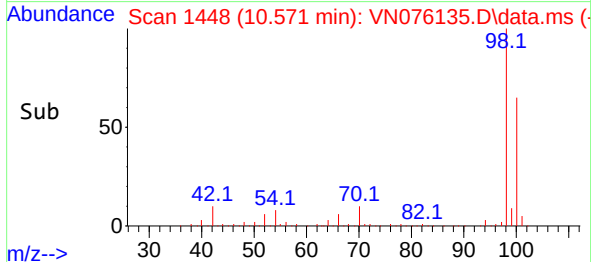
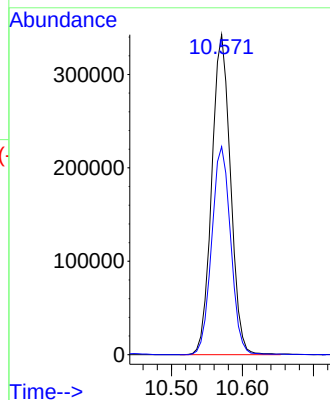
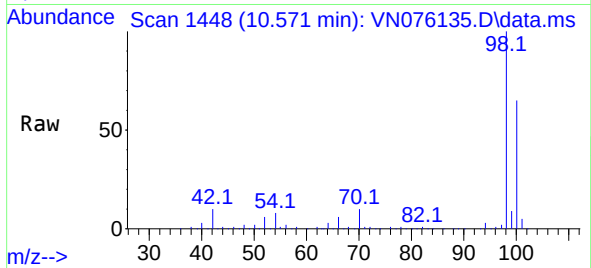




#50
Toluene-d8
Concen: 50.610 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN076135.D
Acq: 06 Jan 2023 15:48

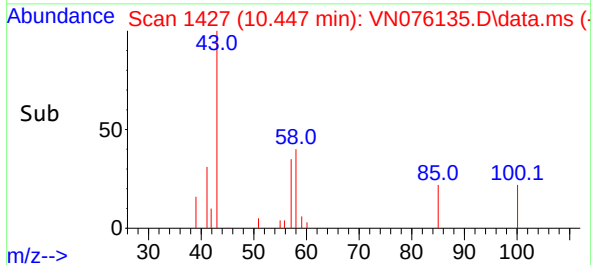
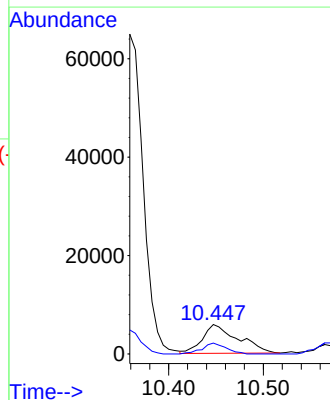
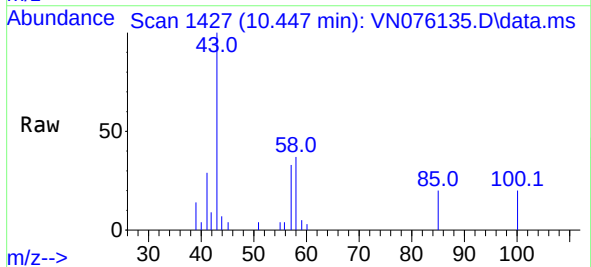
Instrument :
MSVOA_N
ClientSampleId :
TP-202

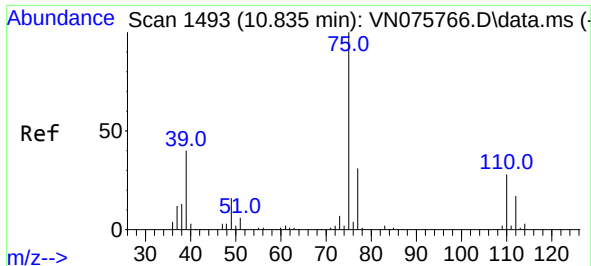
Tgt Ion: 98 Resp: 627351
Ion Ratio Lower Upper
98 100
100 65.9 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 4.298 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN076135.D
Acq: 06 Jan 2023 15:48

Tgt Ion: 43 Resp: 15167
Ion Ratio Lower Upper
43 100
58 25.6 35.5 53.3#

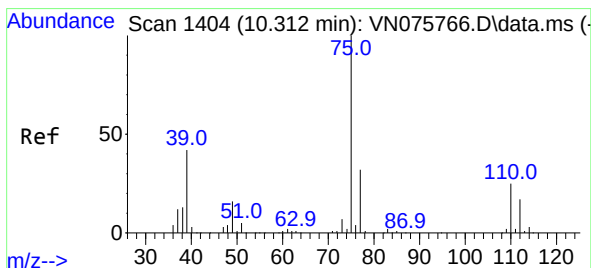
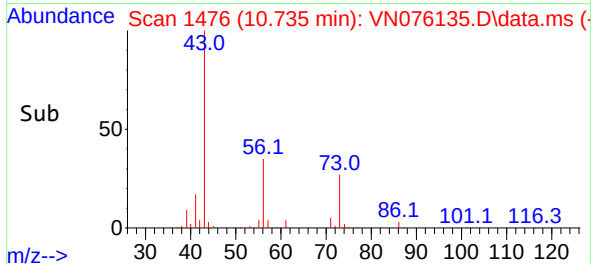
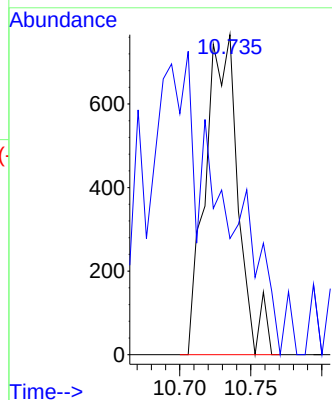
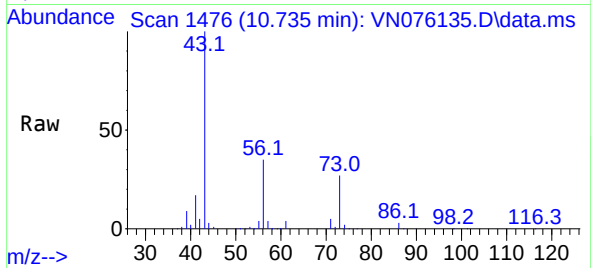




#53
t-1,3-Dichloropropene
Concen: 0.260 ug/l
RT: 10.735 min Scan# 1412
Delta R.T. -0.100 min
Lab File: VN076135.D
Acq: 06 Jan 2023 15:48

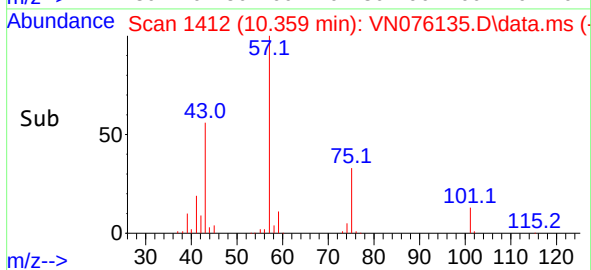
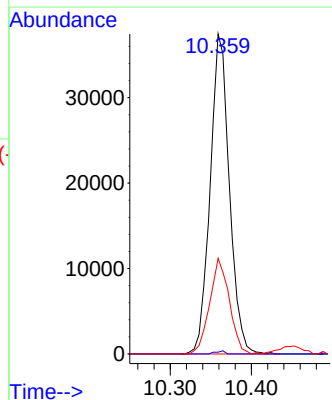
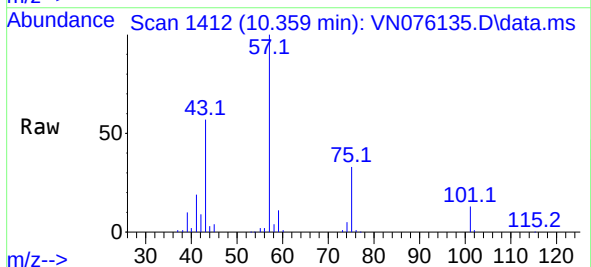
Instrument :
MSVOA_N
ClientSampleId :
TP-202

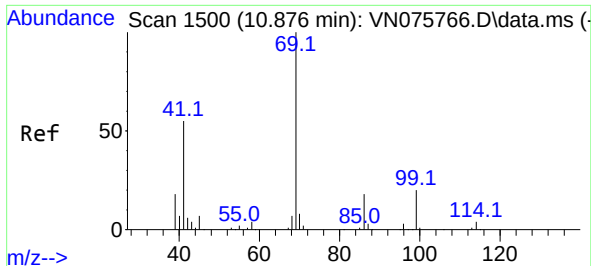
Tgt Ion: 75 Resp: 1223
Ion Ratio Lower Upper
75 100
77 36.3 24.9 37.3



#54
cis-1,3-Dichloropropene
Concen: 11.904 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. 0.047 min
Lab File: VN076135.D
Acq: 06 Jan 2023 15:48

Tgt Ion: 75 Resp: 61531
Ion Ratio Lower Upper
75 100
77 0.6 25.8 38.8#
39 29.8 33.4 50.2#

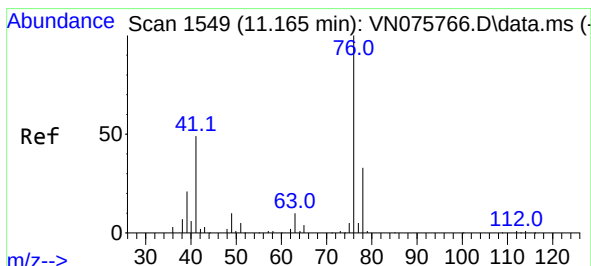
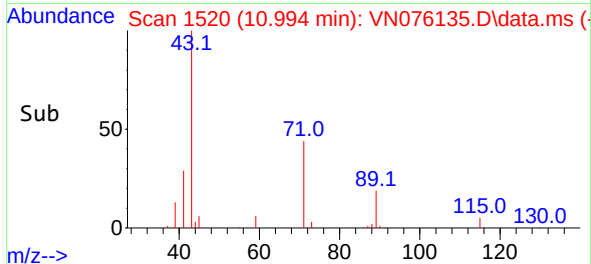
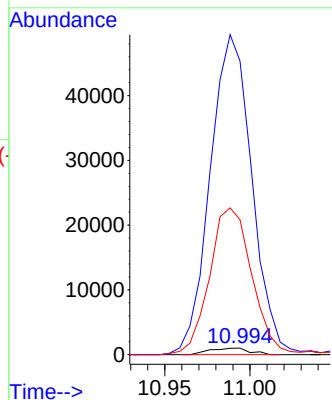
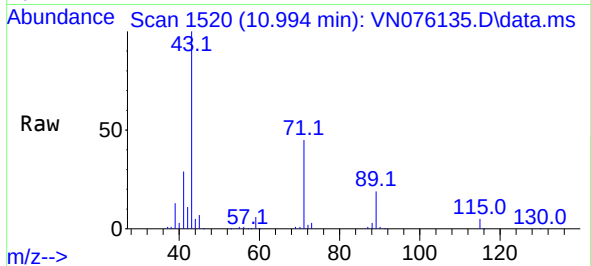




#56
Ethyl methacrylate
Concen: 0.360 ug/l
RT: 10.994 min Scan# 1520
Delta R.T. 0.118 min
Lab File: VN076135.D
Acq: 06 Jan 2023 15:48

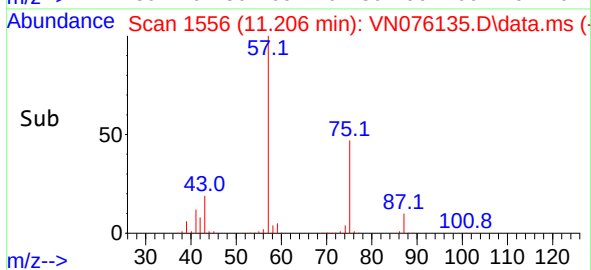
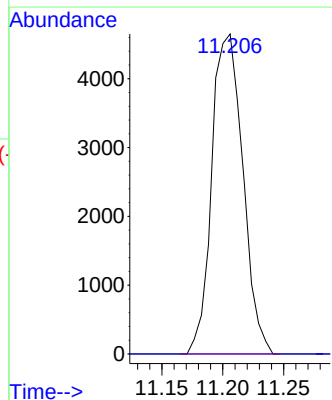
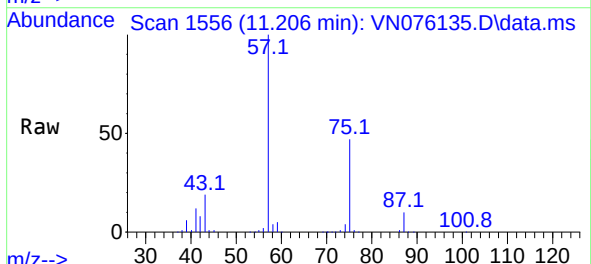
Instrument :
MSVOA_N
ClientSampleId :
TP-202

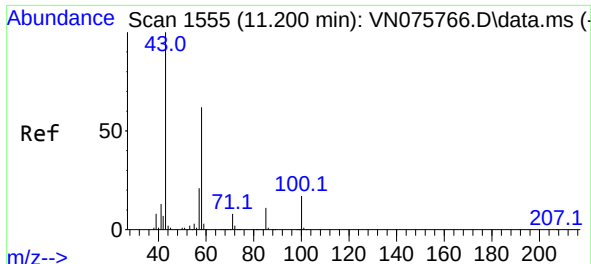
Tgt Ion: 69 Resp: 1660
Ion Ratio Lower Upper
69 100
41 5092.8 44.2 66.4#
39 2387.9 26.4 39.6#



#57
1,3-Dichloropropane
Concen: 1.449 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN076135.D
Acq: 06 Jan 2023 15:48

Tgt Ion: 76 Resp: 8255
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

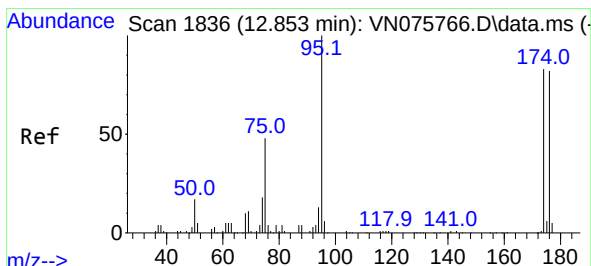
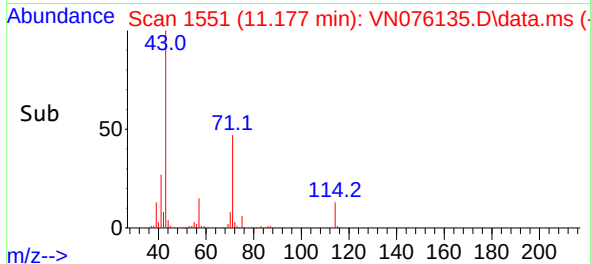
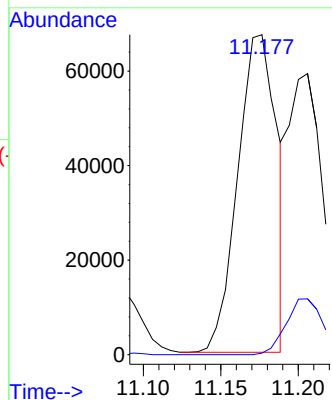
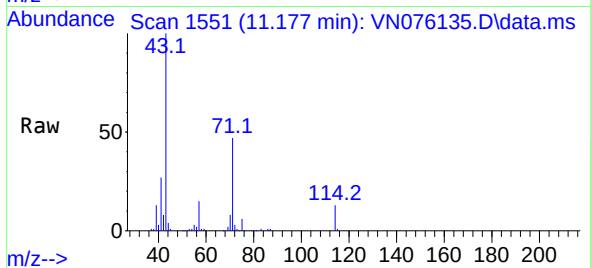




#59
2-Hexanone
Concen: 45.706 ug/l
RT: 11.177 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN076135.D
Acq: 06 Jan 2023 15:48

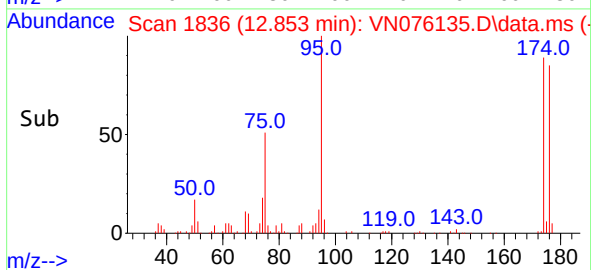
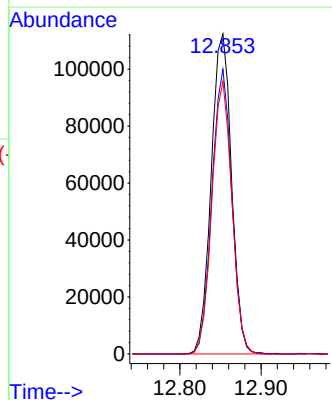
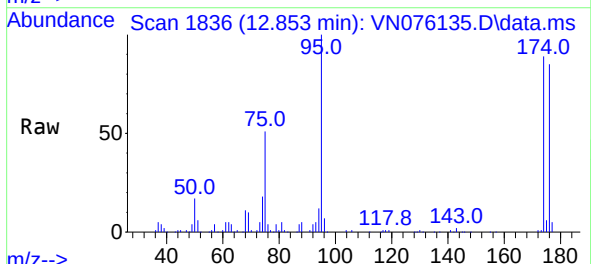
Instrument :
MSVOA_N
ClientSampleId :
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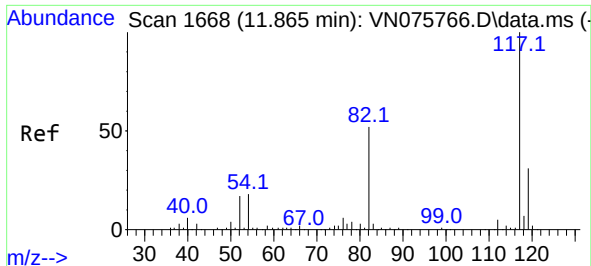
Tgt Ion: 43 Resp: 117631
Ion Ratio Lower Upper
43 100
58 0.0 30.6 92.0#



#62
4-Bromofluorobenzene
Concen: 47.644 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN076135.D
Acq: 06 Jan 2023 15:48

Tgt Ion: 95 Resp: 195608
Ion Ratio Lower Upper
95 100
174 87.1 0.0 171.6
176 83.5 0.0 169.2

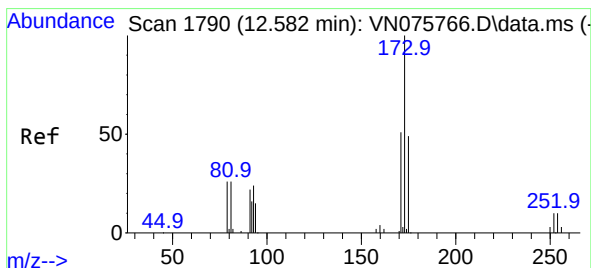
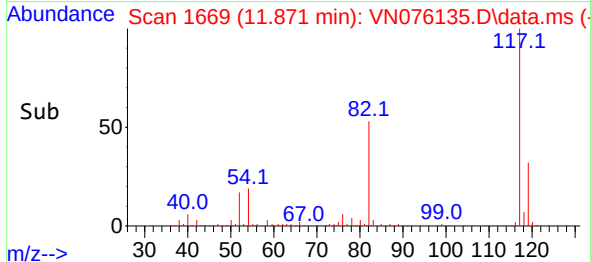
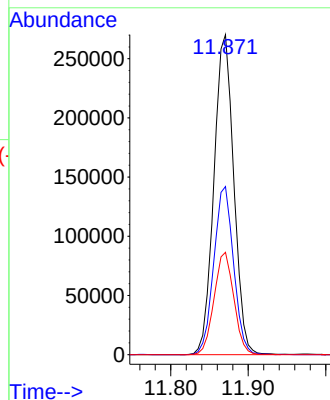
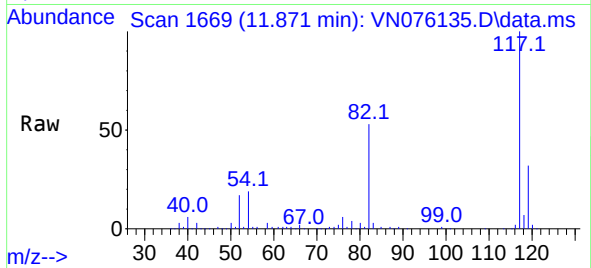




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN076135.D
Acq: 06 Jan 2023 15:48

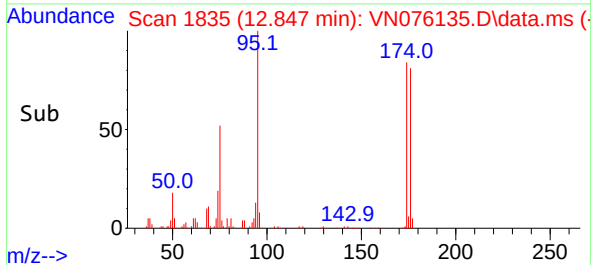
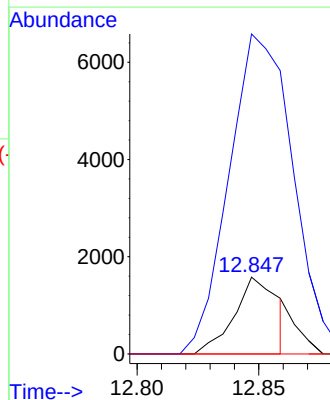
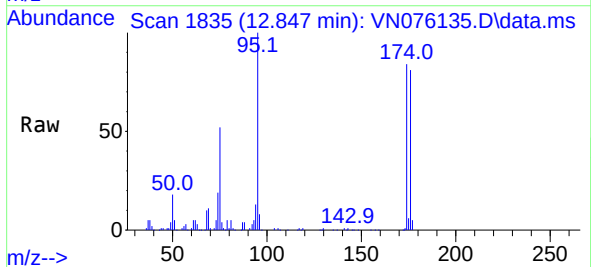
Instrument :
MSVOA_N
ClientSampleId :
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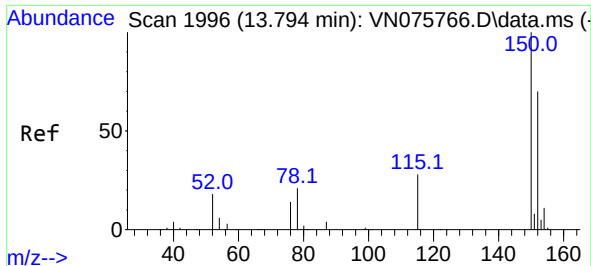
Tgt Ion:117 Resp: 481518
Ion Ratio Lower Upper
117 100
82 52.6 41.3 61.9
119 32.0 24.6 37.0



#71
Bromoform
Concen: 0.737 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN076135.D
Acq: 06 Jan 2023 15:48

Tgt Ion:173 Resp: 1964
Ion Ratio Lower Upper
173 100
175 500.8 24.3 72.8#
254 0.0 0.0 0.0

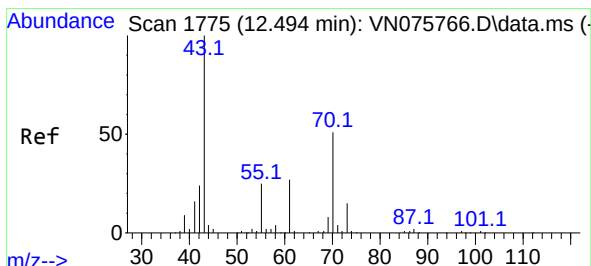
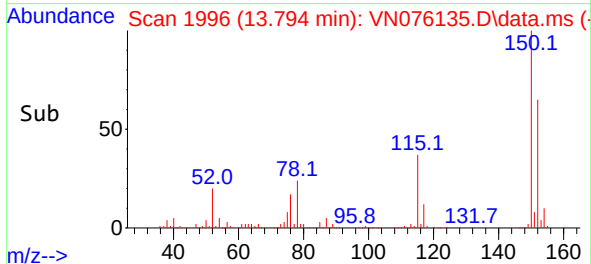
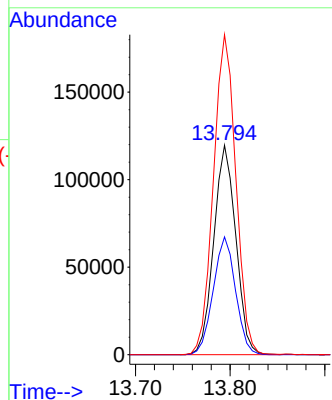
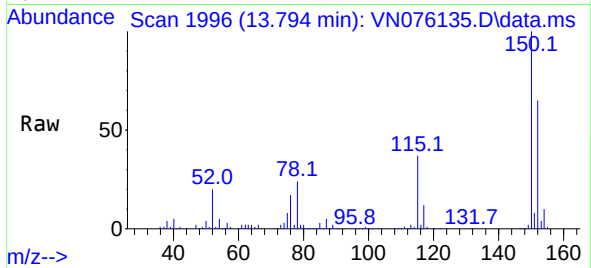




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN076135.D
Acq: 06 Jan 2023 15:48

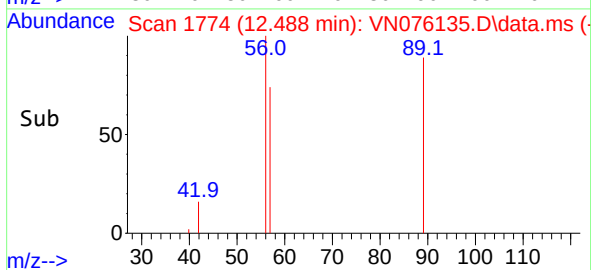
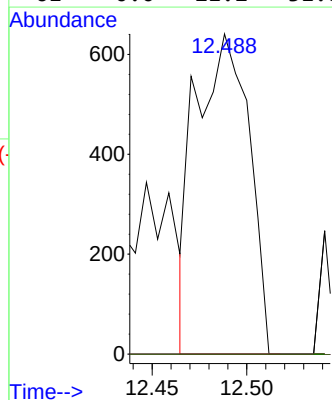
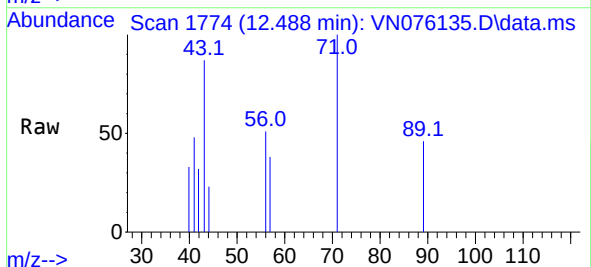
Instrument :
MSVOA_N
ClientSampleId :
TP-202

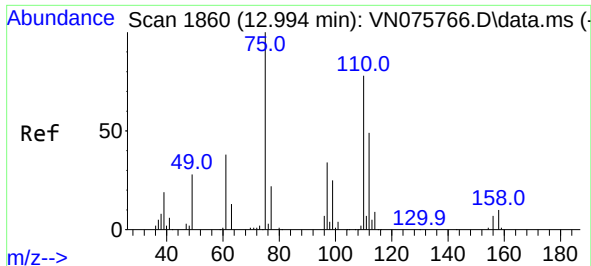
Tgt Ion:152 Resp: 193923
Ion Ratio Lower Upper
152 100
115 56.8 29.1 87.4
150 155.5 0.0 347.0



#74
N-ethyl acetate
Concen: 0.304 ug/l
RT: 12.488 min Scan# 1774
Delta R.T. -0.006 min
Lab File: VN076135.D
Acq: 06 Jan 2023 15:48

Tgt Ion: 43 Resp: 1249
Ion Ratio Lower Upper
43 100
70 0.0 41.4 62.0#
55 0.0 21.3 31.9#
61 0.0 21.2 31.8#

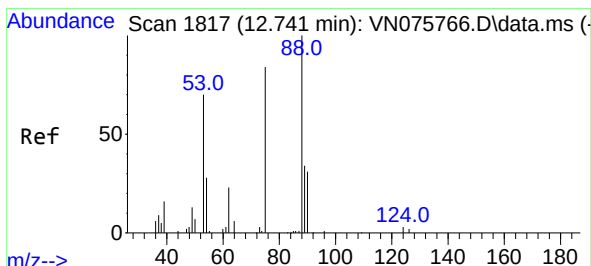
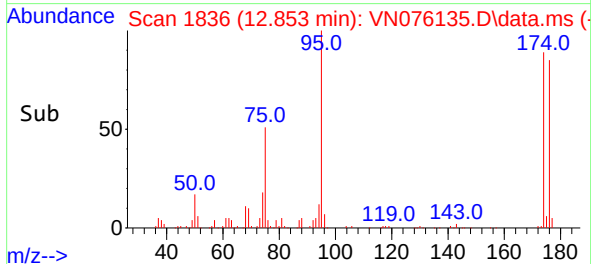
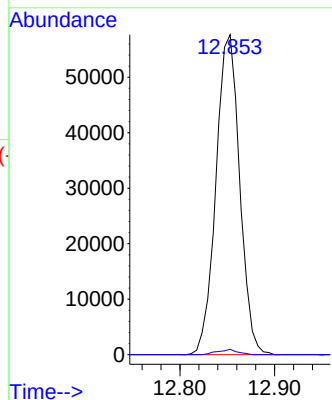
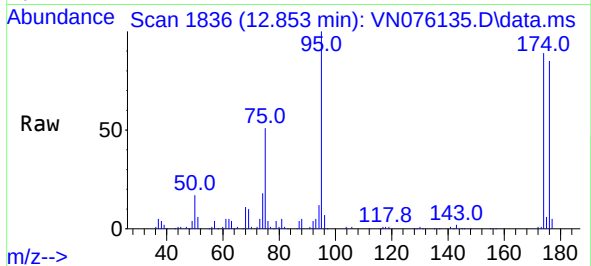




#76
1,2,3-Trichloropropane
Concen: 25.654 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076135.D
Acq: 06 Jan 2023 15:48

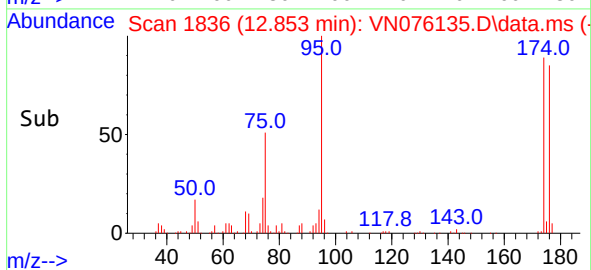
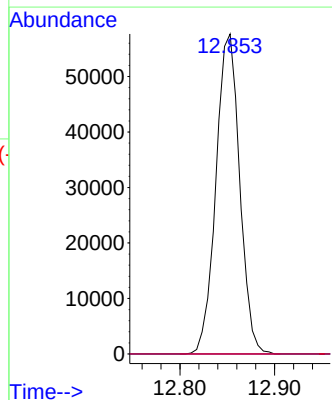
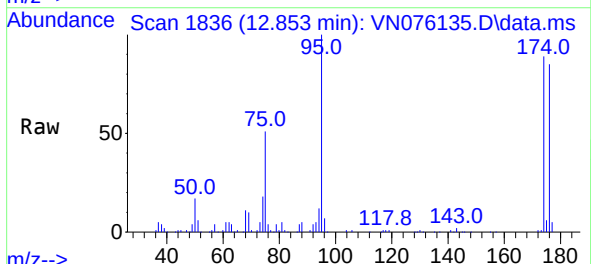
Instrument :
MSVOA_N
ClientSampleId :
TP-202

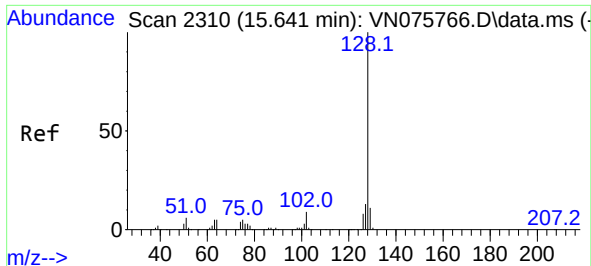
Tgt Ion: 75 Resp: 100280
Ion Ratio Lower Upper
75 100
77 1.4 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 92.340 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN076135.D
Acq: 06 Jan 2023 15:48

Tgt Ion: 75 Resp: 100280
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#





#95

Naphthalene

Concen: 2.246 ug/l

RT: 15.647 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN076135.D

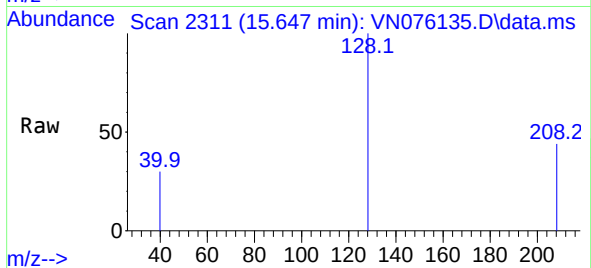
Acq: 06 Jan 2023 15:48

Instrument :

MSVOA_N

ClientSampleId :

TP-202



Tgt Ion:128 Resp: 761

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.7 13.1#

