

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010623\
 Data File : VN076133.D
 Acq On : 06 Jan 2023 15:00
 Operator : JC\MD
 Sample : 01030-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-5

Quant Time: Jan 06 22:55:52 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

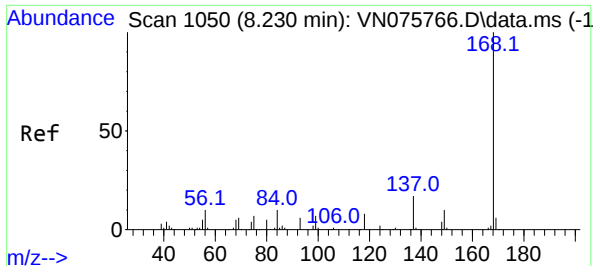
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.236	168	335914	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	551500	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	499588	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	207422	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	182519	49.945	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.880%		
35) Dibromofluoromethane	8.171	113	163890	47.986	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.980%		
50) Toluene-d8	10.571	98	642664	50.327	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.660%		
62) 4-Bromofluorobenzene	12.853	95	204439	48.337	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.680%		
Target Compounds						Qvalue
11) Tert butyl alcohol	5.530	59	207	0.400	ug/l #	72
16) Acetone	4.453	43	38169	30.299	ug/l	96
18) Methyl Acetate	5.030	43	849	0.228	ug/l	95
20) Methylene Chloride	5.289	84	10354	2.464	ug/l #	88
25) 2-Butanone	7.506	43	6890	3.906	ug/l #	87
29) Tetrahydrofuran	7.871	42	965	0.873	ug/l #	42
31) Cyclohexane	8.230	56	6609	1.263	ug/l #	28
36) 1,1-Dichloropropene	8.236	75	24071	5.306	ug/l #	49
37) Ethyl Acetate	7.577	43	29747	8.163	ug/l	96
38) Carbon Tetrachloride	8.230	117	34512	6.797	ug/l #	17
41) Methacrylonitrile	7.847	41	590	0.311	ug/l #	30
42) 1,2-Dichloroethane	8.688	62	1458	0.313	ug/l #	72
43) Isopropyl Acetate	8.694	43	304630	50.674	ug/l #	70
45) 1,2-Dichloropropane	9.735	63	2046	0.601	ug/l #	43
48) Methyl methacrylate	9.747	41	125607	46.391	ug/l #	34
49) 1,4-Dioxane	9.747	88	209	3.140	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	13642	3.752	ug/l #	74
53) t-1,3-Dichloropropene	10.735	75	1033	0.213	ug/l	97
54) cis-1,3-Dichloropropene	10.359	75	59917	11.252	ug/l #	65
56) Ethyl methacrylate	10.988	69	1654	0.348	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	7578	1.291	ug/l #	42
59) 2-Hexanone	11.171	43	115690	43.636	ug/l #	20
71) Bromoform	12.853	173	1730	0.626	ug/l #	1
74) N-amyl acetate	12.494	43	1044	0.237	ug/l #	37
76) 1,2,3-Trichloropropane	12.853	75	105707	25.282	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	105707	91.002	ug/l #	12
95) Naphthalene	15.647	128	691	2.236	ug/l #	81

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

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QLast Update : Wed Dec 14 13:03:41 2022
Response via : Initial Calibration

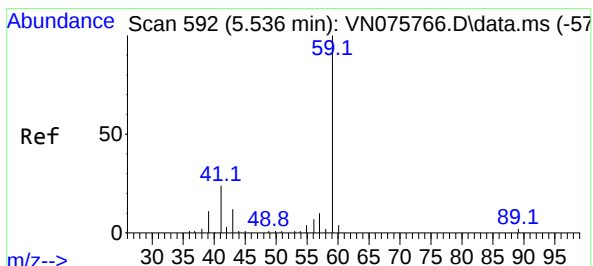
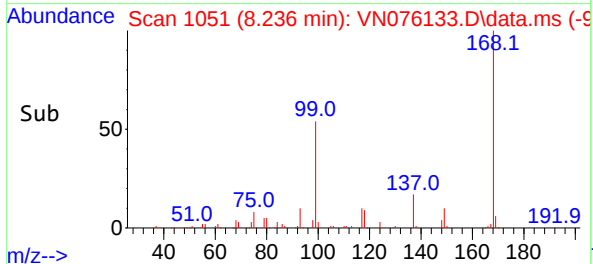
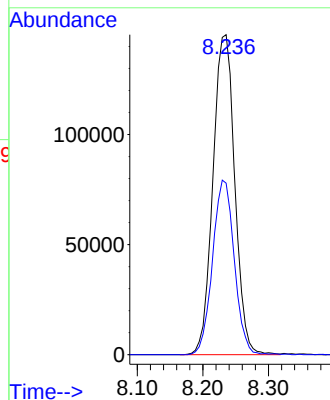
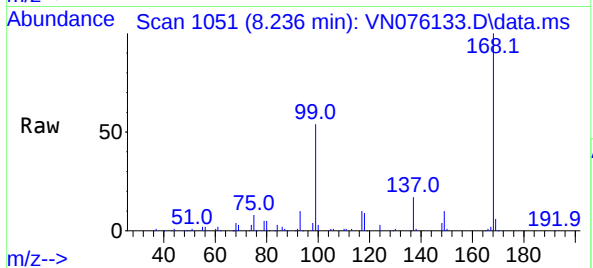




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1050
Delta R.T. 0.006 min
Lab File: VN076133.D
Acq: 06 Jan 2023 15:00

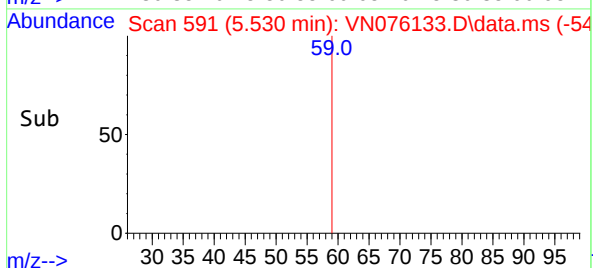
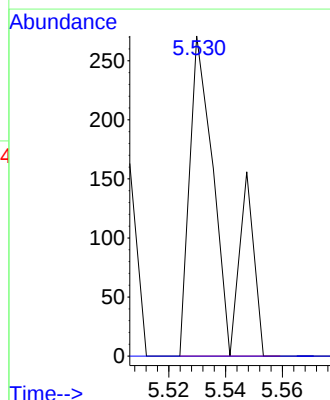
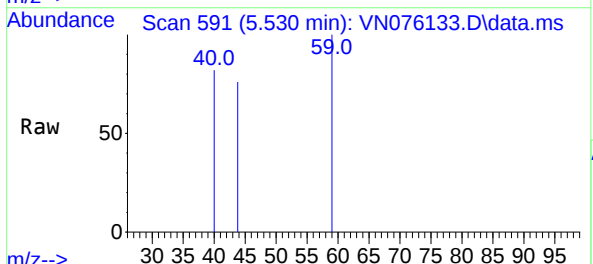
Instrument :
MSVOA_N
ClientSampleId :
TP-5

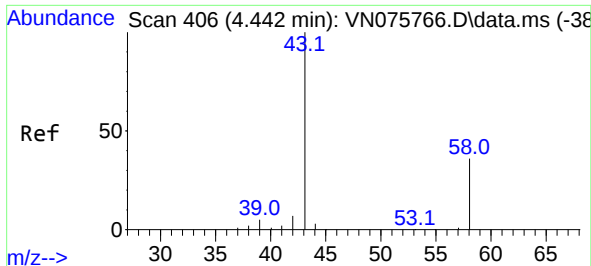
Tgt Ion:168 Resp: 335914
Ion Ratio Lower Upper
168 100
99 53.6 44.2 66.4



#11
Tert butyl alcohol
Concen: 0.400 ug/l
RT: 5.530 min Scan# 591
Delta R.T. -0.006 min
Lab File: VN076133.D
Acq: 06 Jan 2023 15:00

Tgt Ion: 59 Resp: 207
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

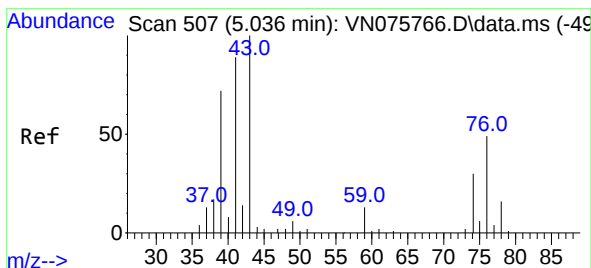
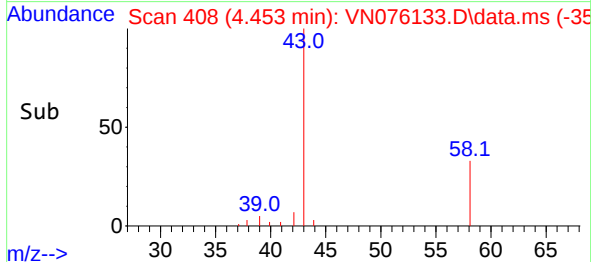
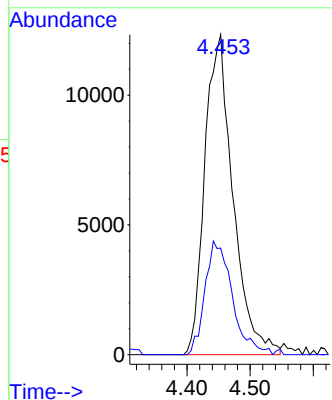
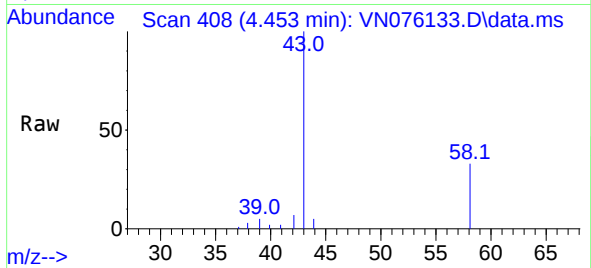




#16
Acetone
Concen: 30.299 ug/l
RT: 4.453 min Scan# 406
Delta R.T. 0.012 min
Lab File: VN076133.D
Acq: 06 Jan 2023 15:00

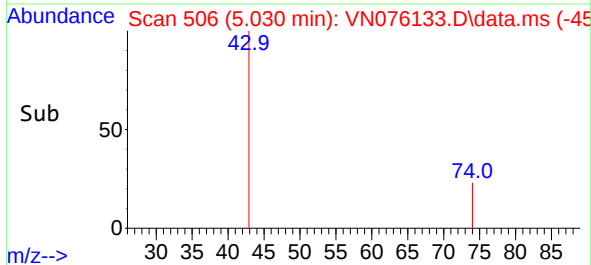
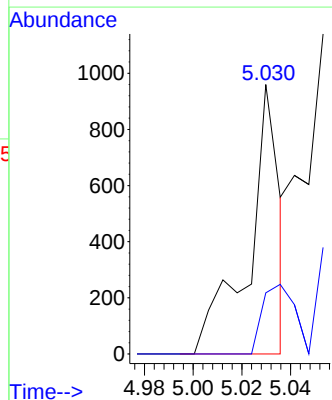
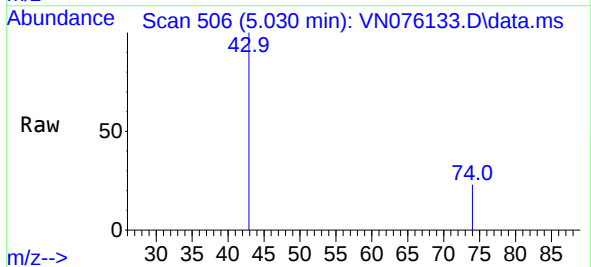
Instrument :
MSVOA_N
ClientSampleId :
TP-5

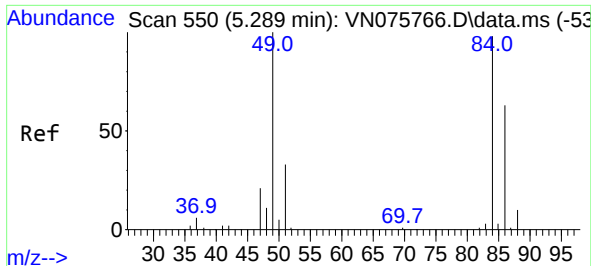
Tgt Ion: 43 Resp: 38169
Ion Ratio Lower Upper
43 100
58 33.3 28.6 43.0



#18
Methyl Acetate
Concen: 0.228 ug/l
RT: 5.030 min Scan# 506
Delta R.T. -0.006 min
Lab File: VN076133.D
Acq: 06 Jan 2023 15:00

Tgt Ion: 43 Resp: 849
Ion Ratio Lower Upper
43 100
74 26.6 23.6 35.4

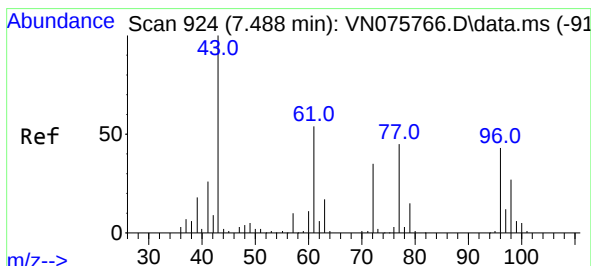
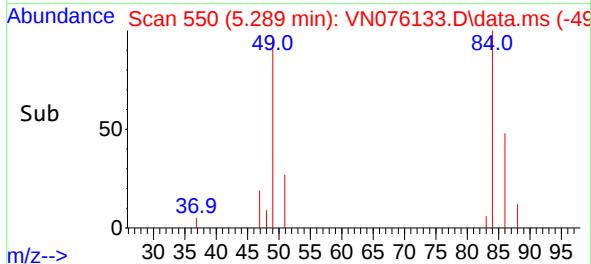
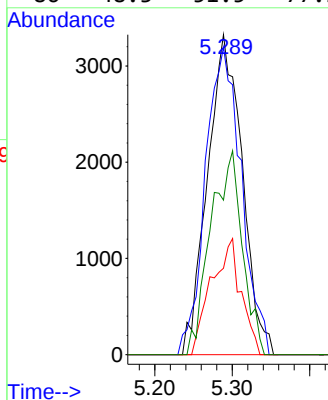
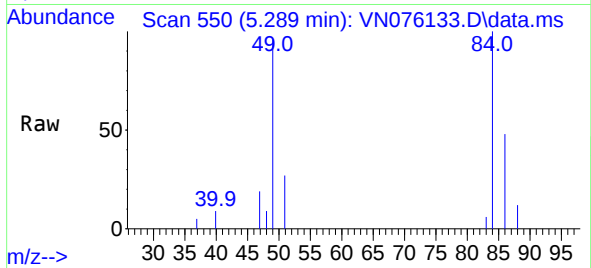




#20
Methylene Chloride
Concen: 2.464 ug/l
RT: 5.289 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN076133.D
Acq: 06 Jan 2023 15:00

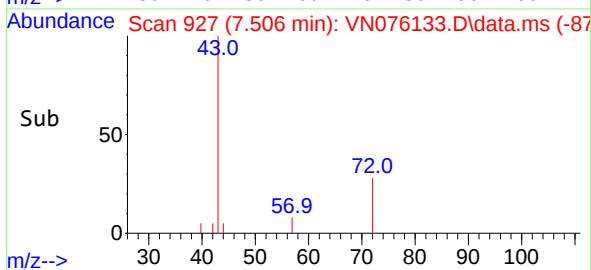
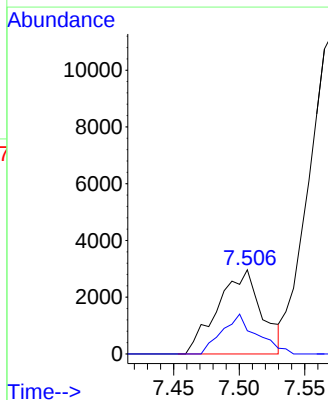
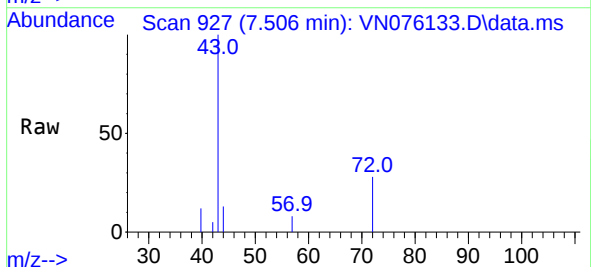
Instrument :
MSVOA_N
ClientSampleId :
TP-5

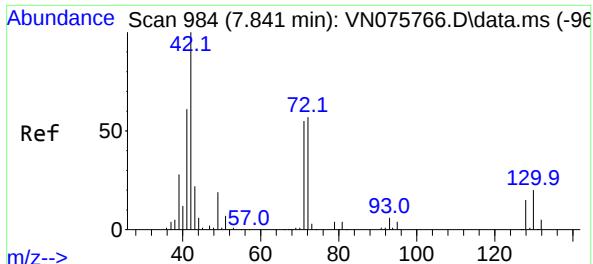
Tgt Ion:	84	Resp:	10354
Ion	Ratio	Lower	Upper
84	100		
49	96.1	81.8	122.6
51	27.0	26.7	40.1
86	48.3	51.5	77.3



#25
2-Butanone
Concen: 3.906 ug/l
RT: 7.506 min Scan# 927
Delta R.T. 0.018 min
Lab File: VN076133.D
Acq: 06 Jan 2023 15:00

Tgt Ion:	43	Resp:	6890
Ion	Ratio	Lower	Upper
43	100		
72	27.6	28.0	42.0

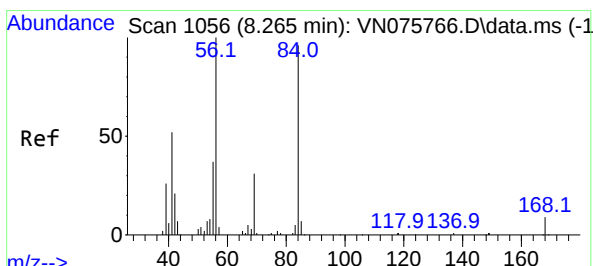
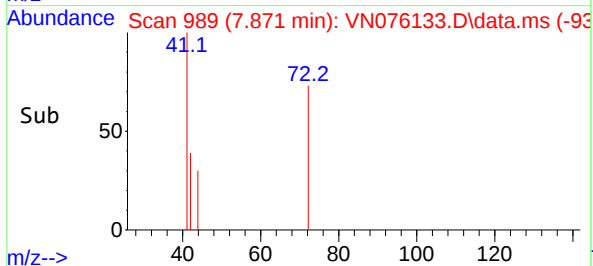
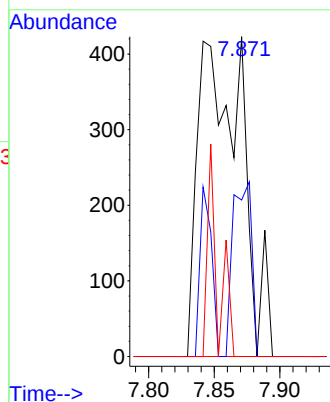
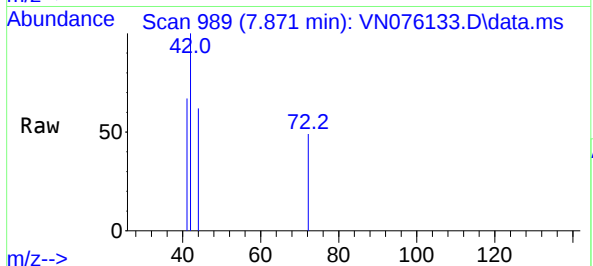




#29
Tetrahydrofuran
Concen: 0.873 ug/l
RT: 7.871 min Scan# 91
Delta R.T. 0.029 min
Lab File: VN076133.D
Acq: 06 Jan 2023 15:00

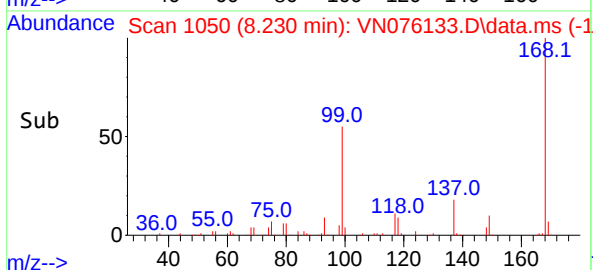
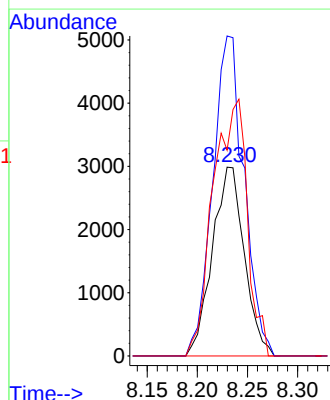
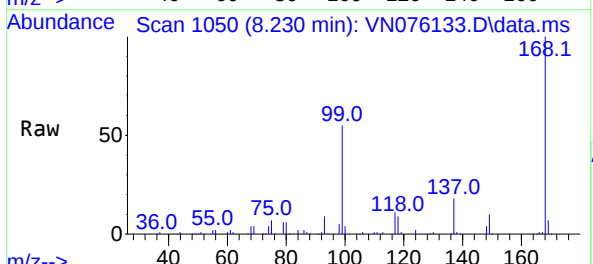
Instrument :
MSVOA_N
ClientSampleId :
TP-5

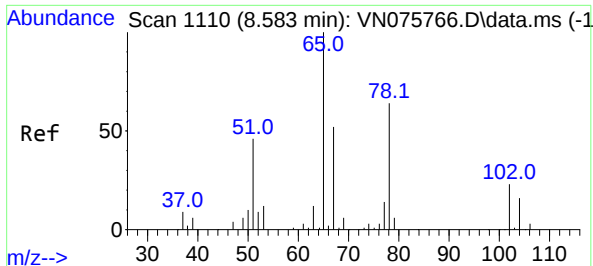
Tgt Ion: 42 Resp: 965
Ion Ratio Lower Upper
42 100
72 23.8 44.5 66.7#
71 0.0 41.0 61.6#



#31
Cyclohexane
Concen: 1.263 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.035 min
Lab File: VN076133.D
Acq: 06 Jan 2023 15:00

Tgt Ion: 56 Resp: 6609
Ion Ratio Lower Upper
56 100
69 169.5 24.7 37.1#
84 109.0 76.5 114.7





#33

1,2-Dichloroethane-d4

Concen: 49.945 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. 0.000 min

Lab File: VN076133.D

Acq: 06 Jan 2023 15:00

Instrument :

MSVOA_N

ClientSampleId :

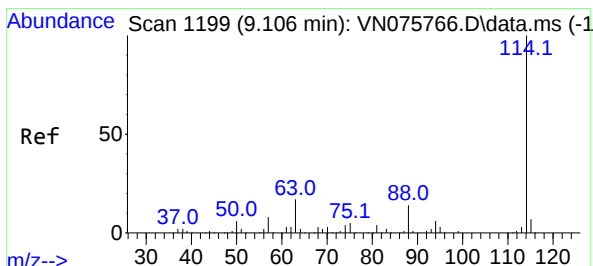
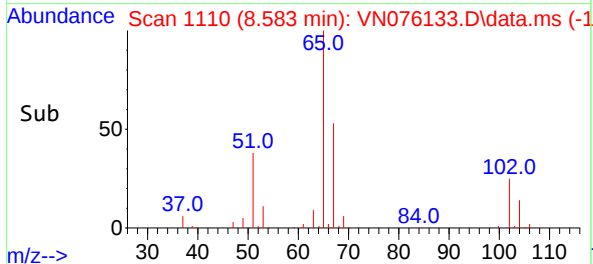
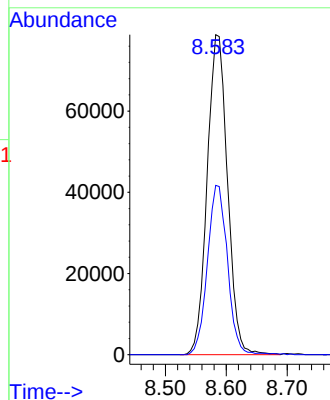
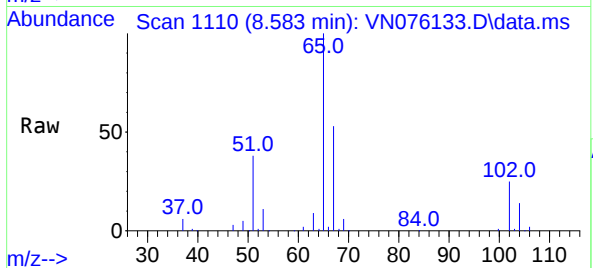
TP-5

Tgt Ion: 65 Resp: 182519

Ion Ratio Lower Upper

65 100

67 52.3 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: VN076133.D

Acq: 06 Jan 2023 15:00

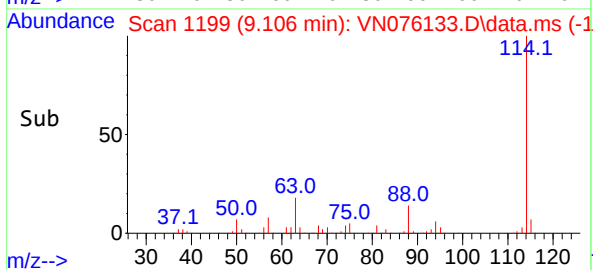
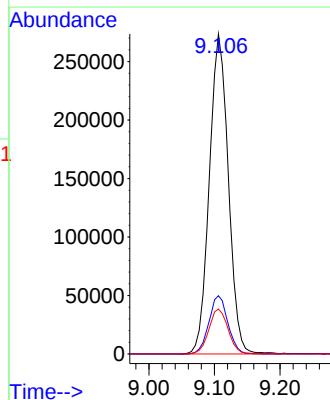
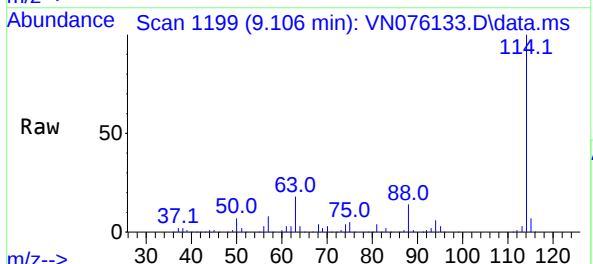
Tgt Ion: 114 Resp: 551500

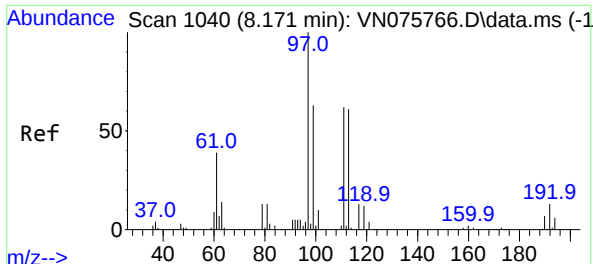
Ion Ratio Lower Upper

114 100

63 18.2 0.0 34.4

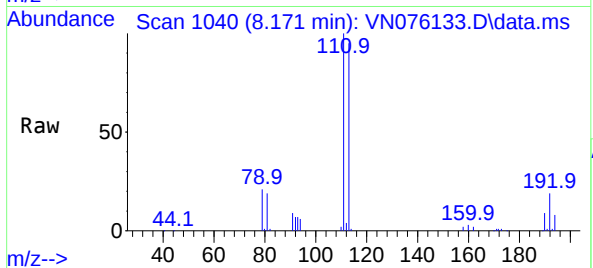
88 14.1 0.0 28.8



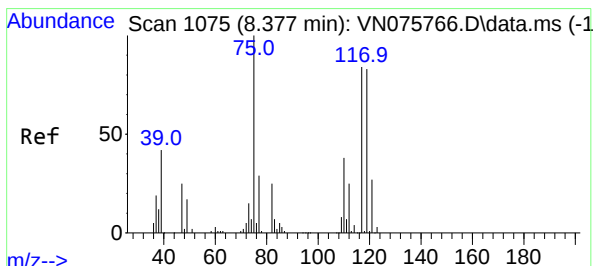
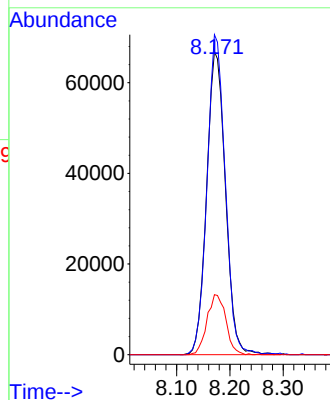
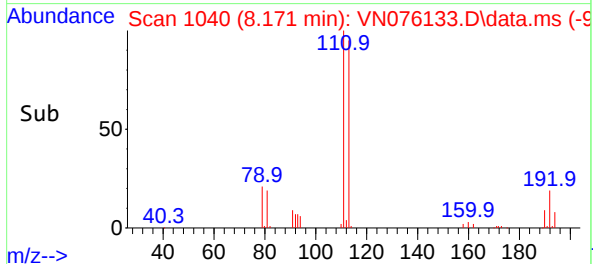


#35
Dibromofluoromethane
Concen: 47.986 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VN076133.D
Acq: 06 Jan 2023 15:00

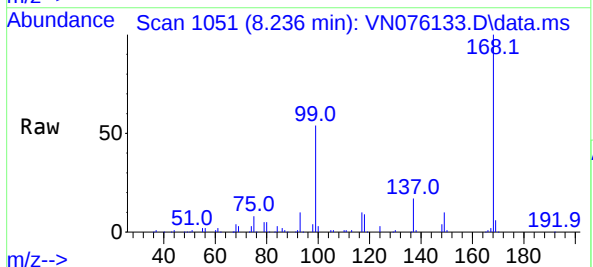
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TP-5



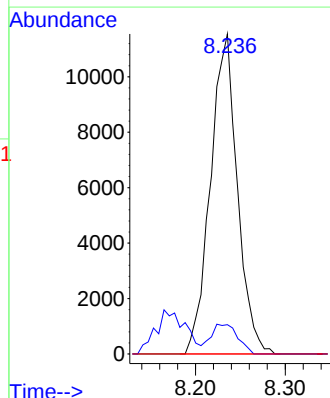
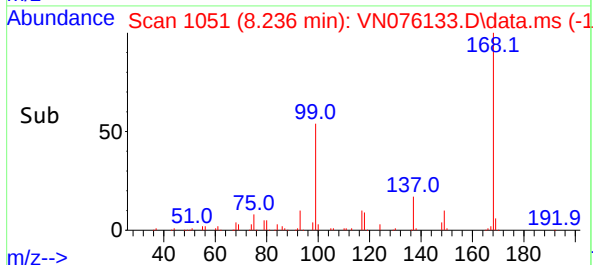
Tgt Ion:113 Resp: 163890
Ion Ratio Lower Upper
113 100
111 102.0 83.4 125.2
192 19.8 16.1 24.1

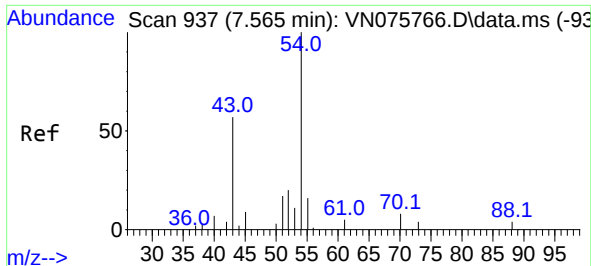


#36
1,1-Dichloropropene
Concen: 5.306 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.141 min
Lab File: VN076133.D
Acq: 06 Jan 2023 15:00



Tgt Ion: 75 Resp: 24071
Ion Ratio Lower Upper
75 100
110 9.3 18.8 56.4#
77 0.0 24.1 36.1#

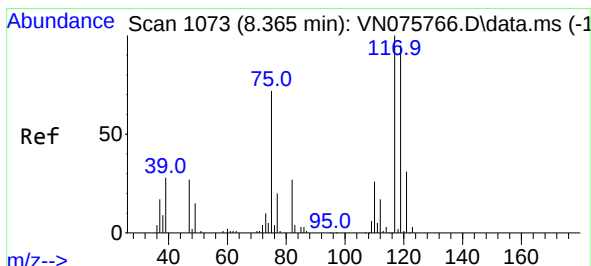
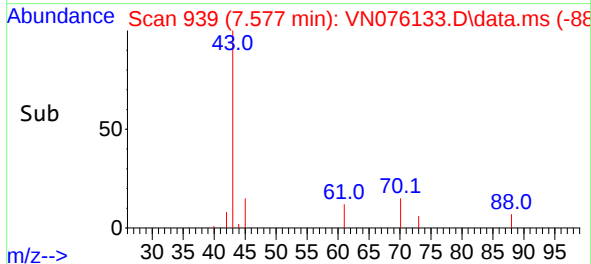
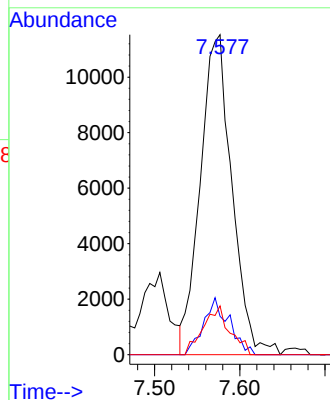
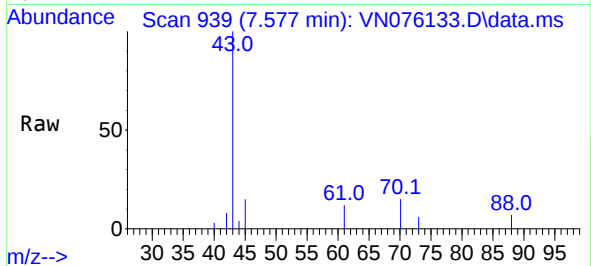




#37
Ethyl Acetate
Concen: 8.163 ug/l
RT: 7.577 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN076133.D
Acq: 06 Jan 2023 15:00

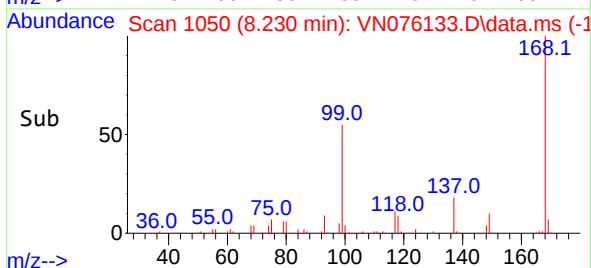
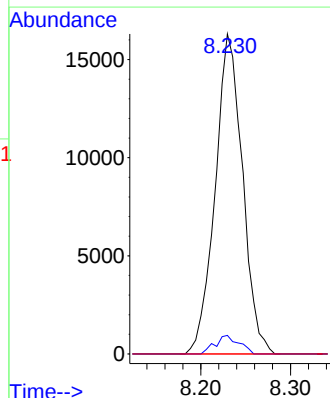
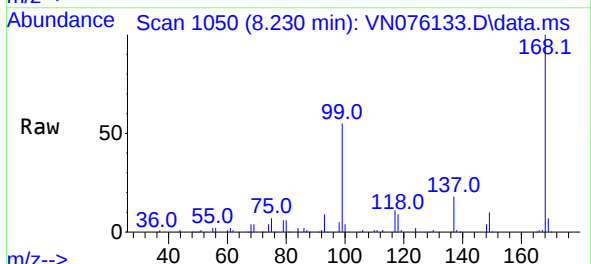
Instrument :
MSVOA_N
ClientSampleId :
TP-5

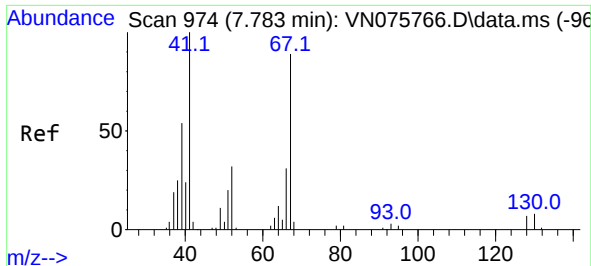
Tgt Ion:	43	Resp:	29747
Ion	Ratio	Lower	Upper
43	100		
61	14.4	13.0	19.4
70	12.8	9.4	14.0



#38
Carbon Tetrachloride
Concen: 6.797 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN076133.D
Acq: 06 Jan 2023 15:00

Tgt Ion:	117	Resp:	34512
Ion	Ratio	Lower	Upper
117	100		
119	5.8	76.1	114.1#
121	0.0	24.5	36.7#

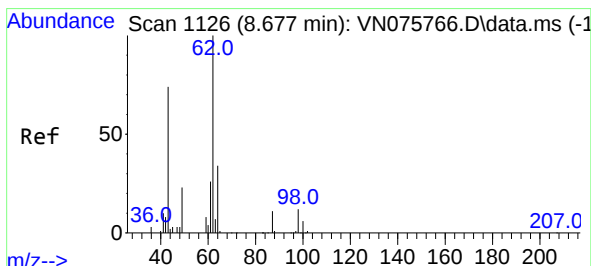
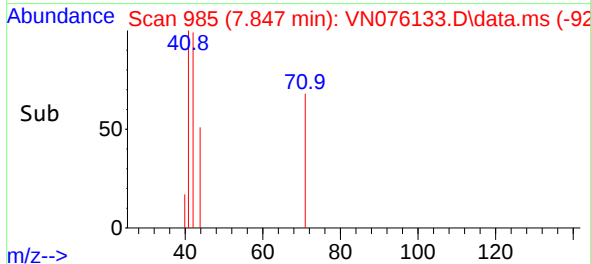
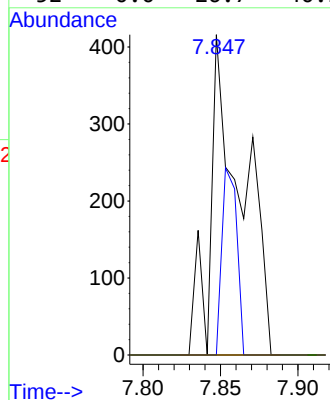
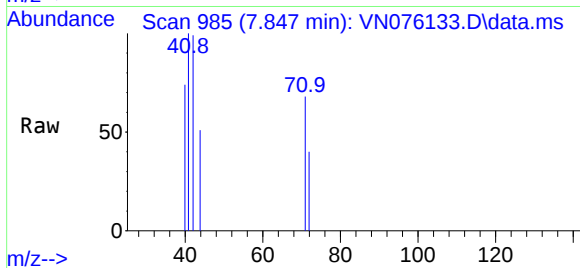




#41
Methacrylonitrile
Concen: 0.311 ug/l
RT: 7.847 min Scan# 91
Delta R.T. 0.065 min
Lab File: VN076133.D
Acq: 06 Jan 2023 15:00

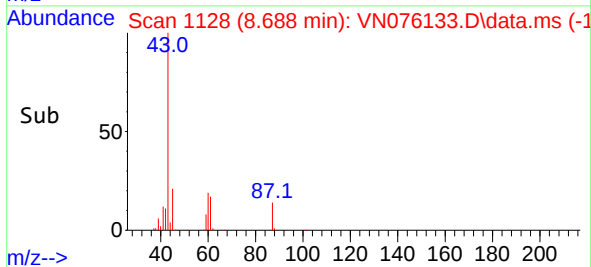
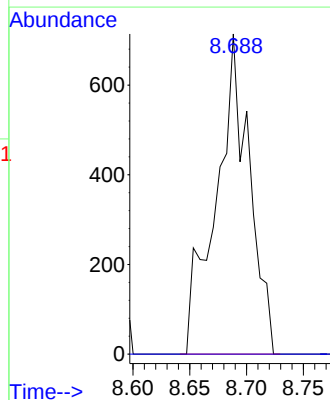
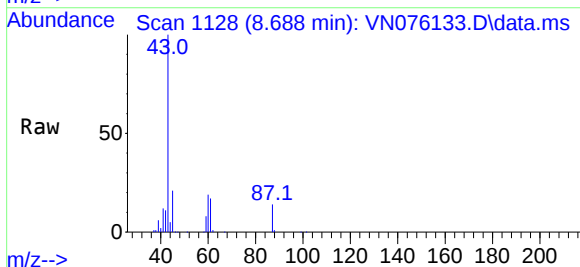
Instrument :
MSVOA_N
ClientSampleId :
TP-5

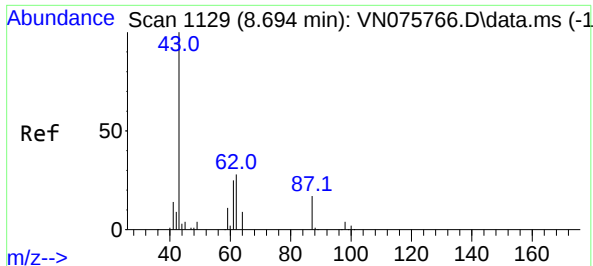
Tgt Ion: 41	Resp: 590		
Ion	Ratio	Lower	Upper
41	100		
39	27.5	43.1	64.7#
67	0.0	70.7	106.1#
52	0.0	26.7	40.1#



#42
1,2-Dichloroethane
Concen: 0.313 ug/l
RT: 8.688 min Scan# 1128
Delta R.T. 0.012 min
Lab File: VN076133.D
Acq: 06 Jan 2023 15:00

Tgt Ion: 62	Resp: 1458
Ion Ratio	Lower Upper
62 100	
98 0.0	0.0 20.8

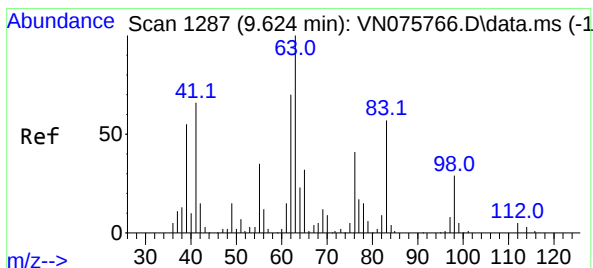
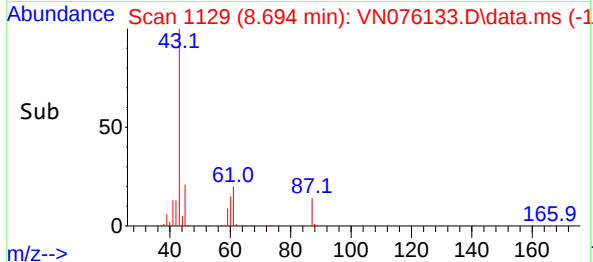
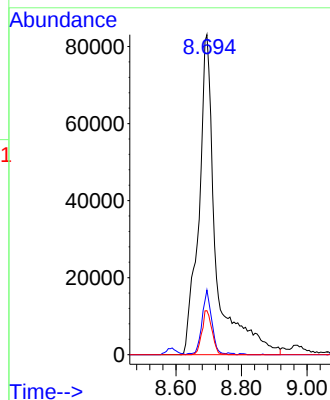
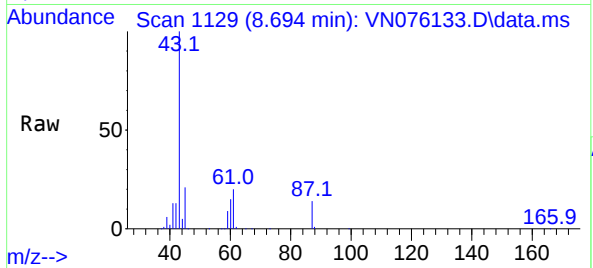




#43
Isopropyl Acetate
Concen: 50.674 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN076133.D
Acq: 06 Jan 2023 15:00

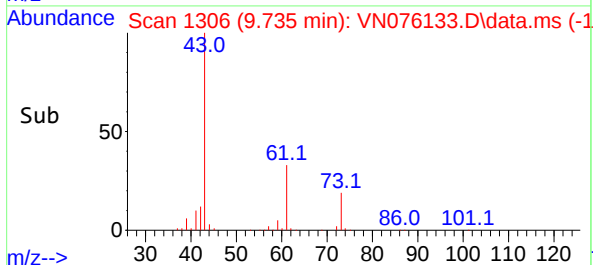
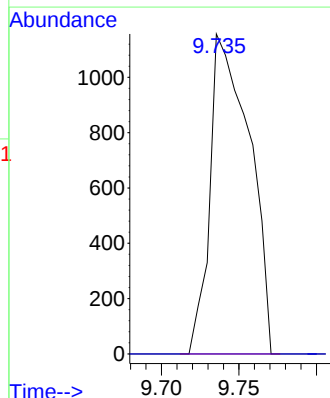
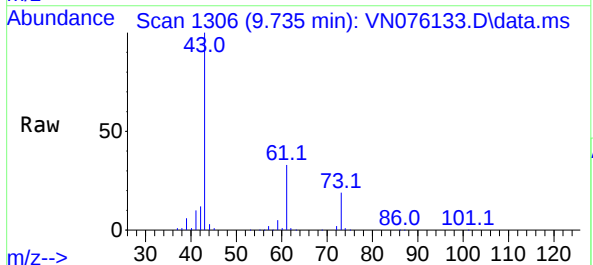
Instrument :
MSVOA_N
ClientSampleId :
TP-5

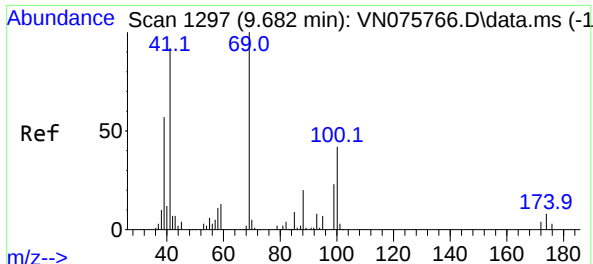
Tgt Ion: 43 Resp: 304630
Ion Ratio Lower Upper
43 100
61 11.3 24.2 36.4#
87 8.0 13.3 19.9#



#45
1,2-Dichloropropane
Concen: 0.601 ug/l
RT: 9.735 min Scan# 1306
Delta R.T. 0.112 min
Lab File: VN076133.D
Acq: 06 Jan 2023 15:00

Tgt Ion: 63 Resp: 2046
Ion Ratio Lower Upper
63 100
65 0.0 25.7 38.5#

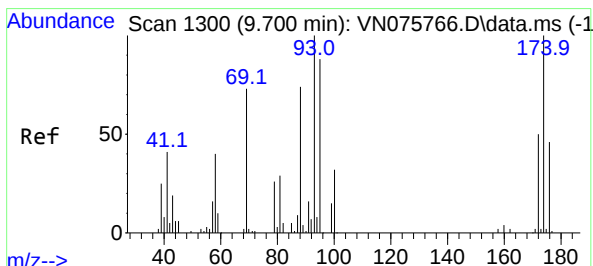
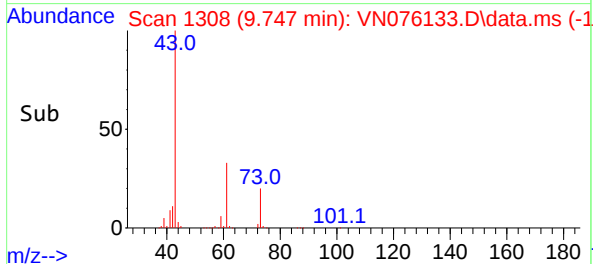
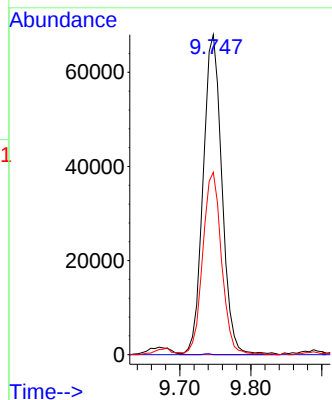
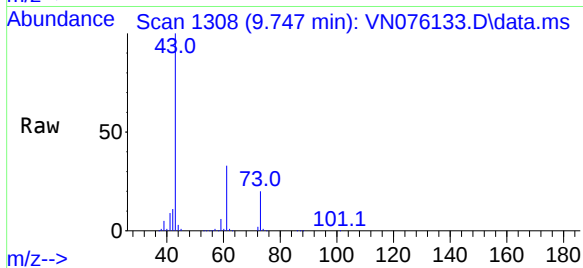




#48
Methyl methacrylate
Concen: 46.391 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.065 min
Lab File: VN076133.D
Acq: 06 Jan 2023 15:00

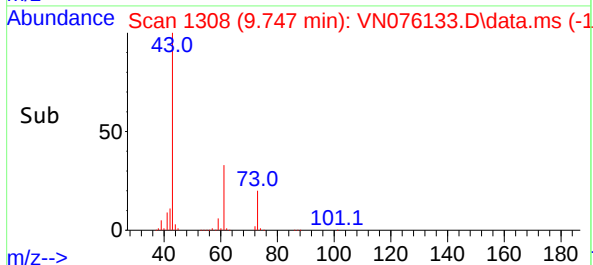
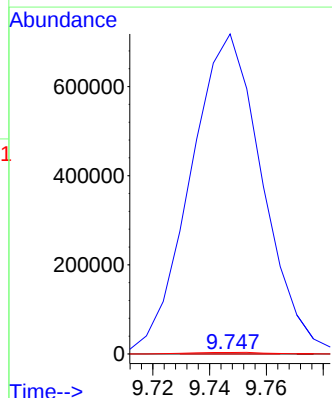
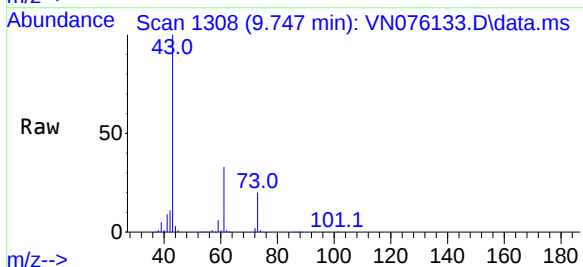
Instrument :
MSVOA_N
ClientSampleId :
TP-5

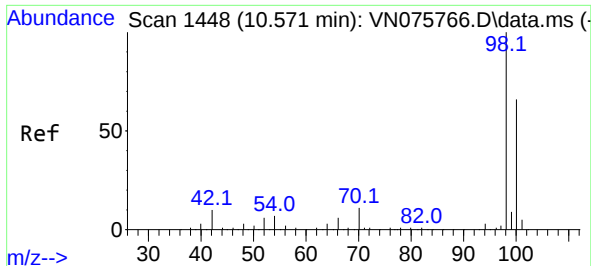
Tgt Ion: 41 Resp: 125607
Ion Ratio Lower Upper
41 100
69 0.1 81.9 122.9#
39 57.0 51.6 77.4



#49
1,4-Dioxane
Concen: 3.140 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.047 min
Lab File: VN076133.D
Acq: 06 Jan 2023 15:00

Tgt Ion: 88 Resp: 209
Ion Ratio Lower Upper
88 100
43 612020.6 17.1 25.7#
58 3123.4 47.8 71.8#

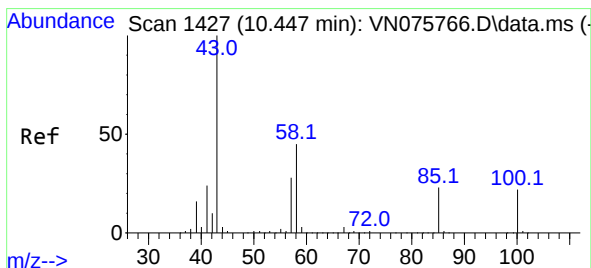
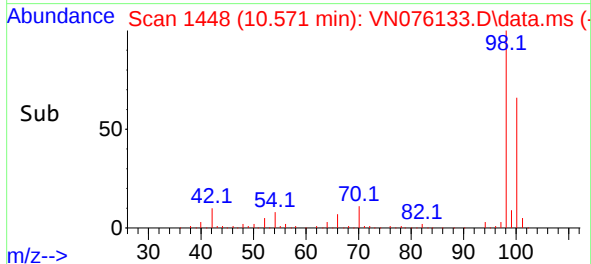
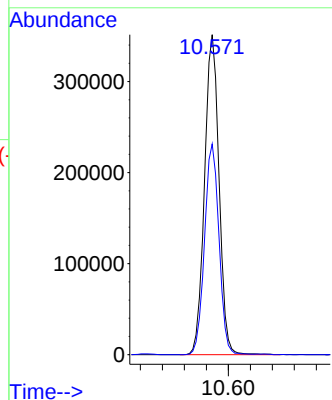
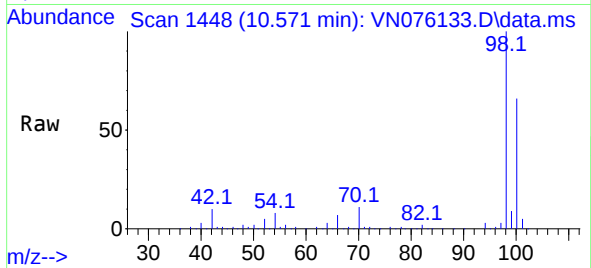




#50
Toluene-d8
Concen: 50.327 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN076133.D
Acq: 06 Jan 2023 15:00

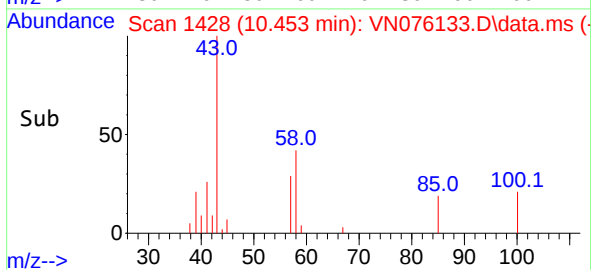
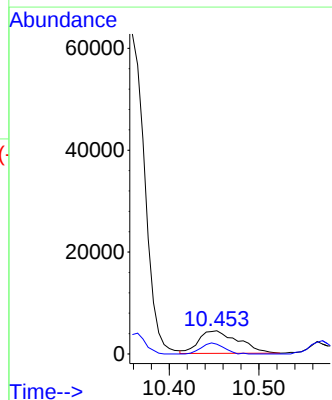
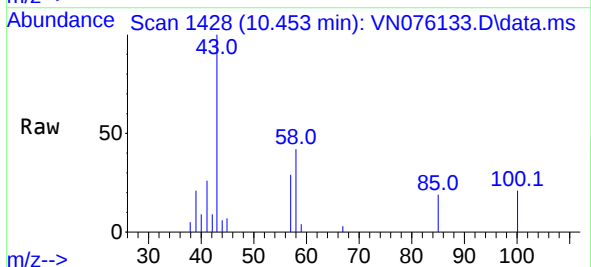
Instrument :
MSVOA_N
ClientSampleId :
TP-5

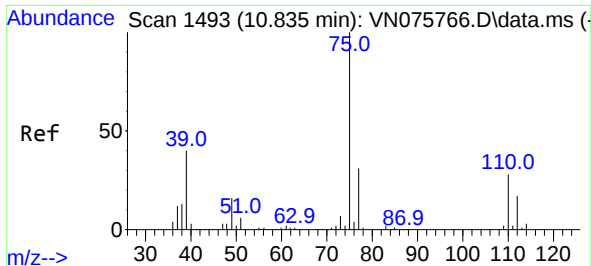
Tgt Ion: 98 Resp: 642664
Ion Ratio Lower Upper
98 100
100 65.8 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 3.752 ug/l
RT: 10.453 min Scan# 1428
Delta R.T. 0.006 min
Lab File: VN076133.D
Acq: 06 Jan 2023 15:00

Tgt Ion: 43 Resp: 13642
Ion Ratio Lower Upper
43 100
58 27.6 35.5 53.3#

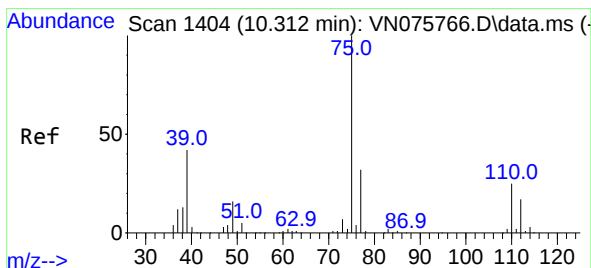
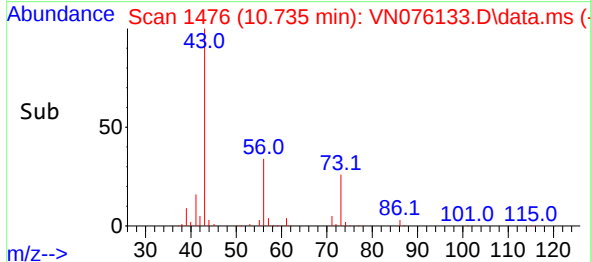
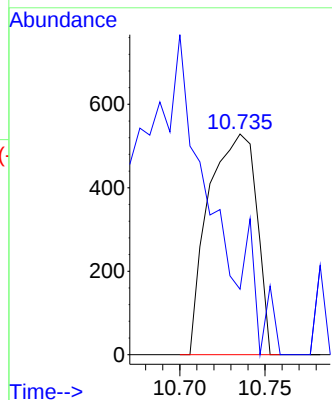
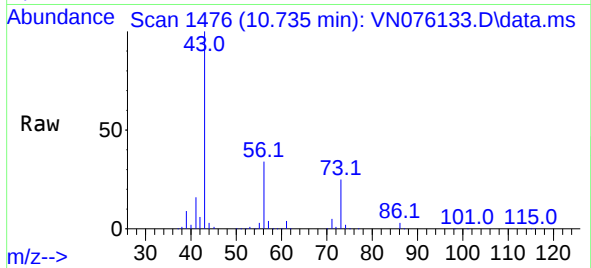




#53
t-1,3-Dichloropropene
Concen: 0.213 ug/l
RT: 10.735 min Scan# 1412
Delta R.T. -0.100 min
Lab File: VN076133.D
Acq: 06 Jan 2023 15:00

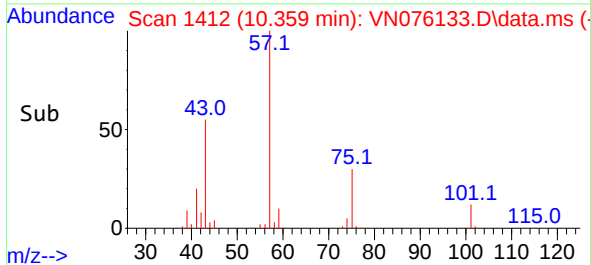
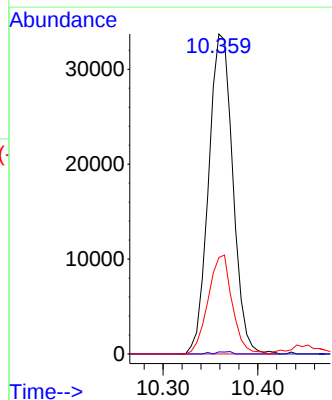
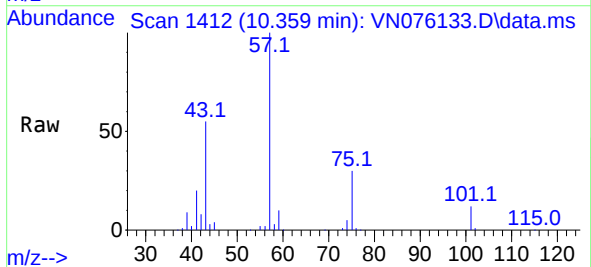
Instrument :
MSVOA_N
ClientSampleId :
TP-5

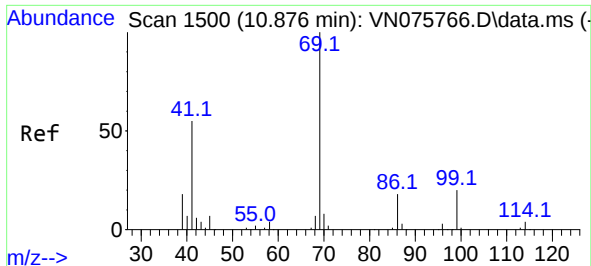
Tgt Ion: 75 Resp: 1033
Ion Ratio Lower Upper
75 100
77 29.7 24.9 37.3



#54
cis-1,3-Dichloropropene
Concen: 11.252 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. 0.047 min
Lab File: VN076133.D
Acq: 06 Jan 2023 15:00

Tgt Ion: 75 Resp: 59917
Ion Ratio Lower Upper
75 100
77 0.6 25.8 38.8#
39 30.2 33.4 50.2#

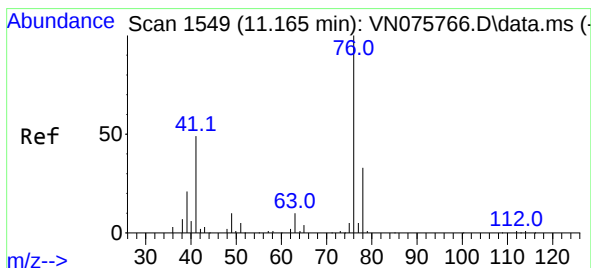
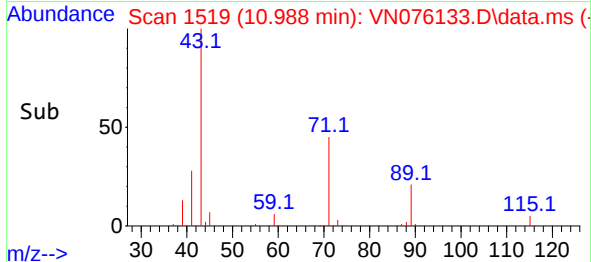
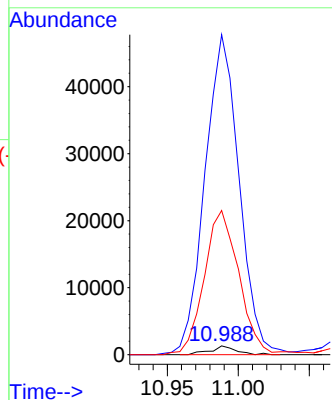
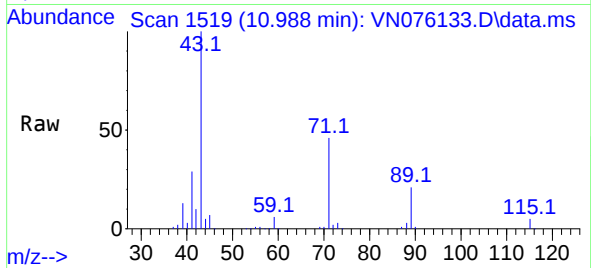




#56
Ethyl methacrylate
Concen: 0.348 ug/l
RT: 10.988 min Scan# 1519
Delta R.T. 0.112 min
Lab File: VN076133.D
Acq: 06 Jan 2023 15:00

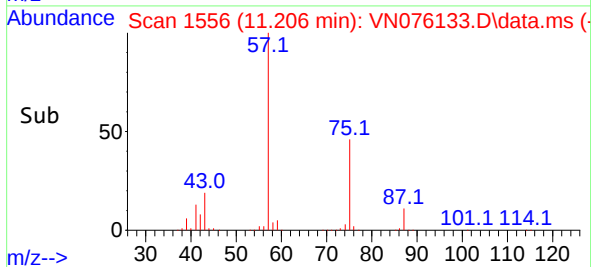
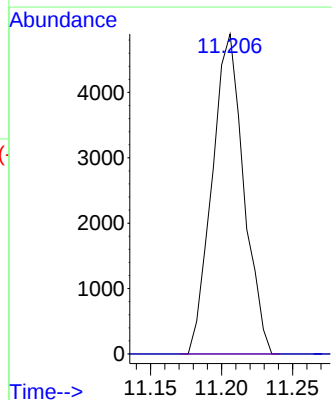
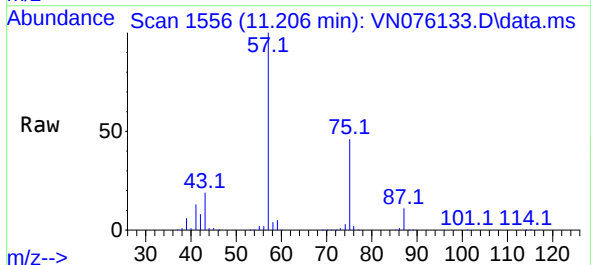
Instrument :
MSVOA_N
ClientSampleId :
TP-5

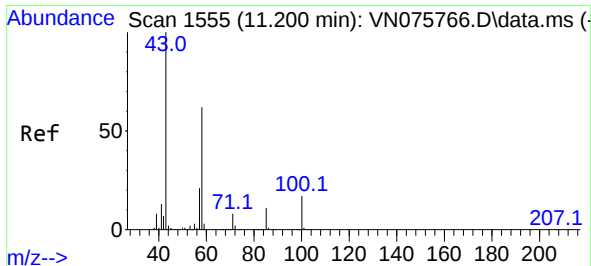
Tgt Ion: 69 Resp: 1654
Ion Ratio Lower Upper
69 100
41 4846.7 44.2 66.4#
39 2232.4 26.4 39.6#



#57
1,3-Dichloropropane
Concen: 1.291 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN076133.D
Acq: 06 Jan 2023 15:00

Tgt Ion: 76 Resp: 7578
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

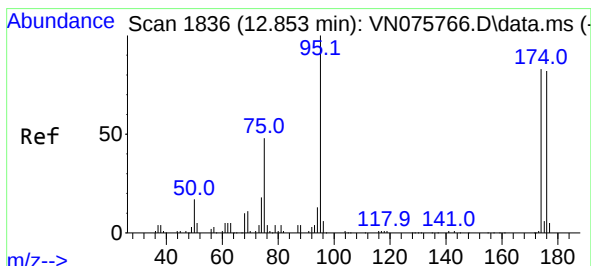
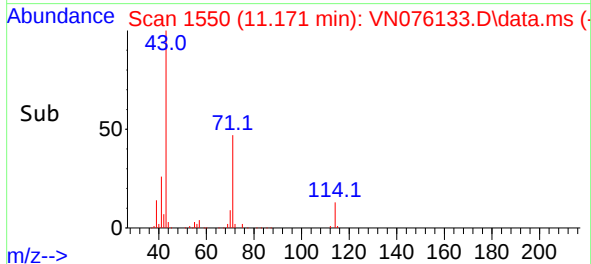
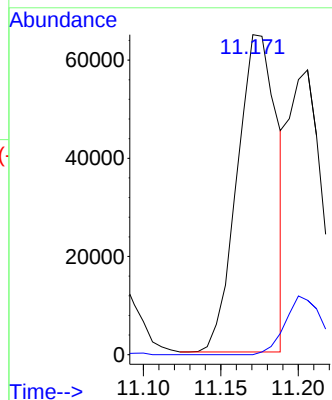
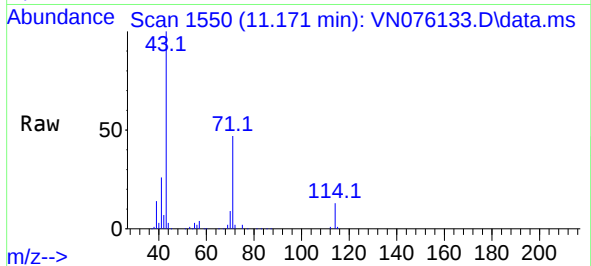




#59
2-Hexanone
Concen: 43.636 ug/l
RT: 11.171 min Scan# 115690
Delta R.T. -0.029 min
Lab File: VN076133.D
Acq: 06 Jan 2023 15:00

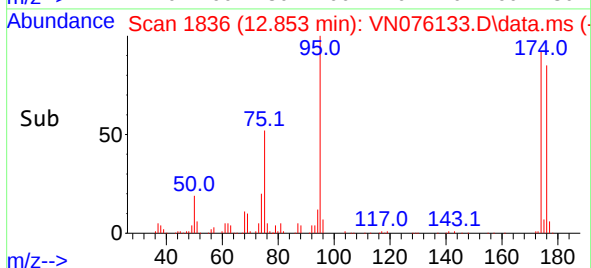
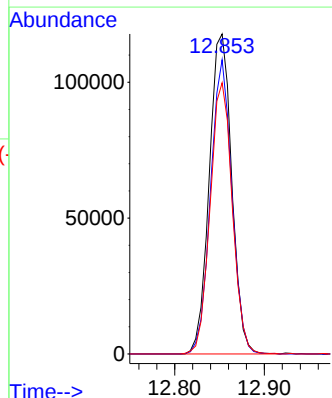
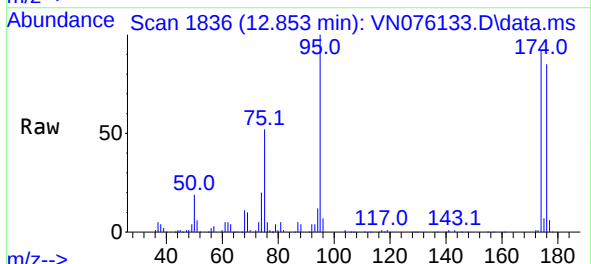
Instrument :
MSVOA_N
ClientSampleId :
TP-5

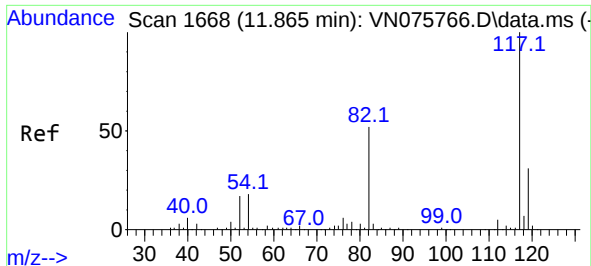
Tgt Ion: 43 Resp: 115690
Ion Ratio Lower Upper
43 100
58 0.0 30.6 92.0#



#62
4-Bromofluorobenzene
Concen: 48.337 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN076133.D
Acq: 06 Jan 2023 15:00

Tgt Ion: 95 Resp: 204439
Ion Ratio Lower Upper
95 100
174 87.5 0.0 171.6
176 83.5 0.0 169.2

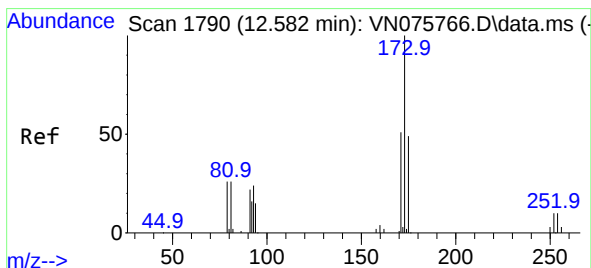
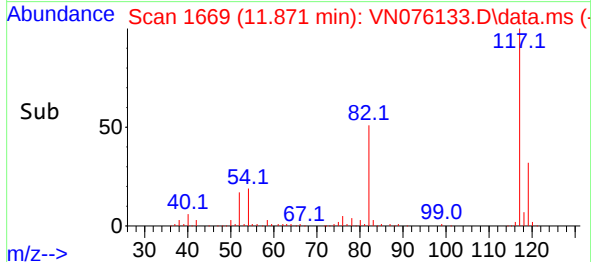
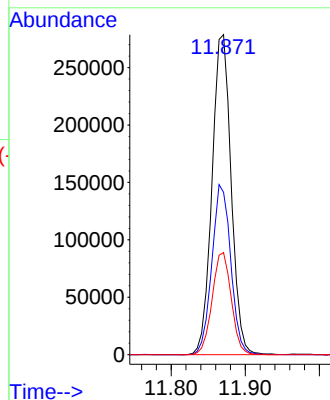
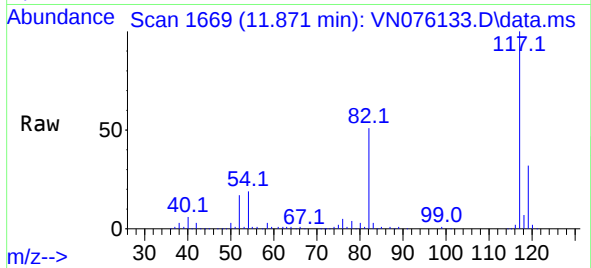




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN076133.D
Acq: 06 Jan 2023 15:00

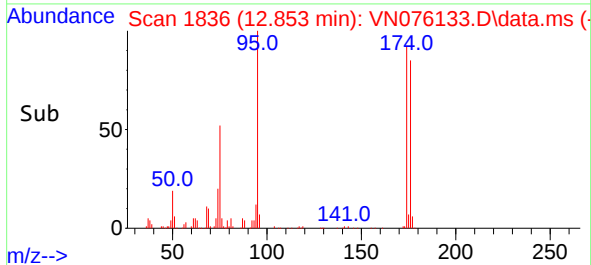
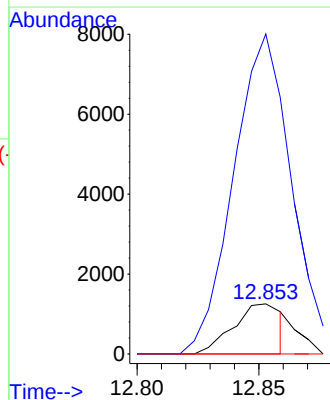
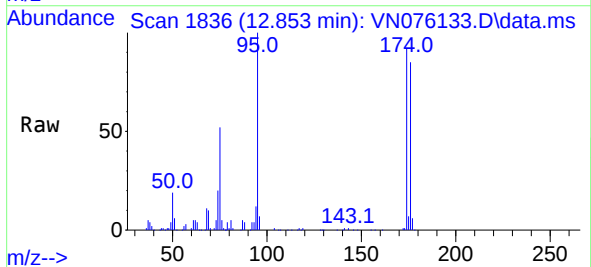
Instrument :
MSVOA_N
ClientSampleId :
TP-5

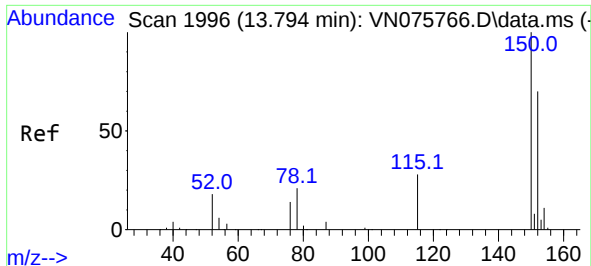
Tgt Ion:117 Resp: 499588
Ion Ratio Lower Upper
117 100
82 50.8 41.3 61.9
119 31.9 24.6 37.0



#71
Bromoform
Concen: 0.626 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN076133.D
Acq: 06 Jan 2023 15:00

Tgt Ion:173 Resp: 1730
Ion Ratio Lower Upper
173 100
175 629.2 24.3 72.8#
254 0.0 0.0 0.0

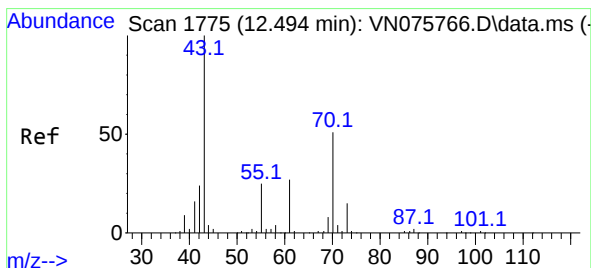
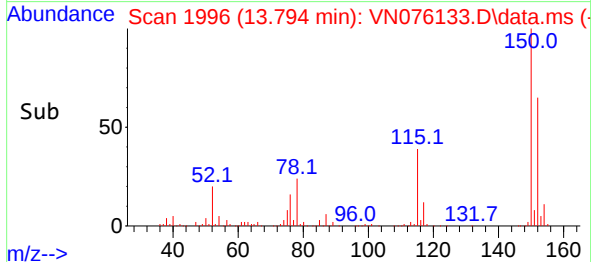
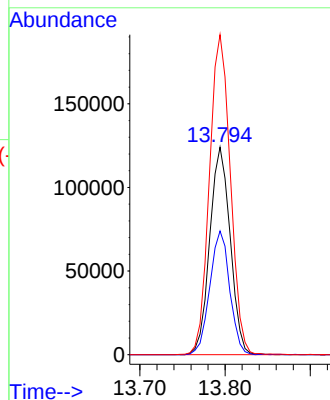
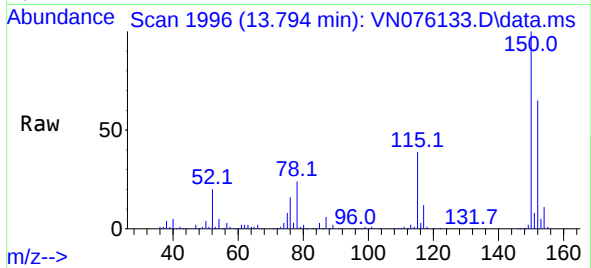




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN076133.D
Acq: 06 Jan 2023 15:00

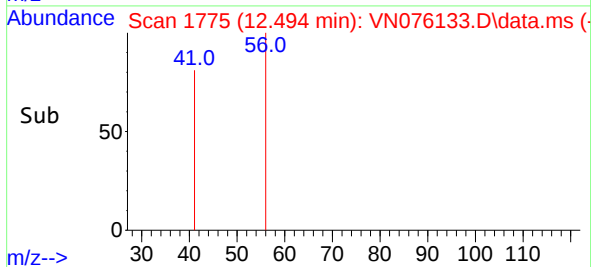
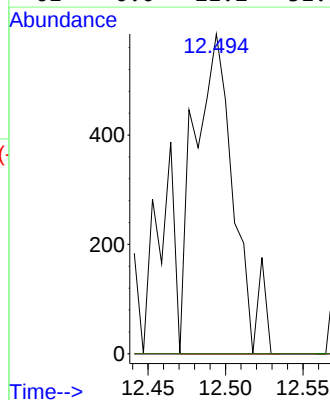
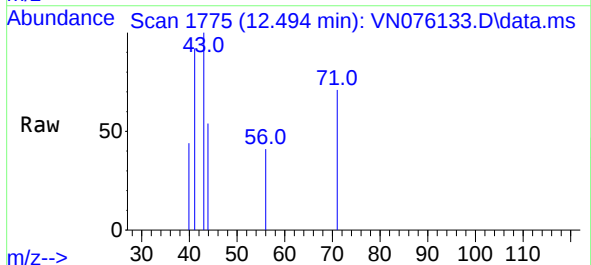
Instrument :
MSVOA_N
ClientSampleId :
TP-5

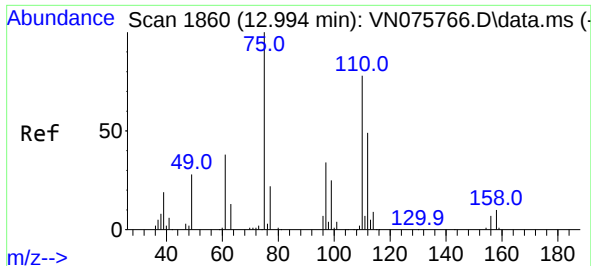
Tgt Ion:152 Resp: 207422
Ion Ratio Lower Upper
152 100
115 58.0 29.1 87.4
150 157.5 0.0 347.0



#74
N-ethyl acetate
Concen: 0.237 ug/l
RT: 12.494 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN076133.D
Acq: 06 Jan 2023 15:00

Tgt Ion: 43 Resp: 1044
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#

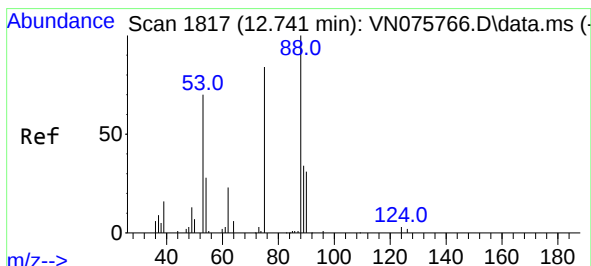
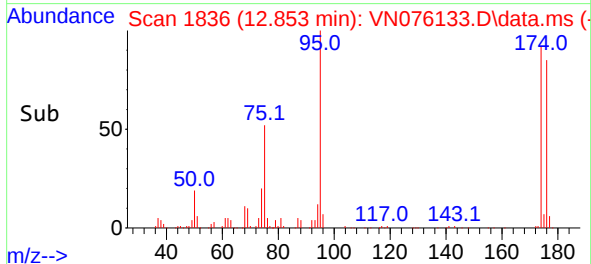
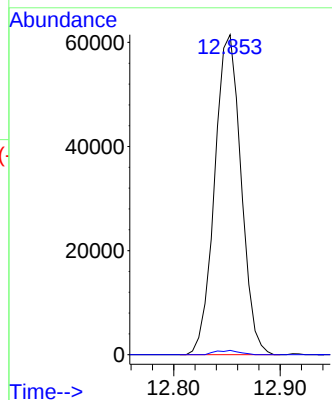
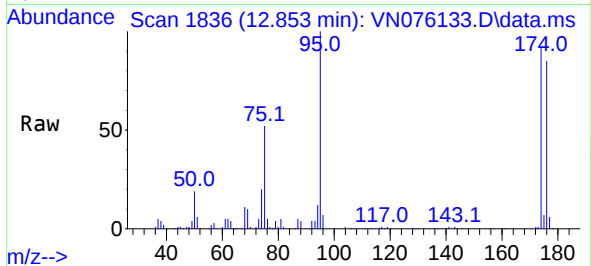




#76
1,2,3-Trichloropropane
Concen: 25.282 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076133.D
Acq: 06 Jan 2023 15:00

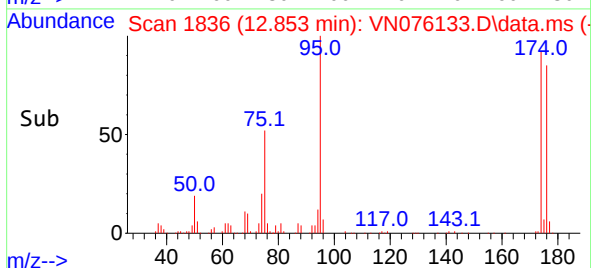
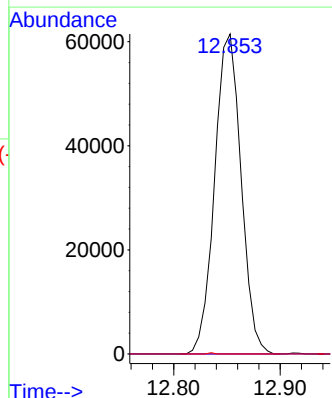
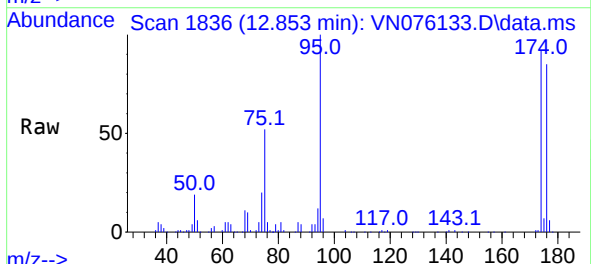
Instrument :
MSVOA_N
ClientSampleId :
TP-5

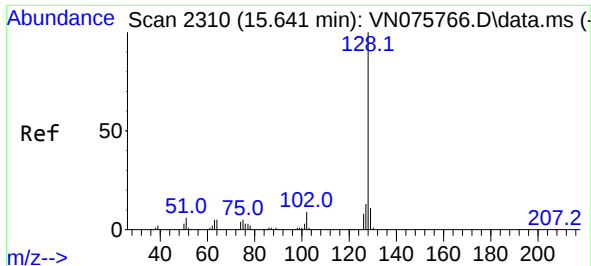
Tgt Ion: 75 Resp: 105707
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.002 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN076133.D
Acq: 06 Jan 2023 15:00

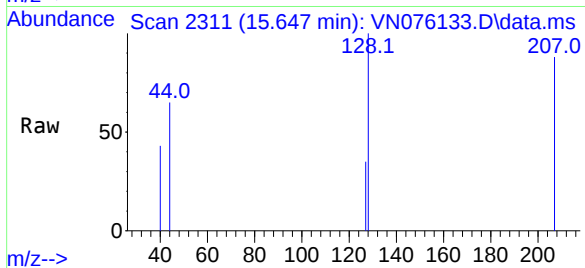
Tgt Ion: 75 Resp: 105707
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.1 39.5 59.3#





#95
Naphthalene
Concen: 2.236 ug/l
RT: 15.647 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN076133.D
Acq: 06 Jan 2023 15:00

Instrument :
MSVOA_N
ClientSampleId :
TP-5



Tgt Ion:128 Resp: 691
Ion Ratio Lower Upper
128 100
127 17.2 10.4 15.6#
129 0.0 8.7 13.1#

