

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052323\
 Data File : VN077842.D
 Acq On : 24 May 2023 05:49
 Operator : JC\MD
 Sample : 02894-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-40A

Quant Time: May 24 06:34:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

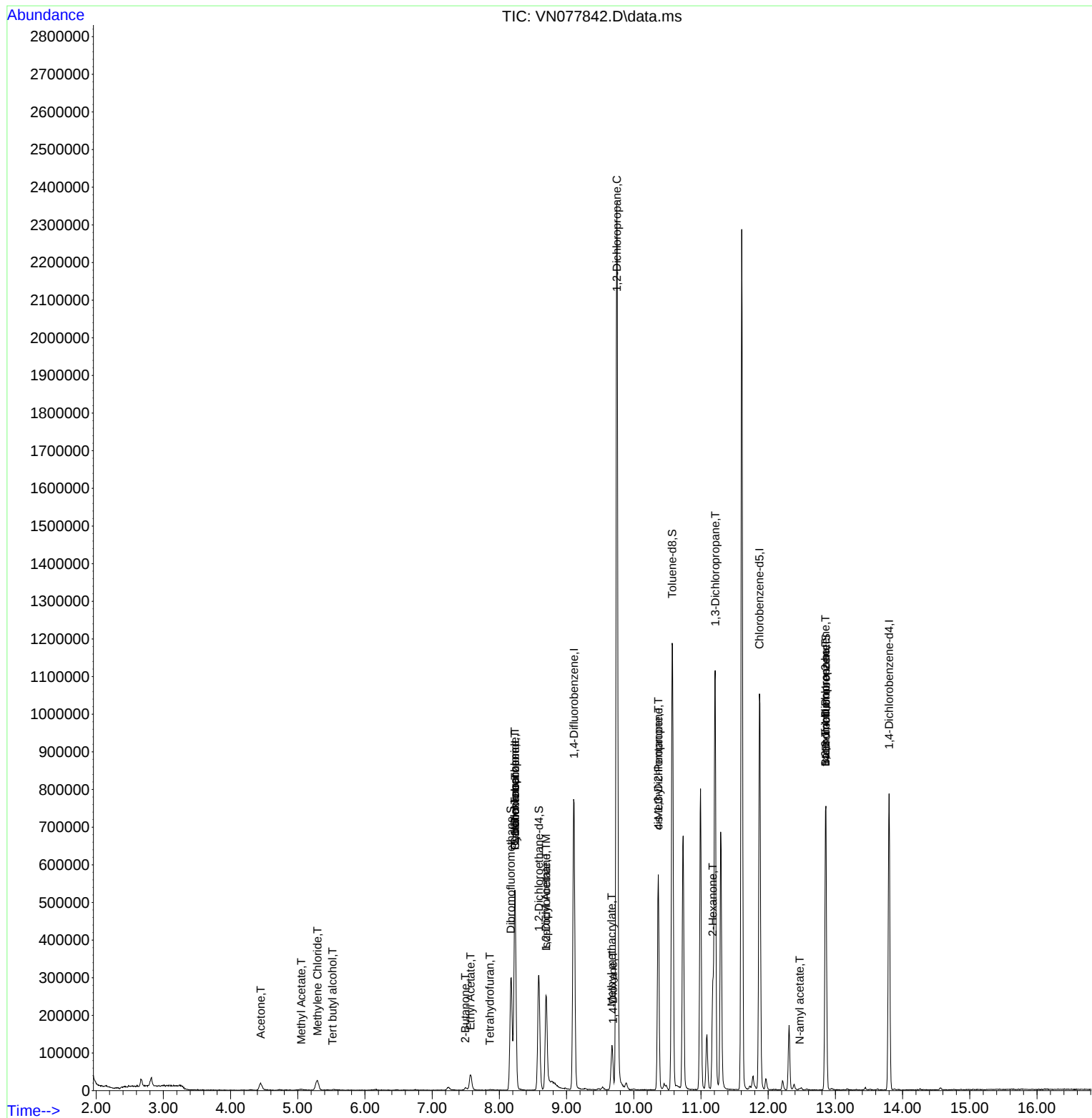
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

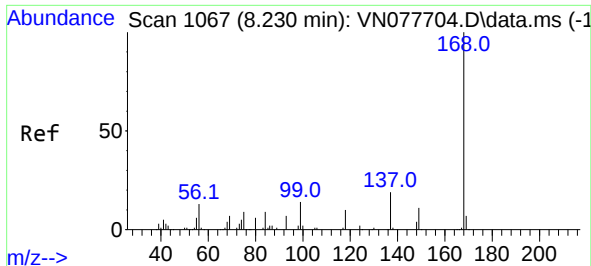
Internal Standards						
1) Pentafluorobenzene	8.235	168	385282	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	697687	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	641277	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	215127	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	257753	44.711	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	89.420%
35) Dibromofluoromethane	8.171	113	219120	48.163	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.320%
50) Toluene-d8	10.571	98	874634	49.946	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.900%
62) 4-Bromofluorobenzene	12.859	95	279497	45.192	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.380%
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	1183	Below Cal	#	65
11) Tert butyl alcohol	5.518	59	608	0.764	ug/l #	72
13) Acrolein	4.200	56	811	Below Cal		84
16) Acetone	4.447	43	37344	20.590	ug/l	98
18) Methyl Acetate	5.053	43	6246	0.821	ug/l #	58
20) Methylene Chloride	5.294	84	21812	2.754	ug/l #	90
25) 2-Butanone	7.494	43	9146	3.224	ug/l #	82
29) Tetrahydrofuran	7.859	42	890	0.479	ug/l #	76
31) Cyclohexane	8.235	56	8388	1.071	ug/l #	16
36) 1,1-Dichloropropene	8.230	75	31877	4.790	ug/l #	48
37) Ethyl Acetate	7.571	43	63366	10.684	ug/l	97
38) Carbon Tetrachloride	8.230	117	42814	6.372	ug/l #	15
42) 1,2-Dichloroethane	8.694	62	1724	0.242	ug/l #	73
43) Isopropyl Acetate	8.694	43	291846	30.125	ug/l #	82
45) 1,2-Dichloropropane	9.747	63	3341	0.667	ug/l #	45
48) Methyl methacrylate	9.671	41	7777	1.693	ug/l #	33
49) 1,4-Dioxane	9.694	88	72	0.830	ug/l #	1
51) 4-Methyl-2-Pentanone	10.365	43	201130	34.927	ug/l #	41
54) cis-1,3-Dichloropropene	10.365	75	105617	13.189	ug/l #	67
57) 1,3-Dichloropropane	11.212	76	11829	1.422	ug/l #	42
59) 2-Hexanone	11.176	43	217218	50.997	ug/l #	19
71) Bromoform	12.853	173	1357	0.424	ug/l #	28
74) N-amyl acetate	12.470	43	4005	0.584	ug/l #	39
76) 1,2,3-Trichloropropane	12.853	75	147510	27.380	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	147510	87.520	ug/l #	15

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

Instrument :
MSVOA_N
ClientSampleId :
TP-40A

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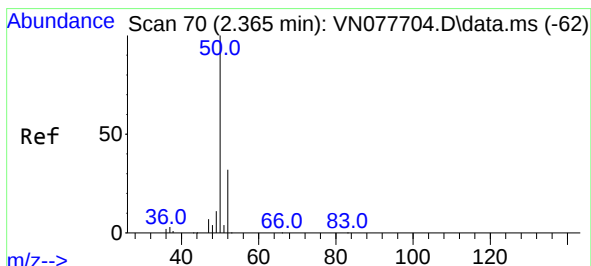
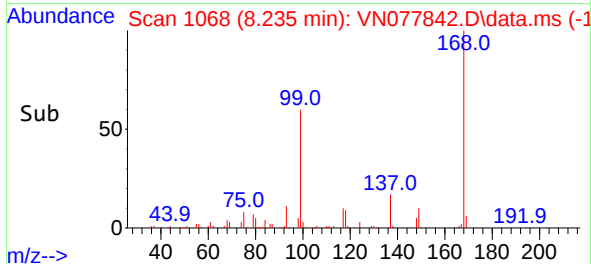
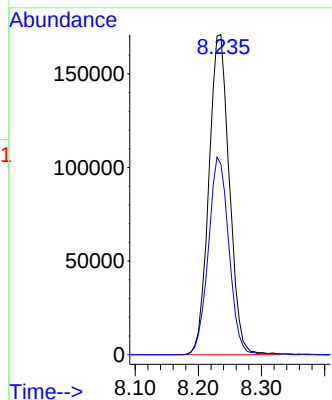
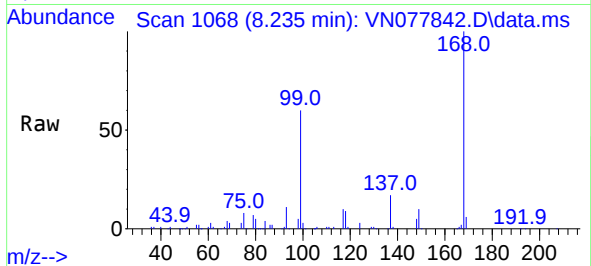




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN077842.D
Acq: 24 May 2023 05:49

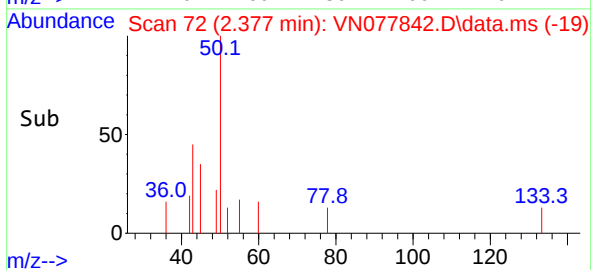
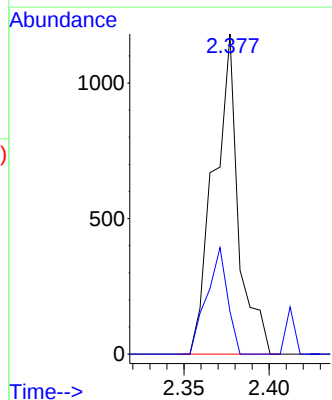
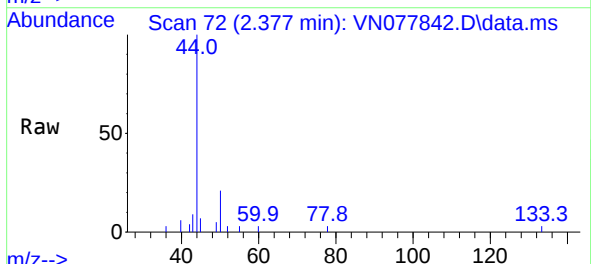
Instrument :
MSVOA_N
ClientSampleId :
TP-40A

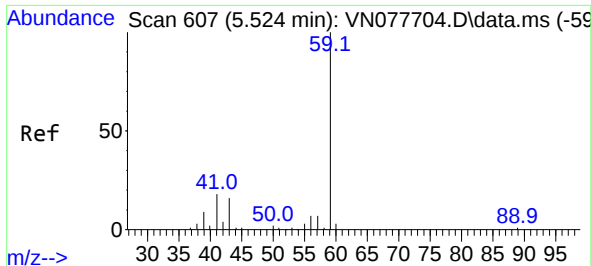
Tgt Ion:168 Resp: 385282
Ion Ratio Lower Upper
168 100
99 59.6 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.377 min Scan# 72
Delta R.T. 0.012 min
Lab File: VN077842.D
Acq: 24 May 2023 05:49

Tgt Ion: 50 Resp: 1183
Ion Ratio Lower Upper
50 100
52 13.3 26.5 39.7#





#11

Tert butyl alcohol

Concen: 0.764 ug/l

RT: 5.518 min Scan# 607

Delta R.T. -0.012 min

Lab File: VN077842.D

Acq: 24 May 2023 05:49

Instrument :

MSVOA_N

ClientSampleId :

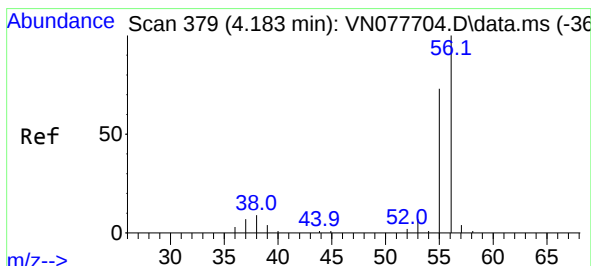
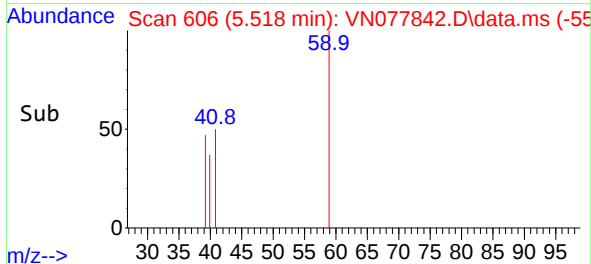
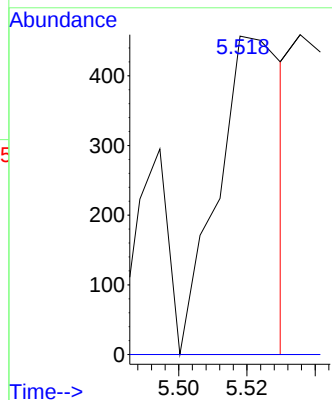
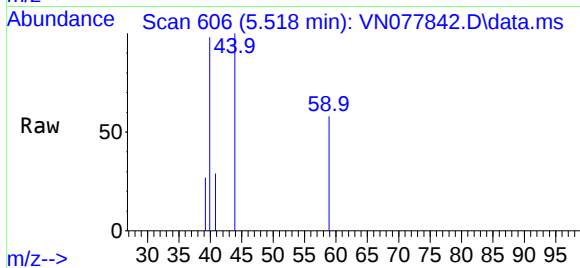
TP-40A

Tgt Ion: 59 Resp: 608

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#13

Acrolein

Concen: Below Cal

RT: 4.200 min Scan# 382

Delta R.T. 0.011 min

Lab File: VN077842.D

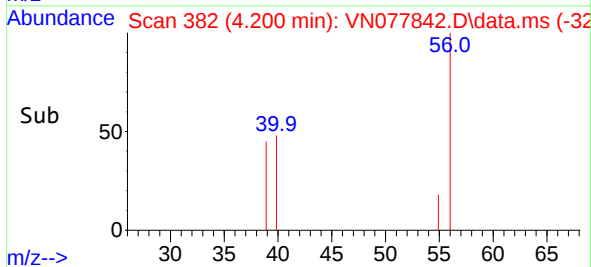
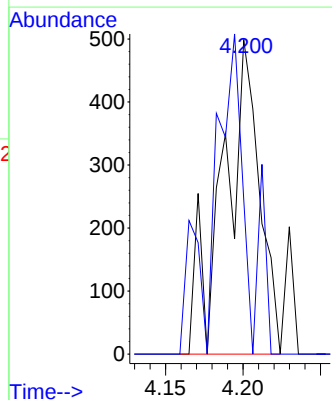
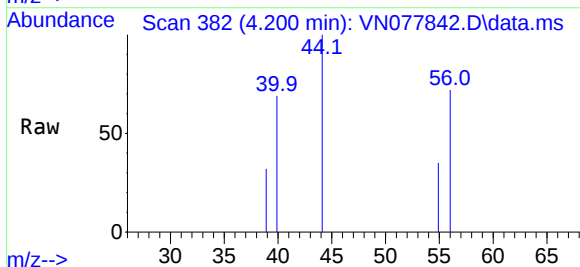
Acq: 24 May 2023 05:49

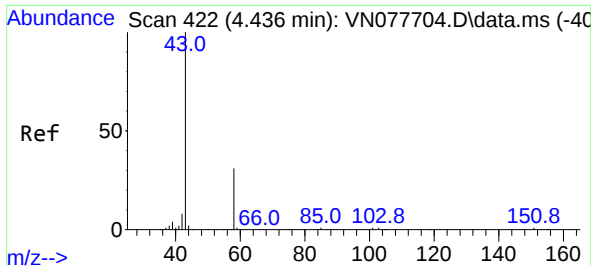
Tgt Ion: 56 Resp: 811

Ion Ratio Lower Upper

56 100

55 81.4 54.5 81.7

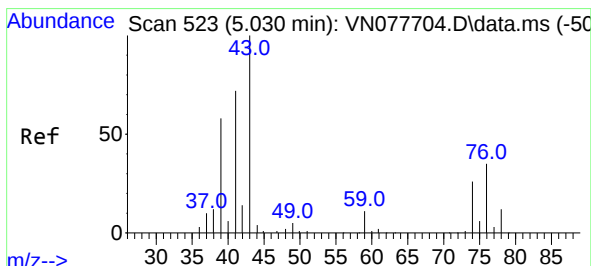
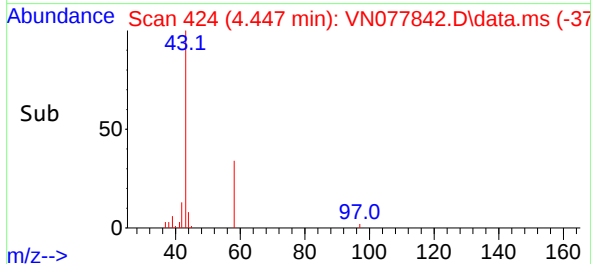
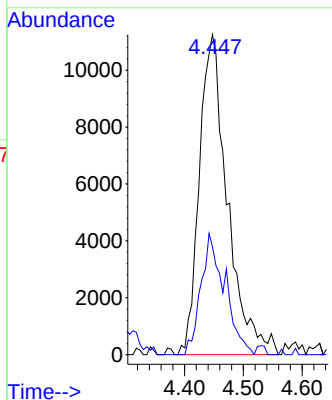
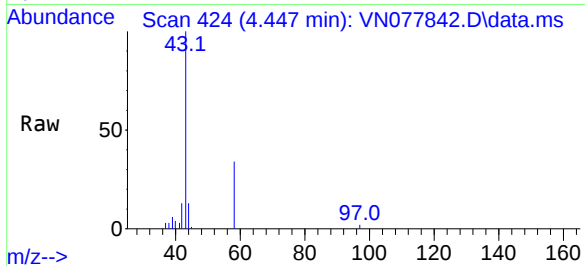




#16
Acetone
Concen: 20.590 ug/l
RT: 4.447 min Scan# 41
Delta R.T. 0.017 min
Lab File: VN077842.D
Acq: 24 May 2023 05:49

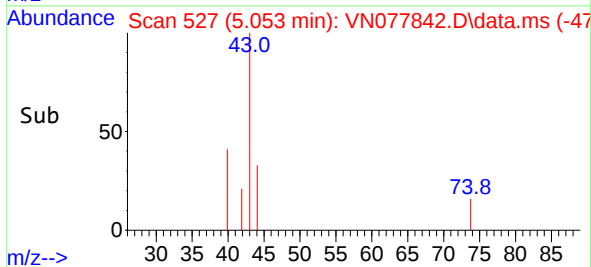
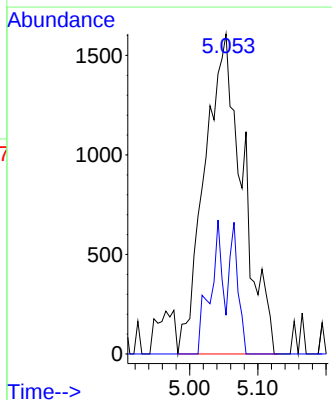
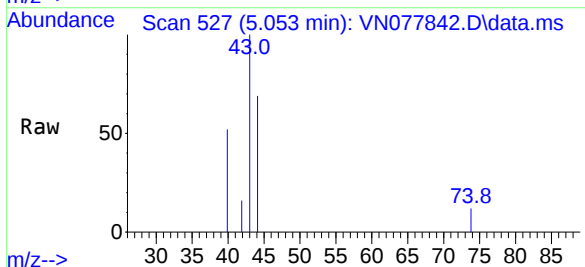
Instrument :
MSVOA_N
ClientSampleId :
TP-40A

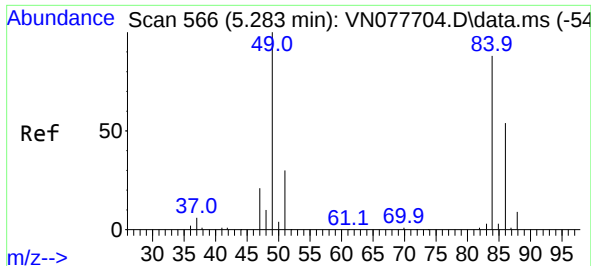
Tgt Ion: 43 Resp: 37344
Ion Ratio Lower Upper
43 100
58 33.8 28.0 42.0



#18
Methyl Acetate
Concen: 0.821 ug/l
RT: 5.053 min Scan# 527
Delta R.T. 0.017 min
Lab File: VN077842.D
Acq: 24 May 2023 05:49

Tgt Ion: 43 Resp: 6246
Ion Ratio Lower Upper
43 100
74 9.3 26.2 39.4#

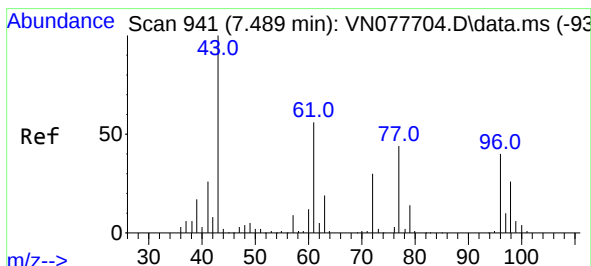
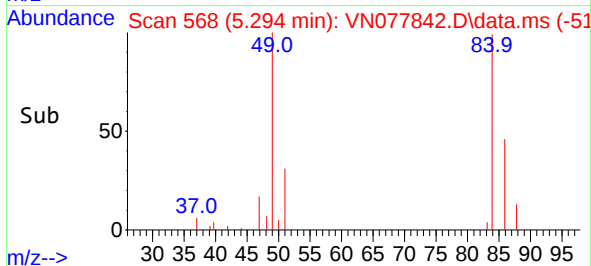
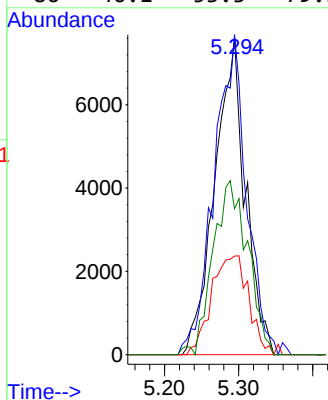
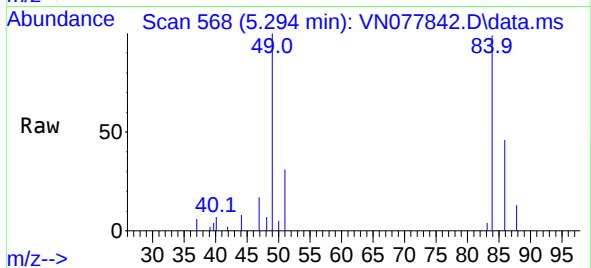




#20
Methylene Chloride
Concen: 2.754 ug/l
RT: 5.294 min Scan# 51
Delta R.T. 0.011 min
Lab File: VN077842.D
Acq: 24 May 2023 05:49

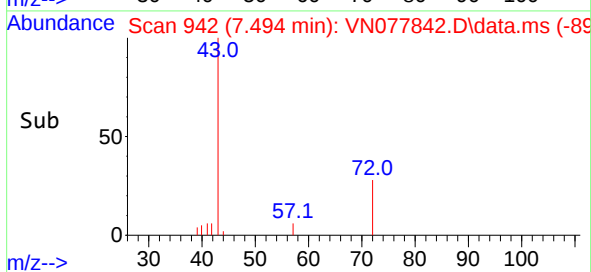
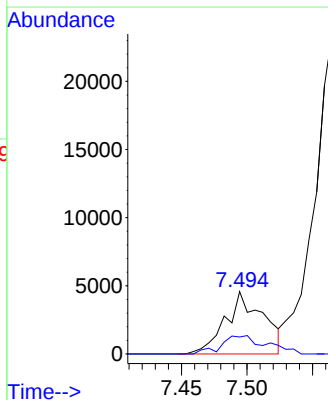
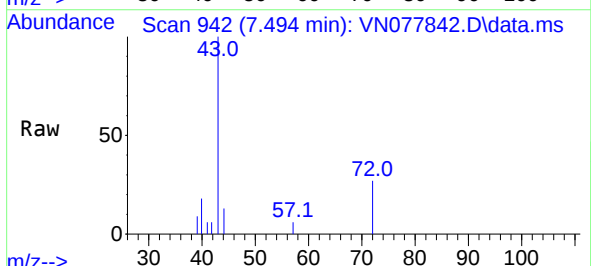
Instrument :
MSVOA_N
ClientSampleId :
TP-40A

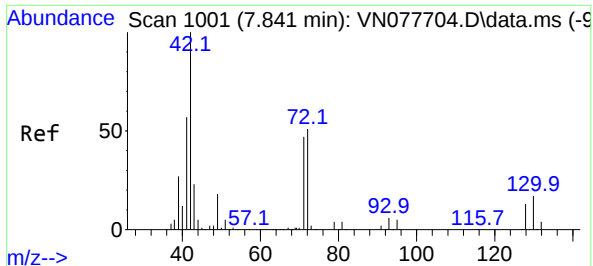
Tgt Ion:	84	Resp:	21812
Ion	Ratio	Lower	Upper
84	100		
49	101.1	79.7	119.5
51	31.1	25.2	37.8
86	46.1	53.3	79.9#



#25
2-Butanone
Concen: 3.224 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN077842.D
Acq: 24 May 2023 05:49

Tgt Ion:	43	Resp:	9146
Ion	Ratio	Lower	Upper
43	100		
72	27.1	30.2	45.2#

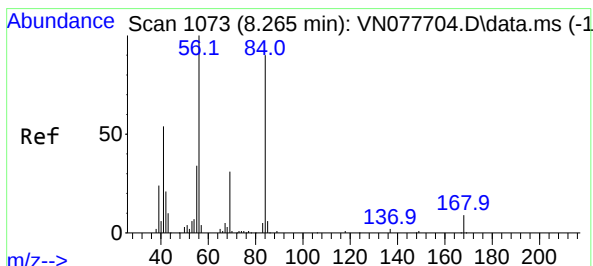
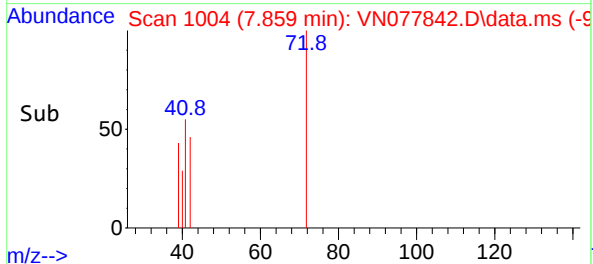
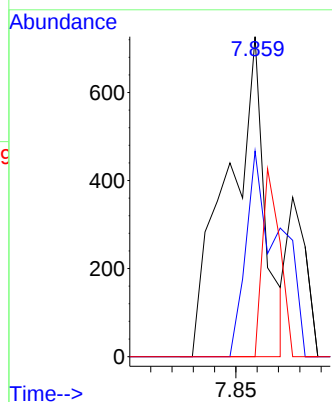
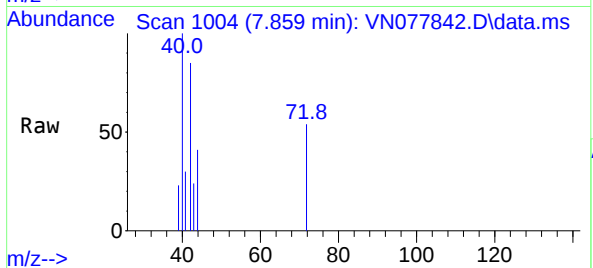




#29
Tetrahydrofuran
Concen: 0.479 ug/l
RT: 7.859 min Scan# 1068
Delta R.T. 0.018 min
Lab File: VN077842.D
Acq: 24 May 2023 05:49

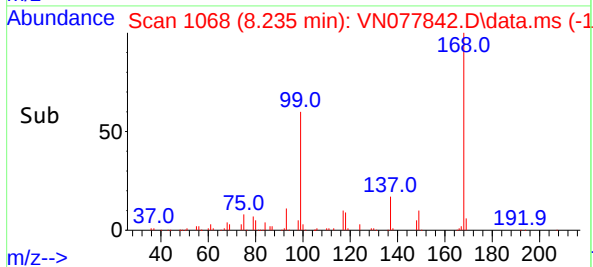
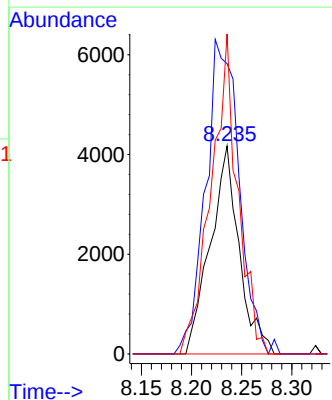
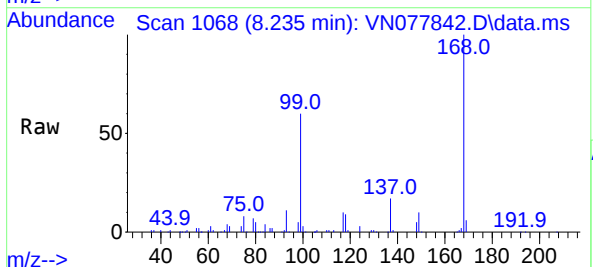
Instrument :
MSVOA_N
ClientSampleId :
TP-40A

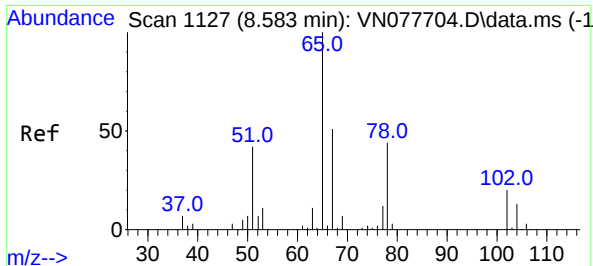
Tgt Ion: 42 Resp: 890
Ion Ratio Lower Upper
42 100
72 56.9 49.8 74.6
71 27.2 47.4 71.2#



#31
Cyclohexane
Concen: 1.071 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.030 min
Lab File: VN077842.D
Acq: 24 May 2023 05:49

Tgt Ion: 56 Resp: 8388
Ion Ratio Lower Upper
56 100
69 139.5 26.8 40.2#
84 153.8 81.8 122.6#

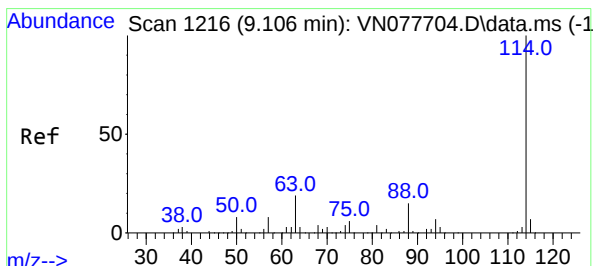
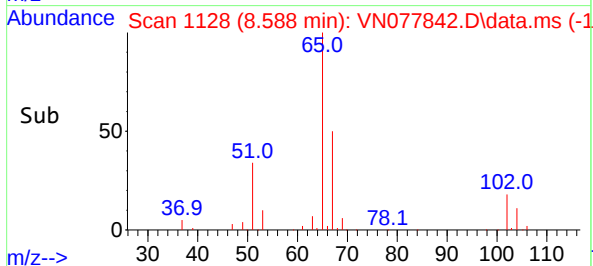
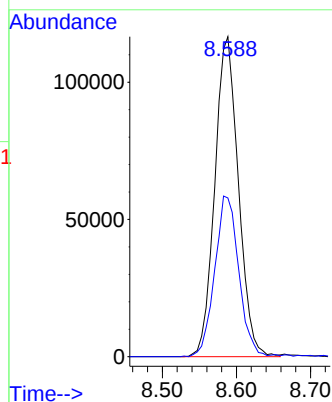
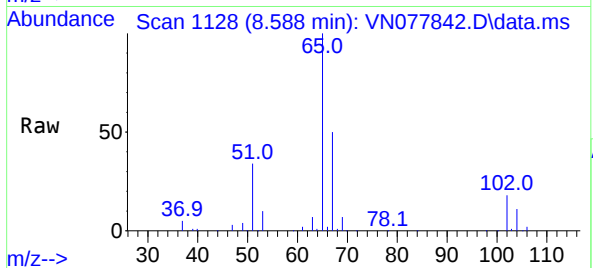




#33
1,2-Dichloroethane-d4
Concen: 44.711 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN077842.D
Acq: 24 May 2023 05:49

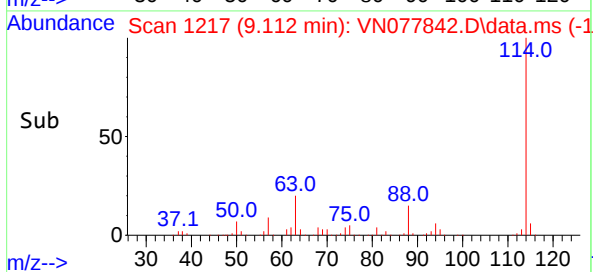
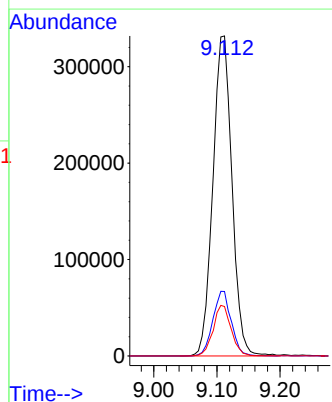
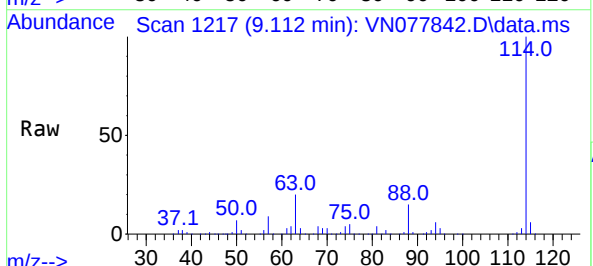
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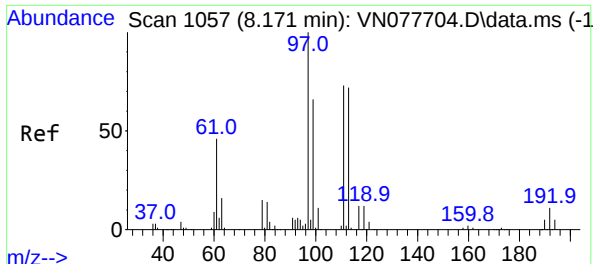
Tgt Ion: 65 Resp: 257753
Ion Ratio Lower Upper
65 100
67 51.1 0.0 106.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.112 min Scan# 1217
Delta R.T. 0.006 min
Lab File: VN077842.D
Acq: 24 May 2023 05:49

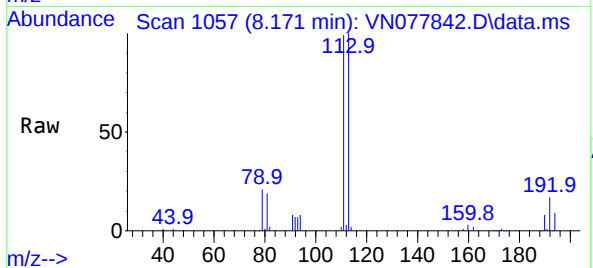
Tgt Ion: 114 Resp: 697687
Ion Ratio Lower Upper
114 100
63 20.1 0.0 36.4
88 15.4 0.0 30.6



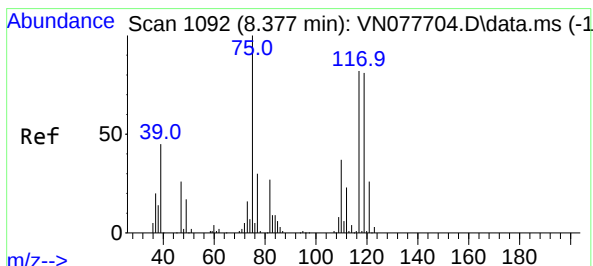
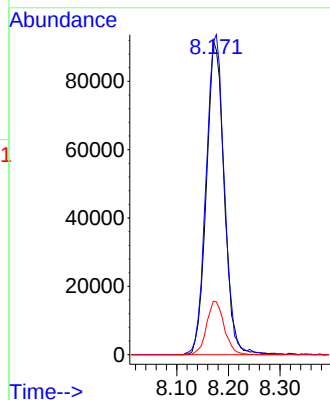
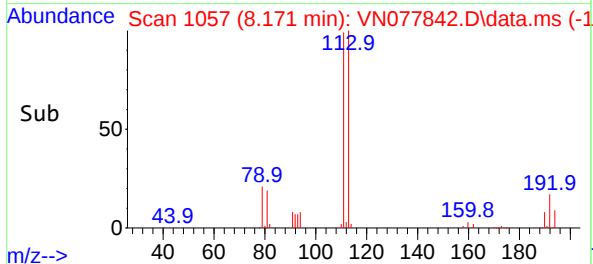


#35
Dibromofluoromethane
Concen: 48.163 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN077842.D
Acq: 24 May 2023 05:49

Instrument :
MSVOA_N
ClientSampleId :
TP-40A

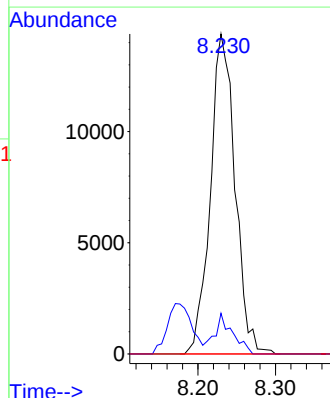
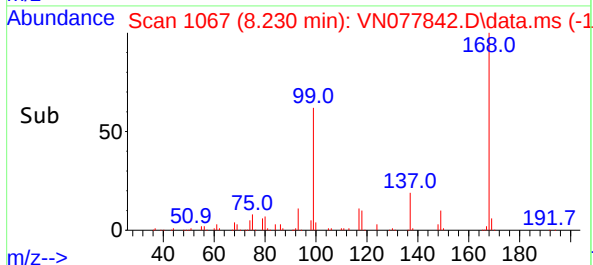
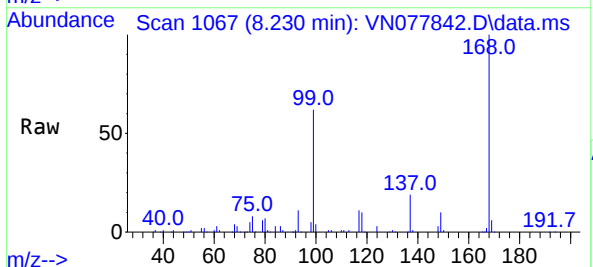


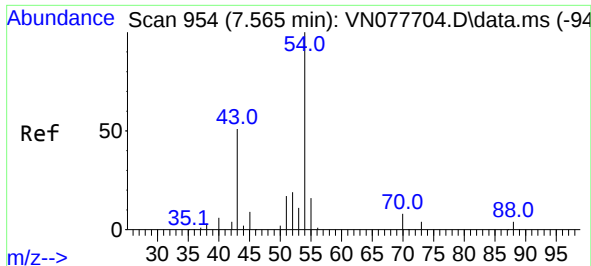
Tgt Ion:113 Resp: 219120
Ion Ratio Lower Upper
113 100
111 104.6 82.6 123.8
192 16.9 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.790 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN077842.D
Acq: 24 May 2023 05:49

Tgt Ion: 75 Resp: 31877
Ion Ratio Lower Upper
75 100
110 9.3 19.1 57.3#
77 0.0 25.0 37.4#

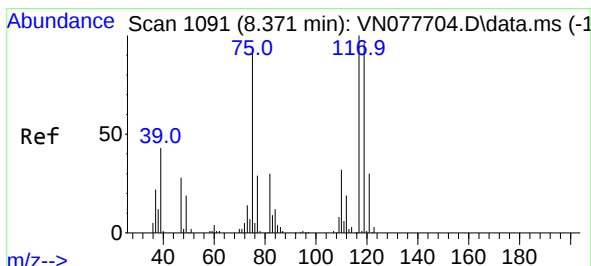
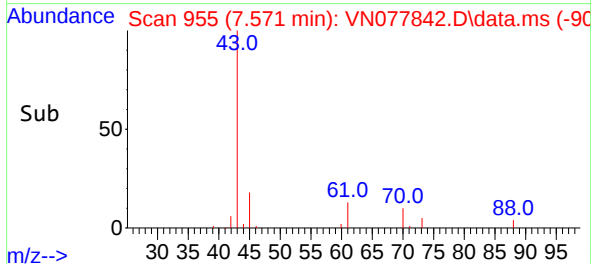
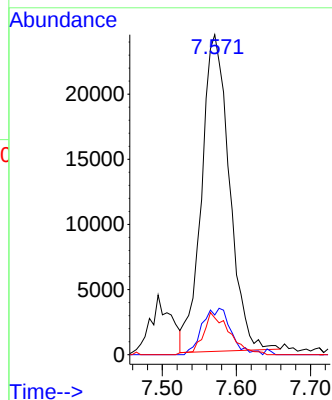
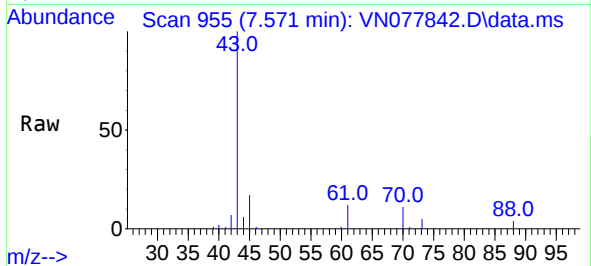




#37
Ethyl Acetate
Concen: 10.684 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN077842.D
Acq: 24 May 2023 05:49

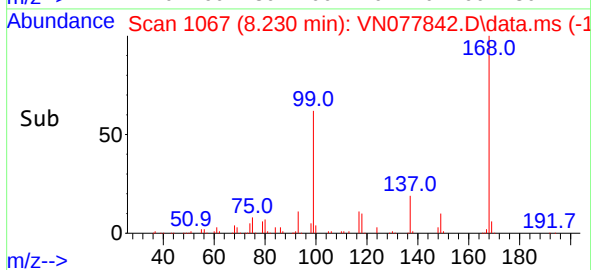
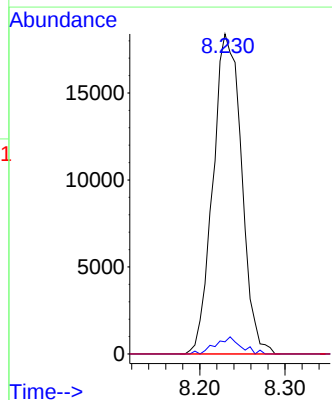
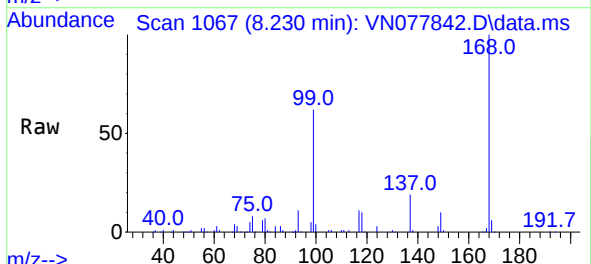
Instrument :
MSVOA_N
ClientSampleId :
TP-40A

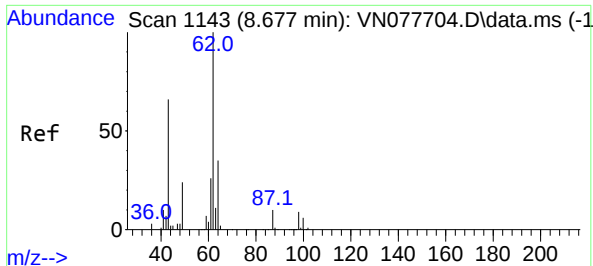
Tgt Ion: 43 Resp: 63366
Ion Ratio Lower Upper
43 100
61 15.1 13.2 19.8
70 12.6 11.3 16.9



#38
Carbon Tetrachloride
Concen: 6.372 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN077842.D
Acq: 24 May 2023 05:49

Tgt Ion: 117 Resp: 42814
Ion Ratio Lower Upper
117 100
119 3.8 77.3 115.9#
121 0.0 23.3 34.9#

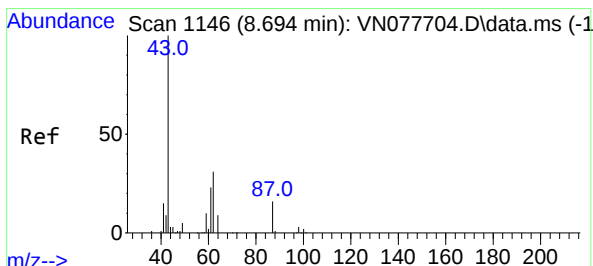
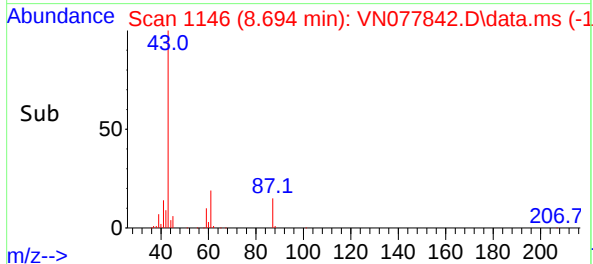
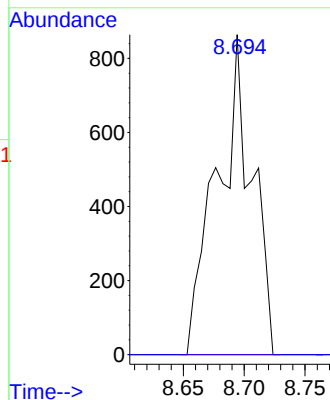
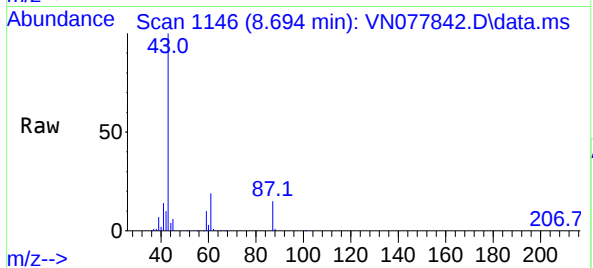




#42
1,2-Dichloroethane
Concen: 0.242 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.017 min
Lab File: VN077842.D
Acq: 24 May 2023 05:49

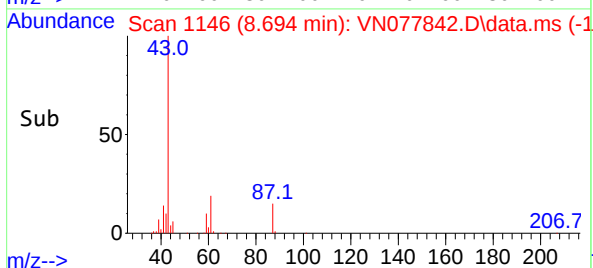
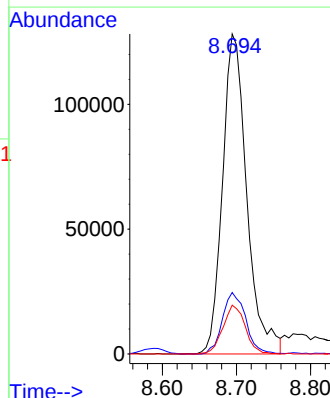
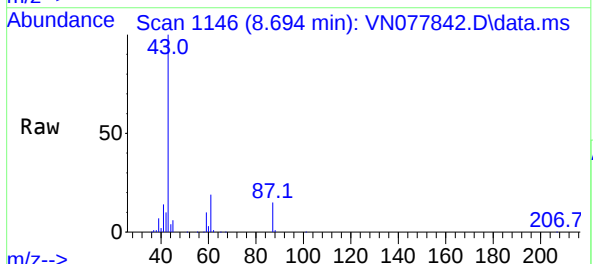
Instrument :
MSVOA_N
ClientSampleId :
TP-40A

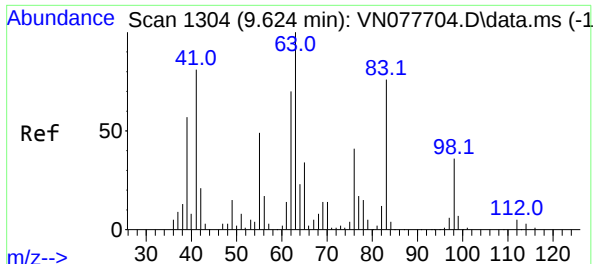
Tgt Ion: 62 Resp: 1724
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.8



#43
Isopropyl Acetate
Concen: 30.125 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN077842.D
Acq: 24 May 2023 05:49

Tgt Ion: 43 Resp: 291846
Ion Ratio Lower Upper
43 100
61 18.5 24.7 37.1#
87 14.0 14.6 21.8#

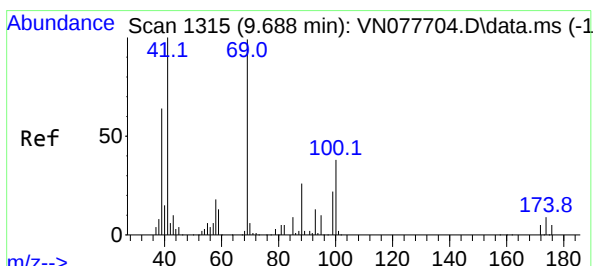
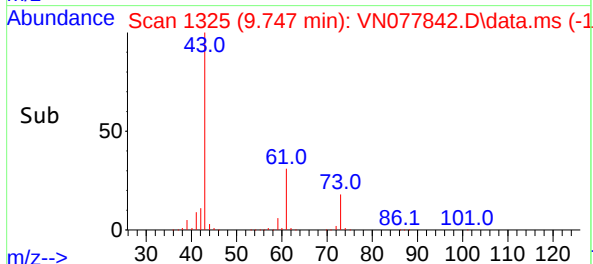
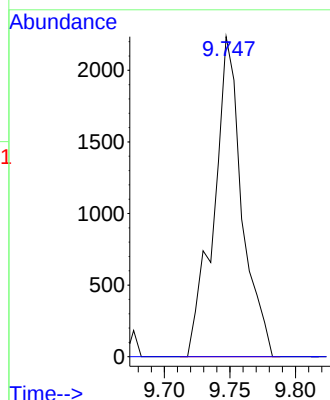
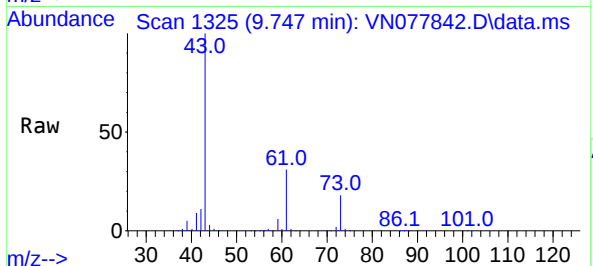




#45
1,2-Dichloropropane
Concen: 0.667 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.123 min
Lab File: VN077842.D
Acq: 24 May 2023 05:49

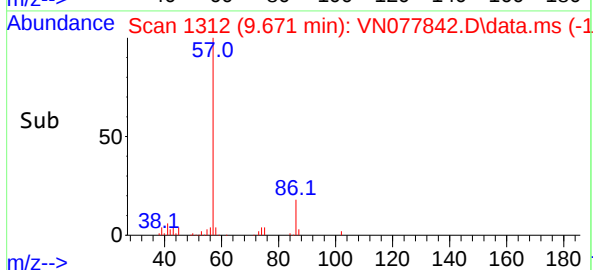
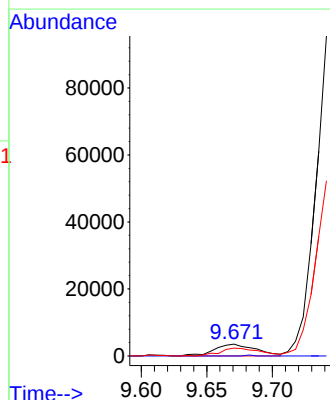
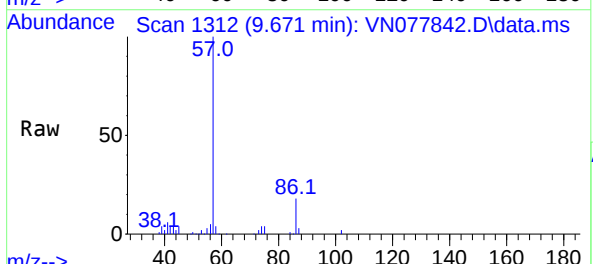
Instrument :
MSVOA_N
ClientSampleId :
TP-40A

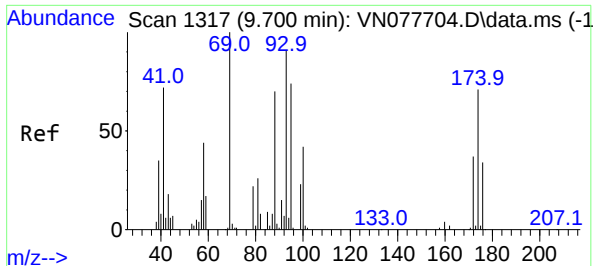
Tgt Ion: 63 Resp: 3341
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#



#48
Methyl methacrylate
Concen: 1.693 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. -0.017 min
Lab File: VN077842.D
Acq: 24 May 2023 05:49

Tgt Ion: 41 Resp: 7777
Ion Ratio Lower Upper
41 100
69 1.4 90.4 135.6#
39 64.4 54.6 81.8

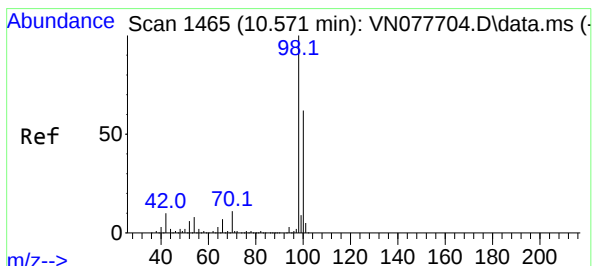
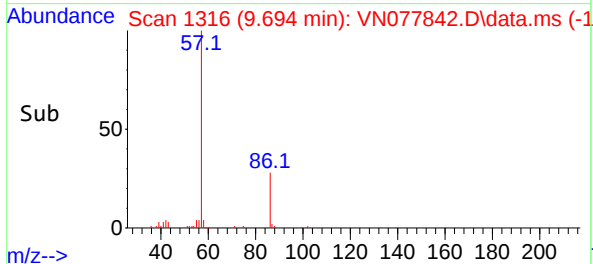
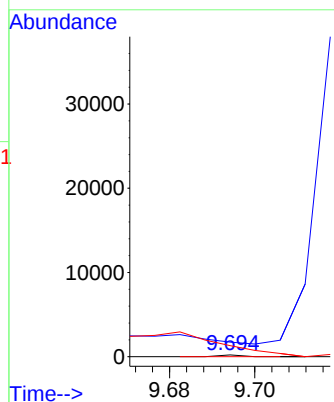
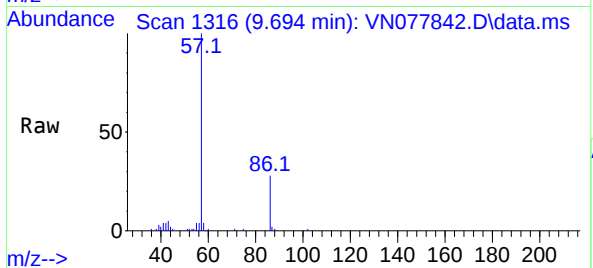




#49
1,4-Dioxane
Concen: 0.830 ug/l
RT: 9.694 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077842.D
Acq: 24 May 2023 05:49

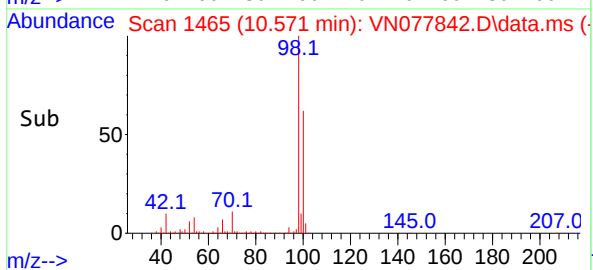
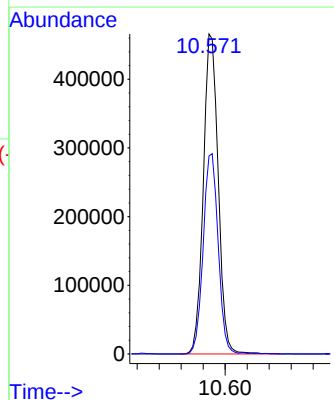
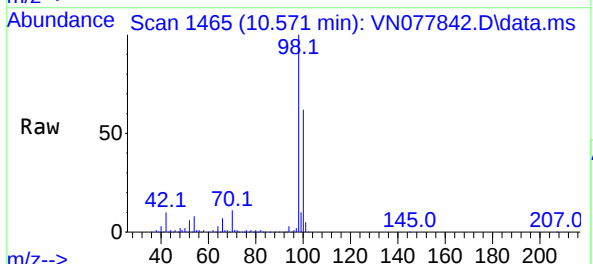
Instrument :
MSVOA_N
ClientSampleId :
TP-40A

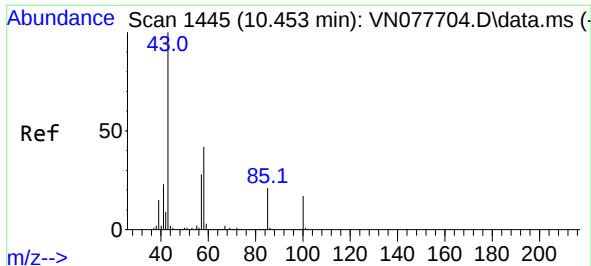
Tgt Ion: 88 Resp: 72
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 8976.4 47.0 70.4#



#50
Toluene-d8
Concen: 49.946 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN077842.D
Acq: 24 May 2023 05:49

Tgt Ion: 98 Resp: 874634
Ion Ratio Lower Upper
98 100
100 63.2 52.0 78.0

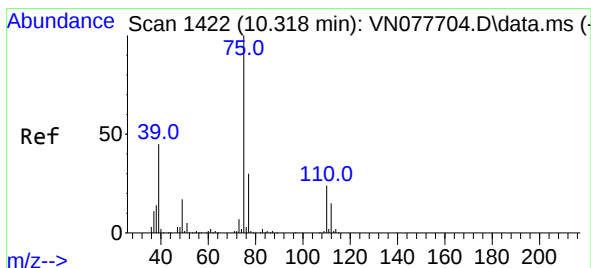
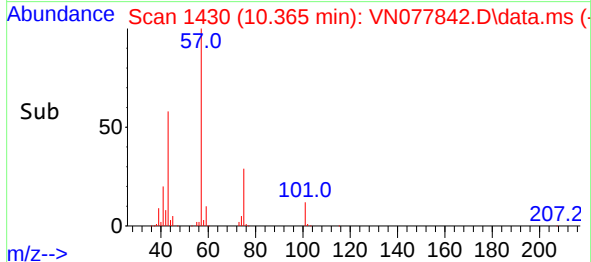
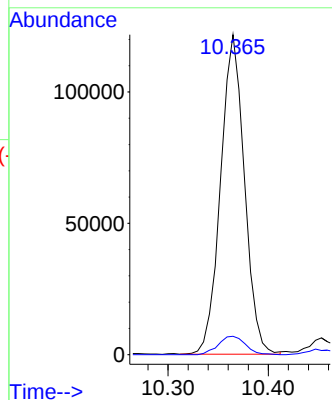
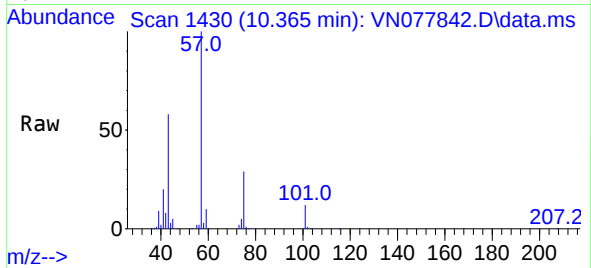




#51
4-Methyl-2-Pentanone
Concen: 34.927 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. -0.082 min
Lab File: VN077842.D
Acq: 24 May 2023 05:49

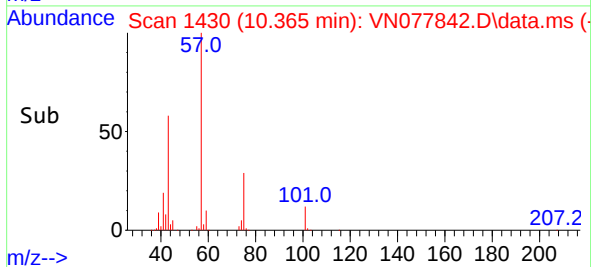
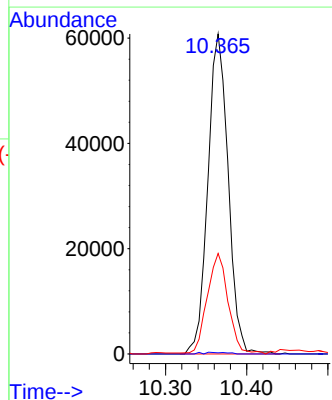
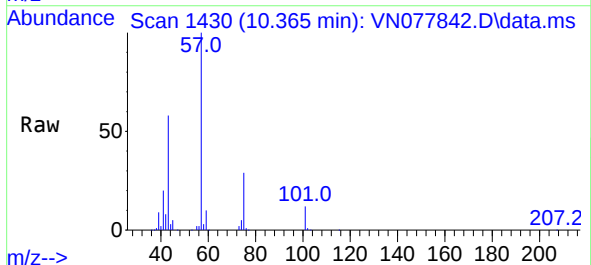
Instrument :
MSVOA_N
ClientSampleId :
TP-40A

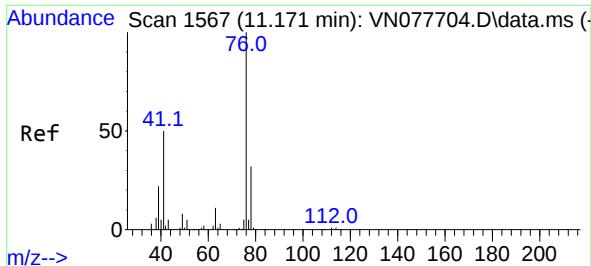
Tgt Ion: 43 Resp: 201130
Ion Ratio Lower Upper
43 100
58 6.6 36.6 54.8#



#54
cis-1,3-Dichloropropene
Concen: 13.189 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. 0.047 min
Lab File: VN077842.D
Acq: 24 May 2023 05:49

Tgt Ion: 75 Resp: 105617
Ion Ratio Lower Upper
75 100
77 0.4 26.1 39.1#
39 31.1 31.6 47.4#





#57

1,3-Dichloropropane

Concen: 1.422 ug/l

RT: 11.212 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN077842.D

Acq: 24 May 2023 05:49

Instrument :

MSVOA_N

ClientSampleId :

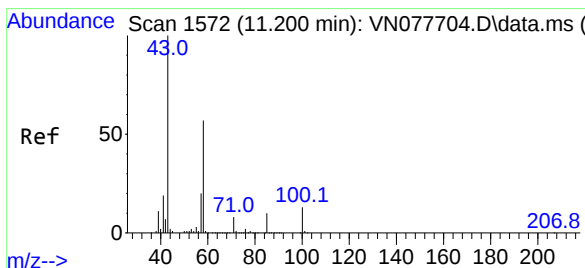
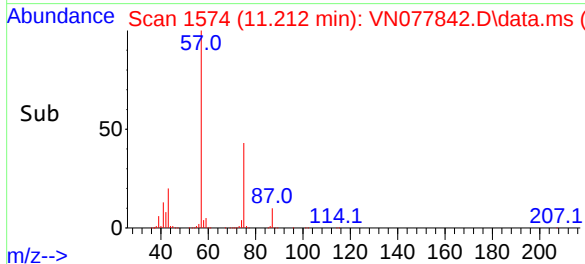
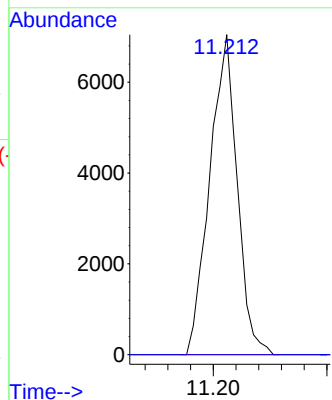
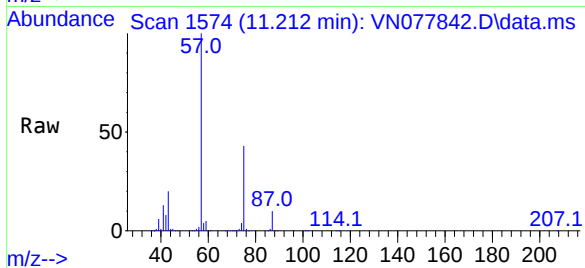
TP-40A

Tgt Ion: 76 Resp: 11829

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 50.997 ug/l

RT: 11.176 min Scan# 1568

Delta R.T. -0.024 min

Lab File: VN077842.D

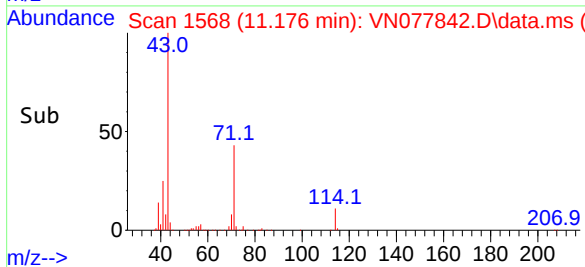
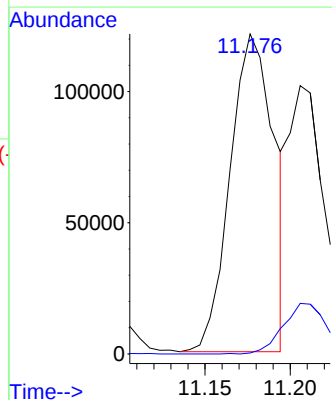
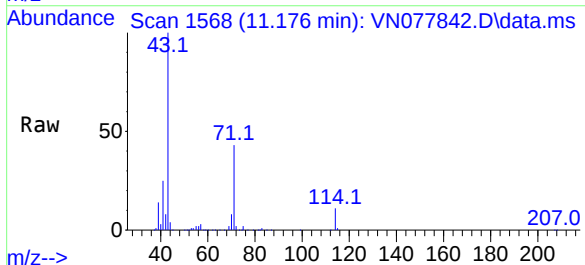
Acq: 24 May 2023 05:49

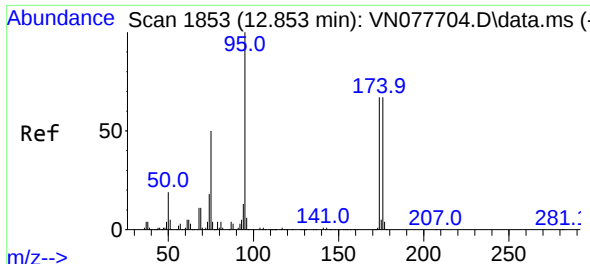
Tgt Ion: 43 Resp: 217218

Ion Ratio Lower Upper

43 100

58 0.0 31.7 95.1#

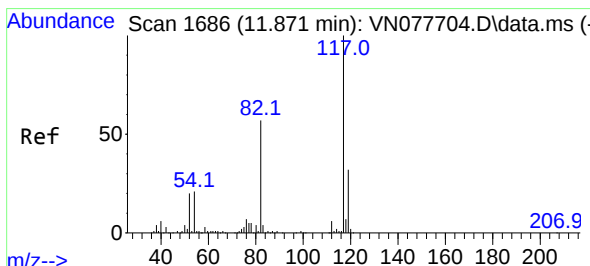
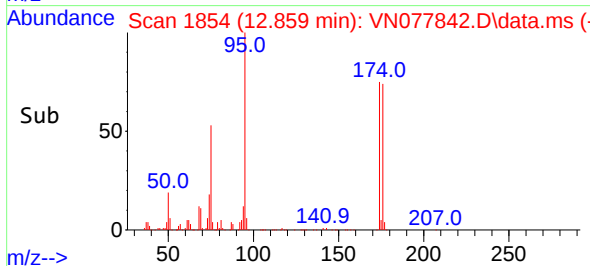
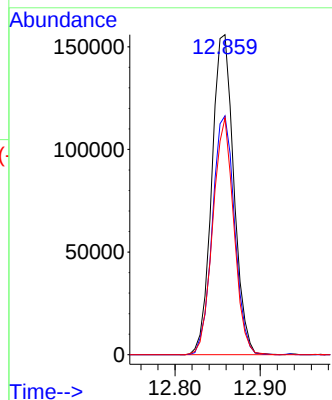
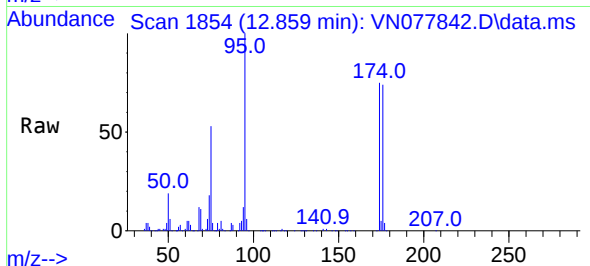




#62
4-Bromofluorobenzene
Concen: 45.192 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN077842.D
Acq: 24 May 2023 05:49

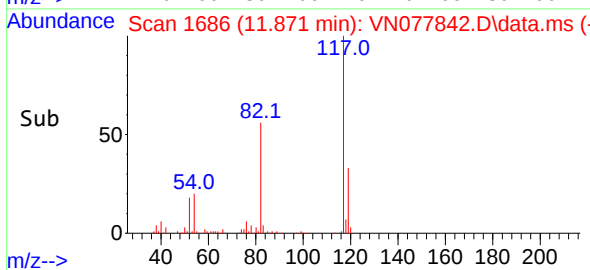
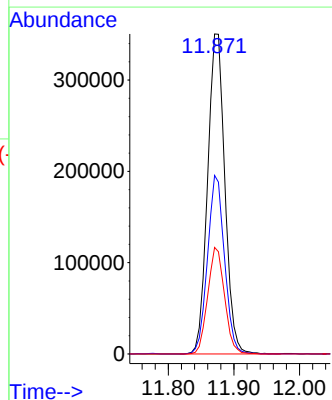
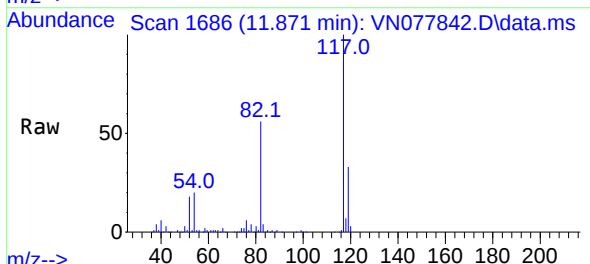
Instrument :
MSVOA_N
ClientSampleId :
TP-40A

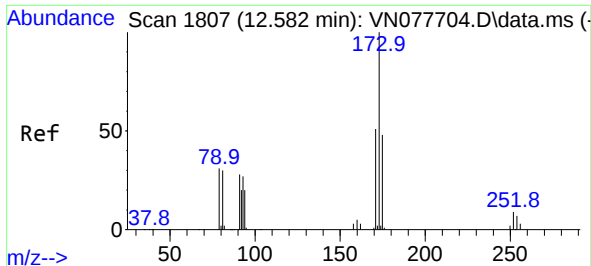
Tgt Ion: 95 Resp: 279497
Ion Ratio Lower Upper
95 100
174 75.2 0.0 143.8
176 70.7 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.001 min
Lab File: VN077842.D
Acq: 24 May 2023 05:49

Tgt Ion: 117 Resp: 641277
Ion Ratio Lower Upper
117 100
82 55.8 44.0 66.0
119 33.3 25.6 38.4

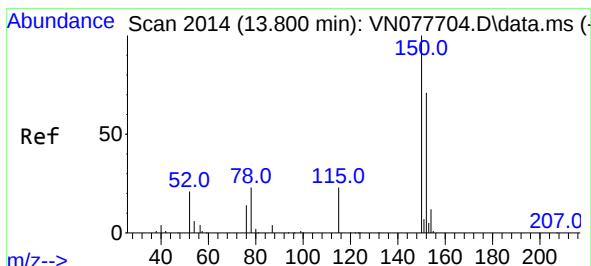
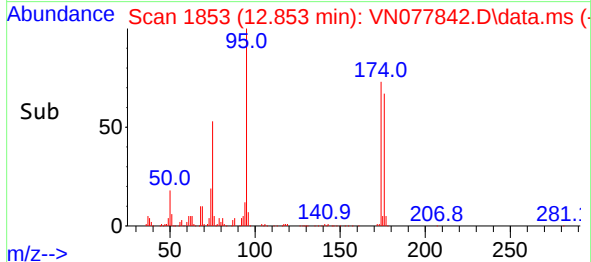
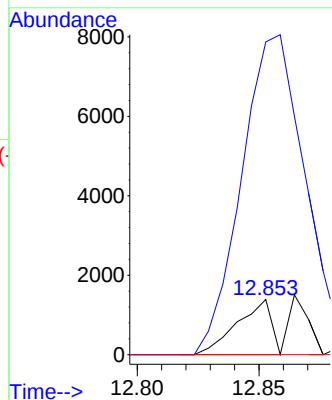
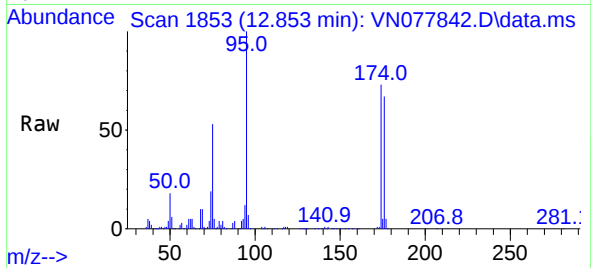




#71
Bromoform
Concen: 0.424 ug/l
RT: 12.853 min Scan# 1807
Delta R.T. 0.271 min
Lab File: VN077842.D
Acq: 24 May 2023 05:49

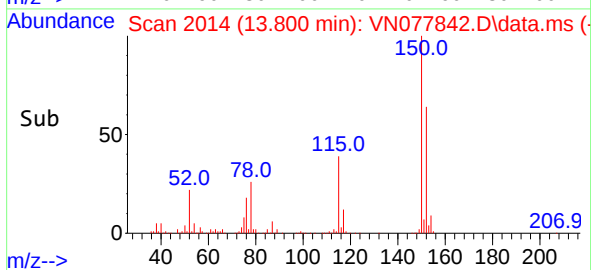
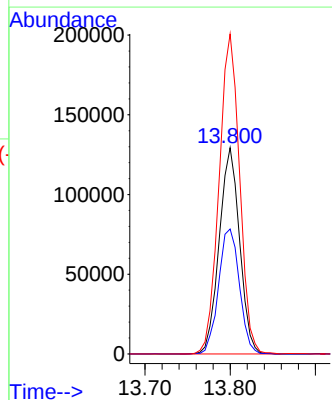
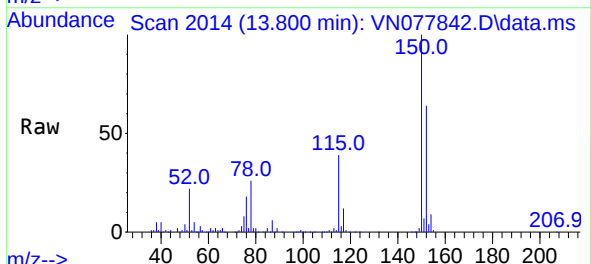
Instrument :
MSVOA_N
ClientSampleId :
TP-40A

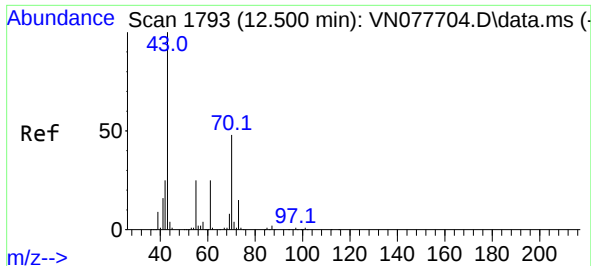
Tgt Ion:173 Resp: 1357
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN077842.D
Acq: 24 May 2023 05:49

Tgt Ion:152 Resp: 215127
Ion Ratio Lower Upper
152 100
115 62.2 32.3 96.8
150 156.0 0.0 355.8

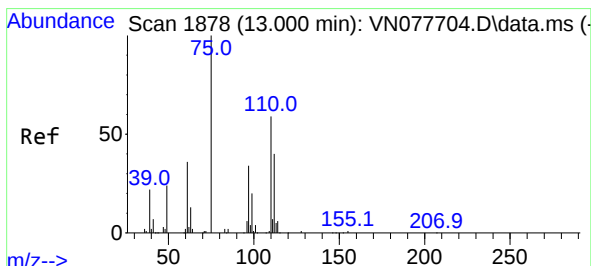
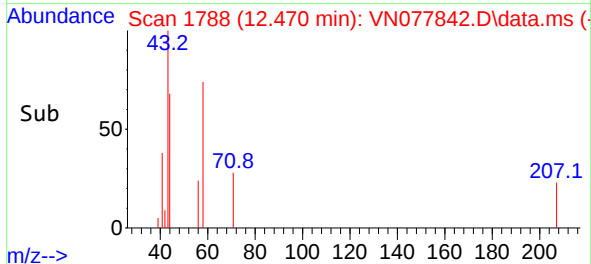
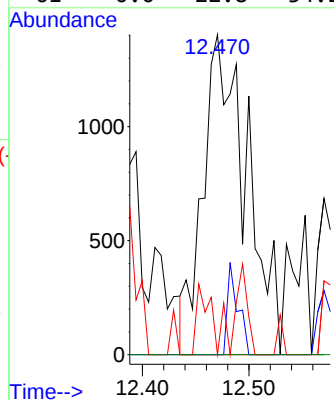
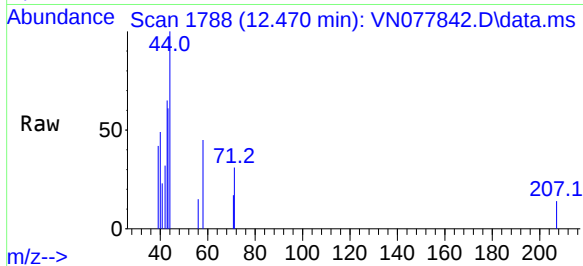




#74
N-amy1 acetate
Concen: 0.584 ug/l
RT: 12.470 min Scan# 11
Delta R.T. -0.030 min
Lab File: VN077842.D
Acq: 24 May 2023 05:49

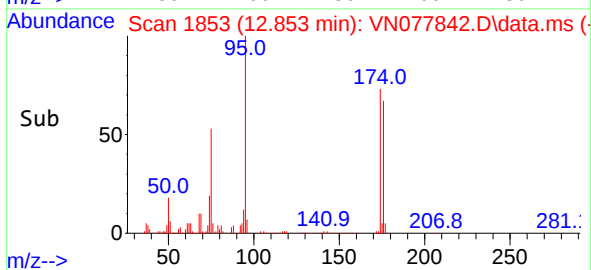
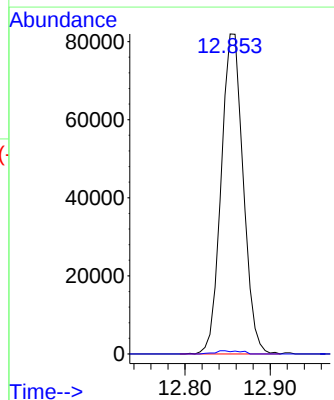
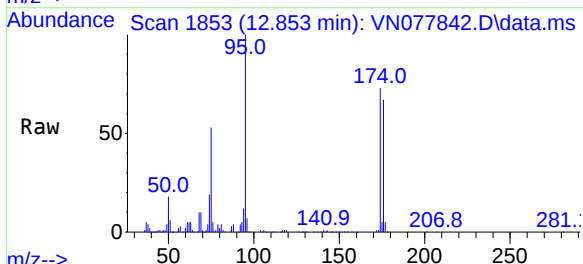
Instrument :
MSVOA_N
ClientSampleId :
TP-40A

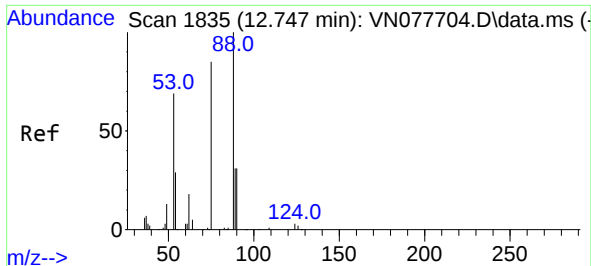
Tgt Ion: 43	Resp: 4005
Ion Ratio	Lower Upper
43 100	
70 0.0	43.4 65.2#
55 6.6	21.4 32.0#
61 0.0	22.8 34.2#



#76
1,2,3-Trichloropropane
Concen: 27.380 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN077842.D
Acq: 24 May 2023 05:49

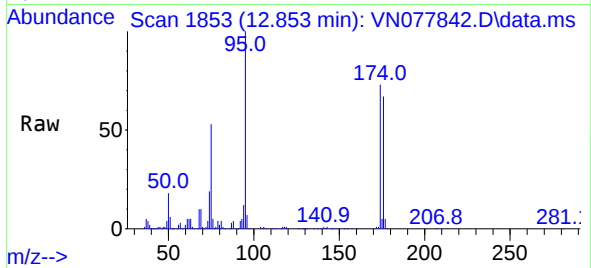
Tgt Ion: 75	Resp: 147510
Ion Ratio	Lower Upper
75 100	
77 1.1	84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 87.520 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN077842.D
 Acq: 24 May 2023 05:49

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-40A



Tgt Ion: 75 Resp: 147510
 Ion Ratio Lower Upper
 75 100
 53 0.1 67.4 101.2#
 89 0.0 38.8 58.2#

