

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122022\
 Data File : VN075897.D
 Acq On : 20 Dec 2022 14:35
 Operator : JC\MD
 Sample : N6129-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 D8

Quant Time: Dec 21 01:28:21 2022
 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)

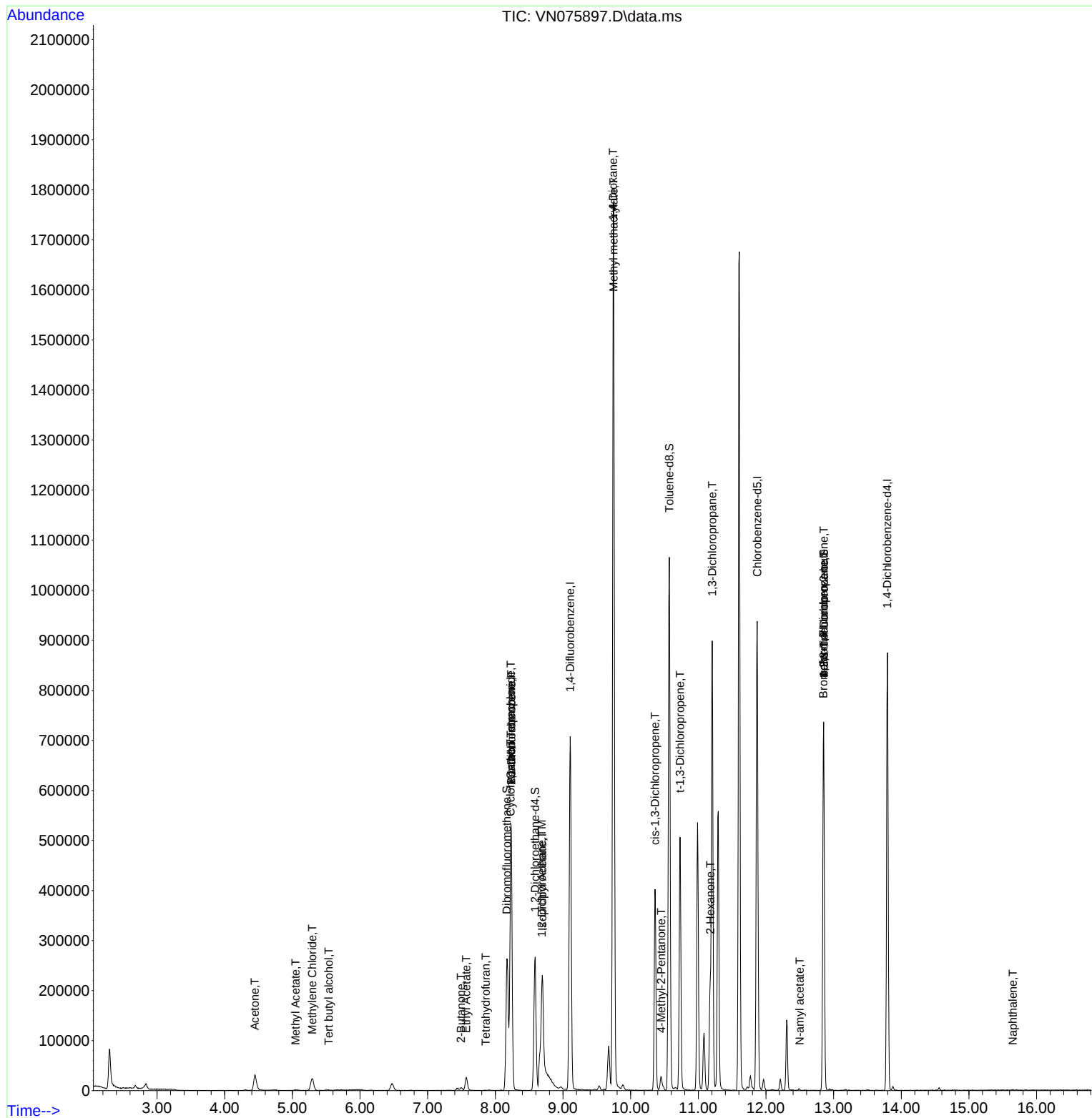
Internal Standards						
1) Pentafluorobenzene	8.235	168	420091	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	658771	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	581134	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	248968	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	211573	46.294	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.580%		
35) Dibromofluoromethane	8.171	113	193642	47.465	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.940%		
50) Toluene-d8	10.571	98	761562	49.927	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.860%		
62) 4-Bromofluorobenzene	12.853	95	246020	48.697	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.400%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.536	59	1586	2.453	ug/l #	72
16) Acetone	4.447	43	58303	37.008	ug/l	96
18) Methyl Acetate	5.047	43	2839	0.610	ug/l	99
20) Methylene Chloride	5.294	84	20440	4.264	ug/l #	95
25) 2-Butanone	7.494	43	8942	4.054	ug/l	96
29) Tetrahydrofuran	7.859	42	515	0.373	ug/l #	33
31) Cyclohexane	8.224	56	7861	1.201	ug/l #	22
36) 1,1-Dichloropropene	8.235	75	29031	5.357	ug/l #	51
37) Ethyl Acetate	7.571	43	36154	8.305	ug/l	96
38) Carbon Tetrachloride	8.230	117	40838	6.733	ug/l #	16
42) 1,2-Dichloroethane	8.688	62	1704	0.307	ug/l #	72
43) Isopropyl Acetate	8.694	43	372549	51.881	ug/l #	71
48) Methyl methacrylate	9.747	41	154197	47.677	ug/l #	34
49) 1,4-Dioxane	9.741	88	272	3.421	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	25182	5.799	ug/l #	79
53) t-1,3-Dichloropropene	10.729	75	1335	0.230	ug/l #	57
54) cis-1,3-Dichloropropene	10.359	75	80552	12.664	ug/l #	63
57) 1,3-Dichloropropane	11.206	76	10496	1.497	ug/l #	42
59) 2-Hexanone	11.176	43	150819	47.623	ug/l #	20
71) Bromoform	12.847	173	1884	0.586	ug/l #	1
74) N-amyl acetate	12.500	43	2048	0.388	ug/l #	37
76) 1,2,3-Trichloropropane	12.853	75	126114	25.129	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	126114	90.453	ug/l #	12
95) Naphthalene	15.647	128	1545	2.287	ug/l #	69

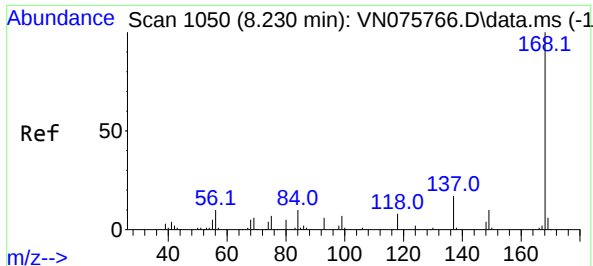
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Dec 14 13:03:41 2022
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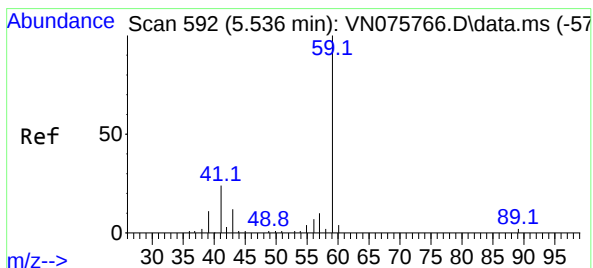
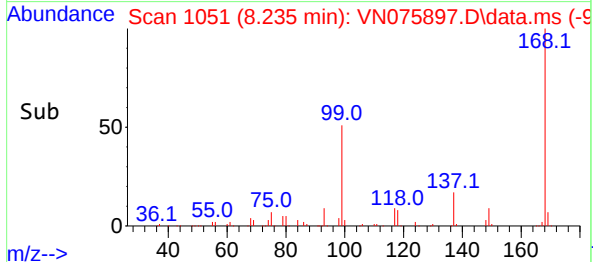
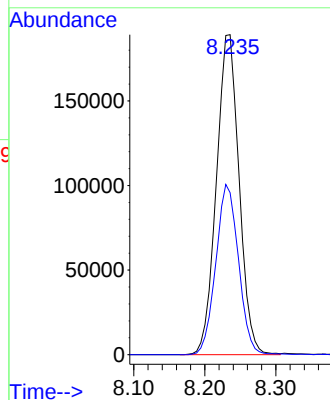
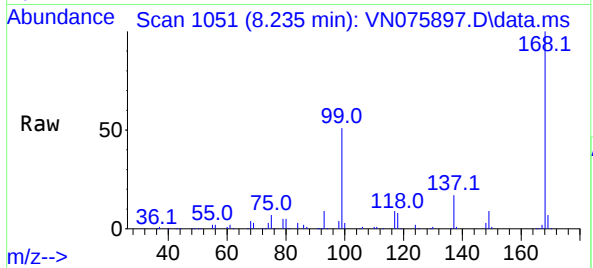




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1050
Delta R.T. 0.005 min
Lab File: VN075897.D
Acq: 20 Dec 2022 14:35

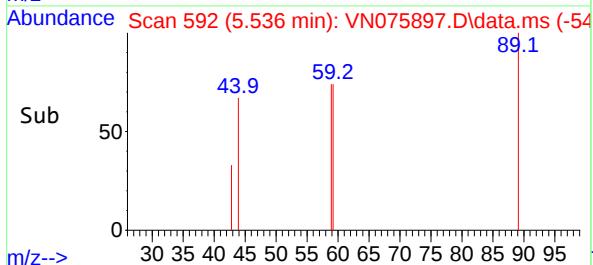
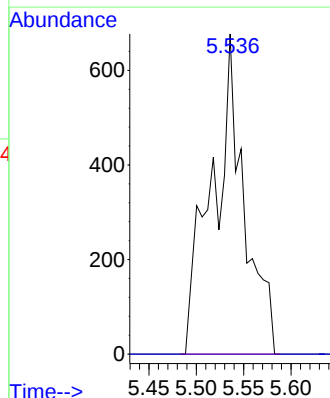
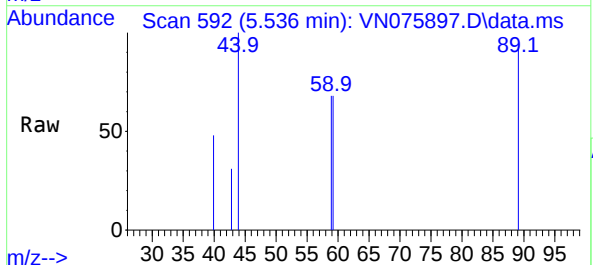
Instrument :
MSVOA_N
ClientSampleId :
D8

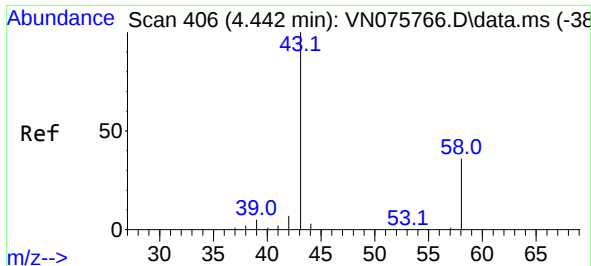
Tgt Ion:168 Resp: 420091
Ion Ratio Lower Upper
168 100
99 50.6 44.2 66.4



#11
Tert butyl alcohol
Concen: 2.453 ug/l
RT: 5.536 min Scan# 592
Delta R.T. -0.000 min
Lab File: VN075897.D
Acq: 20 Dec 2022 14:35

Tgt Ion: 59 Resp: 1586
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

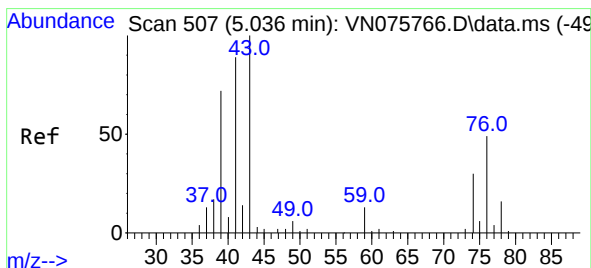
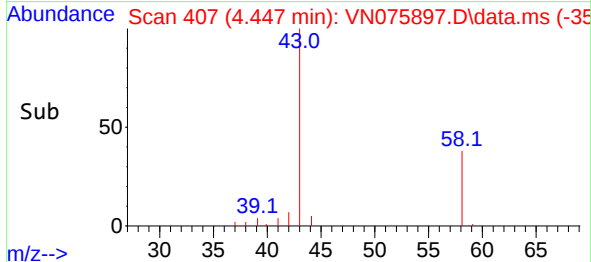
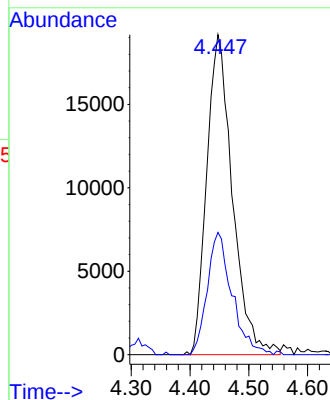
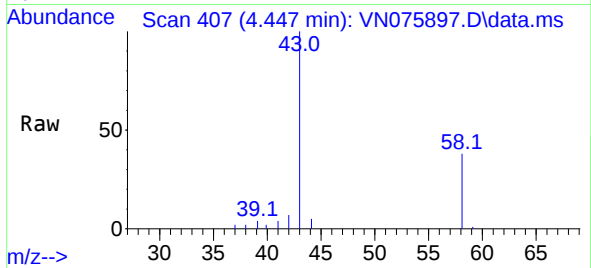




#16
Acetone
Concen: 37.008 ug/l
RT: 4.447 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN075897.D
Acq: 20 Dec 2022 14:35

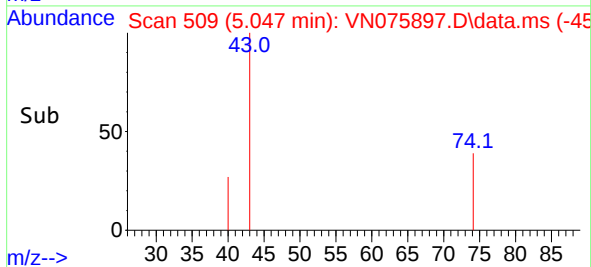
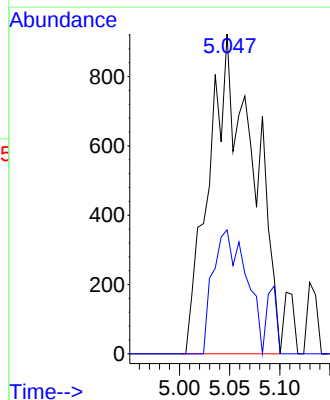
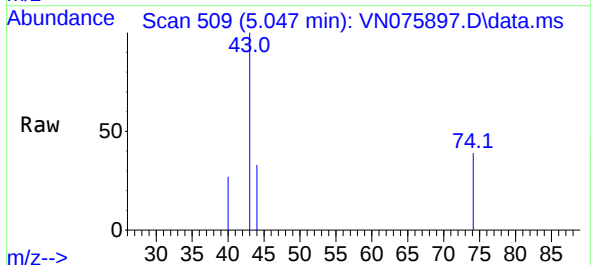
Instrument :
MSVOA_N
ClientSampleId :
D8

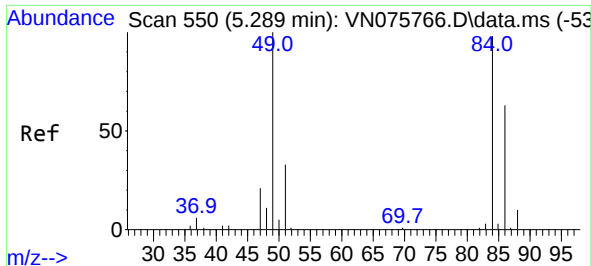
Tgt Ion: 43 Resp: 58303
Ion Ratio Lower Upper
43 100
58 38.2 28.6 43.0



#18
Methyl Acetate
Concen: 0.610 ug/l
RT: 5.047 min Scan# 509
Delta R.T. 0.012 min
Lab File: VN075897.D
Acq: 20 Dec 2022 14:35

Tgt Ion: 43 Resp: 2839
Ion Ratio Lower Upper
43 100
74 28.8 23.6 35.4

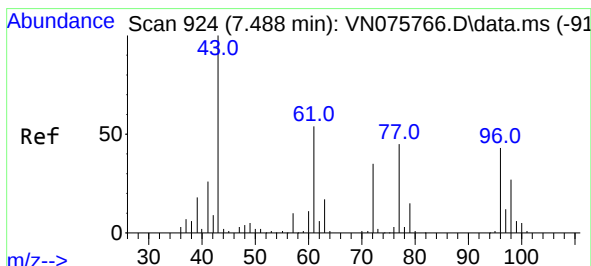
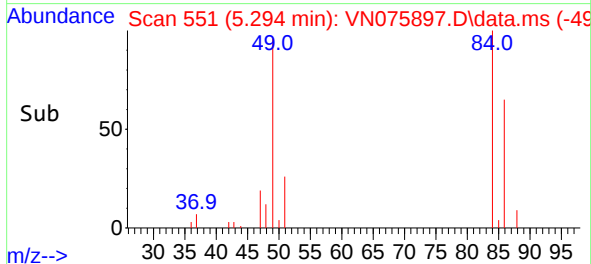
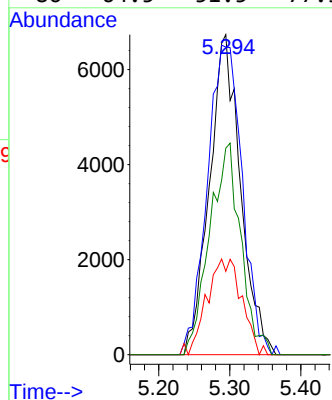
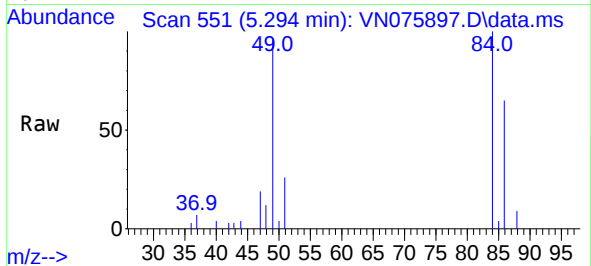




#20
Methylene Chloride
Concen: 4.264 ug/l
RT: 5.294 min Scan# 51
Delta R.T. 0.005 min
Lab File: VN075897.D
Acq: 20 Dec 2022 14:35

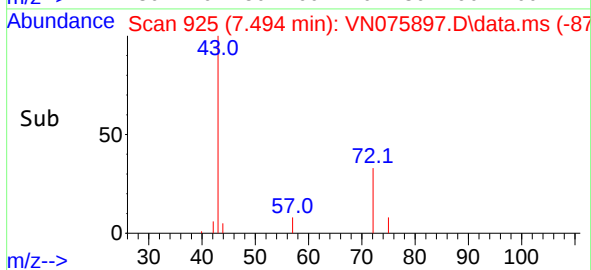
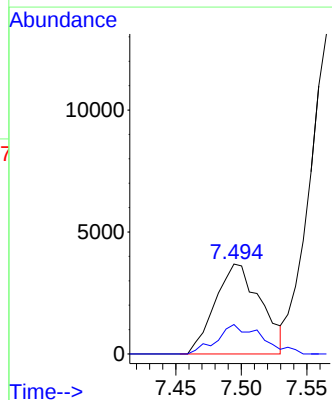
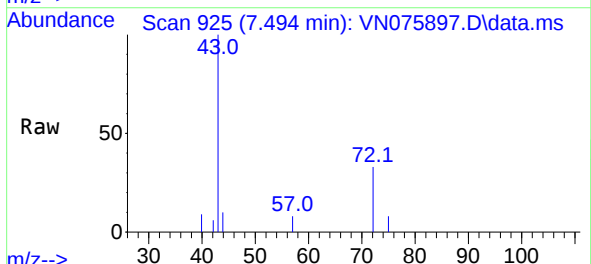
Instrument :
MSVOA_N
ClientSampleId :
D8

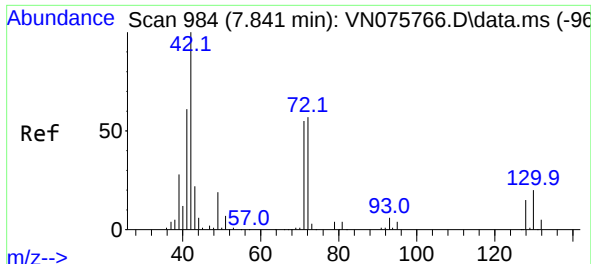
Tgt Ion: 84	Resp: 20440
Ion Ratio	Lower Upper
84 100	
49 96.2	81.8 122.6
51 26.0	26.7 40.1#
86 64.5	51.5 77.3



#25
2-Butanone
Concen: 4.054 ug/l
RT: 7.494 min Scan# 925
Delta R.T. 0.006 min
Lab File: VN075897.D
Acq: 20 Dec 2022 14:35

Tgt Ion: 43	Resp: 8942
Ion Ratio	Lower Upper
43 100	
72 32.7	28.0 42.0

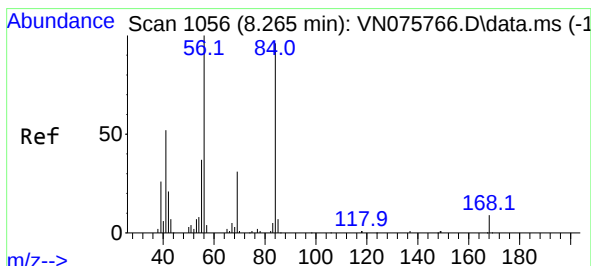
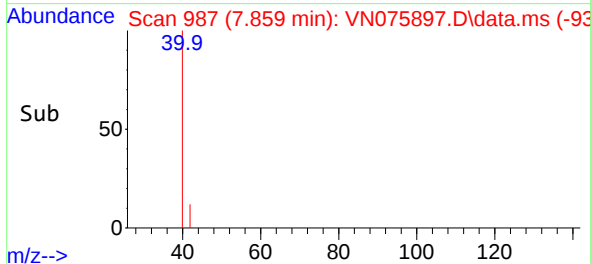
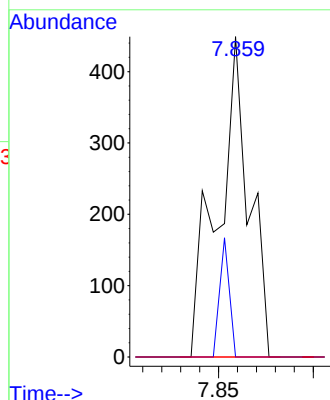
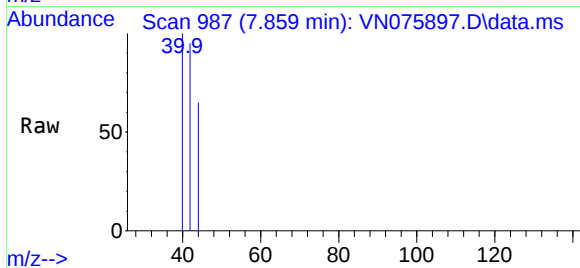




#29
Tetrahydrofuran
Concen: 0.373 ug/l
RT: 7.859 min Scan# 91
Delta R.T. 0.018 min
Lab File: VN075897.D
Acq: 20 Dec 2022 14:35

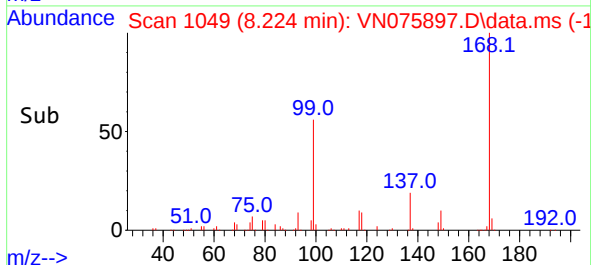
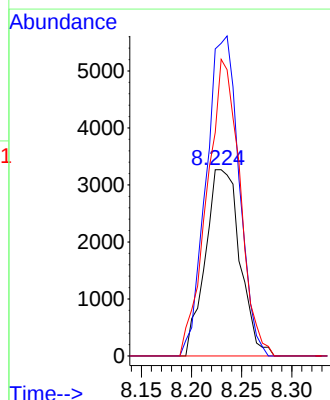
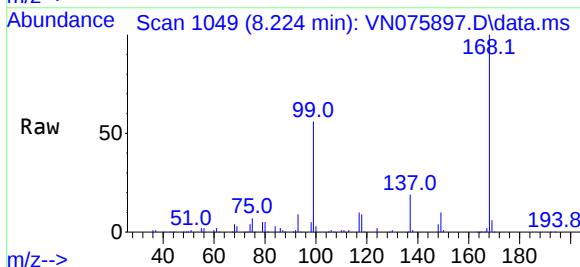
Instrument :
MSVOA_N
ClientSampleId :
D8

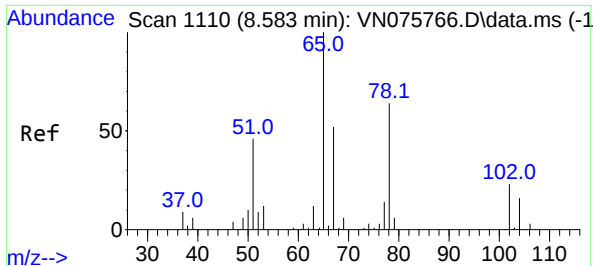
Tgt Ion: 42 Resp: 515
Ion Ratio Lower Upper
42 100
72 11.5 44.5 66.7#
71 0.0 41.0 61.6#



#31
Cyclohexane
Concen: 1.201 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.041 min
Lab File: VN075897.D
Acq: 20 Dec 2022 14:35

Tgt Ion: 56 Resp: 7861
Ion Ratio Lower Upper
56 100
69 164.8 24.7 37.1#
84 119.9 76.5 114.7#





#33

1,2-Dichloroethane-d4

Concen: 46.294 ug/l

RT: 8.588 min Scan# 1110

Delta R.T. 0.006 min

Lab File: VN075897.D

Acq: 20 Dec 2022 14:35

Instrument :

MSVOA_N

ClientSampleId :

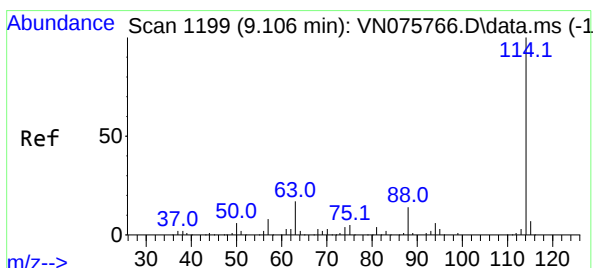
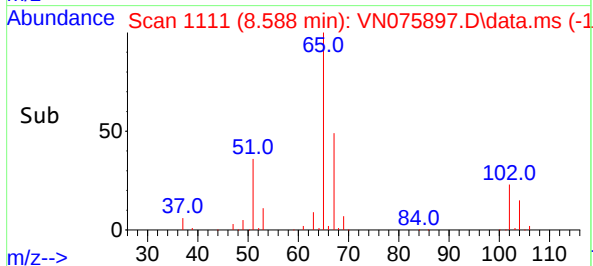
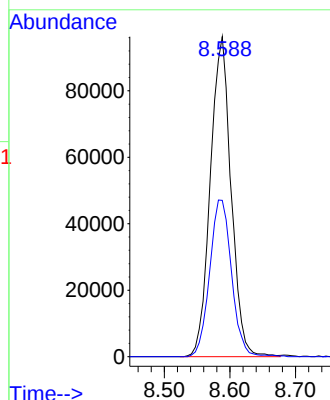
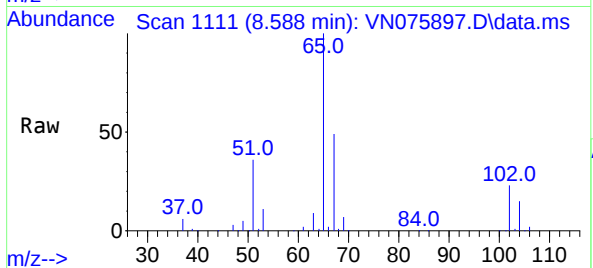
D8

Tgt Ion: 65 Resp: 211573

Ion Ratio Lower Upper

65 100

67 51.7 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: VN075897.D

Acq: 20 Dec 2022 14:35

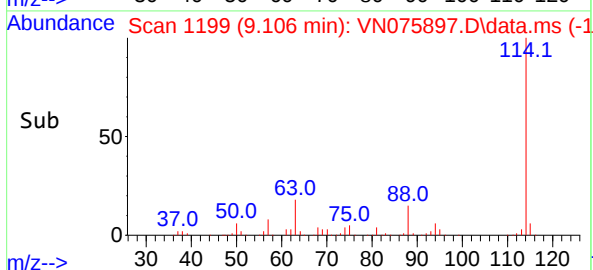
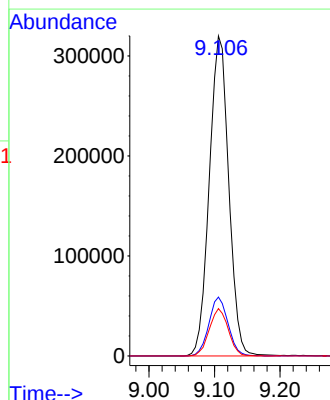
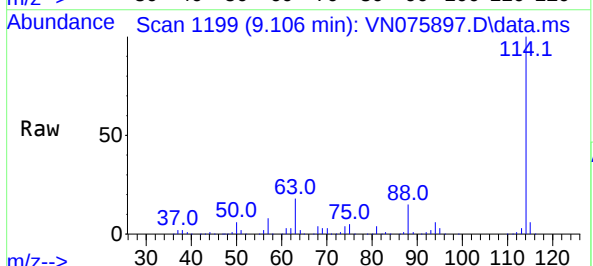
Tgt Ion: 114 Resp: 658771

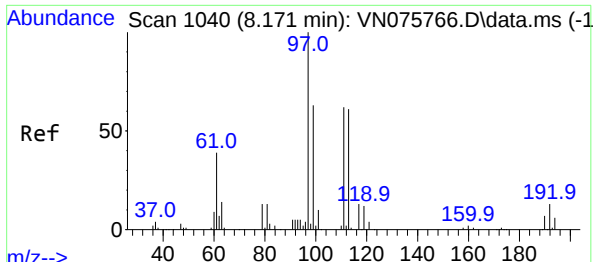
Ion Ratio Lower Upper

114 100

63 18.4 0.0 34.4

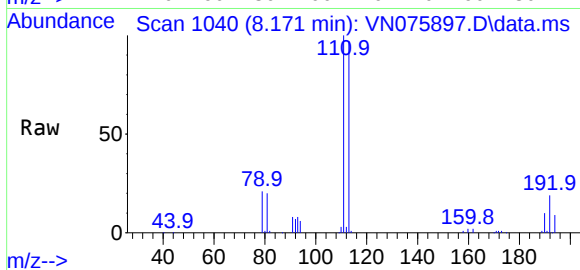
88 14.8 0.0 28.8



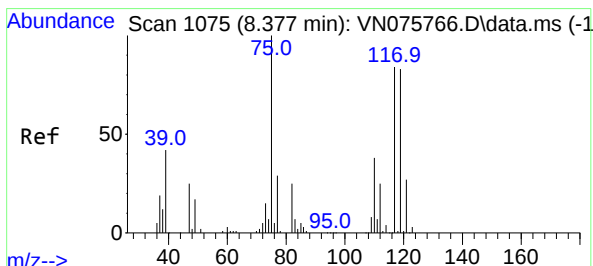
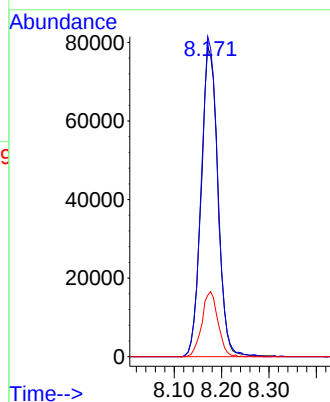
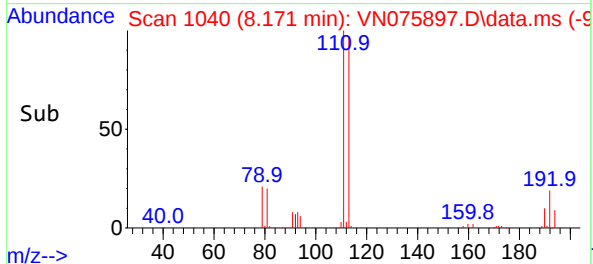


#35
Dibromofluoromethane
Concen: 47.465 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN075897.D
Acq: 20 Dec 2022 14:35

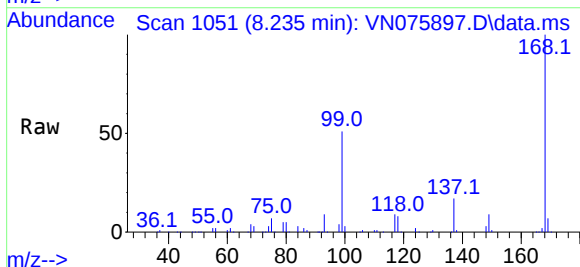
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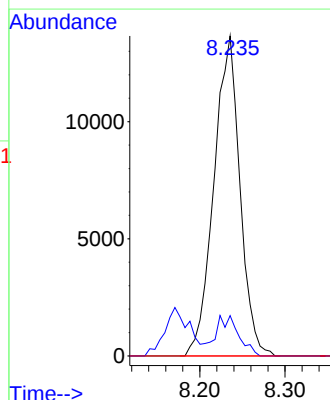
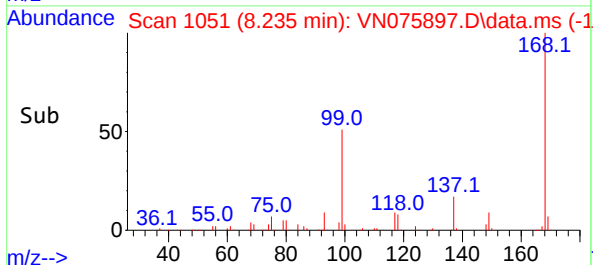
Tgt Ion:113 Resp: 193642
Ion Ratio Lower Upper
113 100
111 101.4 83.4 125.2
192 20.2 16.1 24.1

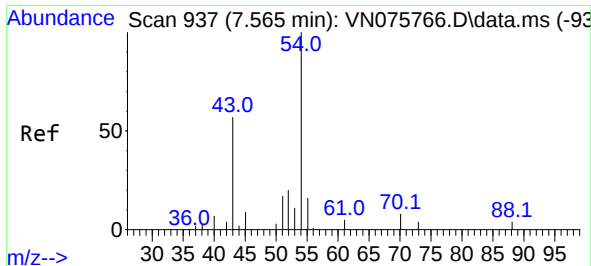


#36
1,1-Dichloropropene
Concen: 5.357 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.141 min
Lab File: VN075897.D
Acq: 20 Dec 2022 14:35



Tgt Ion: 75 Resp: 29031
Ion Ratio Lower Upper
75 100
110 10.9 18.8 56.4#
77 0.0 24.1 36.1#

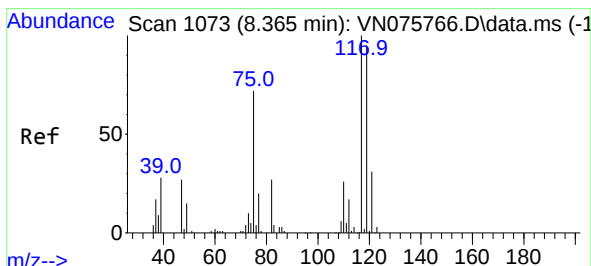
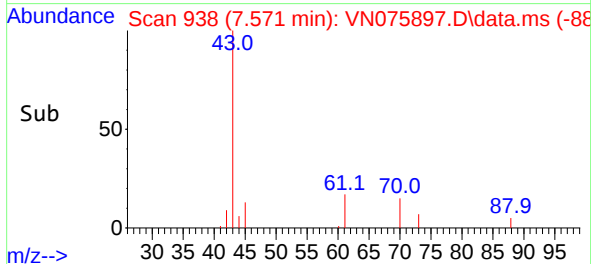
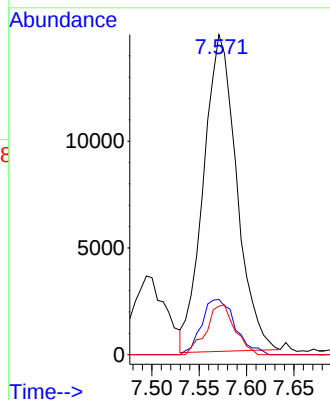
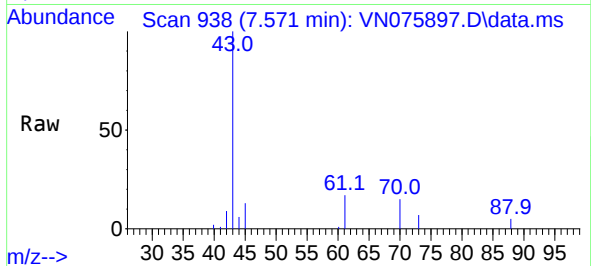




#37
Ethyl Acetate
Concen: 8.305 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN075897.D
Acq: 20 Dec 2022 14:35

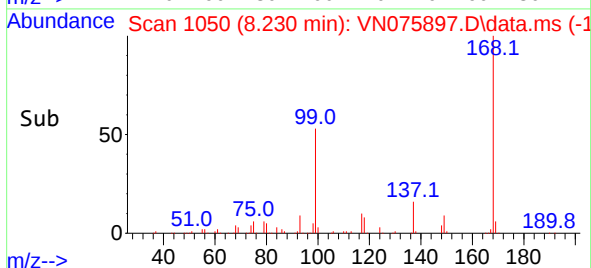
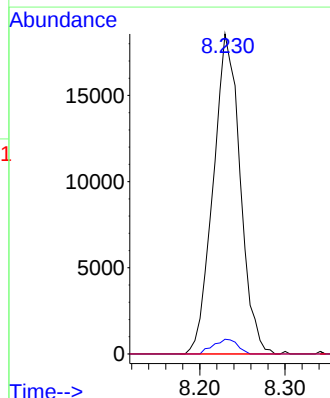
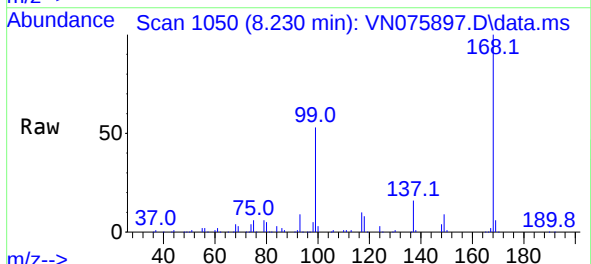
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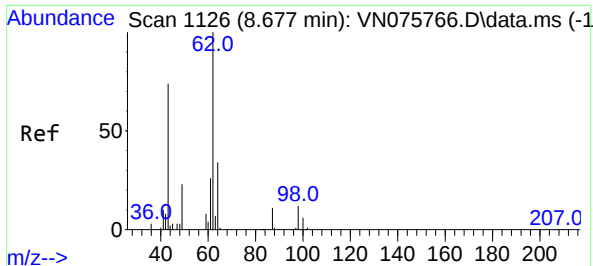
Tgt Ion: 43 Resp: 36154
Ion Ratio Lower Upper
43 100
61 17.7 13.0 19.4
70 13.5 9.4 14.0



#38
Carbon Tetrachloride
Concen: 6.733 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN075897.D
Acq: 20 Dec 2022 14:35

Tgt Ion: 117 Resp: 40838
Ion Ratio Lower Upper
117 100
119 4.6 76.1 114.1#
121 0.0 24.5 36.7#

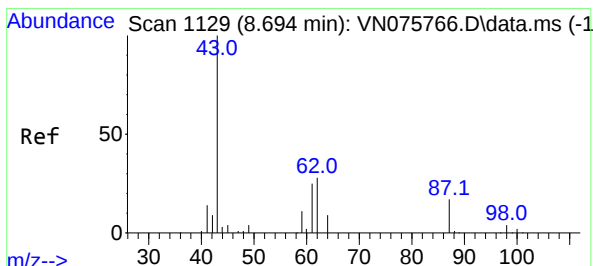
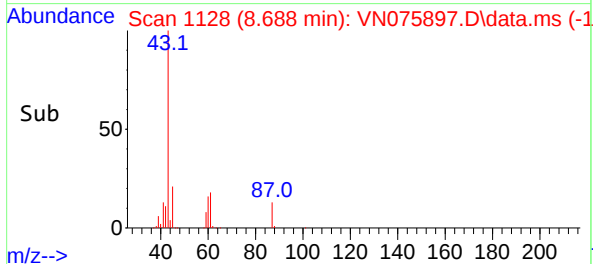
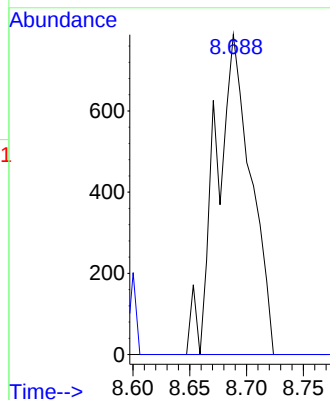
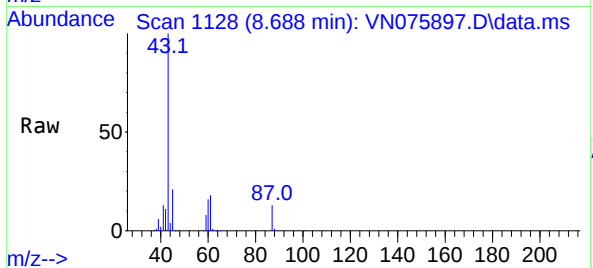




#42
1,2-Dichloroethane
Concen: 0.307 ug/l
RT: 8.688 min Scan# 1126
Delta R.T. 0.012 min
Lab File: VN075897.D
Acq: 20 Dec 2022 14:35

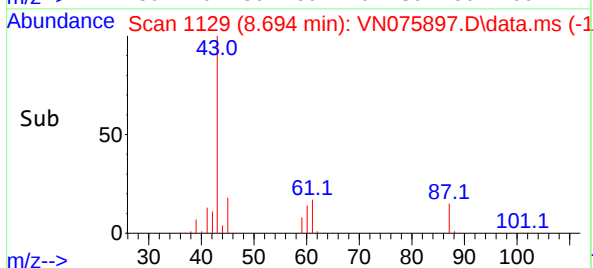
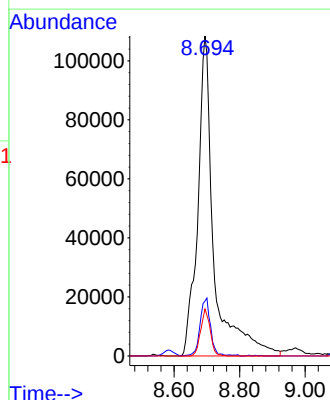
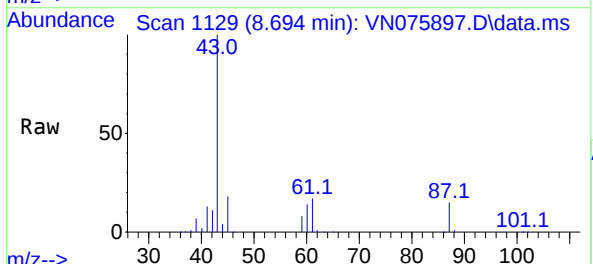
Instrument :
MSVOA_N
ClientSampleId :
D8

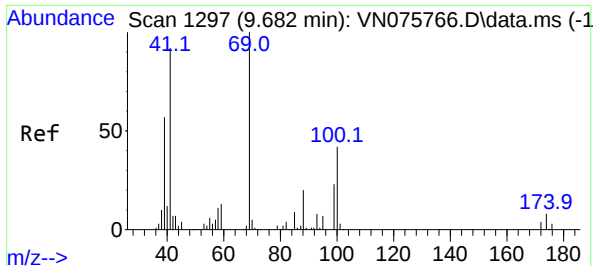
Tgt Ion: 62 Resp: 1704
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.8



#43
Isopropyl Acetate
Concen: 51.881 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VN075897.D
Acq: 20 Dec 2022 14:35

Tgt Ion: 43 Resp: 372549
Ion Ratio Lower Upper
43 100
61 11.6 24.2 36.4#
87 8.6 13.3 19.9#

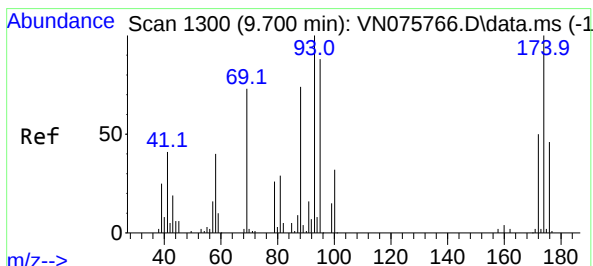
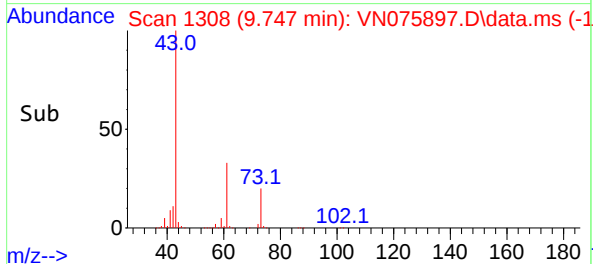
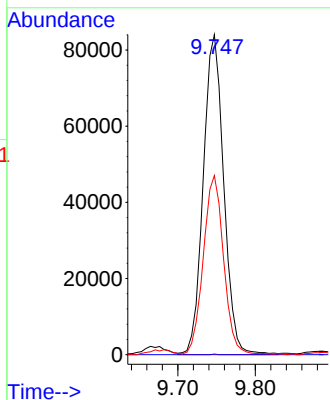
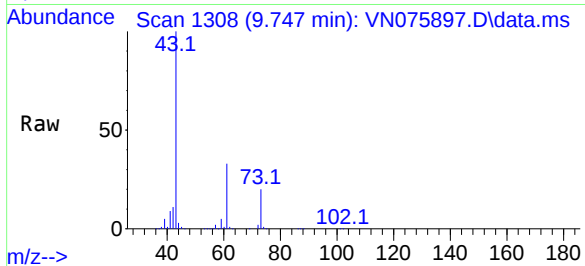




#48
Methyl methacrylate
Concen: 47.677 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.065 min
Lab File: VN075897.D
Acq: 20 Dec 2022 14:35

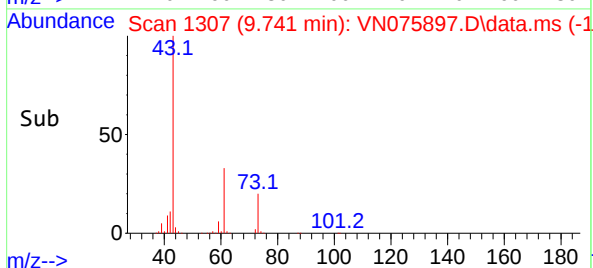
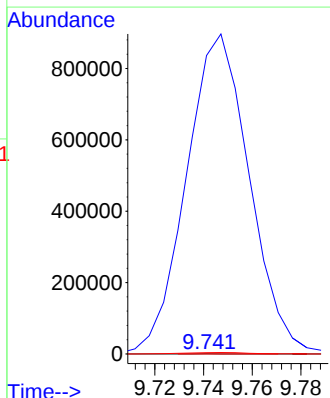
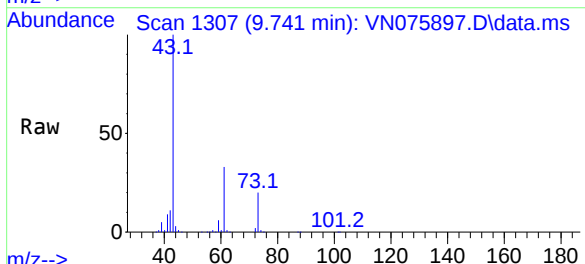
Instrument :
MSVOA_N
ClientSampleId :
D8

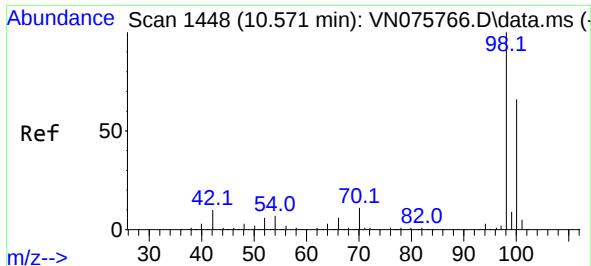
Tgt Ion: 41 Resp: 154197
Ion Ratio Lower Upper
41 100
69 0.0 81.9 122.9#
39 55.7 51.6 77.4



#49
1,4-Dioxane
Concen: 3.421 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.041 min
Lab File: VN075897.D
Acq: 20 Dec 2022 14:35

Tgt Ion: 88 Resp: 272
Ion Ratio Lower Upper
88 100
43 597690.1 17.1 25.7#
58 2682.0 47.8 71.8#

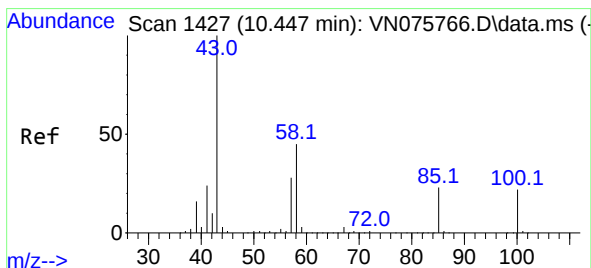
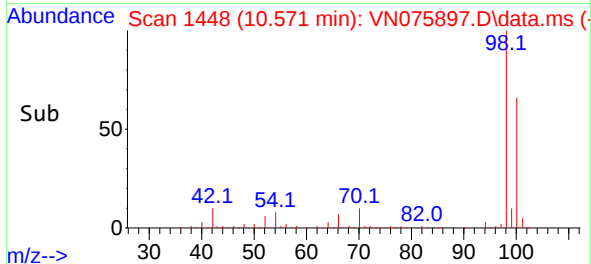
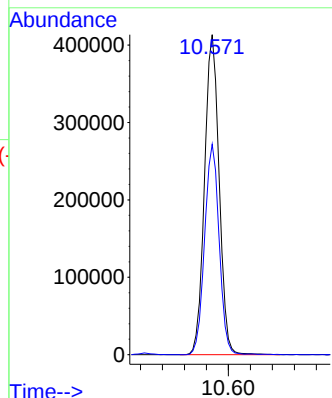
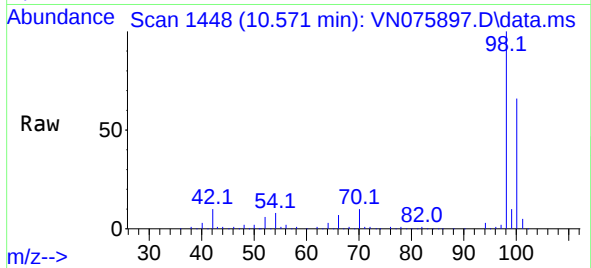




#50
Toluene-d8
Concen: 49.927 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN075897.D
Acq: 20 Dec 2022 14:35

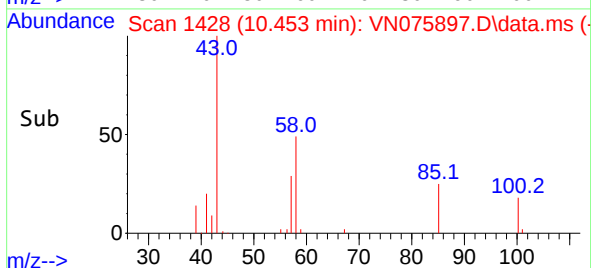
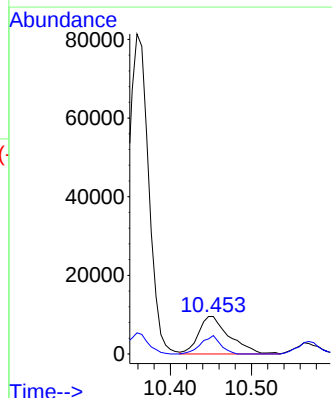
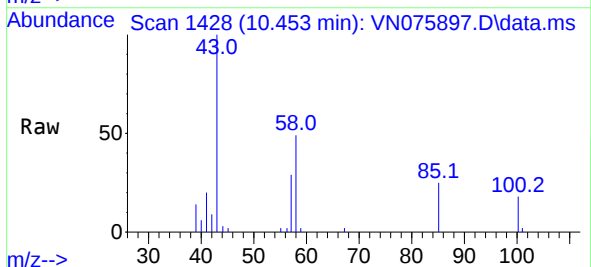
Instrument :
MSVOA_N
ClientSampleId :
D8

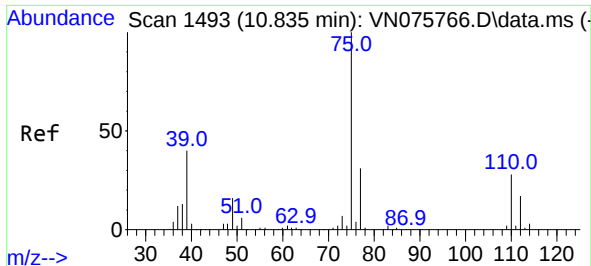
Tgt Ion: 98 Resp: 761562
Ion Ratio Lower Upper
98 100
100 65.3 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 5.799 ug/l
RT: 10.453 min Scan# 1428
Delta R.T. 0.006 min
Lab File: VN075897.D
Acq: 20 Dec 2022 14:35

Tgt Ion: 43 Resp: 25182
Ion Ratio Lower Upper
43 100
58 31.0 35.5 53.3#

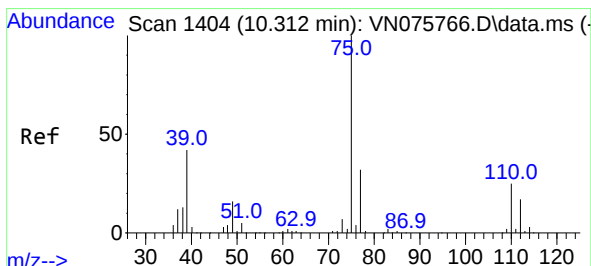
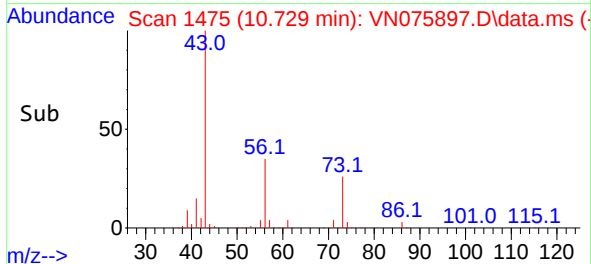
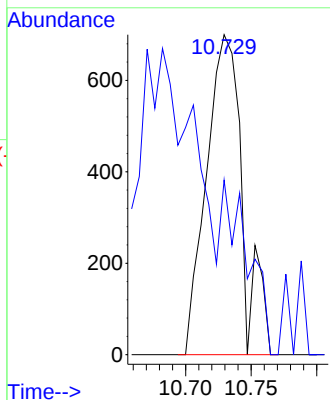
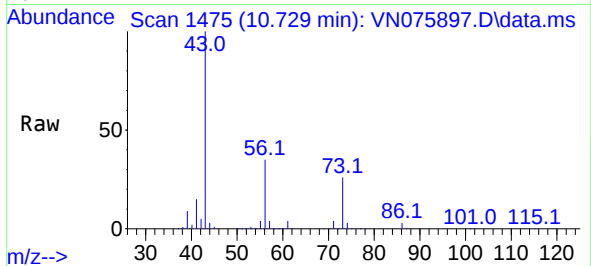




#53
t-1,3-Dichloropropene
Concen: 0.230 ug/l
RT: 10.729 min Scan# 1412
Delta R.T. -0.106 min
Lab File: VN075897.D
Acq: 20 Dec 2022 14:35

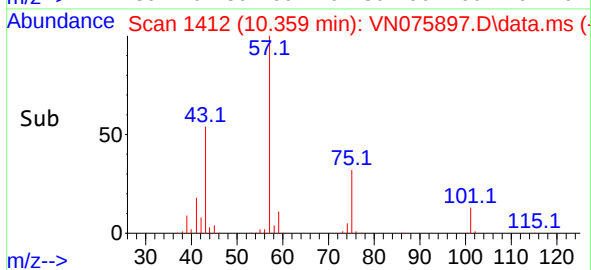
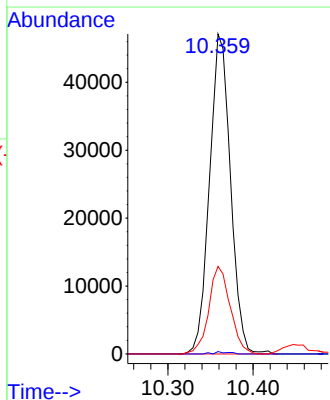
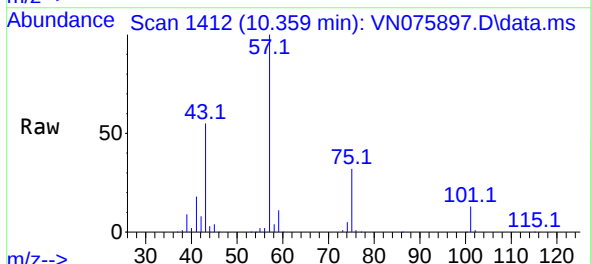
Instrument :
MSVOA_N
ClientSampleId :
D8

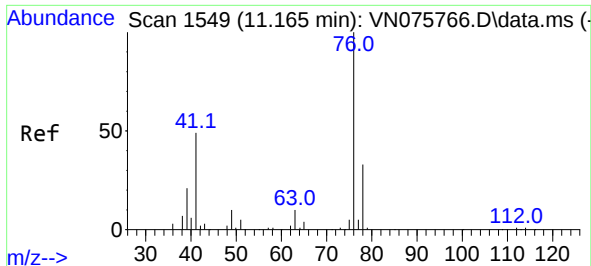
Tgt Ion: 75 Resp: 1335
Ion Ratio Lower Upper
75 100
77 54.6 24.9 37.3#



#54
cis-1,3-Dichloropropene
Concen: 12.664 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. 0.047 min
Lab File: VN075897.D
Acq: 20 Dec 2022 14:35

Tgt Ion: 75 Resp: 80552
Ion Ratio Lower Upper
75 100
77 0.8 25.8 38.8#
39 27.4 33.4 50.2#





#57

1,3-Dichloropropane

Concen: 1.497 ug/l

RT: 11.206 min Scan# 1556

Delta R.T. 0.041 min

Lab File: VN075897.D

Acq: 20 Dec 2022 14:35

Instrument :

MSVOA_N

ClientSampleId :

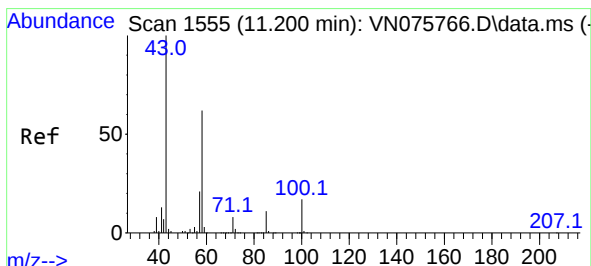
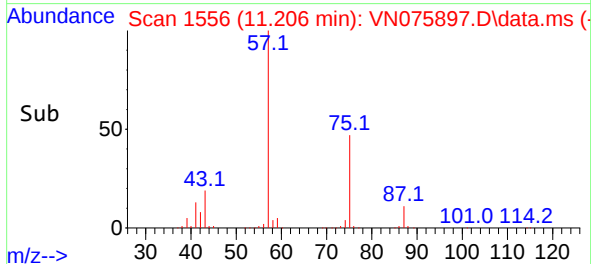
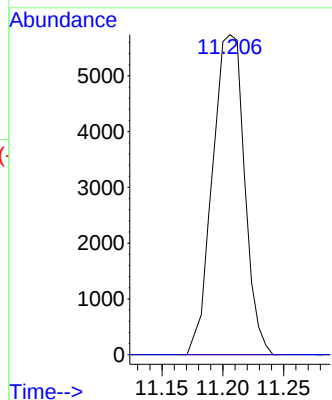
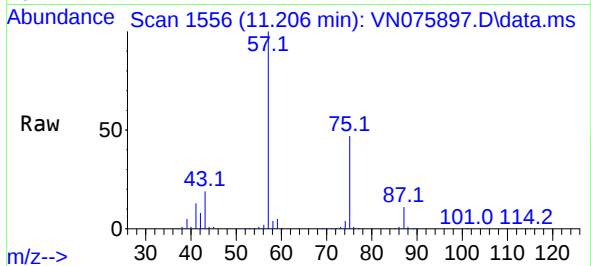
D8

Tgt Ion: 76 Resp: 10496

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#



#59

2-Hexanone

Concen: 47.623 ug/l

RT: 11.176 min Scan# 1551

Delta R.T. -0.024 min

Lab File: VN075897.D

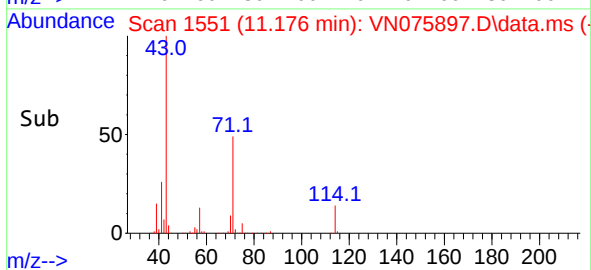
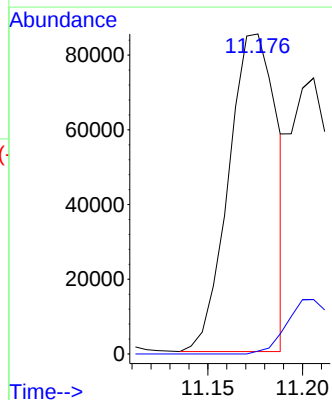
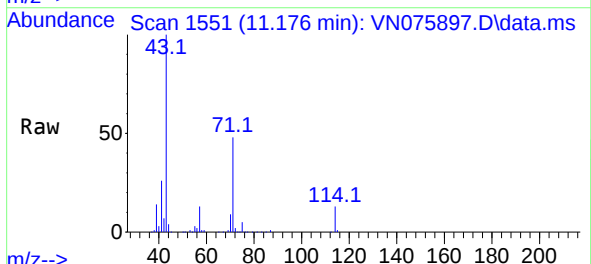
Acq: 20 Dec 2022 14:35

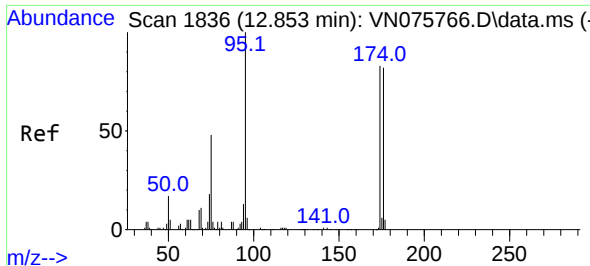
Tgt Ion: 43 Resp: 150819

Ion Ratio Lower Upper

43 100

58 0.0 30.6 92.0#

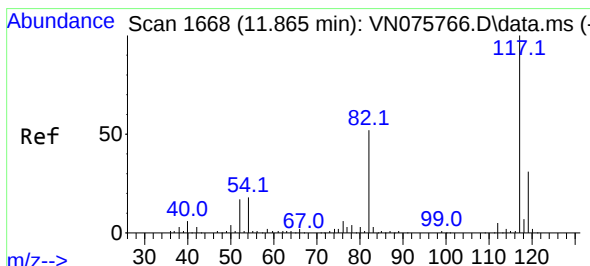
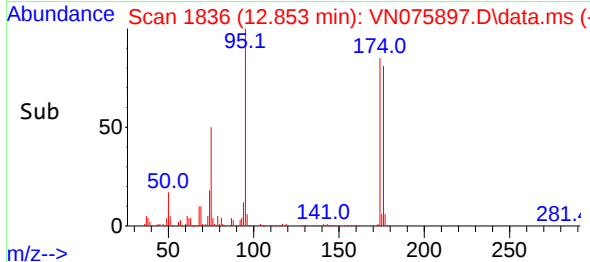
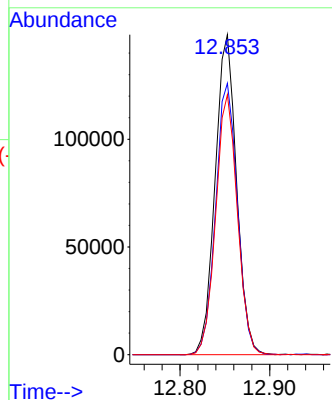
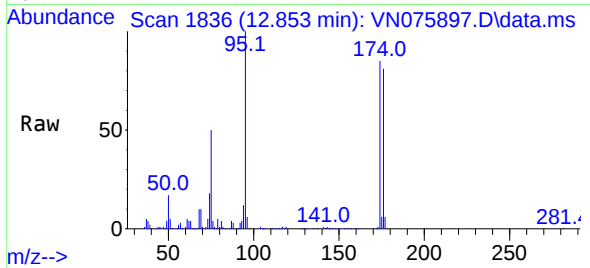




#62
4-Bromofluorobenzene
Concen: 48.697 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN075897.D
Acq: 20 Dec 2022 14:35

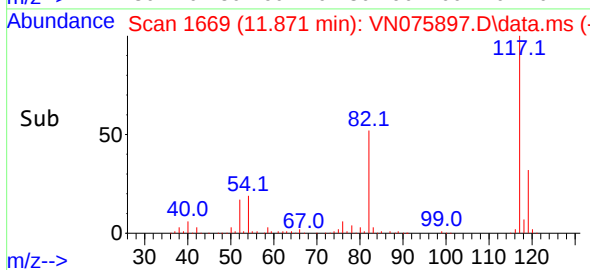
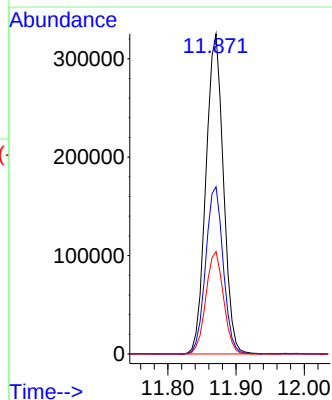
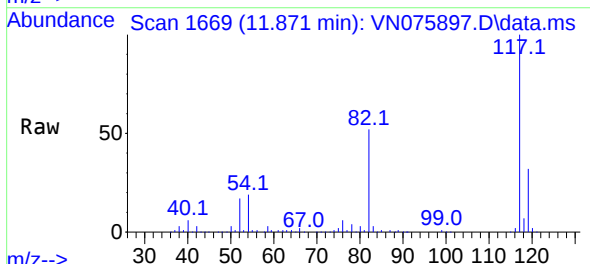
Instrument :
MSVOA_N
ClientSampleId :
D8

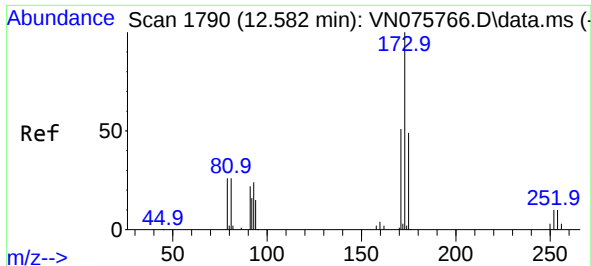
Tgt Ion: 95 Resp: 246020
Ion Ratio Lower Upper
95 100
174 86.3 0.0 171.6
176 82.1 0.0 169.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN075897.D
Acq: 20 Dec 2022 14:35

Tgt Ion: 117 Resp: 581134
Ion Ratio Lower Upper
117 100
82 52.2 41.3 61.9
119 32.0 24.6 37.0

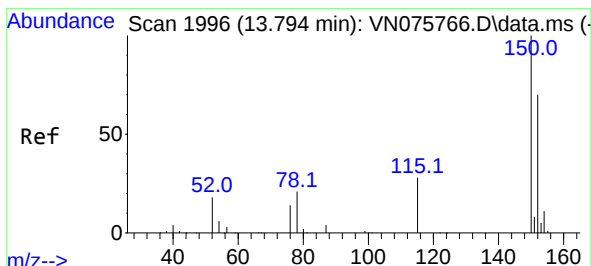
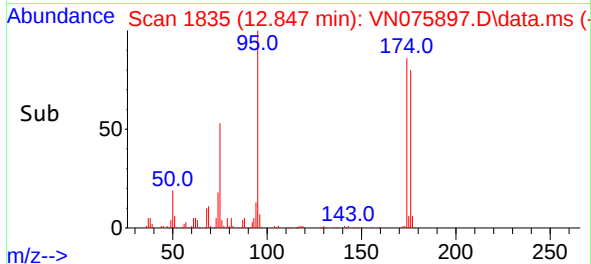
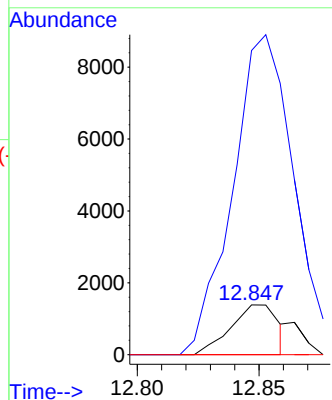
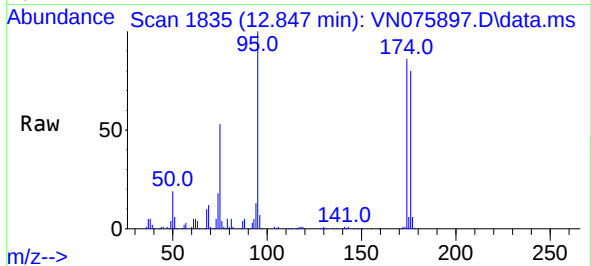




#71
Bromoform
Concen: 0.586 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN075897.D
Acq: 20 Dec 2022 14:35

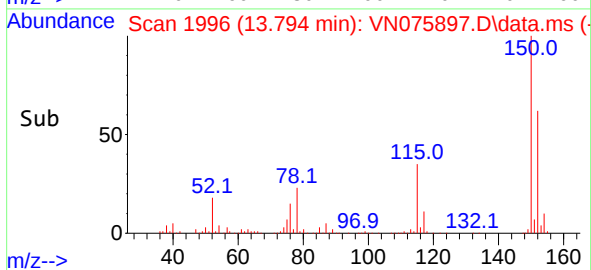
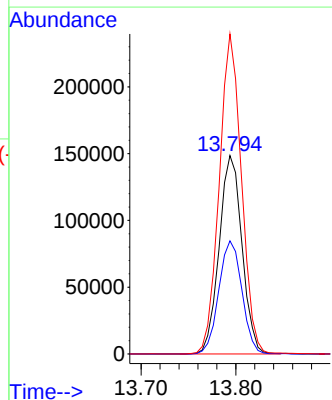
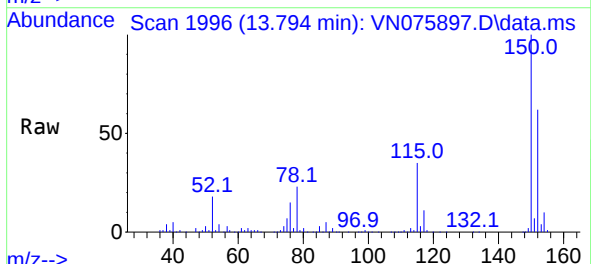
Instrument :
MSVOA_N
ClientSampleId :
D8

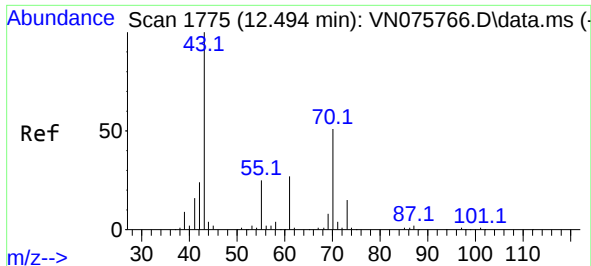
Tgt Ion:173 Resp: 1884
Ion Ratio Lower Upper
173 100
175 664.3 24.3 72.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075897.D
Acq: 20 Dec 2022 14:35

Tgt Ion:152 Resp: 248968
Ion Ratio Lower Upper
152 100
115 57.7 29.1 87.4
150 157.0 0.0 347.0

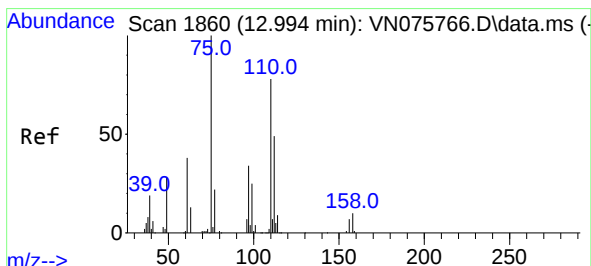
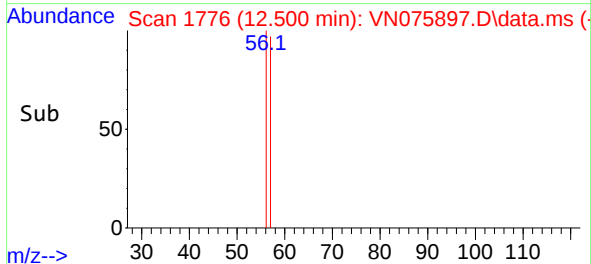
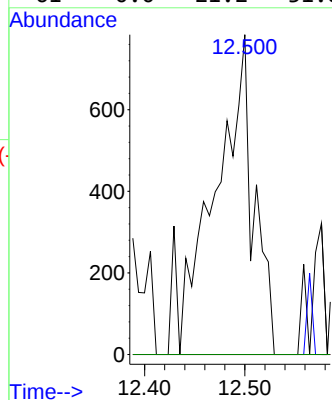
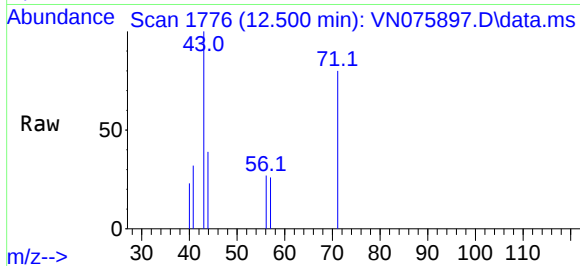




#74
N-amy1 acetate
Concen: 0.388 ug/l
RT: 12.500 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN075897.D
Acq: 20 Dec 2022 14:35

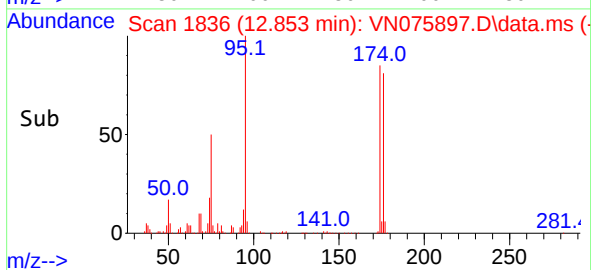
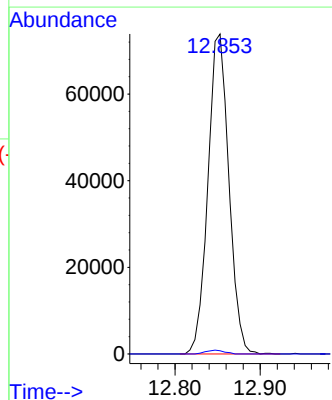
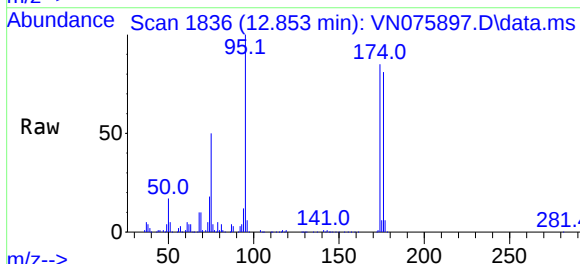
Instrument :
MSVOA_N
ClientSampleId :
D8

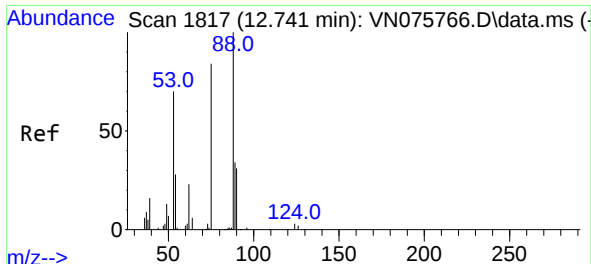
Tgt Ion: 43	Resp:	2048
Ion	Ratio	Lower Upper
43	100	
70	0.0	41.4 62.0#
55	0.0	21.3 31.9#
61	0.0	21.2 31.8#



#76
1,2,3-Trichloropropane
Concen: 25.129 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075897.D
Acq: 20 Dec 2022 14:35

Tgt Ion: 75	Resp:	126114
Ion	Ratio	Lower Upper
75	100	
77	1.1	82.6 247.8#

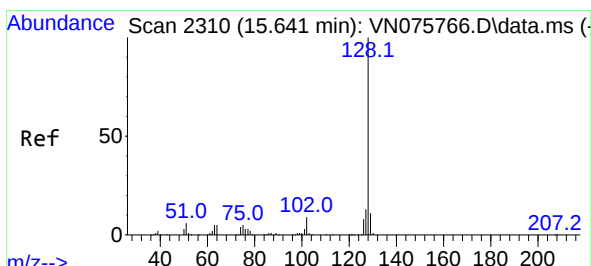
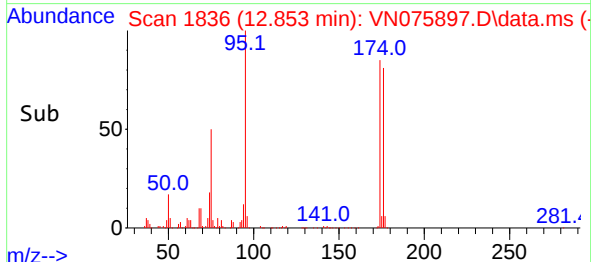
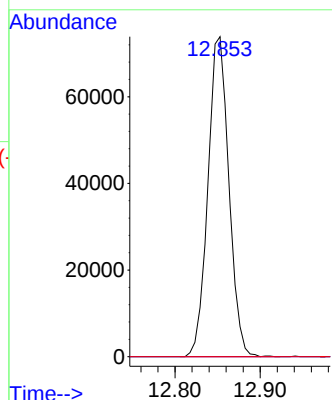
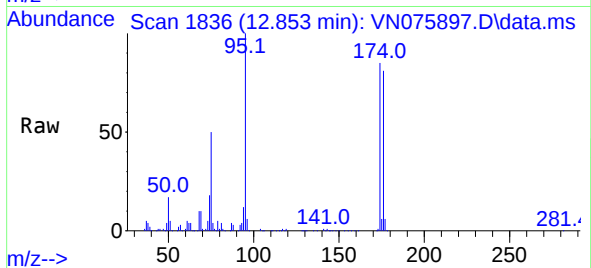




#81
trans-1,4-Dichloro-2-butene
Concen: 90.453 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN075897.D
Acq: 20 Dec 2022 14:35

Instrument :
MSVOA_N
ClientSampleId :
D8

Tgt Ion: 75 Resp: 126114
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#



#95
Naphthalene
Concen: 2.287 ug/l
RT: 15.647 min Scan# 2311
Delta R.T. 0.006 min
Lab File: VN075897.D
Acq: 20 Dec 2022 14:35

Tgt Ion:128 Resp: 1545
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.7 13.1#

