

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010423\
 Data File : VN076080.D
 Acq On : 04 Jan 2023 14:41
 Operator : JC\MD
 Sample : PB150013ZHE#01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB150013ZHE#01

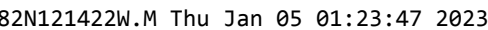
Quant Time: Jan 05 01:23:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

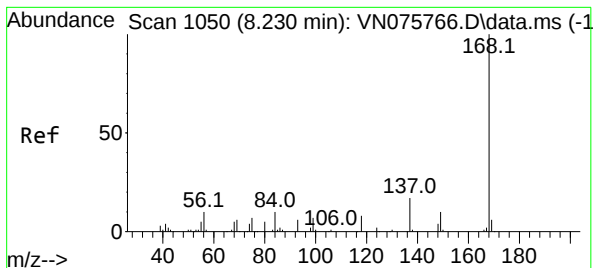
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	342574	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	549882	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	498453	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	209321	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	184006	49.373	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.740%		
35) Dibromofluoromethane	8.171	113	164242	48.231	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.460%		
50) Toluene-d8	10.571	98	651741	51.188	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	102.380%		
62) 4-Bromofluorobenzene	12.853	95	209273	49.626	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.260%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.512	59	486	0.922	ug/l #	72
16) Acetone	4.447	43	41610	32.388	ug/l	99
18) Methyl Acetate	5.053	43	2334	0.615	ug/l #	63
20) Methylene Chloride	5.294	84	9999	2.298	ug/l	95
25) 2-Butanone	7.494	43	10122	5.627	ug/l	90
31) Cyclohexane	8.235	56	6680	1.252	ug/l #	14
36) 1,1-Dichloropropene	8.230	75	24188	5.347	ug/l #	50
37) Ethyl Acetate	7.571	43	30733	8.458	ug/l #	90
38) Carbon Tetrachloride	8.235	117	34700	6.854	ug/l #	16
42) 1,2-Dichloroethane	8.682	62	1131	0.244	ug/l #	72
43) Isopropyl Acetate	8.694	43	186416	31.101	ug/l #	81
45) 1,2-Dichloropropane	9.747	63	1982	0.584	ug/l #	43
48) Methyl methacrylate	9.665	41	4493	1.664	ug/l #	33
49) 1,4-Dioxane	9.706	88	65	0.979	ug/l #	30
51) 4-Methyl-2-Pentanone	10.447	43	14853	4.098	ug/l #	75
53) t-1,3-Dichloropropene	10.729	75	1054	0.218	ug/l #	53
54) cis-1,3-Dichloropropene	10.365	75	60998	11.489	ug/l #	65
56) Ethyl methacrylate	10.988	69	1477	0.312	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	8749	1.495	ug/l #	42
59) 2-Hexanone	11.176	43	115635	43.743	ug/l #	20
71) Bromoform	12.853	173	1572	0.570	ug/l #	1
74) N-amyl acetate	12.494	43	1834	0.413	ug/l #	39
76) 1,2,3-Trichloropropane	12.853	75	107784	25.545	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	107784	91.949	ug/l #	12
95) Naphthalene	15.647	128	2299	2.371	ug/l #	75

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

Quant Time: Jan 05 01:23:38 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

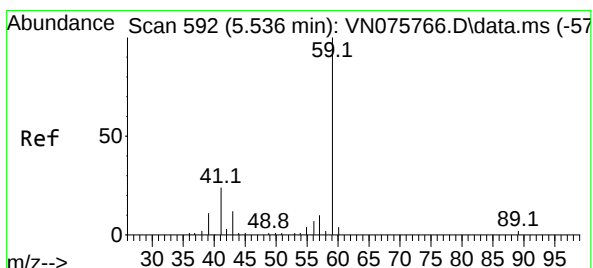
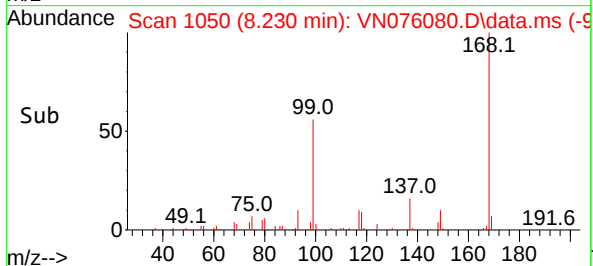
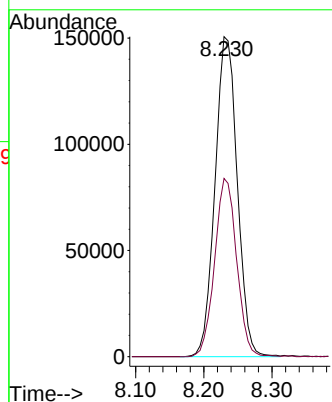
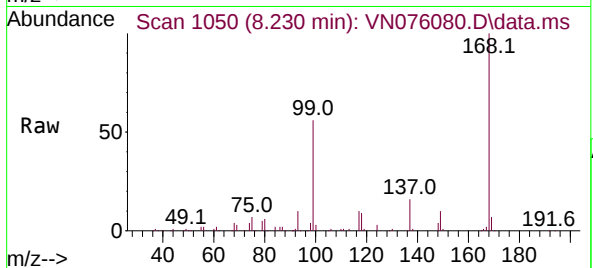




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN076080.D
Acq: 04 Jan 2023 14:41

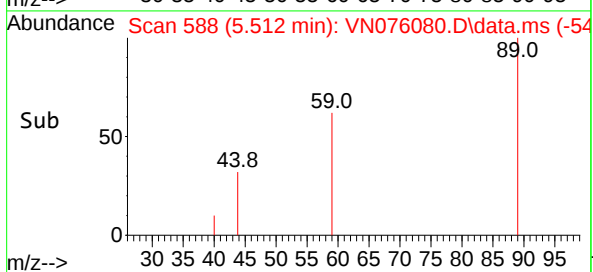
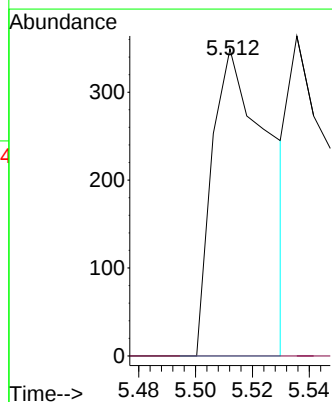
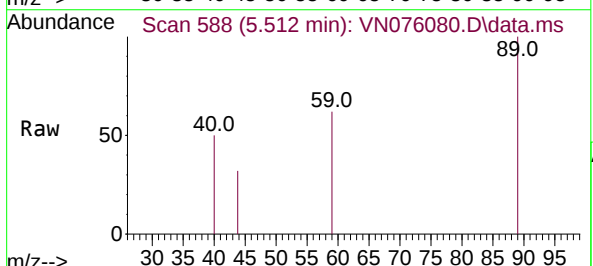
Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#01

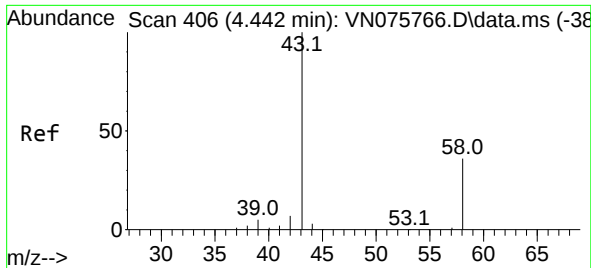
Tgt Ion:168 Resp: 342574
Ion Ratio Lower Upper
168 100
99 55.7 44.2 66.4



#11
Tert butyl alcohol
Concen: 0.922 ug/l
RT: 5.512 min Scan# 588
Delta R.T. -0.024 min
Lab File: VN076080.D
Acq: 04 Jan 2023 14:41

Tgt Ion: 59 Resp: 486
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#16

Acetone

Concen: 32.388 ug/l

RT: 4.447 min Scan# 406

Delta R.T. 0.006 min

Lab File: VN076080.D

Acq: 04 Jan 2023 14:41

Instrument :

MSVOA_N

ClientSampleId :

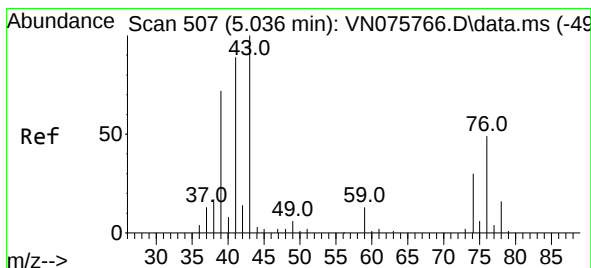
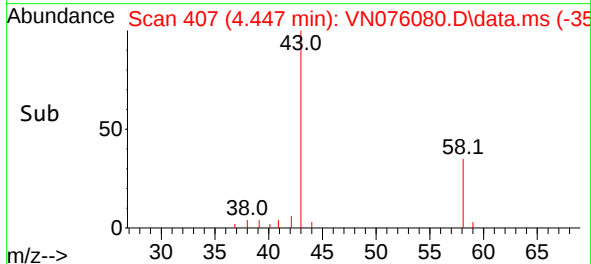
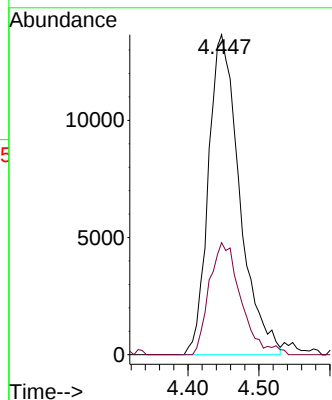
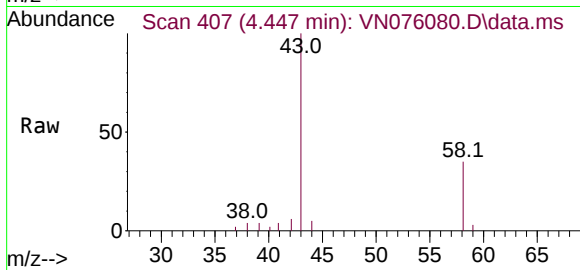
PB150013ZHE#01

Tgt Ion: 43 Resp: 41610

Ion Ratio Lower Upper

43 100

58 35.0 28.6 43.0



#18

Methyl Acetate

Concen: 0.615 ug/l

RT: 5.053 min Scan# 510

Delta R.T. 0.018 min

Lab File: VN076080.D

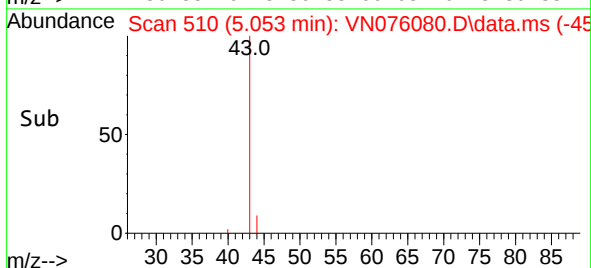
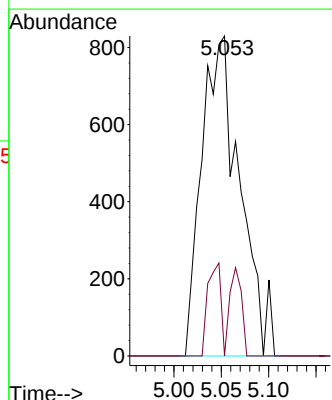
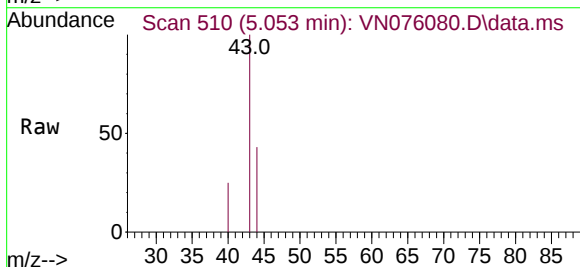
Acq: 04 Jan 2023 14:41

Tgt Ion: 43 Resp: 2334

Ion Ratio Lower Upper

43 100

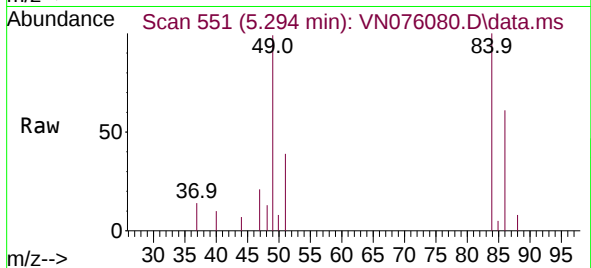
74 9.8 23.6 35.4#



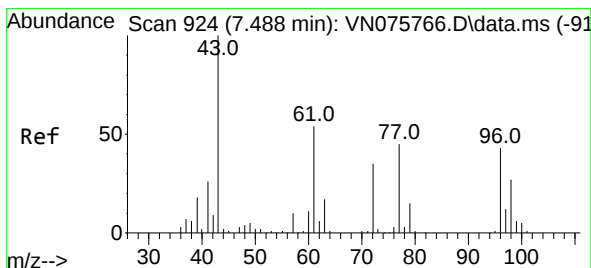
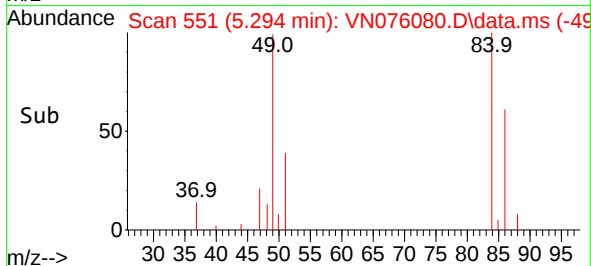
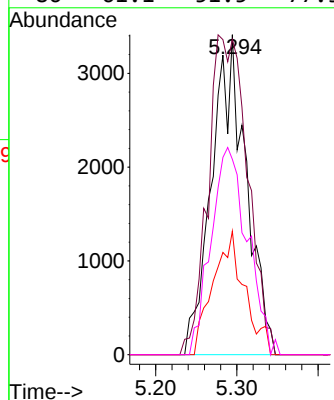


#20
Methylene Chloride
Concen: 2.298 ug/l
RT: 5.294 min Scan# 51
Delta R.T. 0.005 min
Lab File: VN076080.D
Acq: 04 Jan 2023 14:41

Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#01

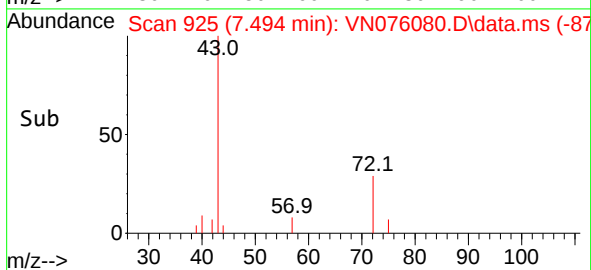
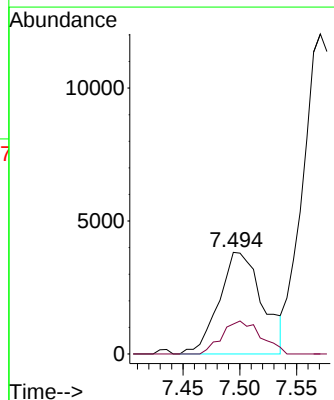
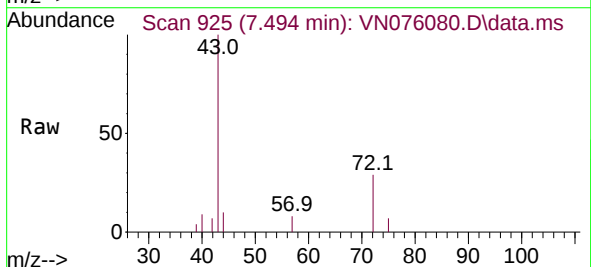


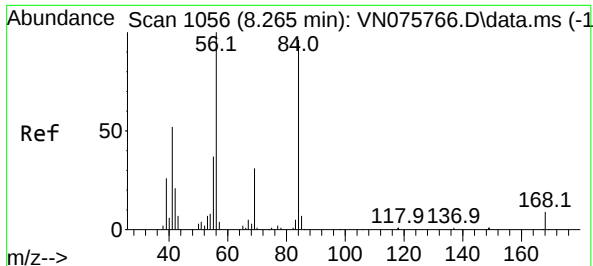
Tgt Ion:	84	Resp:	9999
Ion	Ratio	Lower	Upper
84	100		
49	98.5	81.8	122.6
51	38.6	26.7	40.1
86	61.1	51.5	77.3



#25
2-Butanone
Concen: 5.627 ug/l
RT: 7.494 min Scan# 925
Delta R.T. 0.006 min
Lab File: VN076080.D
Acq: 04 Jan 2023 14:41

Tgt Ion:	43	Resp:	10122
Ion	Ratio	Lower	Upper
43	100		
72	29.4	28.0	42.0





#31

Cyclohexane

Concen: 1.252 ug/l

RT: 8.235 min Scan# 1051

Delta R.T. -0.029 min

Lab File: VN076080.D

Acq: 04 Jan 2023 14:41

Instrument :

MSVOA_N

ClientSampleId :

PB150013ZHE#01

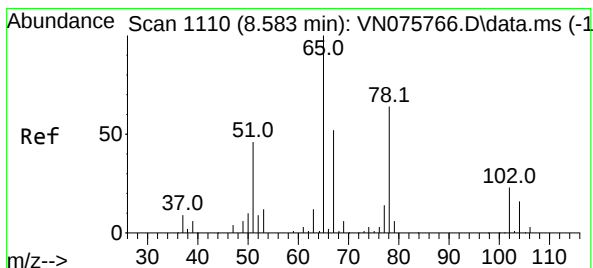
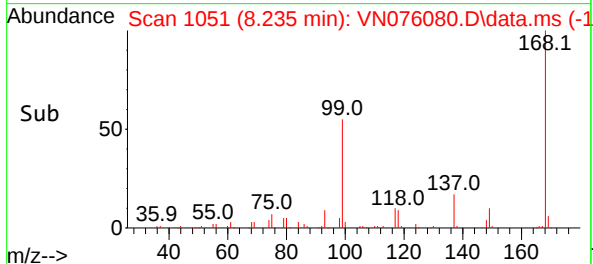
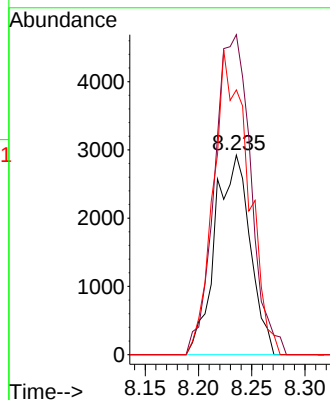
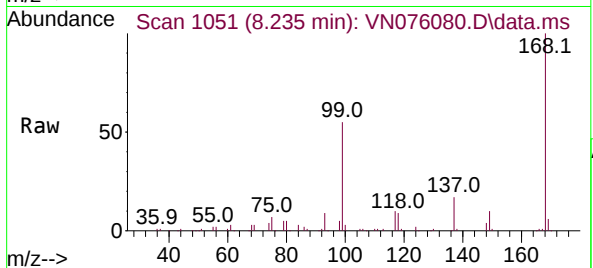
Tgt Ion: 56 Resp: 6680

Ion Ratio Lower Upper

56 100

69 160.4 24.7 37.1#

84 132.8 76.5 114.7#



#33

1,2-Dichloroethane-d4

Concen: 49.373 ug/l

RT: 8.588 min Scan# 1111

Delta R.T. 0.006 min

Lab File: VN076080.D

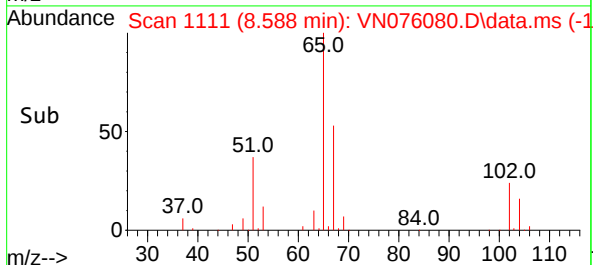
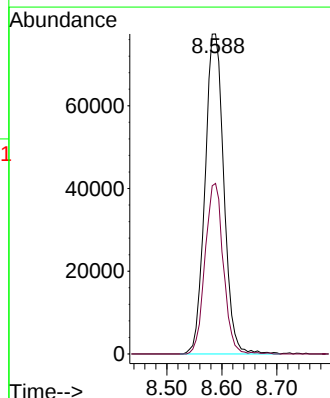
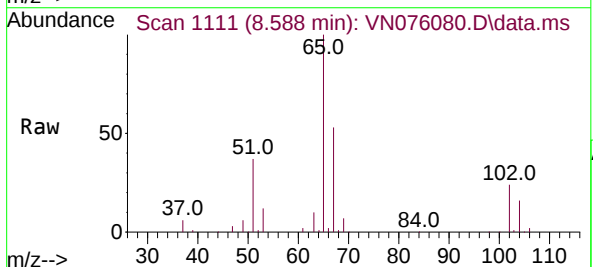
Acq: 04 Jan 2023 14:41

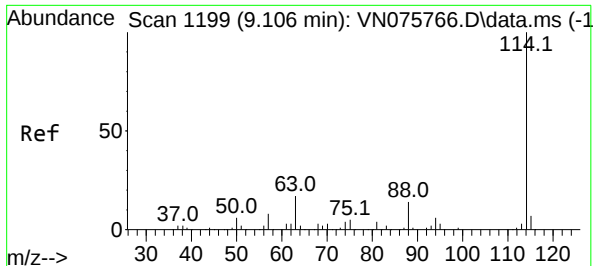
Tgt Ion: 65 Resp: 184006

Ion Ratio Lower Upper

65 100

67 51.4 0.0 103.4

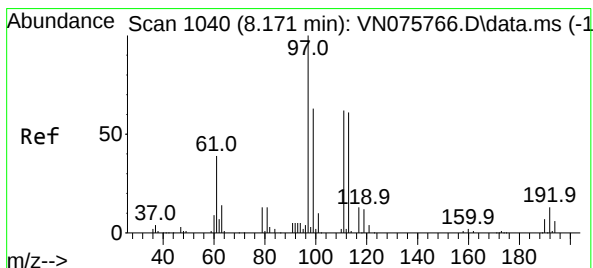
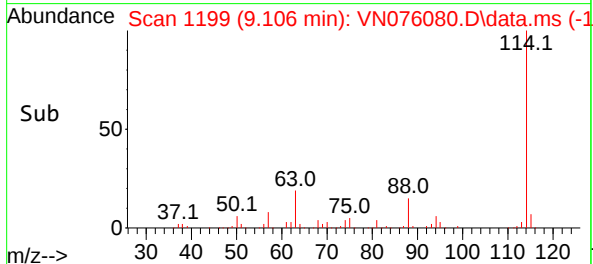
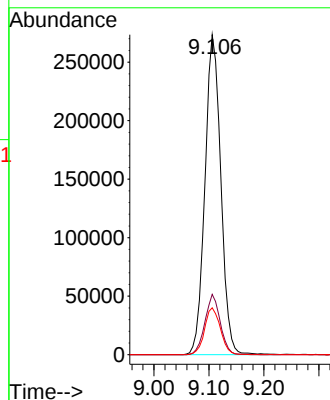
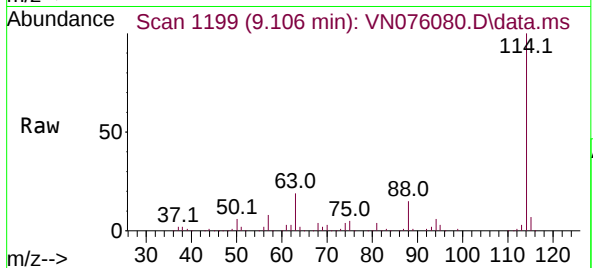




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN076080.D
Acq: 04 Jan 2023 14:41

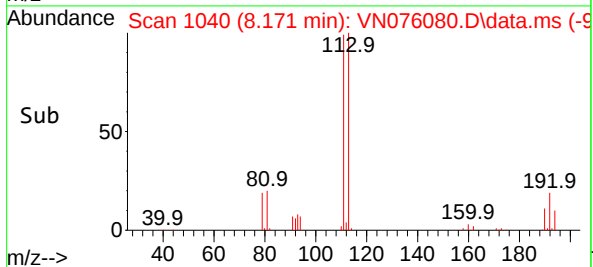
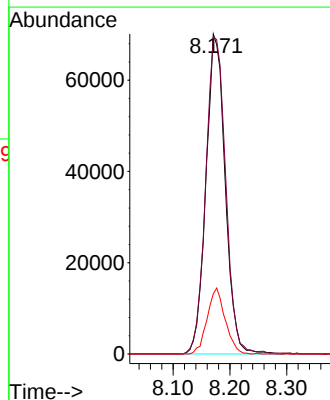
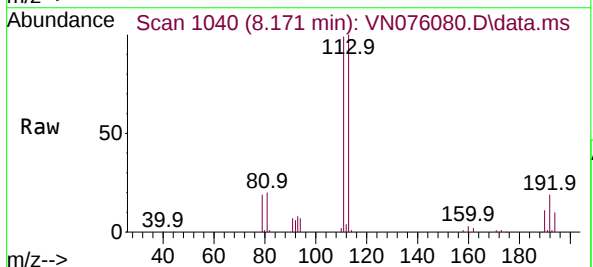
Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#01

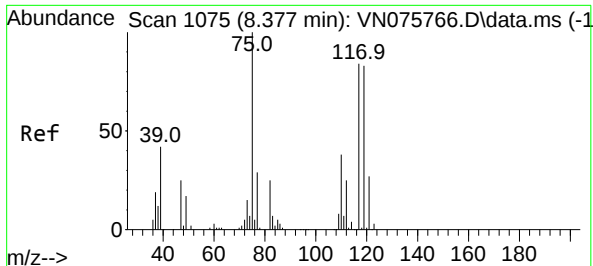
Tgt Ion:114 Resp: 549882
Ion Ratio Lower Upper
114 100
63 18.9 0.0 34.4
88 14.6 0.0 28.8



#35
Dibromofluoromethane
Concen: 48.231 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN076080.D
Acq: 04 Jan 2023 14:41

Tgt Ion:113 Resp: 164242
Ion Ratio Lower Upper
113 100
111 103.3 83.4 125.2
192 19.3 16.1 24.1





#36

1,1-Dichloropropene

Concen: 5.347 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN076080.D

Acq: 04 Jan 2023 14:41

Instrument :

MSVOA_N

ClientSampleId :

PB150013ZHE#01

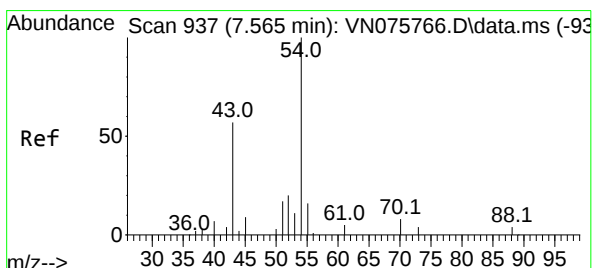
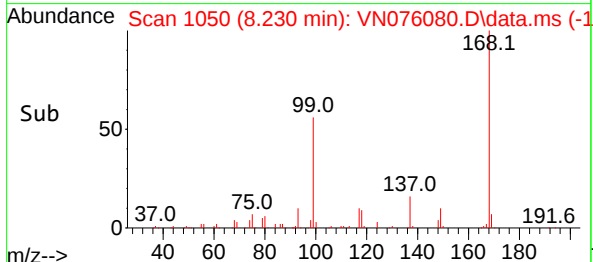
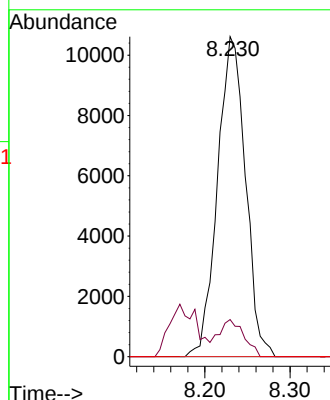
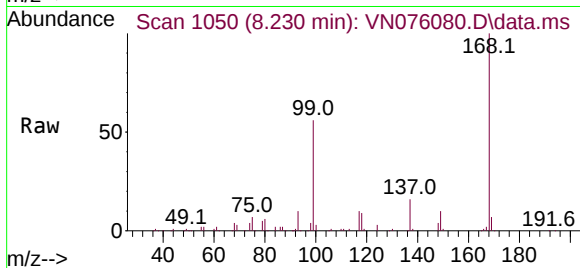
Tgt Ion: 75 Resp: 24188

Ion Ratio Lower Upper

75 100

110 10.4 18.8 56.4#

77 0.0 24.1 36.1#



#37

Ethyl Acetate

Concen: 8.458 ug/l

RT: 7.571 min Scan# 938

Delta R.T. 0.006 min

Lab File: VN076080.D

Acq: 04 Jan 2023 14:41

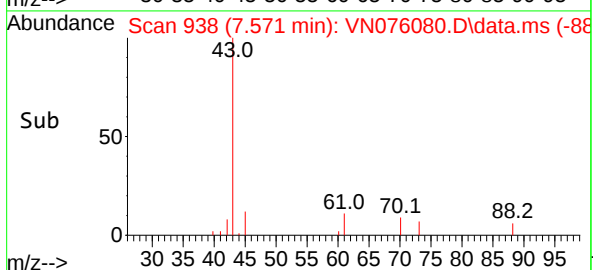
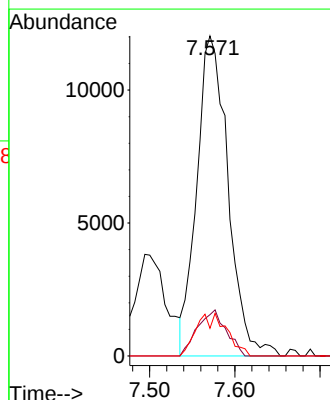
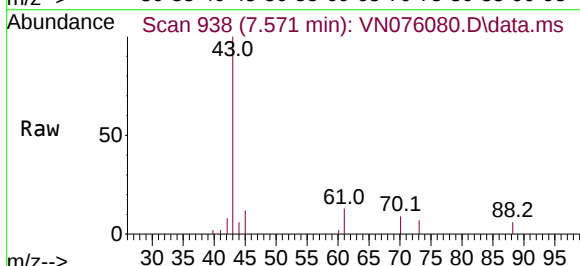
Tgt Ion: 43 Resp: 30733

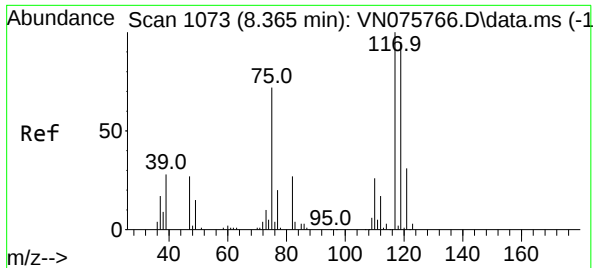
Ion Ratio Lower Upper

43 100

61 13.2 13.0 19.4

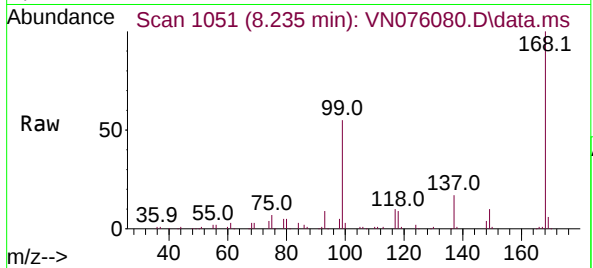
70 6.5 9.4 14.0#



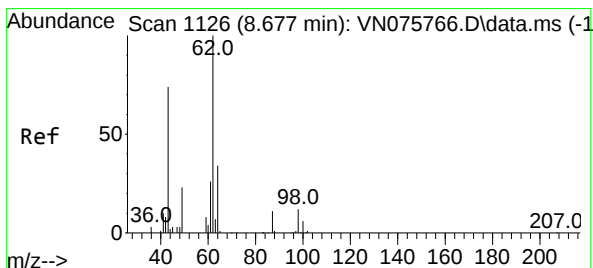
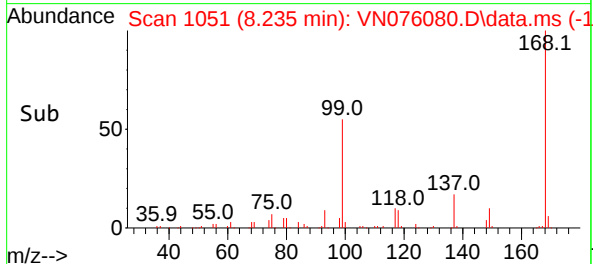
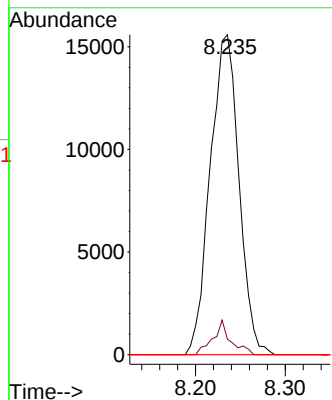


#38
Carbon Tetrachloride
Concen: 6.854 ug/l
RT: 8.235 min Scan# 110
Delta R.T. -0.129 min
Lab File: VN076080.D
Acq: 04 Jan 2023 14:41

Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#01

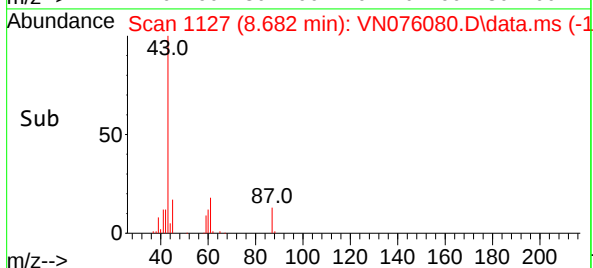
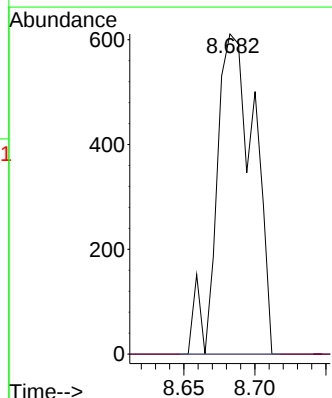
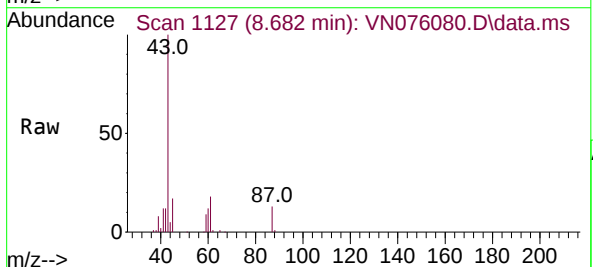


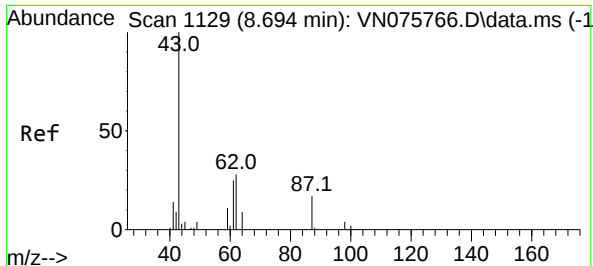
Tgt Ion:117 Resp: 34700
Ion Ratio Lower Upper
117 100
119 4.9 76.1 114.1#
121 0.0 24.5 36.7#



#42
1,2-Dichloroethane
Concen: 0.244 ug/l
RT: 8.682 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN076080.D
Acq: 04 Jan 2023 14:41

Tgt Ion: 62 Resp: 1131
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.8

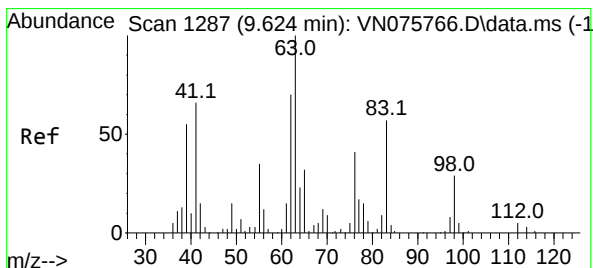
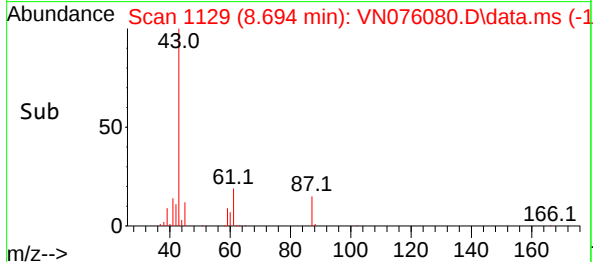
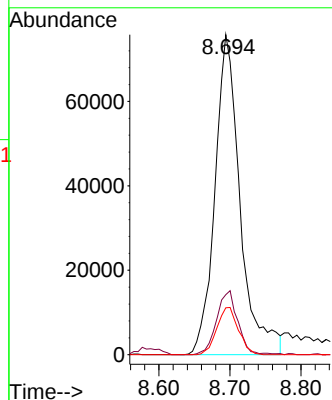
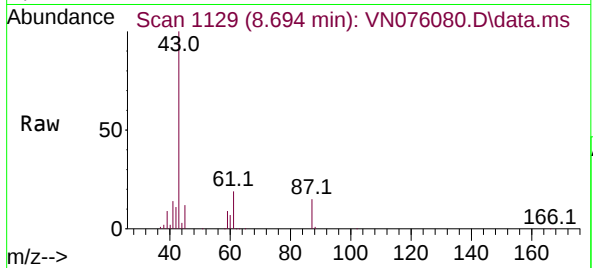




#43
Isopropyl Acetate
Concen: 31.101 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VN076080.D
Acq: 04 Jan 2023 14:41

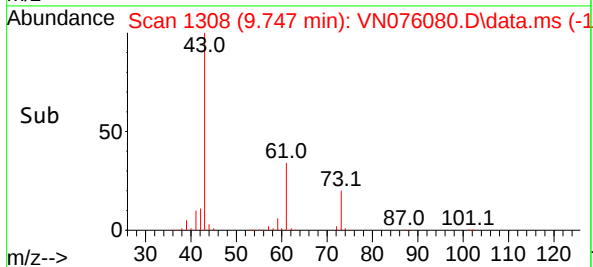
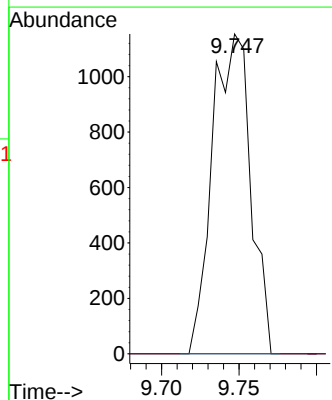
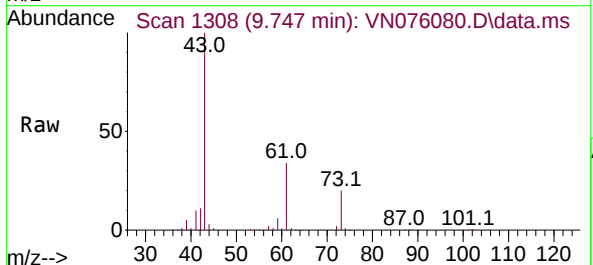
Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#01

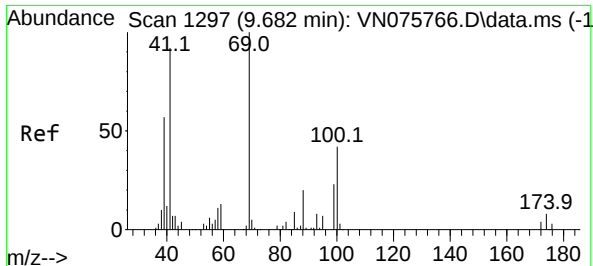
Tgt Ion: 43 Resp: 186416
Ion Ratio Lower Upper
43 100
61 16.8 24.2 36.4#
87 12.6 13.3 19.9#



#45
1,2-Dichloropropane
Concen: 0.584 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.123 min
Lab File: VN076080.D
Acq: 04 Jan 2023 14:41

Tgt Ion: 63 Resp: 1982
Ion Ratio Lower Upper
63 100
65 0.0 25.7 38.5#

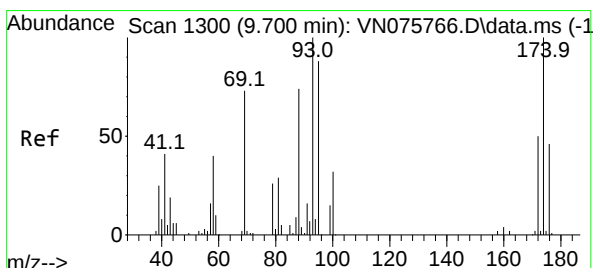
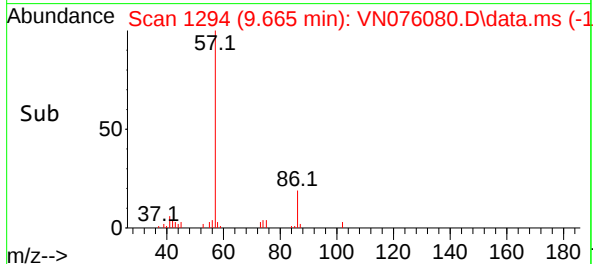
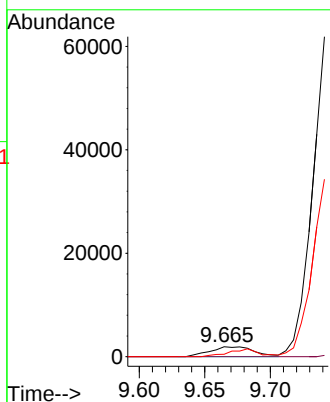
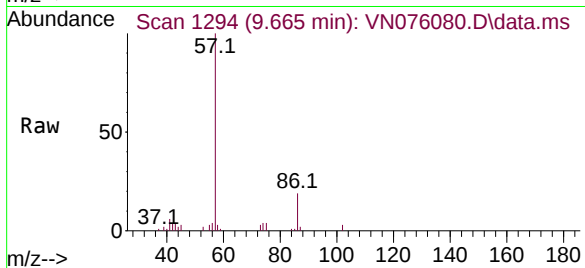




#48
Methyl methacrylate
Concen: 1.664 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN076080.D
Acq: 04 Jan 2023 14:41

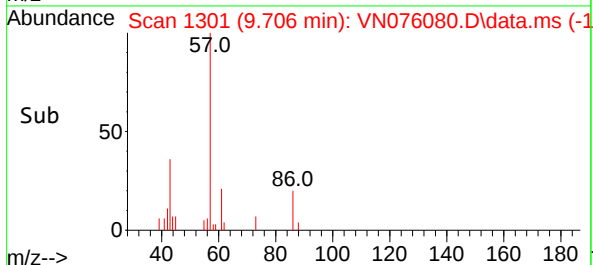
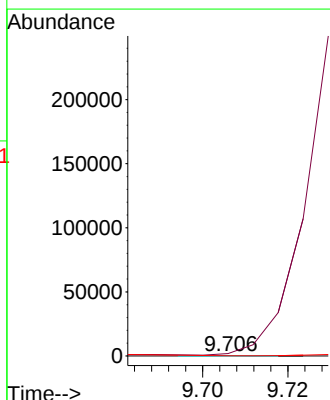
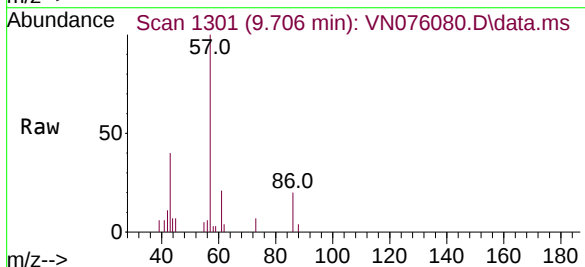
Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#01

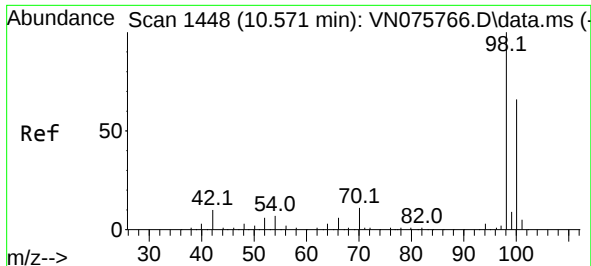
Tgt Ion: 41 Resp: 4493
Ion Ratio Lower Upper
41 100
69 0.0 81.9 122.9#
39 53.8 51.6 77.4



#49
1,4-Dioxane
Concen: 0.979 ug/l
RT: 9.706 min Scan# 1301
Delta R.T. 0.006 min
Lab File: VN076080.D
Acq: 04 Jan 2023 14:41

Tgt Ion: 88 Resp: 65
Ion Ratio Lower Upper
88 100
43 0.0 17.1 25.7#
58 0.0 47.8 71.8#

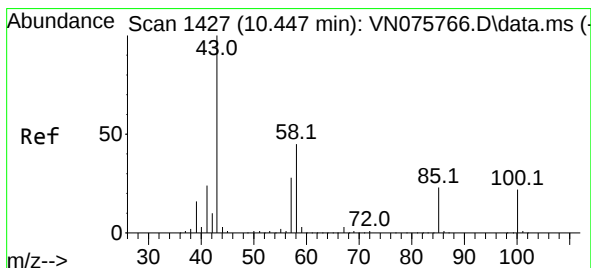
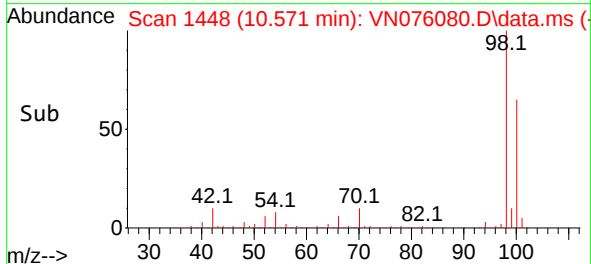
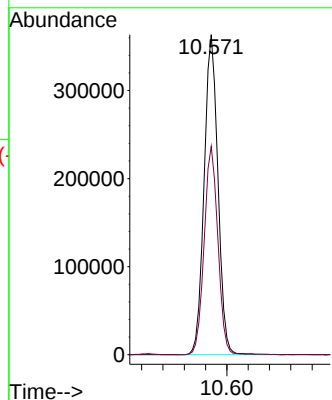
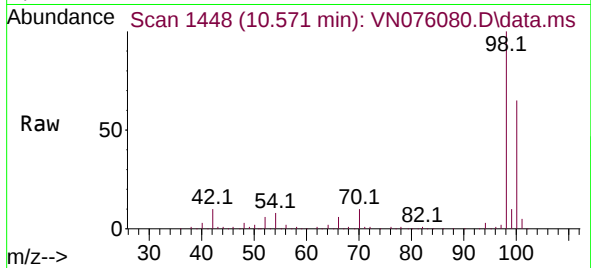




#50
Toluene-d8
Concen: 51.188 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN076080.D
Acq: 04 Jan 2023 14:41

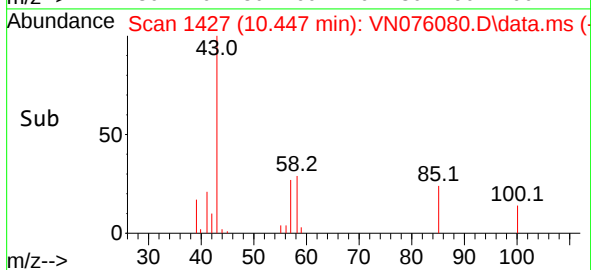
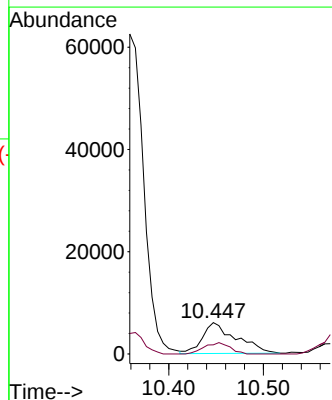
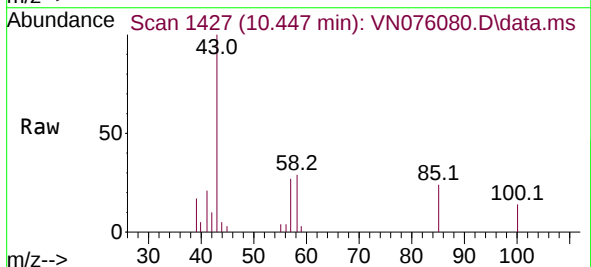
Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#01

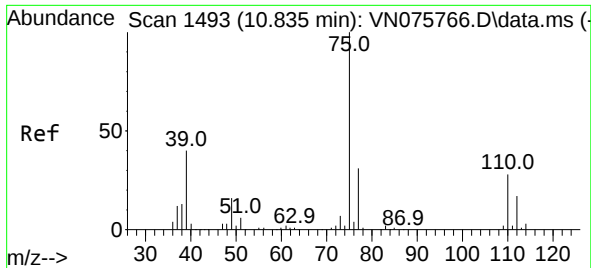
Tgt Ion: 98 Resp: 651741
Ion Ratio Lower Upper
98 100
100 64.8 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 4.098 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. -0.000 min
Lab File: VN076080.D
Acq: 04 Jan 2023 14:41

Tgt Ion: 43 Resp: 14853
Ion Ratio Lower Upper
43 100
58 27.9 35.5 53.3#

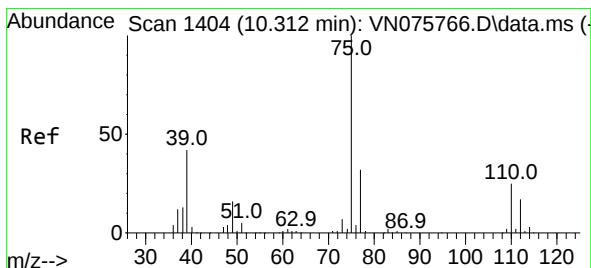
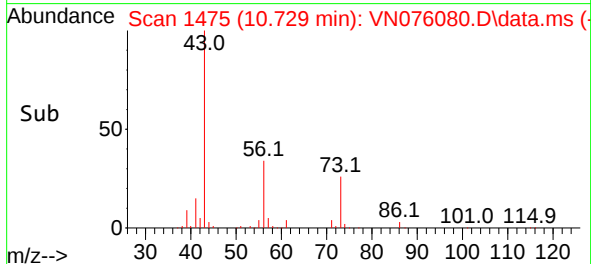
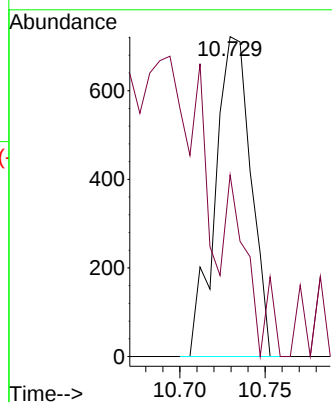
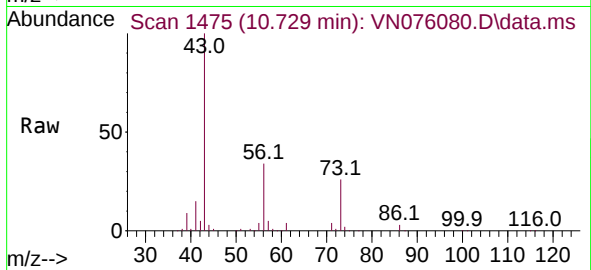




#53
 t-1,3-Dichloropropene
 Concen: 0.218 ug/l
 RT: 10.729 min Scan# 1412
 Delta R.T. -0.106 min
 Lab File: VN076080.D
 Acq: 04 Jan 2023 14:41

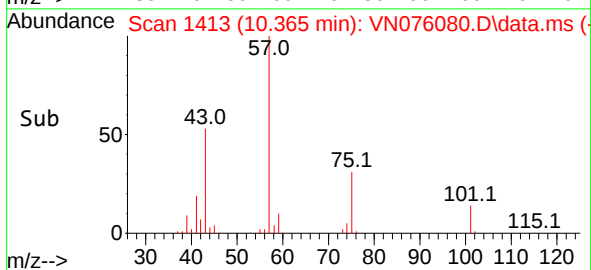
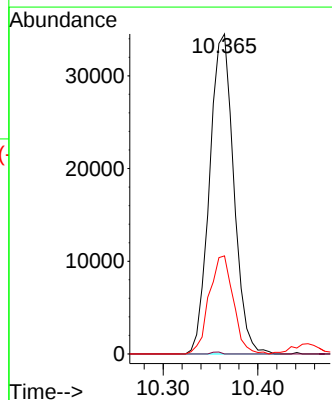
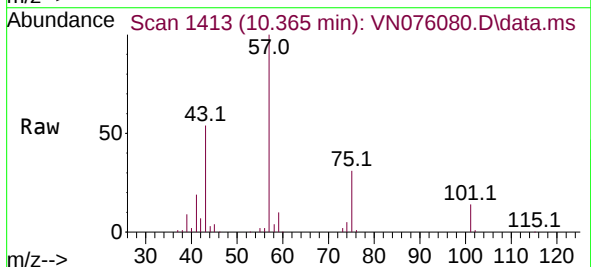
Instrument :
 MSVOA_N
 ClientSampleId :
 PB150013ZHE#01

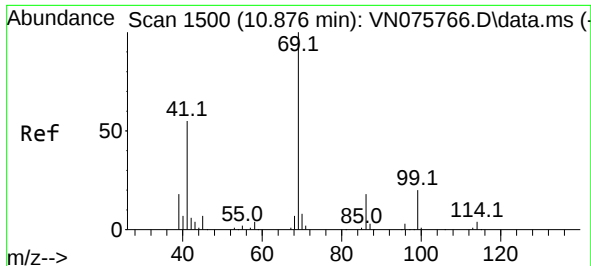
Tgt Ion: 75 Resp: 1054
 Ion Ratio Lower Upper
 75 100
 77 56.8 24.9 37.3#



#54
 cis-1,3-Dichloropropene
 Concen: 11.489 ug/l
 RT: 10.365 min Scan# 1413
 Delta R.T. 0.053 min
 Lab File: VN076080.D
 Acq: 04 Jan 2023 14:41

Tgt Ion: 75 Resp: 60998
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.8 38.8#
 39 30.7 33.4 50.2#

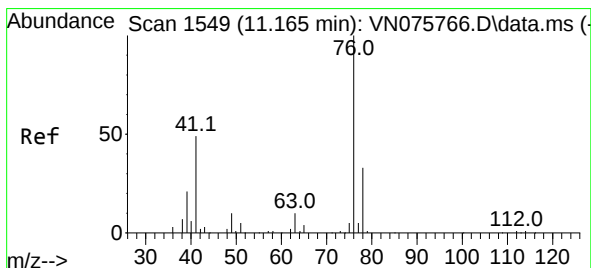
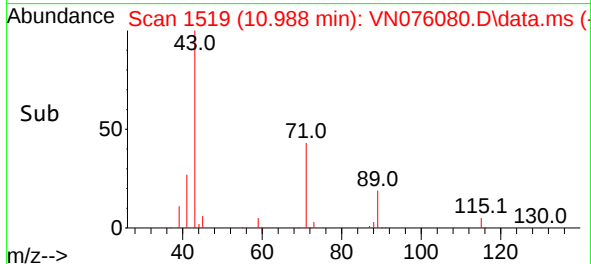
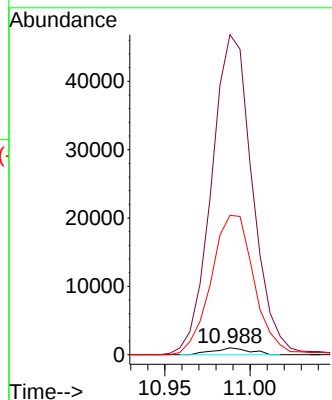
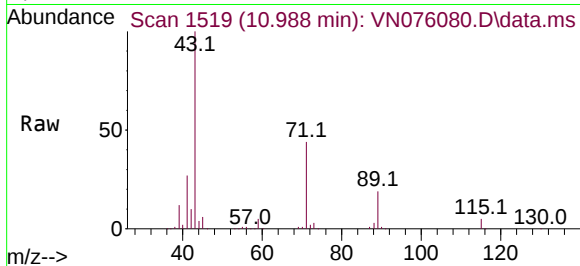




#56
Ethyl methacrylate
Concen: 0.312 ug/l
RT: 10.988 min Scan# 1519
Delta R.T. 0.112 min
Lab File: VN076080.D
Acq: 04 Jan 2023 14:41

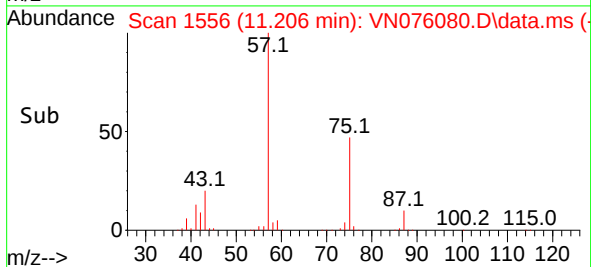
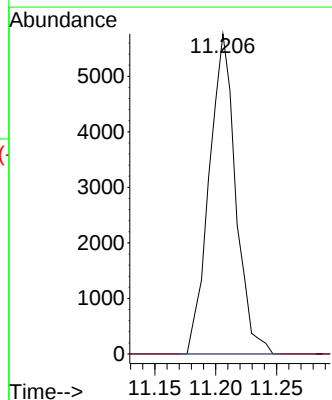
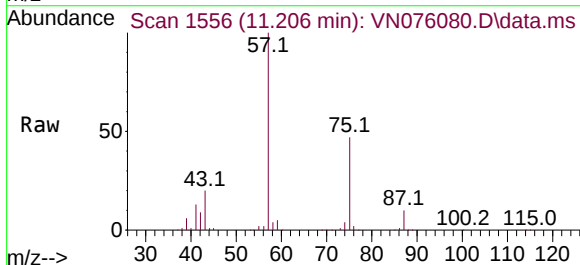
Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#01

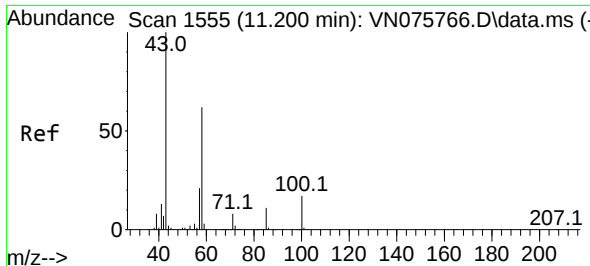
Tgt Ion: 69 Resp: 1477
Ion Ratio Lower Upper
69 100
41 5316.8 44.2 66.4#
39 2440.2 26.4 39.6#



#57
1,3-Dichloropropane
Concen: 1.495 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN076080.D
Acq: 04 Jan 2023 14:41

Tgt Ion: 76 Resp: 8749
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

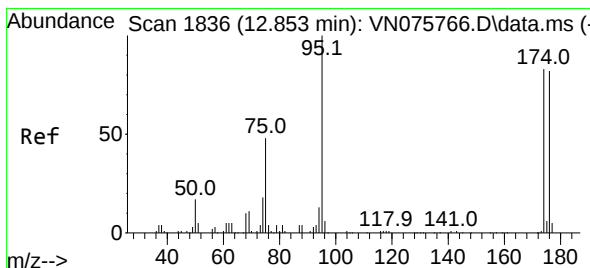
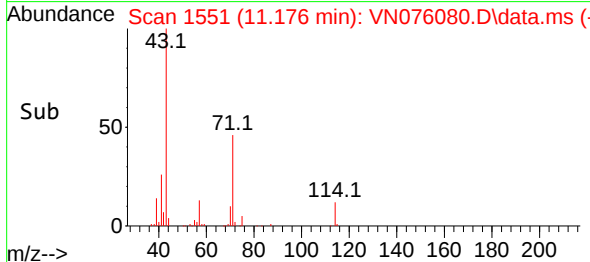
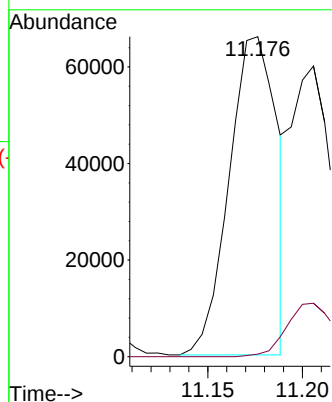
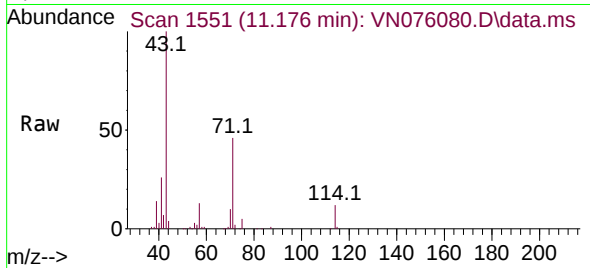




#59
2-Hexanone
Concen: 43.743 ug/l
RT: 11.176 min Scan# 115635
Delta R.T. -0.024 min
Lab File: VN076080.D
Acq: 04 Jan 2023 14:41

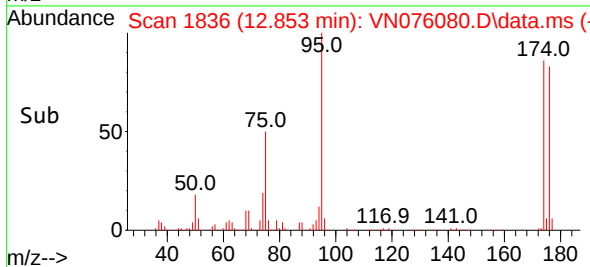
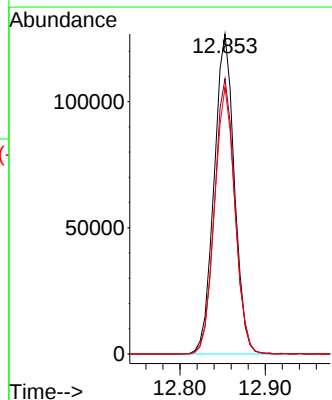
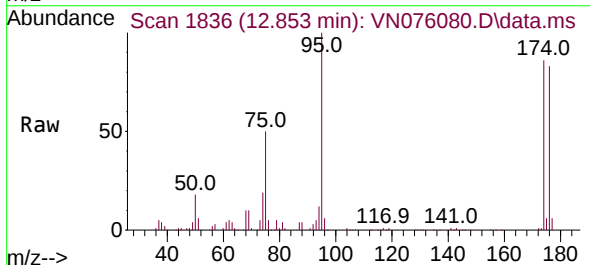
Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#01

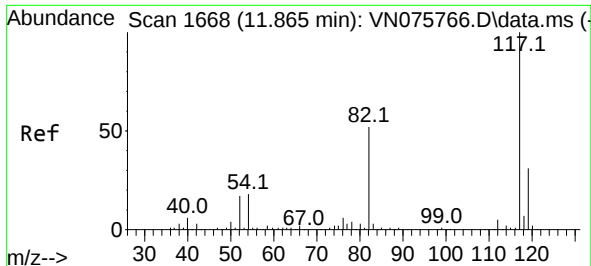
Tgt Ion: 43 Resp: 115635
Ion Ratio Lower Upper
43 100
58 0.0 30.6 92.0#



#62
4-Bromofluorobenzene
Concen: 49.626 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN076080.D
Acq: 04 Jan 2023 14:41

Tgt Ion: 95 Resp: 209273
Ion Ratio Lower Upper
95 100
174 86.1 0.0 171.6
176 83.8 0.0 169.2

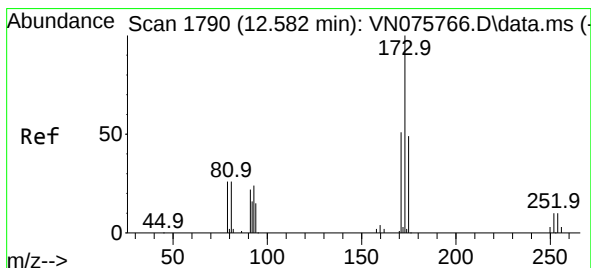
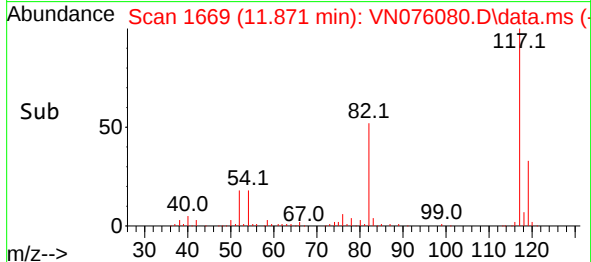
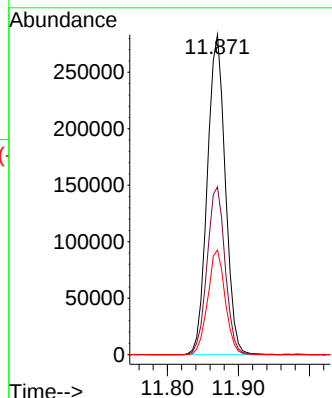
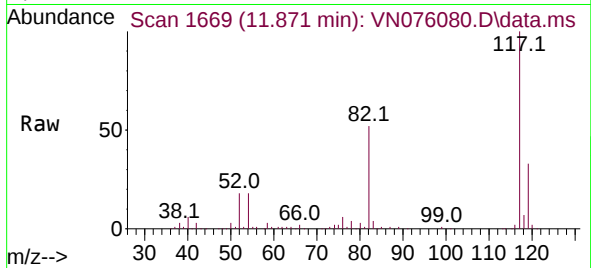




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN076080.D
Acq: 04 Jan 2023 14:41

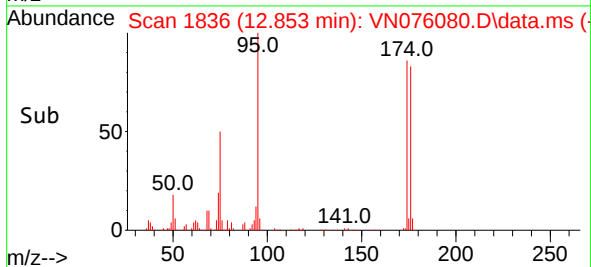
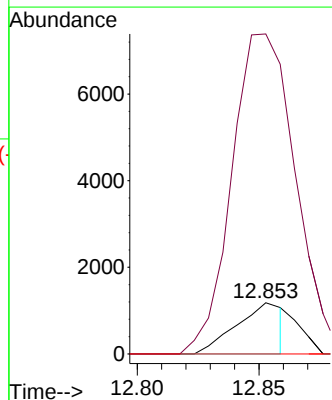
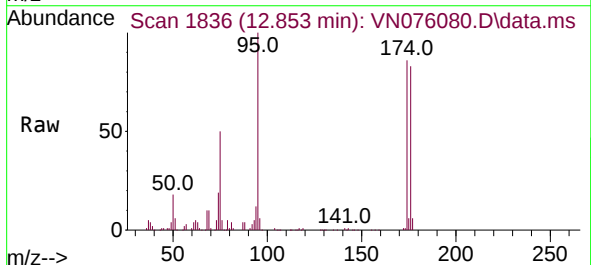
Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#01

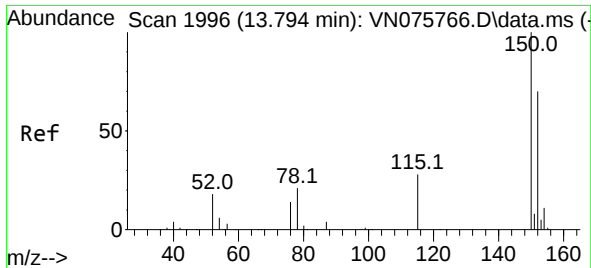
Tgt Ion:117 Resp: 498453
Ion Ratio Lower Upper
117 100
82 52.5 41.3 61.9
119 32.7 24.6 37.0



#71
Bromoform
Concen: 0.570 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN076080.D
Acq: 04 Jan 2023 14:41

Tgt Ion:173 Resp: 1572
Ion Ratio Lower Upper
173 100
175 679.3 24.3 72.8#
254 0.0 0.0 0.0

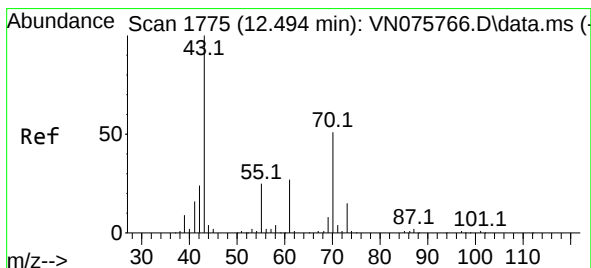
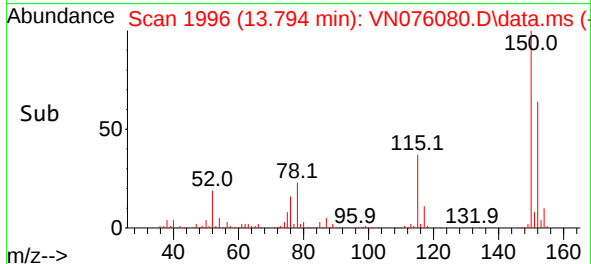
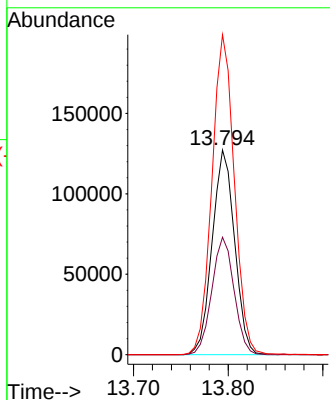
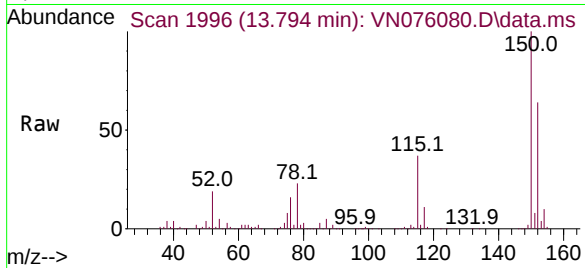




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN076080.D
Acq: 04 Jan 2023 14:41

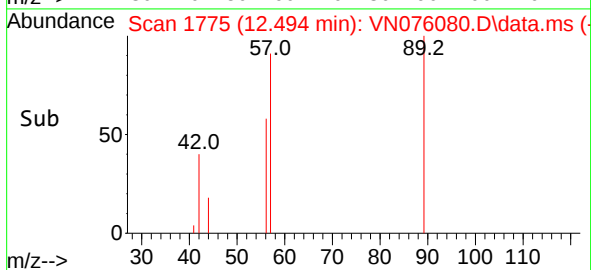
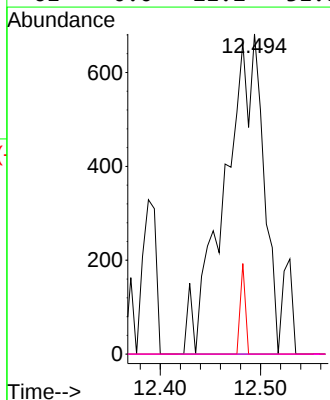
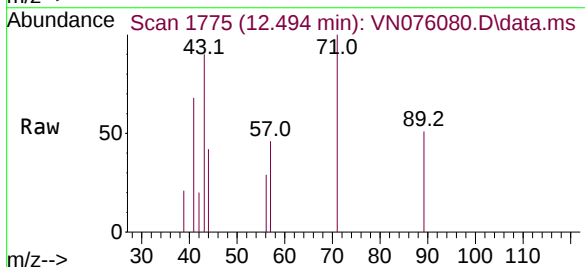
Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#01

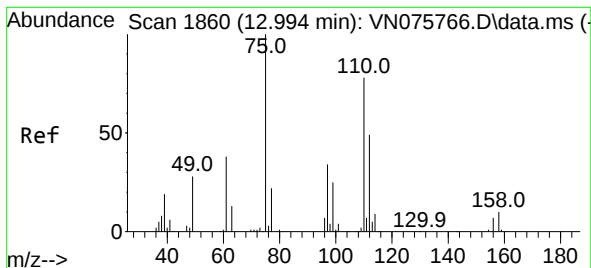
Tgt Ion:152 Resp: 209321
Ion Ratio Lower Upper
152 100
115 56.8 29.1 87.4
150 156.3 0.0 347.0



#74
N-ethyl acetate
Concen: 0.413 ug/l
RT: 12.494 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN076080.D
Acq: 04 Jan 2023 14:41

Tgt Ion: 43 Resp: 1834
Ion Ratio Lower Upper
43 100
70 0.0 41.4 62.0#
55 3.7 21.3 31.9#
61 0.0 21.2 31.8#





#76

1,2,3-Trichloropropane

Concen: 25.545 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. -0.141 min

Lab File: VN076080.D

Acq: 04 Jan 2023 14:41

Instrument :

MSVOA_N

ClientSampleId :

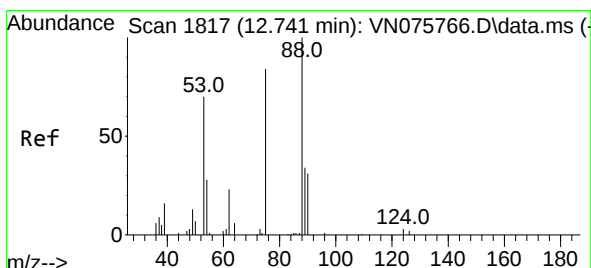
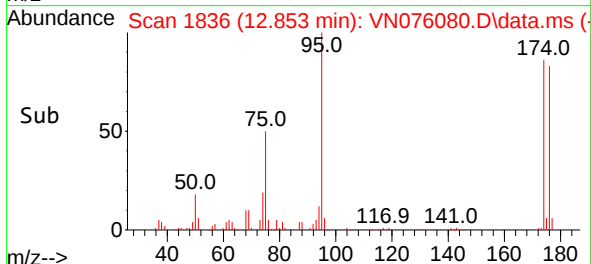
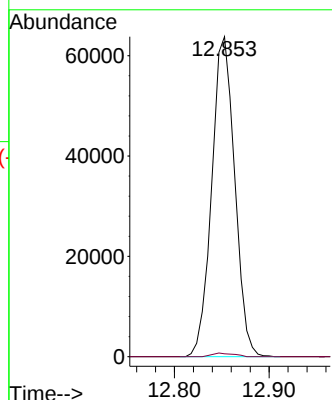
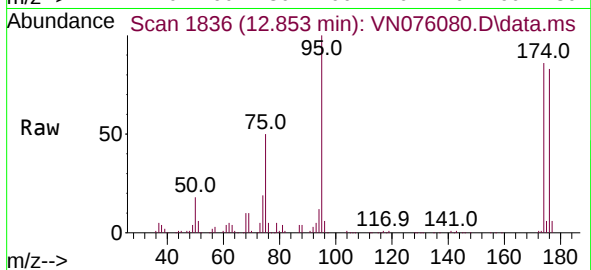
PB150013ZHE#01

Tgt Ion: 75 Resp: 107784

Ion Ratio Lower Upper

75 100

77 1.1 82.6 247.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 91.949 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.112 min

Lab File: VN076080.D

Acq: 04 Jan 2023 14:41

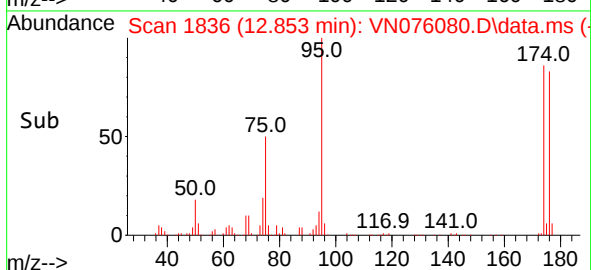
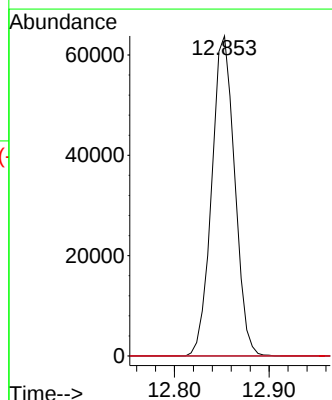
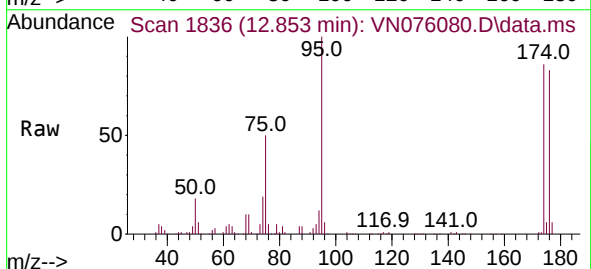
Tgt Ion: 75 Resp: 107784

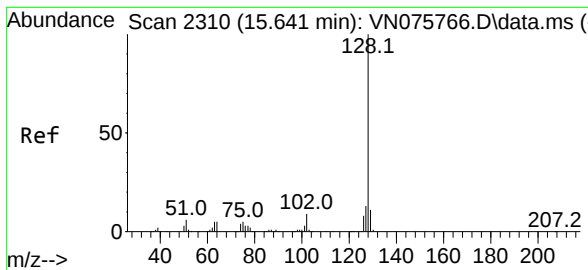
Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

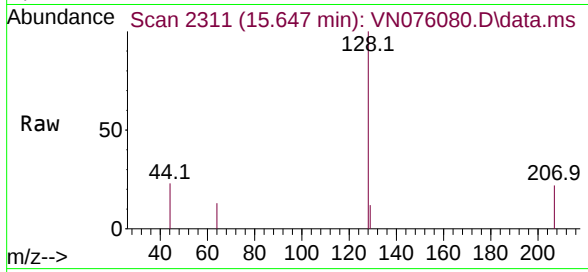
89 0.0 39.5 59.3#





#95
Naphthalene
Concen: 2.371 ug/l
RT: 15.647 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN076080.D
Acq: 04 Jan 2023 14:41

Instrument :
MSVOA_N
ClientSampleId :
PB150013ZHE#01



Tgt Ion:	128	Resp:	2299
Ion Ratio	Lower	Upper	
128	100		
127	0.0	10.4	15.6#
129	5.2	8.7	13.1#

