

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122822\
 Data File : VN076022.D
 Acq On : 29 Dec 2022 00:55
 Operator : JC\MD
 Sample : PB149923ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB149923ZHE#03

Quant Time: Dec 29 07:49:02 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)

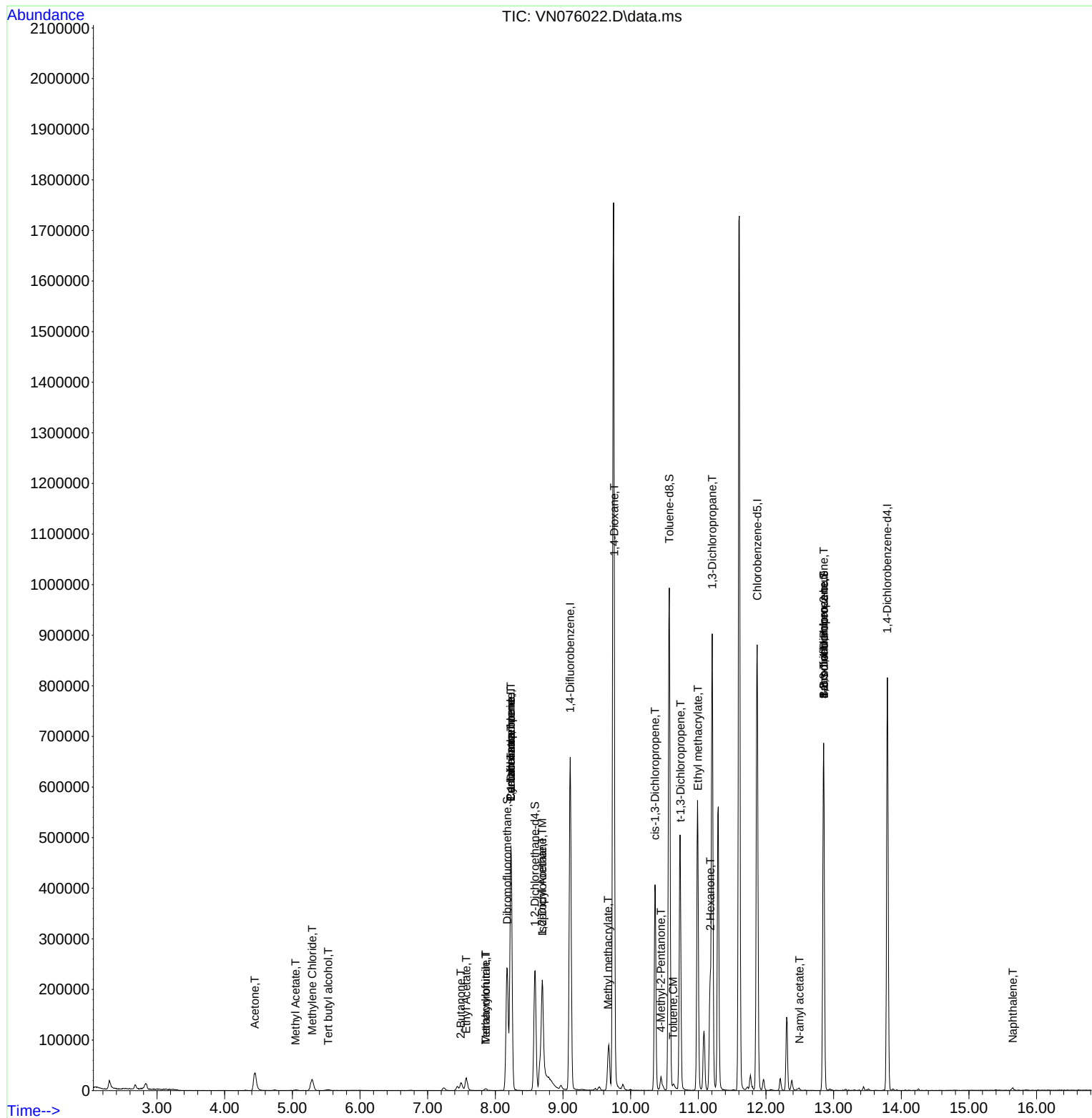
Internal Standards						
1) Pentafluorobenzene	8.230	168	387000	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	608242	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	549743	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	232835	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	195886	46.527	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.060%		
35) Dibromofluoromethane	8.177	113	177540	47.133	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.260%		
50) Toluene-d8	10.571	98	719485	51.087	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	102.180%		
62) 4-Bromofluorobenzene	12.853	95	231444	49.617	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.240%		
Target Compounds						Qvalue
11) Tert butyl alcohol	5.530	59	1869	3.137	ug/l #	72
16) Acetone	4.448	43	68693	47.331	ug/l	98
18) Methyl Acetate	5.048	43	2958	0.690	ug/l #	86
20) Methylene Chloride	5.295	84	18965	4.299	ug/l #	86
25) 2-Butanone	7.489	43	25120	12.361	ug/l	91
29) Tetrahydrofuran	7.859	42	2377	1.867	ug/l	87
31) Cyclohexane	8.230	56	7360	1.221	ug/l #	12
36) 1,1-Dichloropropene	8.230	75	26893	5.375	ug/l #	50
37) Ethyl Acetate	7.571	43	35663	8.873	ug/l	98
38) Carbon Tetrachloride	8.230	117	36630	6.541	ug/l #	16
41) Methacrylonitrile	7.859	41	1482	0.709	ug/l #	41
42) 1,2-Dichloroethane	8.694	62	1467	0.286	ug/l #	72
43) Isopropyl Acetate	8.694	43	335349	50.580	ug/l #	73
48) Methyl methacrylate	9.665	41	5640	1.889	ug/l #	36
49) 1,4-Dioxane	9.759	88	57	0.776	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	22149	5.524	ug/l #	81
52) Toluene	10.630	92	4660	0.463	ug/l	96
53) t-1,3-Dichloropropene	10.735	75	1253	0.234	ug/l #	44
54) cis-1,3-Dichloropropene	10.359	75	81586	13.892	ug/l #	63
56) Ethyl methacrylate	10.994	69	1835	0.350	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	10596	1.637	ug/l #	42
59) 2-Hexanone	11.177	43	153730	52.574	ug/l #	20
71) Bromoform	12.853	173	2346	0.771	ug/l #	1
74) N-amyl acetate	12.494	43	3756	0.761	ug/l #	43
76) 1,2,3-Trichloropropane	12.853	75	117049	24.939	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	117049	89.768	ug/l #	12
95) Naphthalene	15.647	128	5285	2.576	ug/l #	92

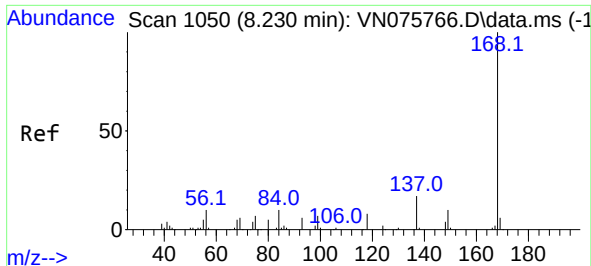
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

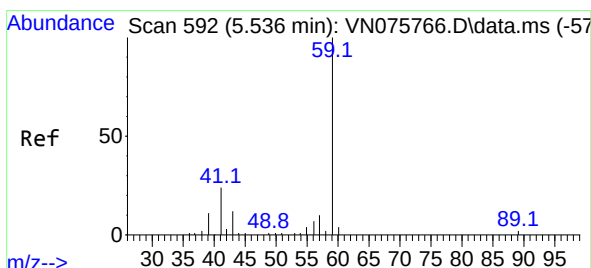
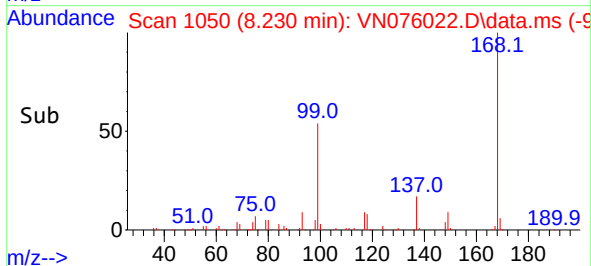
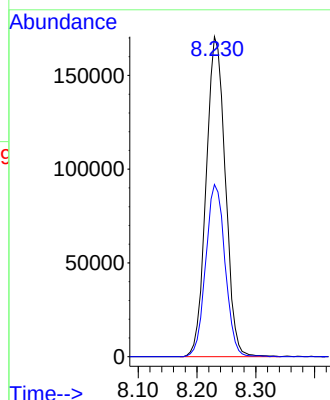
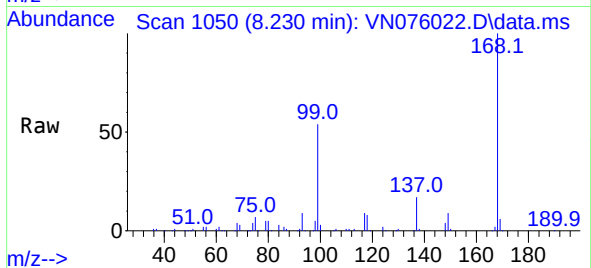




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN076022.D
Acq: 29 Dec 2022 00:55

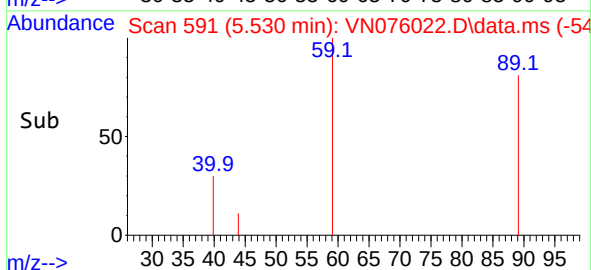
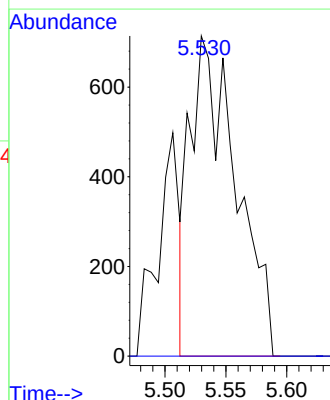
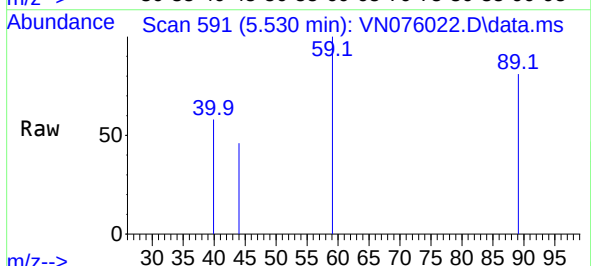
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#03

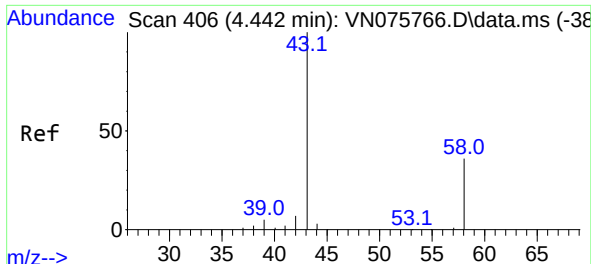
Tgt Ion:168 Resp: 387000
Ion Ratio Lower Upper
168 100
99 53.8 44.2 66.4



#11
Tert butyl alcohol
Concen: 3.137 ug/l
RT: 5.530 min Scan# 591
Delta R.T. -0.006 min
Lab File: VN076022.D
Acq: 29 Dec 2022 00:55

Tgt Ion: 59 Resp: 1869
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

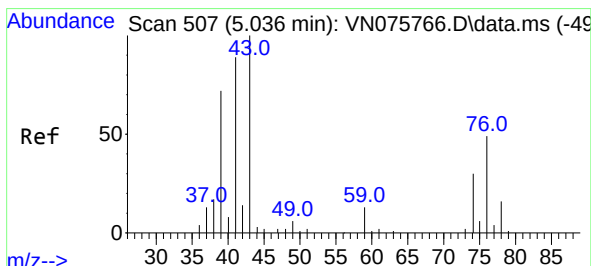
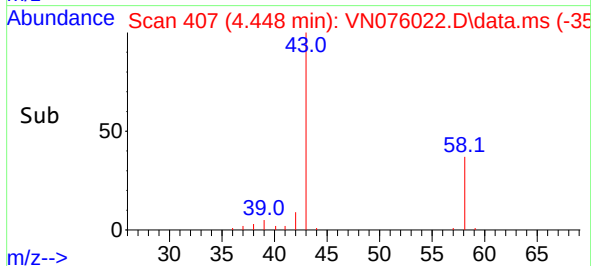
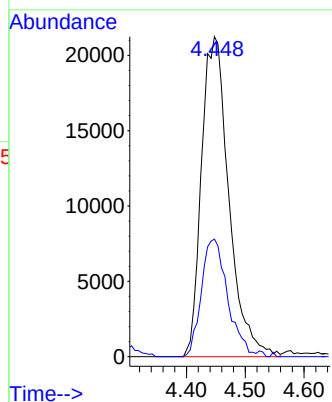
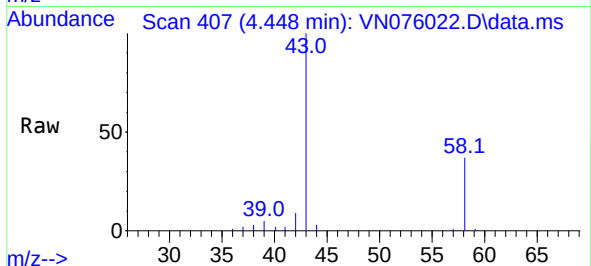




#16
Acetone
Concen: 47.331 ug/l
RT: 4.448 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN076022.D
Acq: 29 Dec 2022 00:55

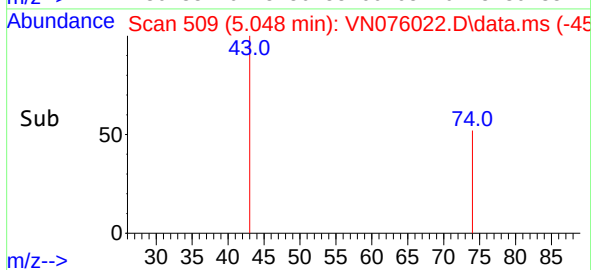
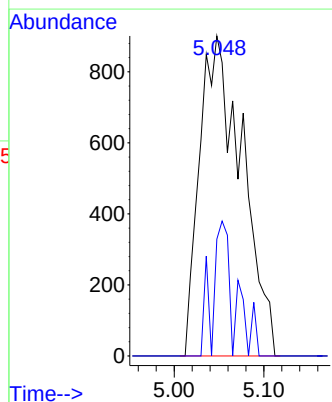
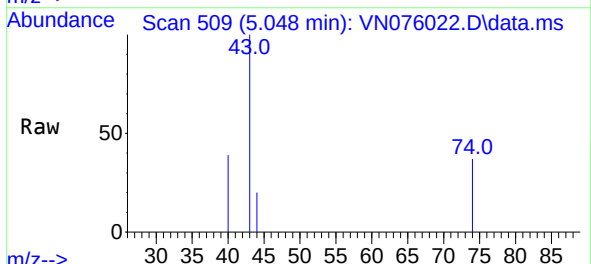
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#03

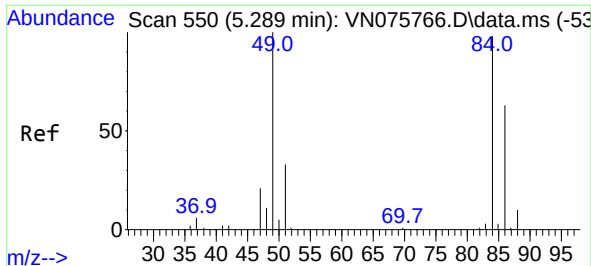
Tgt Ion: 43 Resp: 68693
Ion Ratio Lower Upper
43 100
58 36.8 28.6 43.0



#18
Methyl Acetate
Concen: 0.690 ug/l
RT: 5.048 min Scan# 509
Delta R.T. 0.012 min
Lab File: VN076022.D
Acq: 29 Dec 2022 00:55

Tgt Ion: 43 Resp: 2958
Ion Ratio Lower Upper
43 100
74 22.1 23.6 35.4#

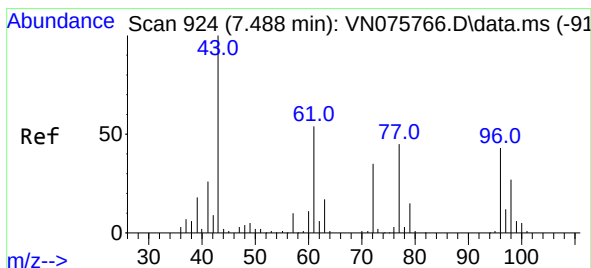
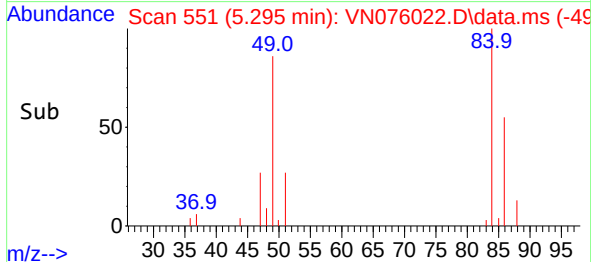
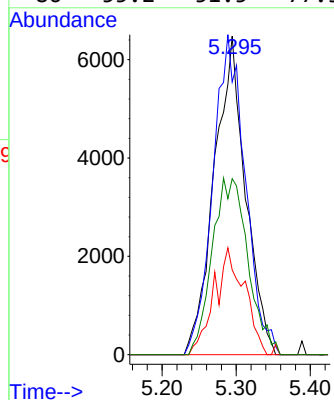
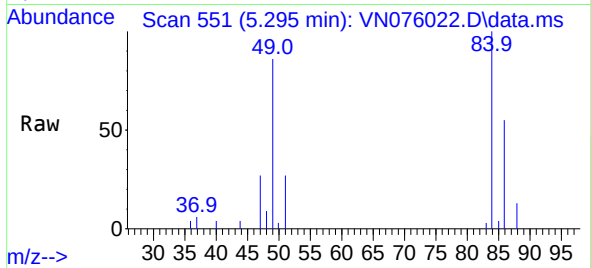




#20
Methylene Chloride
Concen: 4.299 ug/l
RT: 5.295 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN076022.D
Acq: 29 Dec 2022 00:55

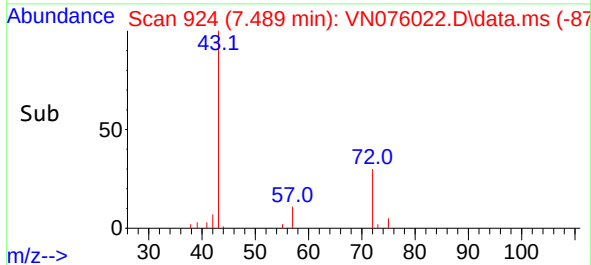
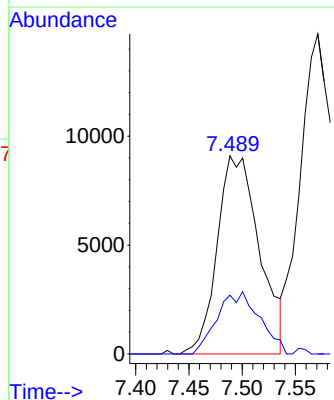
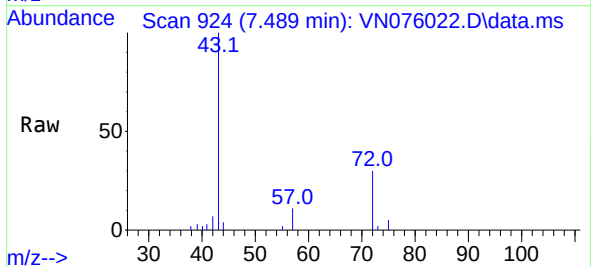
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#03

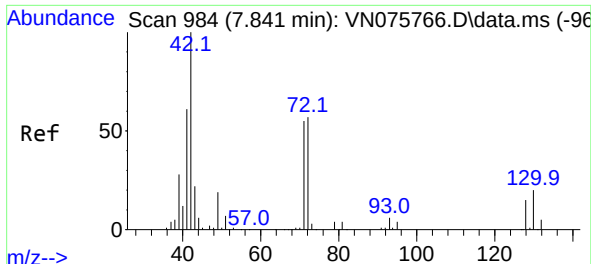
Tgt Ion:	84	Resp:	18965
Ion	Ratio	Lower	Upper
84	100		
49	85.6	81.8	122.6
51	26.6	26.7	40.1#
86	55.2	51.5	77.3



#25
2-Butanone
Concen: 12.361 ug/l
RT: 7.489 min Scan# 924
Delta R.T. 0.000 min
Lab File: VN076022.D
Acq: 29 Dec 2022 00:55

Tgt Ion:	43	Resp:	25120
Ion	Ratio	Lower	Upper
43	100		
72	29.7	28.0	42.0

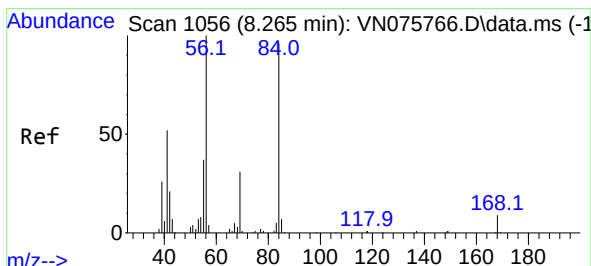
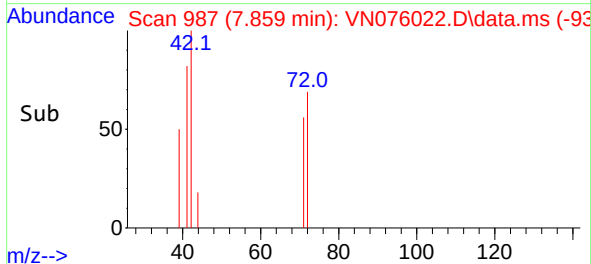
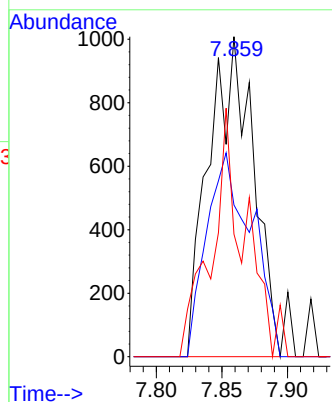
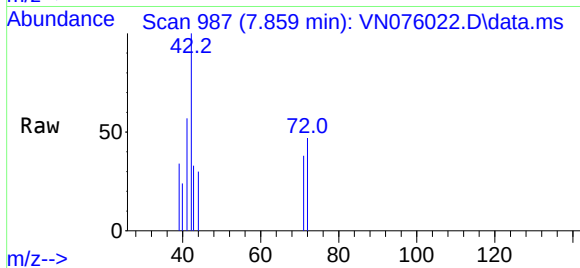




#29
Tetrahydrofuran
Concen: 1.867 ug/l
RT: 7.859 min Scan# 91
Delta R.T. 0.018 min
Lab File: VN076022.D
Acq: 29 Dec 2022 00:55

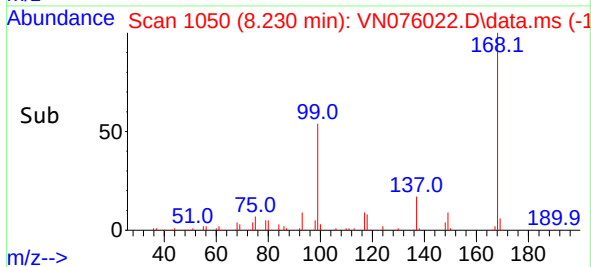
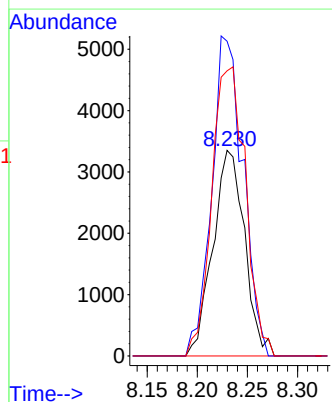
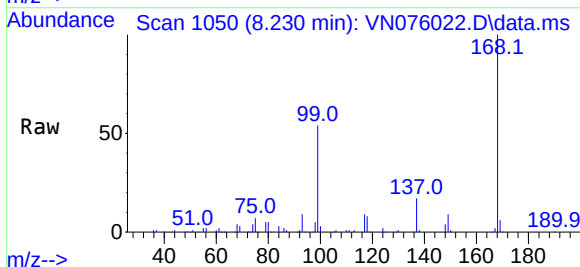
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#03

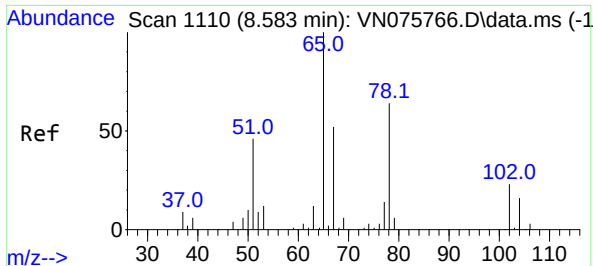
Tgt Ion: 42 Resp: 2377
Ion Ratio Lower Upper
42 100
72 64.9 44.5 66.7
71 41.7 41.0 61.6



#31
Cyclohexane
Concen: 1.221 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.035 min
Lab File: VN076022.D
Acq: 29 Dec 2022 00:55

Tgt Ion: 56 Resp: 7360
Ion Ratio Lower Upper
56 100
69 153.1 24.7 37.1#
84 138.7 76.5 114.7#

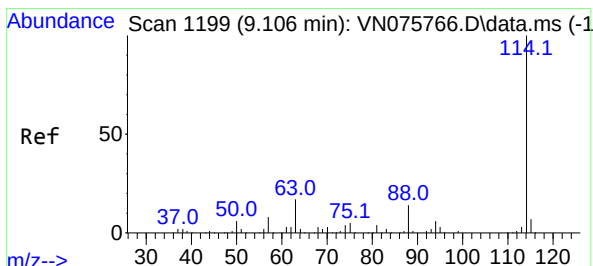
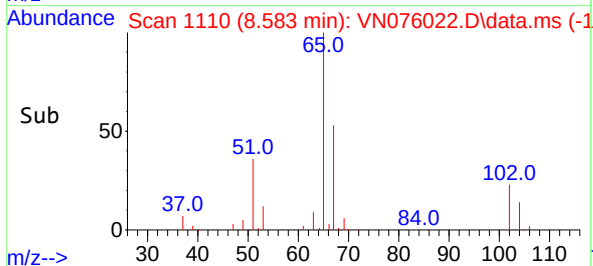
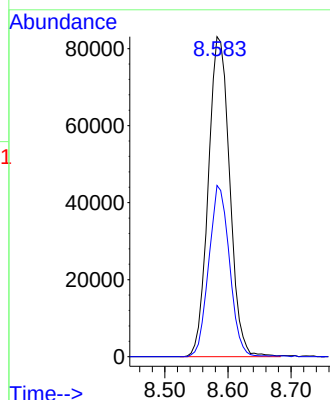
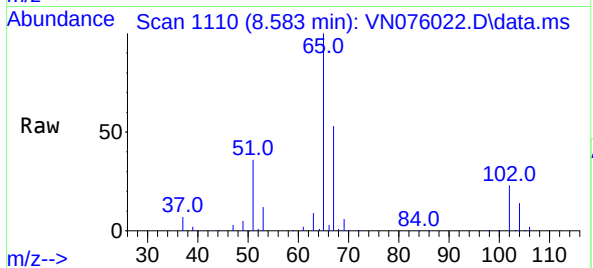




#33
1,2-Dichloroethane-d4
Concen: 46.527 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. 0.000 min
Lab File: VN076022.D
Acq: 29 Dec 2022 00:55

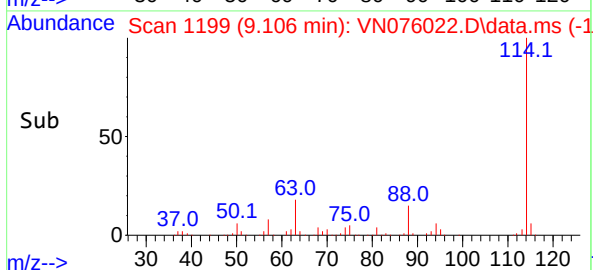
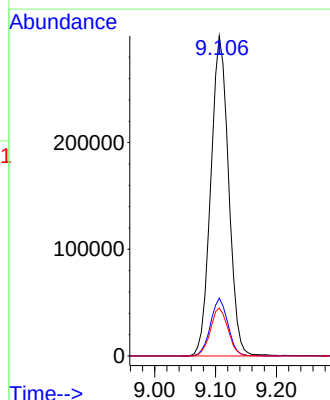
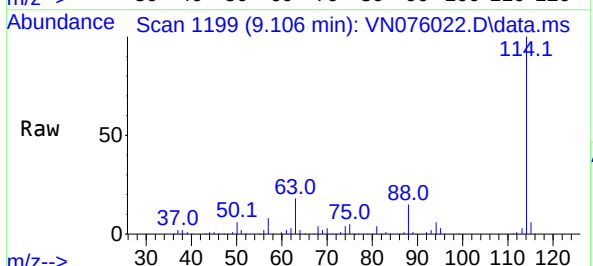
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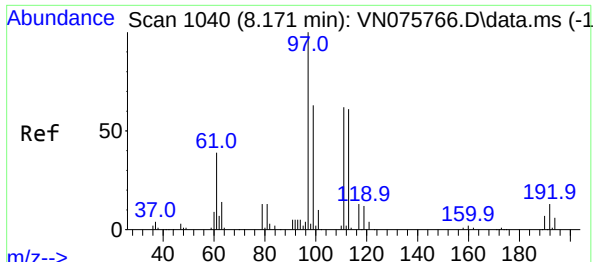
Tgt Ion: 65 Resp: 195886
Ion Ratio Lower Upper
65 100
67 51.6 0.0 103.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN076022.D
Acq: 29 Dec 2022 00:55

Tgt Ion: 114 Resp: 608242
Ion Ratio Lower Upper
114 100
63 18.1 0.0 34.4
88 15.0 0.0 28.8

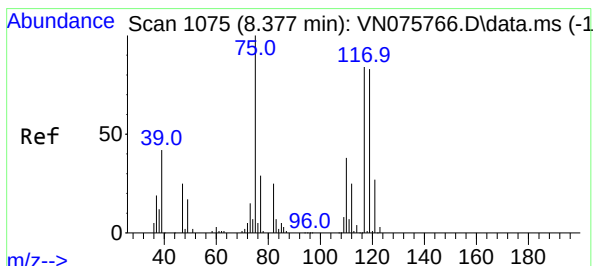
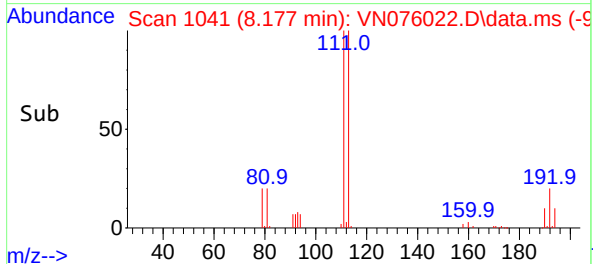
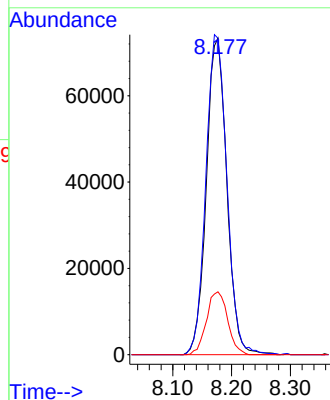
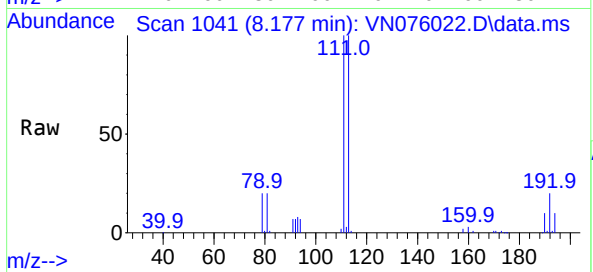




#35
Dibromofluoromethane
Concen: 47.133 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN076022.D
Acq: 29 Dec 2022 00:55

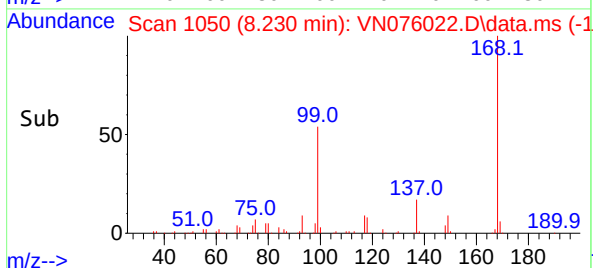
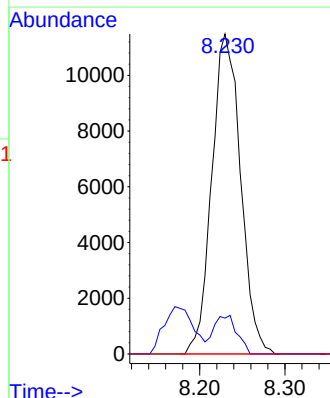
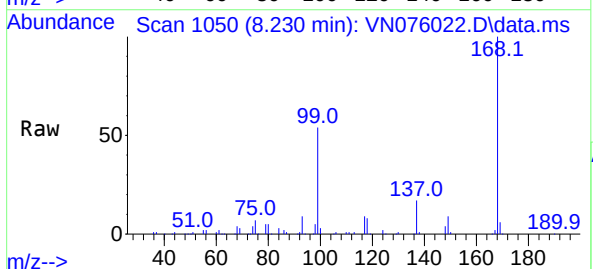
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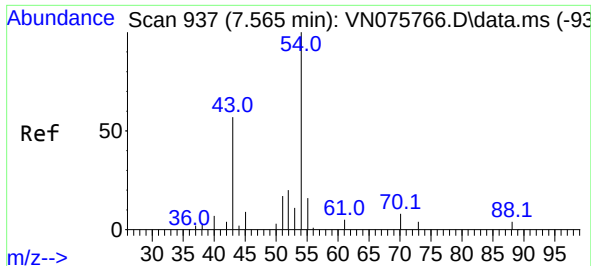
Tgt Ion:113 Resp: 177540
Ion Ratio Lower Upper
113 100
111 103.6 83.4 125.2
192 20.5 16.1 24.1



#36
1,1-Dichloropropene
Concen: 5.375 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN076022.D
Acq: 29 Dec 2022 00:55

Tgt Ion: 75 Resp: 26893
Ion Ratio Lower Upper
75 100
110 9.8 18.8 56.4#
77 0.0 24.1 36.1#

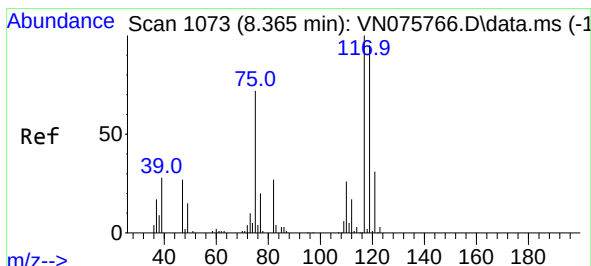
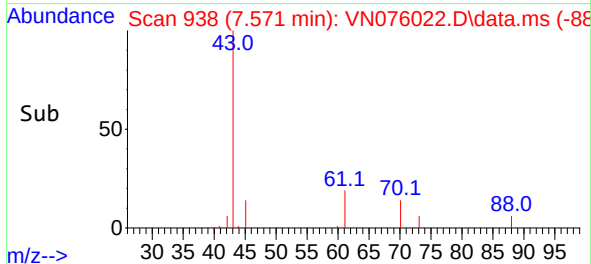
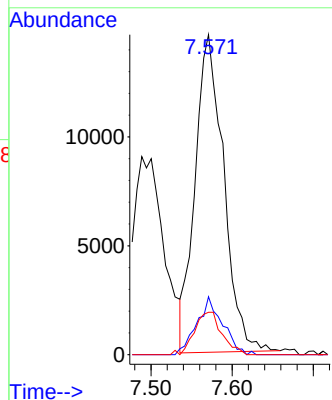
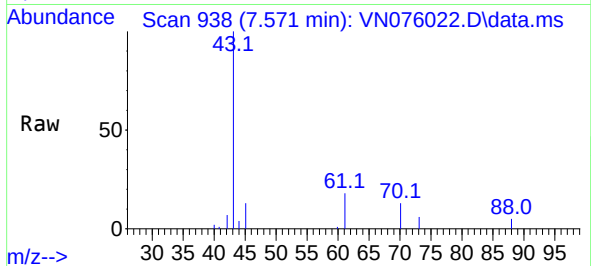




#37
Ethyl Acetate
Concen: 8.873 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN076022.D
Acq: 29 Dec 2022 00:55

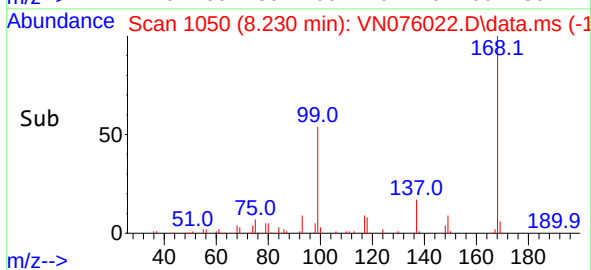
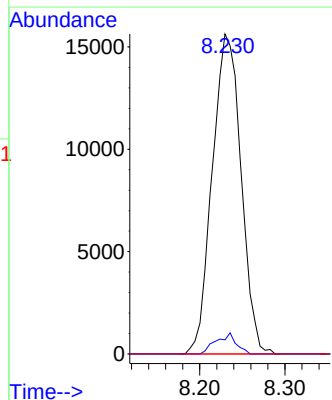
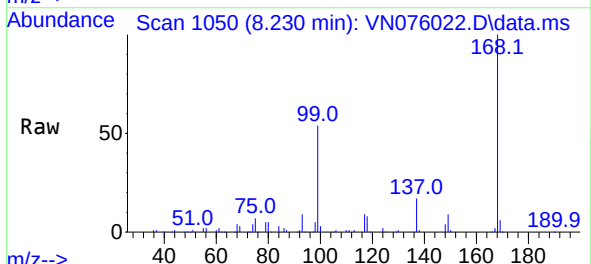
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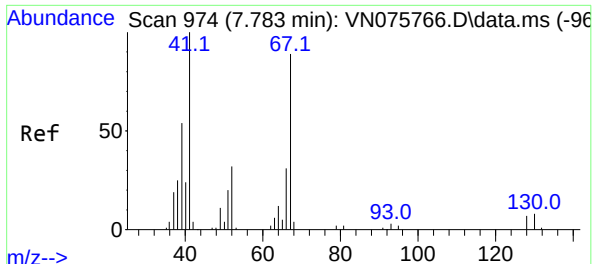
Tgt Ion: 43 Resp: 35663
Ion Ratio Lower Upper
43 100
61 16.4 13.0 19.4
70 12.9 9.4 14.0



#38
Carbon Tetrachloride
Concen: 6.541 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN076022.D
Acq: 29 Dec 2022 00:55

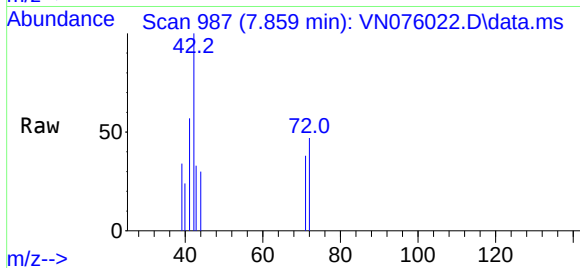
Tgt Ion: 117 Resp: 36630
Ion Ratio Lower Upper
117 100
119 4.4 76.1 114.1#
121 0.0 24.5 36.7#



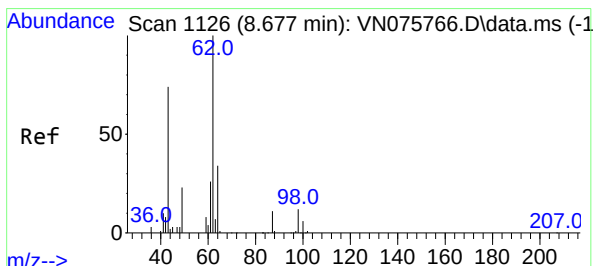
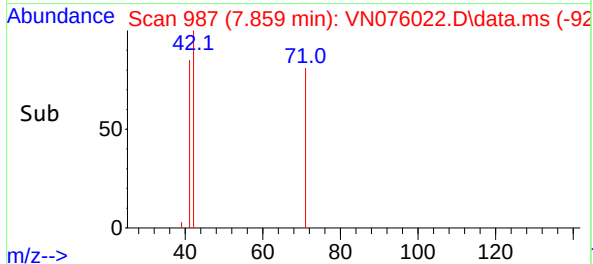
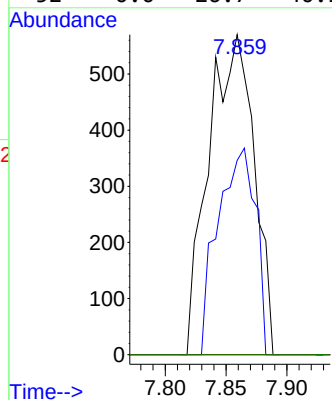


#41
Methacrylonitrile
Concen: 0.709 ug/l
RT: 7.859 min Scan# 91
Delta R.T. 0.077 min
Lab File: VN076022.D
Acq: 29 Dec 2022 00:55

Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#03

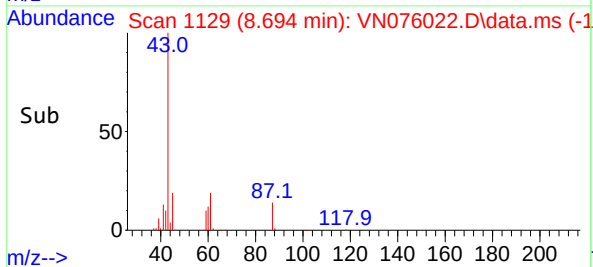
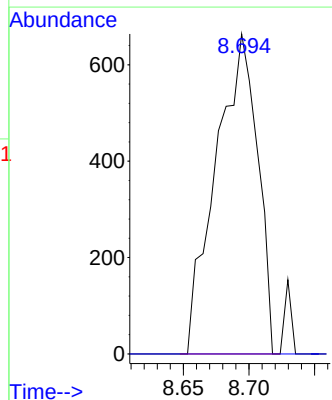
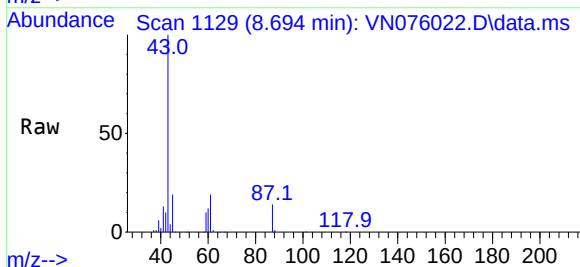


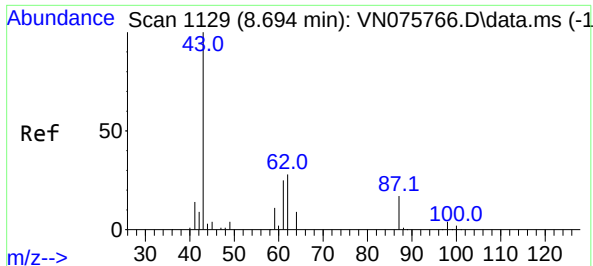
Tgt Ion: 41 Resp: 1482
Ion Ratio Lower Upper
41 100
39 53.4 43.1 64.7
67 0.0 70.7 106.1#
52 0.0 26.7 40.1#



#42
1,2-Dichloroethane
Concen: 0.286 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.018 min
Lab File: VN076022.D
Acq: 29 Dec 2022 00:55

Tgt Ion: 62 Resp: 1467
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.8

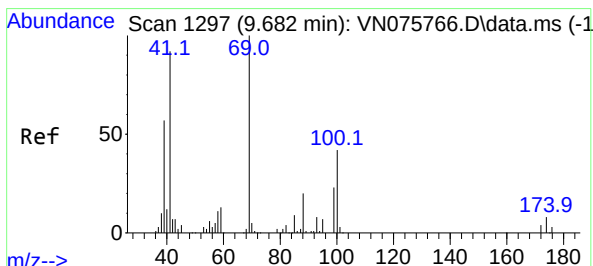
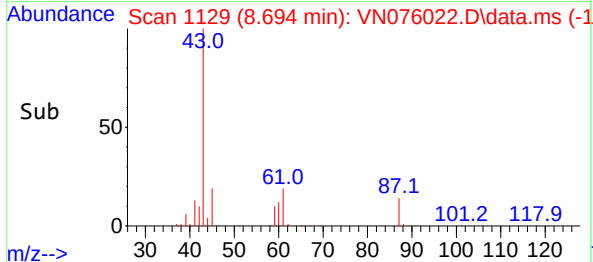
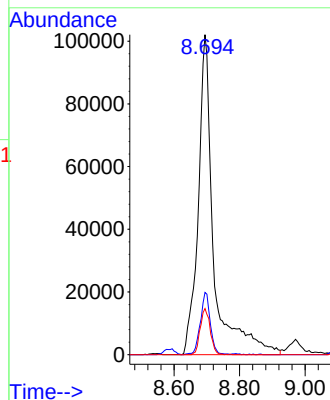
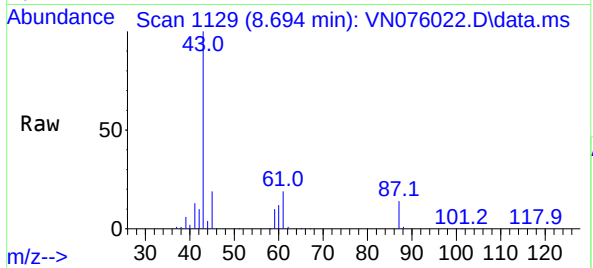




#43
Isopropyl Acetate
Concen: 50.580 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN076022.D
Acq: 29 Dec 2022 00:55

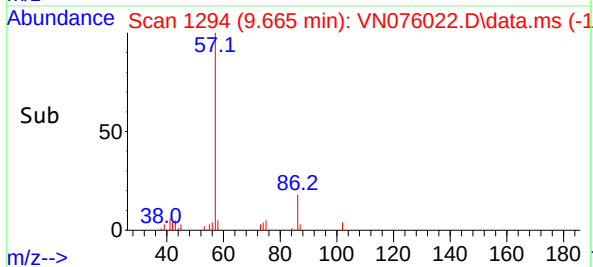
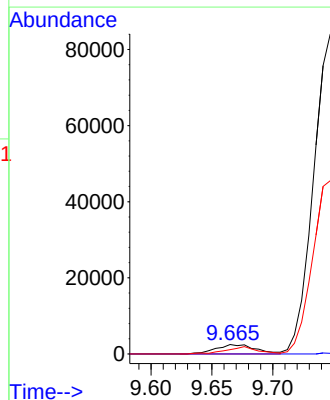
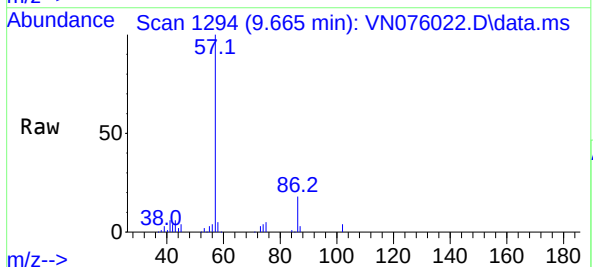
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#03

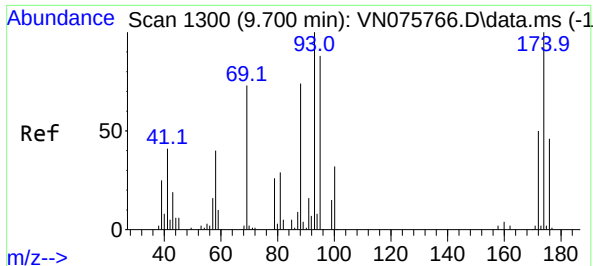
Tgt Ion: 43 Resp: 335349
Ion Ratio Lower Upper
43 100
61 12.5 24.2 36.4#
87 9.3 13.3 19.9#



#48
Methyl methacrylate
Concen: 1.889 ug/l
RT: 9.665 min Scan# 1294
Delta R.T. -0.018 min
Lab File: VN076022.D
Acq: 29 Dec 2022 00:55

Tgt Ion: 41 Resp: 5640
Ion Ratio Lower Upper
41 100
69 0.0 81.9 122.9#
39 61.3 51.6 77.4

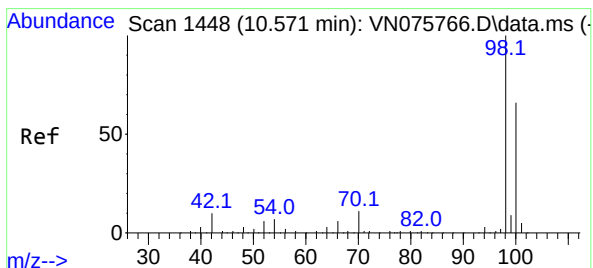
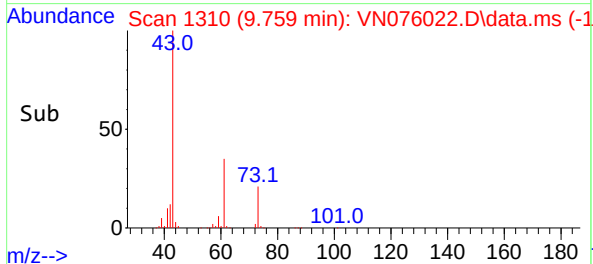
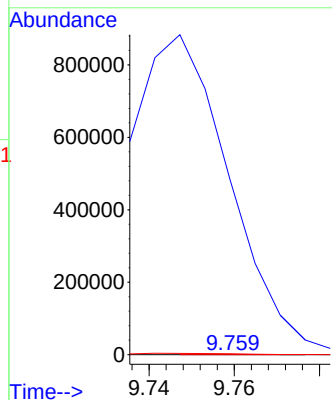
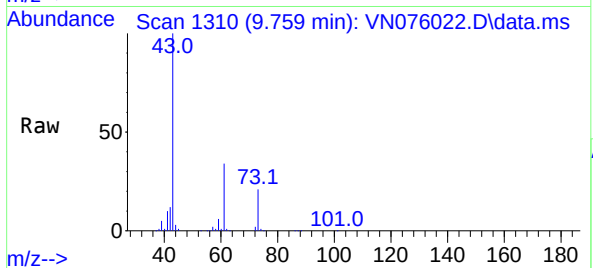




#49
1,4-Dioxane
Concen: 0.776 ug/l
RT: 9.759 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN076022.D
Acq: 29 Dec 2022 00:55

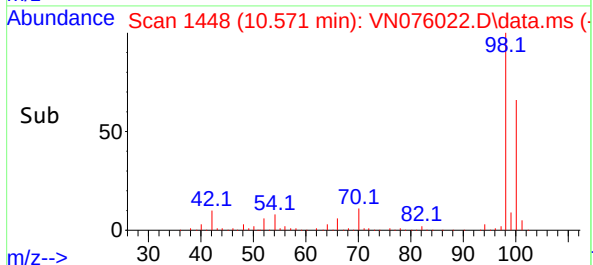
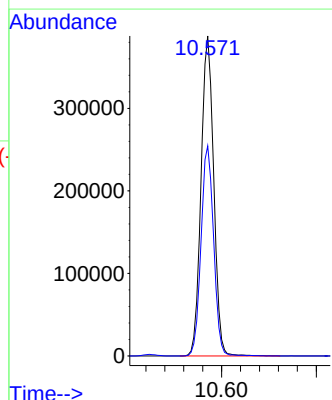
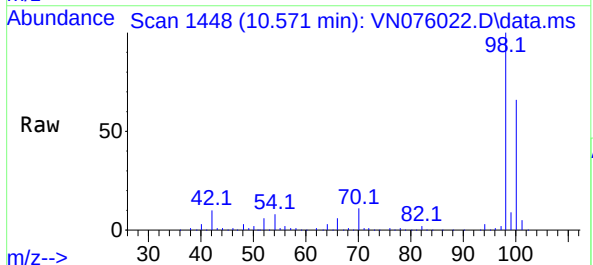
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#03

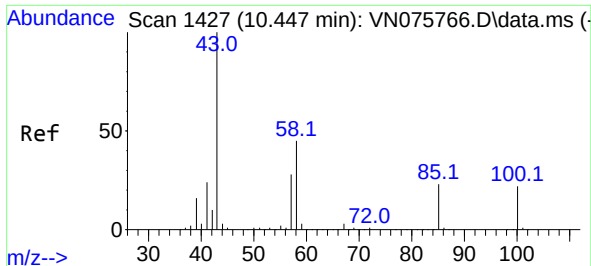
Tgt Ion: 88 Resp: 57
Ion Ratio Lower Upper
88 100
43 2779186.0 17.1 25.7#
58 12438.6 47.8 71.8#



#50
Toluene-d8
Concen: 51.087 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN076022.D
Acq: 29 Dec 2022 00:55

Tgt Ion: 98 Resp: 719485
Ion Ratio Lower Upper
98 100
100 65.3 52.1 78.1

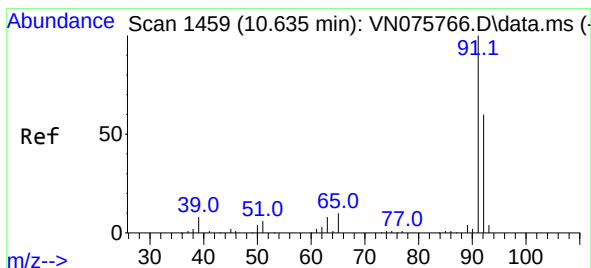
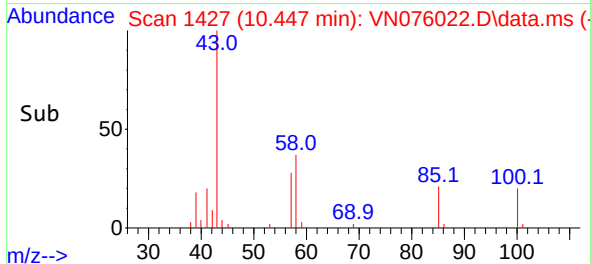
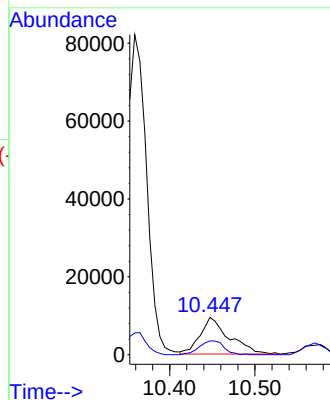
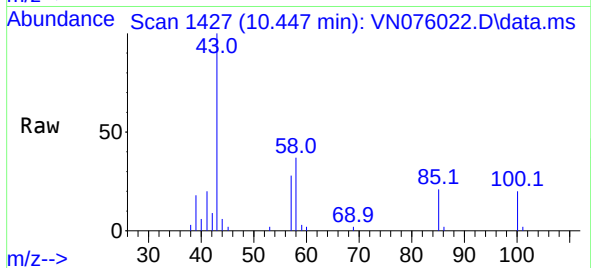




#51
4-Methyl-2-Pentanone
Concen: 5.524 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN076022.D
Acq: 29 Dec 2022 00:55

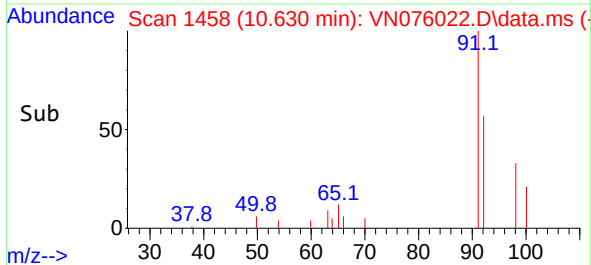
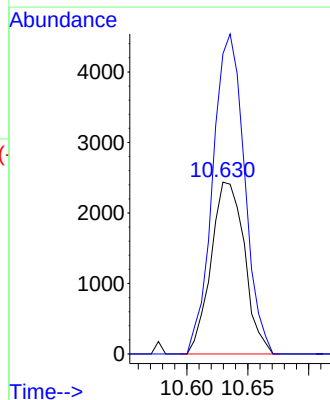
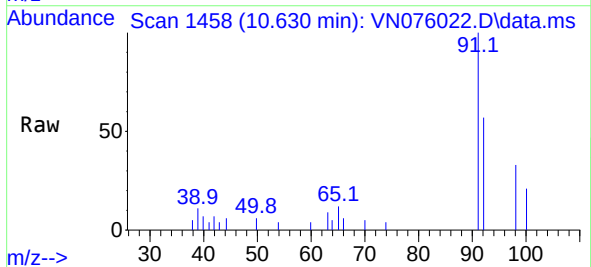
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#03

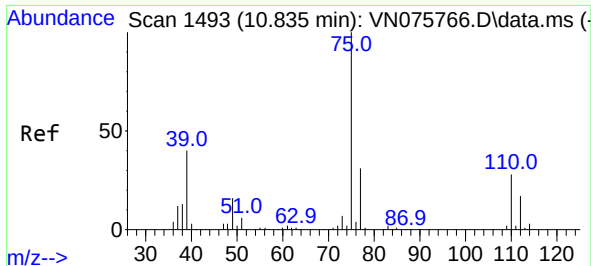
Tgt Ion: 43 Resp: 22149
Ion Ratio Lower Upper
43 100
58 31.8 35.5 53.3#



#52
Toluene
Concen: 0.463 ug/l
RT: 10.630 min Scan# 1458
Delta R.T. -0.006 min
Lab File: VN076022.D
Acq: 29 Dec 2022 00:55

Tgt Ion: 92 Resp: 4660
Ion Ratio Lower Upper
92 100
91 177.0 137.3 205.9

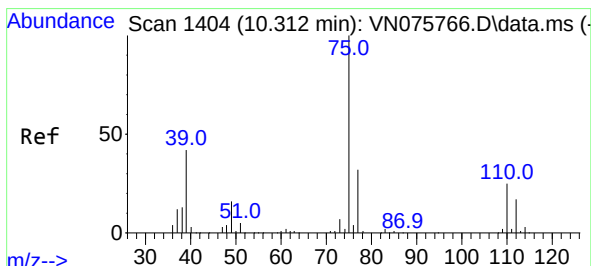
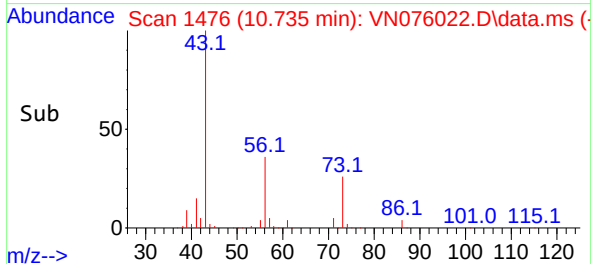
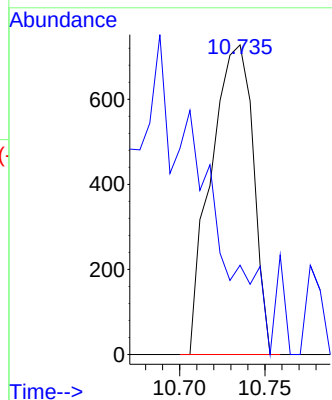
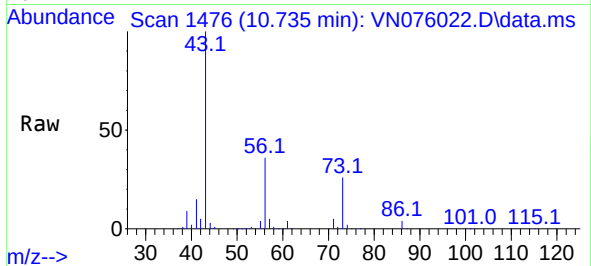




#53
t-1,3-Dichloropropene
Concen: 0.234 ug/l
RT: 10.735 min Scan# 1412
Delta R.T. -0.100 min
Lab File: VN076022.D
Acq: 29 Dec 2022 00:55

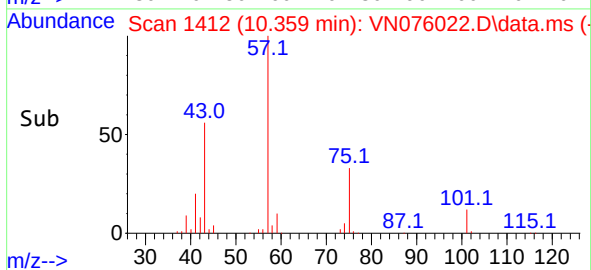
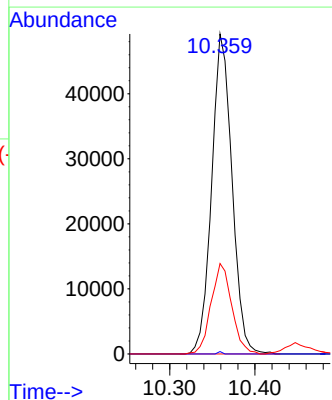
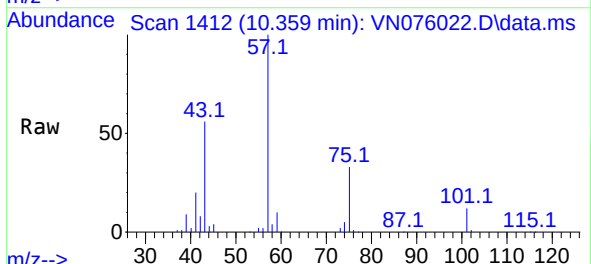
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#03

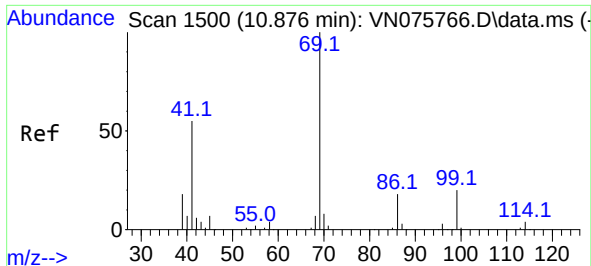
Tgt Ion: 75 Resp: 1253
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#



#54
cis-1,3-Dichloropropene
Concen: 13.892 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. 0.047 min
Lab File: VN076022.D
Acq: 29 Dec 2022 00:55

Tgt Ion: 75 Resp: 81586
Ion Ratio Lower Upper
75 100
77 0.7 25.8 38.8#
39 28.3 33.4 50.2#

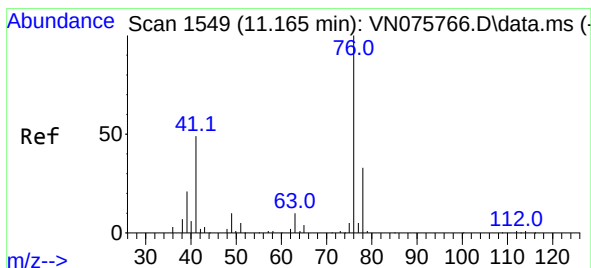
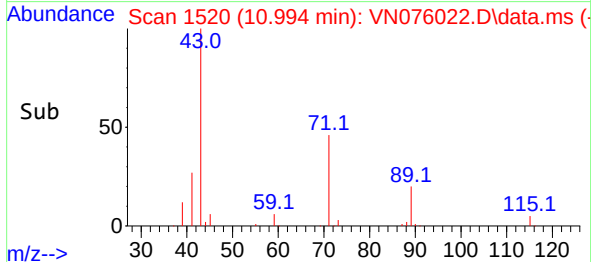
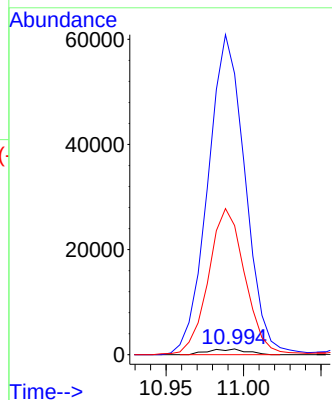
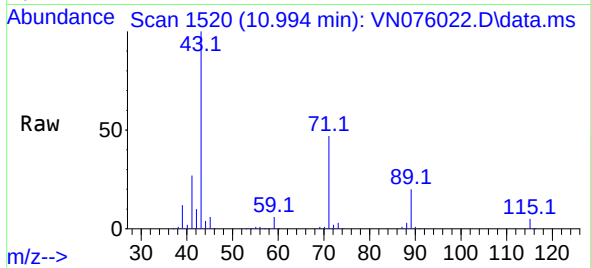




#56
Ethyl methacrylate
Concen: 0.350 ug/l
RT: 10.994 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN076022.D
Acq: 29 Dec 2022 00:55

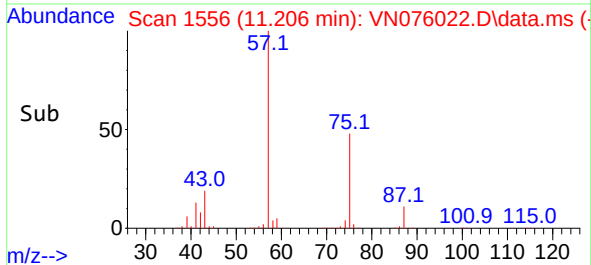
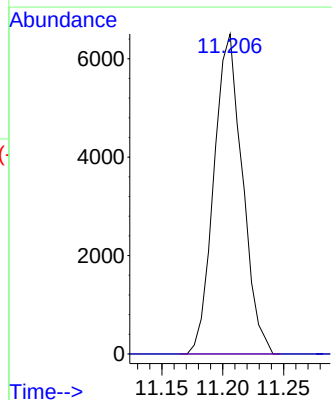
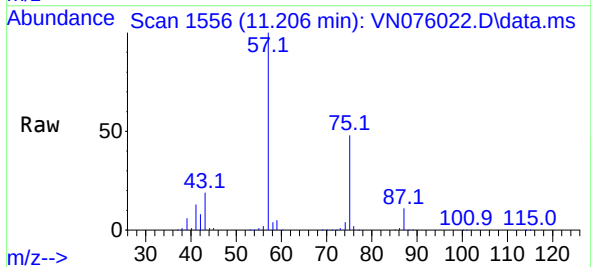
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#03

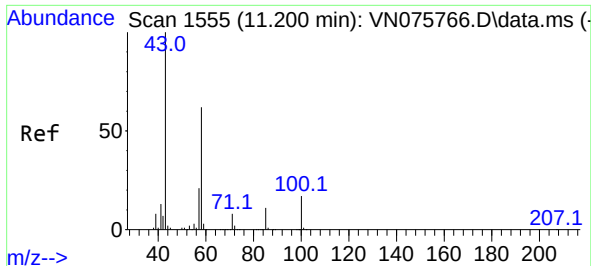
Tgt Ion: 69 Resp: 1835
Ion Ratio Lower Upper
69 100
41 5564.0 44.2 66.4#
39 2488.6 26.4 39.6#



#57
1,3-Dichloropropane
Concen: 1.637 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN076022.D
Acq: 29 Dec 2022 00:55

Tgt Ion: 76 Resp: 10596
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

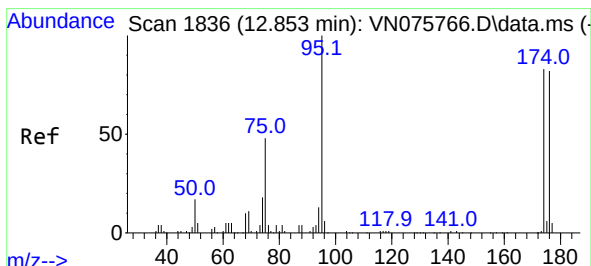
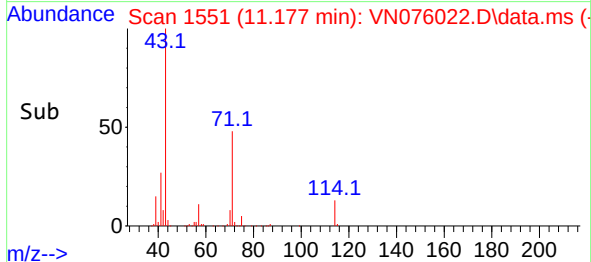
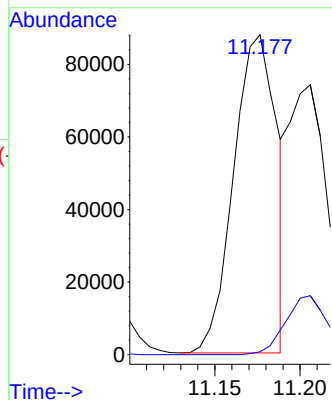
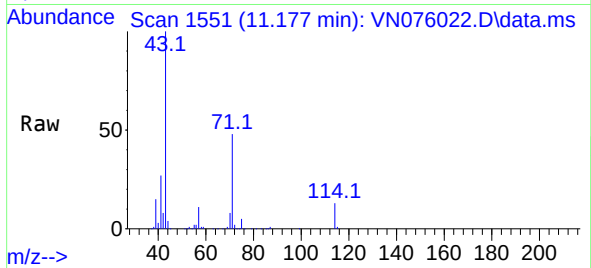




#59
2-Hexanone
Concen: 52.574 ug/l
RT: 11.177 min Scan# 1551
Delta R.T. -0.023 min
Lab File: VN076022.D
Acq: 29 Dec 2022 00:55

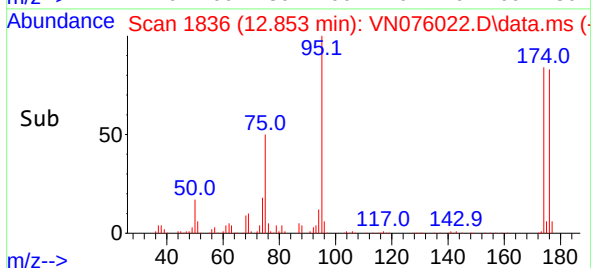
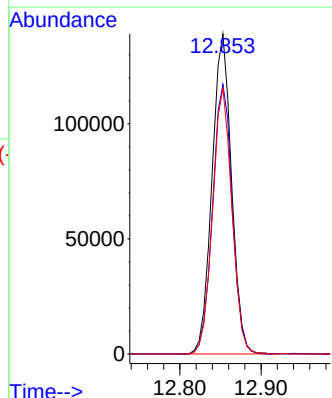
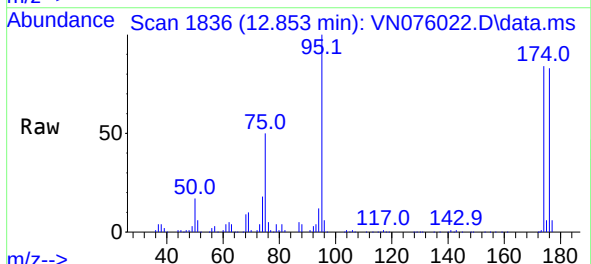
Instrument :
MSVOA_N
ClientSampleId :
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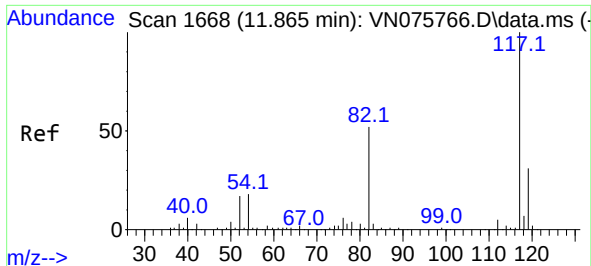
Tgt Ion: 43 Resp: 153730
Ion Ratio Lower Upper
43 100
58 0.0 30.6 92.0#



#62
4-Bromofluorobenzene
Concen: 49.617 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN076022.D
Acq: 29 Dec 2022 00:55

Tgt Ion: 95 Resp: 231444
Ion Ratio Lower Upper
95 100
174 85.2 0.0 171.6
176 82.2 0.0 169.2

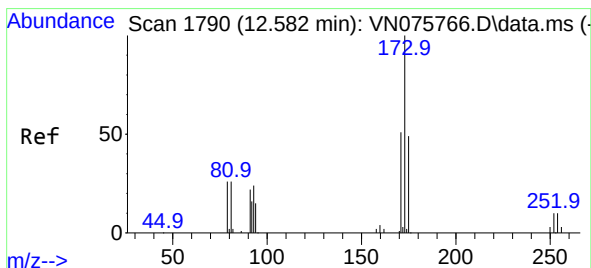
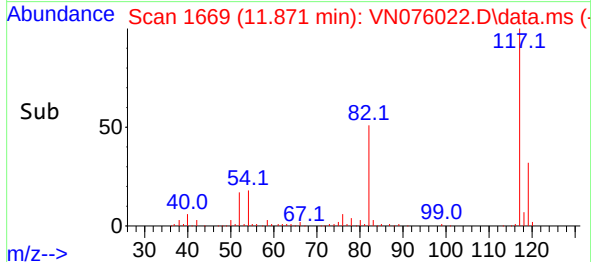
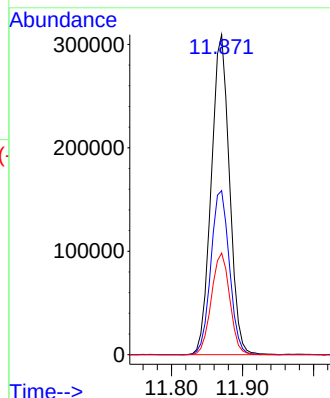
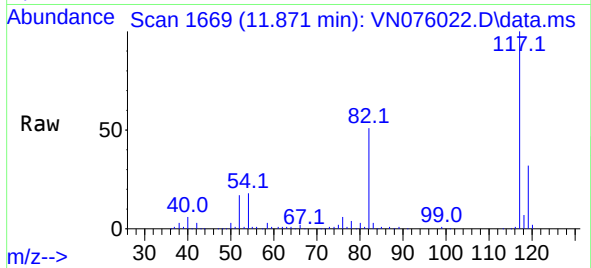




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN076022.D
Acq: 29 Dec 2022 00:55

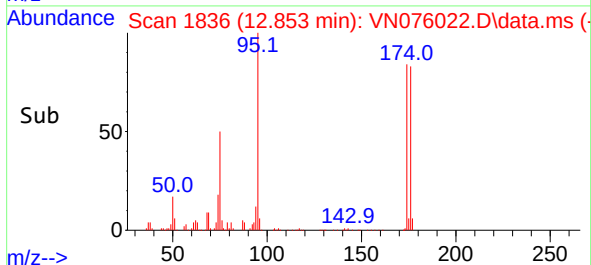
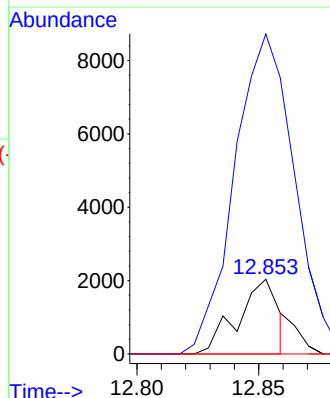
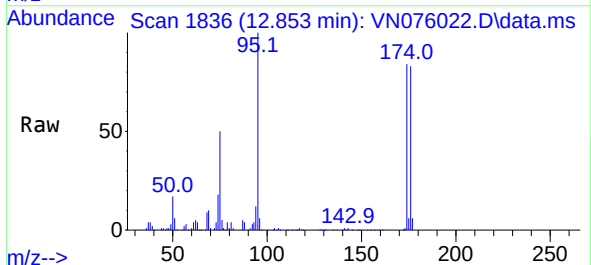
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#03

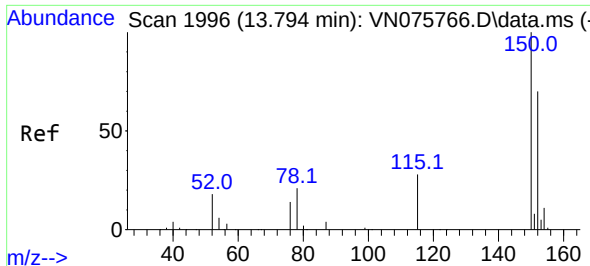
Tgt Ion:117 Resp: 549743
Ion Ratio Lower Upper
117 100
82 51.2 41.3 61.9
119 31.7 24.6 37.0



#71
Bromoform
Concen: 0.771 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN076022.D
Acq: 29 Dec 2022 00:55

Tgt Ion:173 Resp: 2346
Ion Ratio Lower Upper
173 100
175 505.9 24.3 72.8#
254 0.0 0.0 0.0

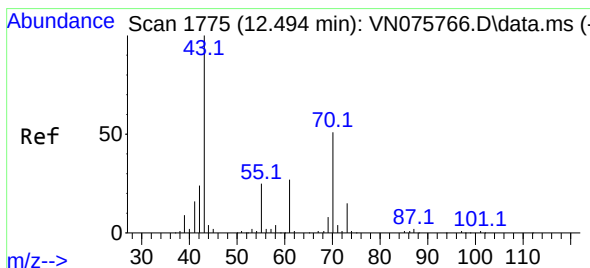
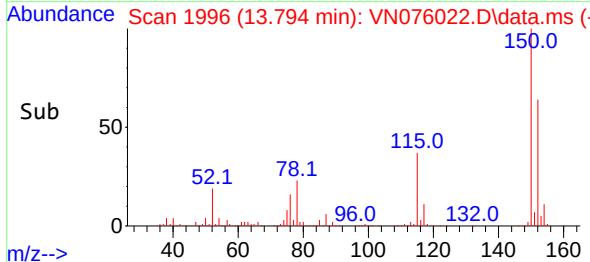
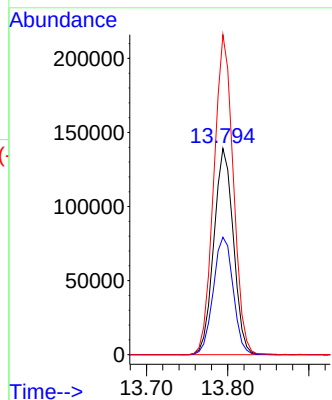
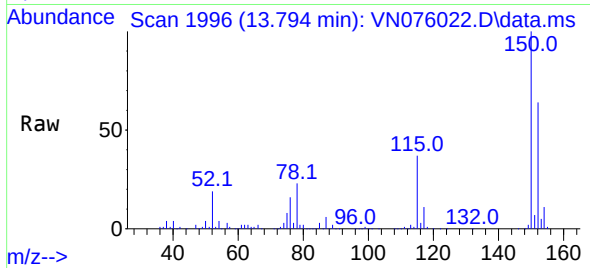




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN076022.D
Acq: 29 Dec 2022 00:55

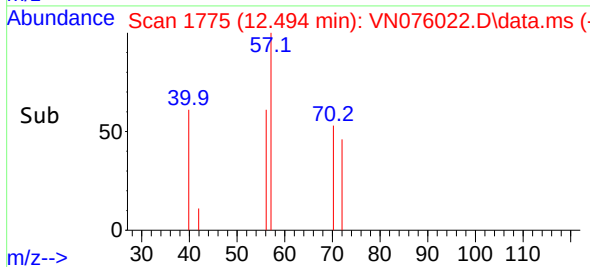
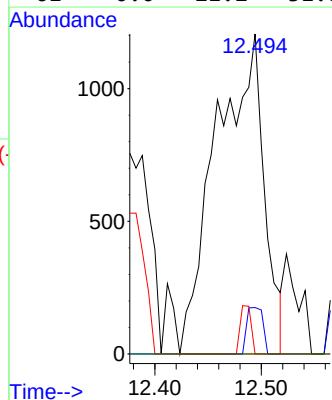
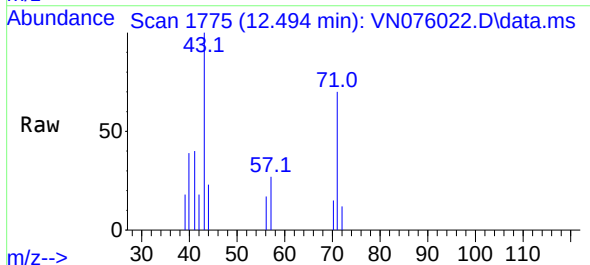
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#03

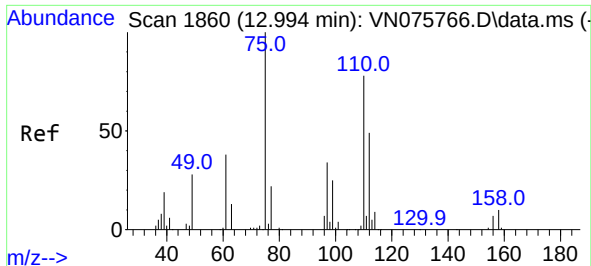
Tgt Ion:152 Resp: 232835
Ion Ratio Lower Upper
152 100
115 58.0 29.1 87.4
150 154.7 0.0 347.0



#74
N-ethyl acetate
Concen: 0.761 ug/l
RT: 12.494 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN076022.D
Acq: 29 Dec 2022 00:55

Tgt Ion: 43 Resp: 3756
Ion Ratio Lower Upper
43 100
70 4.8 41.4 62.0#
55 3.4 21.3 31.9#
61 0.0 21.2 31.8#

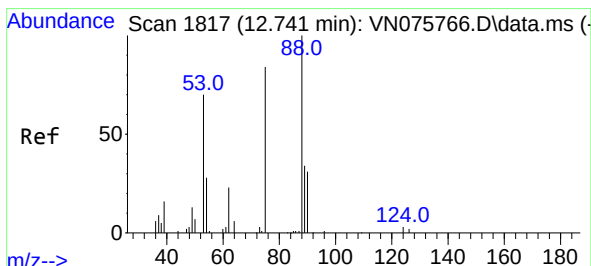
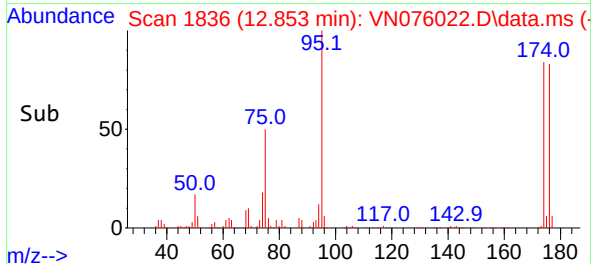
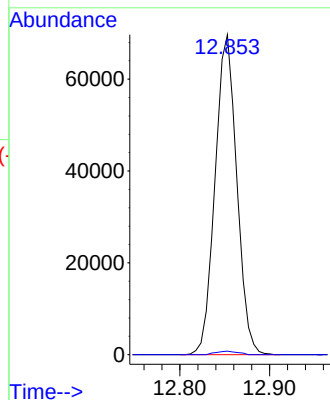
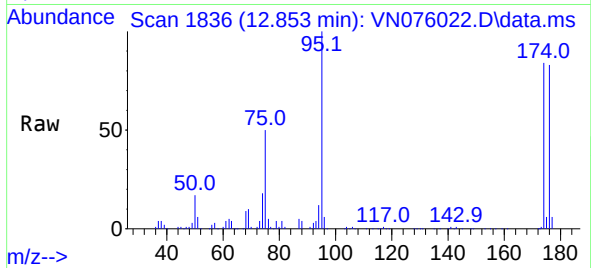




#76
1,2,3-Trichloropropane
Concen: 24.939 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076022.D
Acq: 29 Dec 2022 00:55

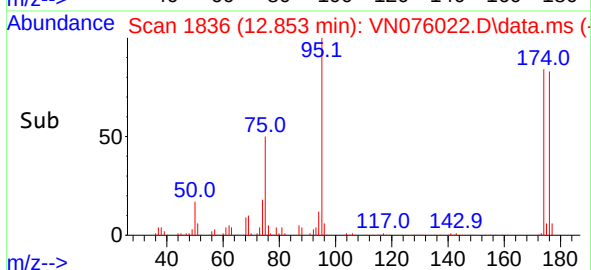
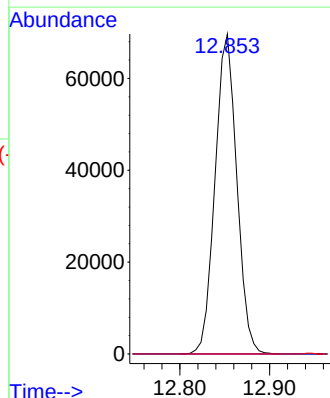
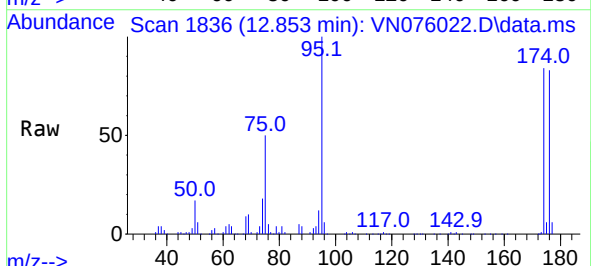
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#03

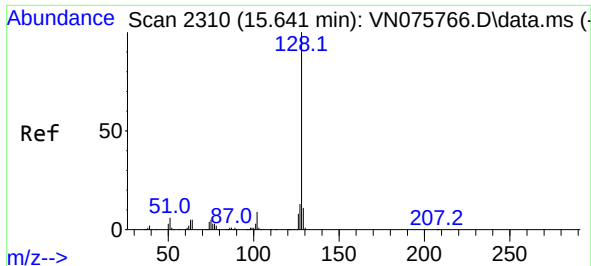
Tgt Ion: 75 Resp: 117049
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 89.768 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN076022.D
Acq: 29 Dec 2022 00:55

Tgt Ion: 75 Resp: 117049
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#





#95

Naphthalene

Concen: 2.576 ug/l

RT: 15.647 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN076022.D

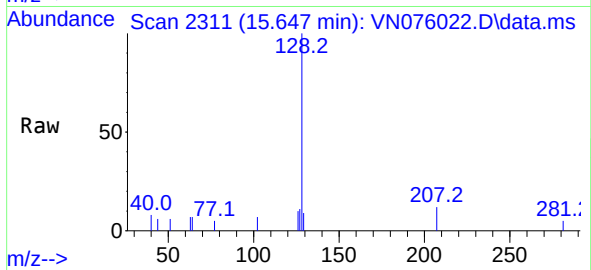
Acq: 29 Dec 2022 00:55

Instrument :

MSVOA_N

ClientSampleId :

PB149923ZHE#03



Tgt Ion:128 Resp: 5285

Ion Ratio Lower Upper

128 100

127 16.9 10.4 15.6#

129 8.6 8.7 13.1#

