

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122822\
 Data File : VN076021.D
 Acq On : 29 Dec 2022 00:31
 Operator : JC\MD
 Sample : PB149923ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB149923ZHE#02

Quant Time: Dec 29 07:48:47 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)

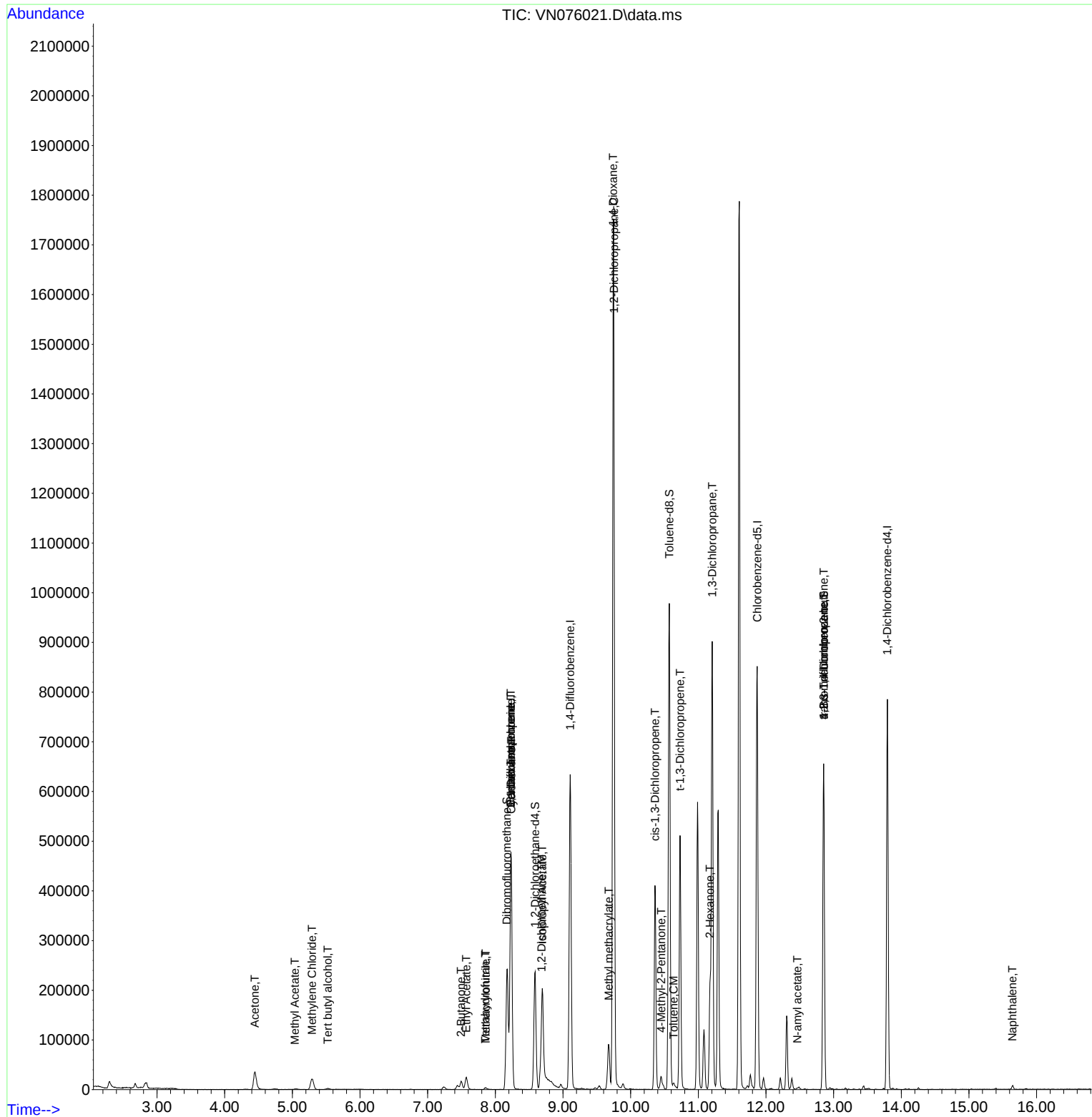
Internal Standards						
1) Pentafluorobenzene	8.230	168	378574	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	597810	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	527459	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	220684	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	190058	46.147	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.300%		
35) Dibromofluoromethane	8.171	113	174028	47.007	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.020%		
50) Toluene-d8	10.571	98	696421	50.312	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.620%		
62) 4-Bromofluorobenzene	12.853	95	218727	47.709	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.420%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.524	59	2778	4.767	ug/l #	72
16) Acetone	4.447	43	67492	47.538	ug/l	97
18) Methyl Acetate	5.036	43	1528	0.364	ug/l #	70
20) Methylene Chloride	5.289	84	19179	4.467	ug/l	97
25) 2-Butanone	7.494	43	24405	12.277	ug/l	92
29) Tetrahydrofuran	7.853	42	2700	2.167	ug/l #	80
31) Cyclohexane	8.235	56	6908	1.171	ug/l #	33
36) 1,1-Dichloropropene	8.230	75	25129	5.110	ug/l #	50
37) Ethyl Acetate	7.571	43	36621	9.270	ug/l	98
38) Carbon Tetrachloride	8.230	117	36927	6.709	ug/l #	16
41) Methacrylonitrile	7.859	41	1740	0.847	ug/l #	34
42) 1,2-Dichloroethane	8.682	62	1434	0.284	ug/l #	72
43) Isopropyl Acetate	8.694	43	286953	44.036	ug/l #	77
45) 1,2-Dichloropropane	9.753	63	2512	0.680	ug/l #	43
48) Methyl methacrylate	9.677	41	5583	1.902	ug/l #	34
49) 1,4-Dioxane	9.741	88	134	1.857	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	22773	5.779	ug/l #	75
52) Toluene	10.635	92	5198	0.526	ug/l	89
53) t-1,3-Dichloropropene	10.729	75	1492	0.284	ug/l	95
54) cis-1,3-Dichloropropene	10.359	75	82743	14.335	ug/l #	63
57) 1,3-Dichloropropane	11.206	76	10208	1.604	ug/l #	42
59) 2-Hexanone	11.171	43	154930	53.909	ug/l #	20
74) N-amyl acetate	12.465	43	2027	0.433	ug/l #	37
76) 1,2,3-Trichloropropane	12.853	75	113108	25.426	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	113108	91.522	ug/l #	12
95) Naphthalene	15.641	128	7892	2.806	ug/l #	93

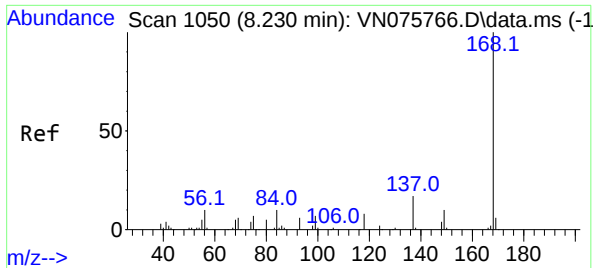
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122822\
Data File : VN076021.D
Acq On : 29 Dec 2022 00:31
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Sample : PB149923ZHE#02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_N
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Quant Time: Dec 29 07:48:47 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

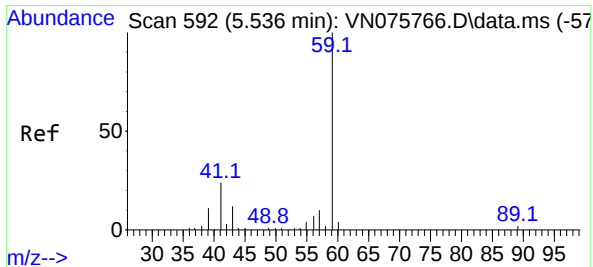
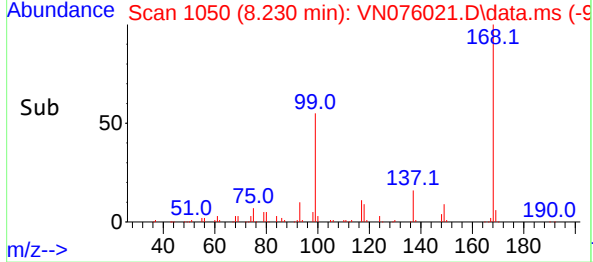
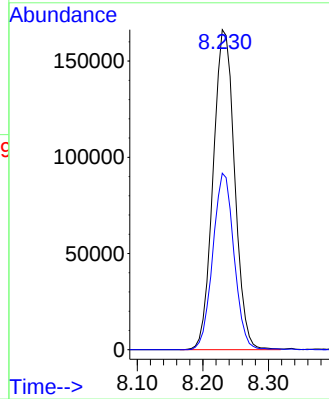
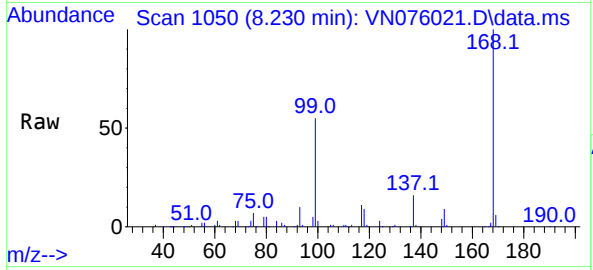




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN076021.D
Acq: 29 Dec 2022 00:31

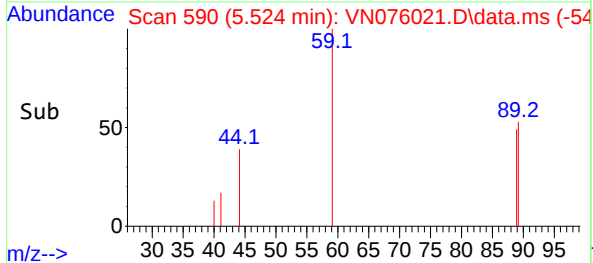
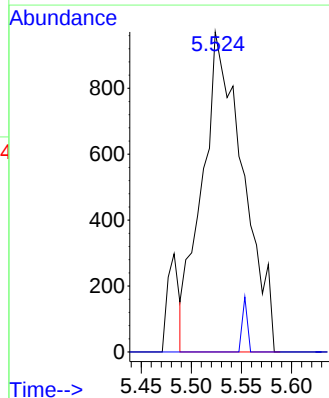
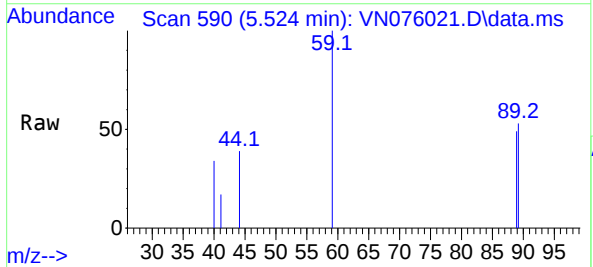
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#02

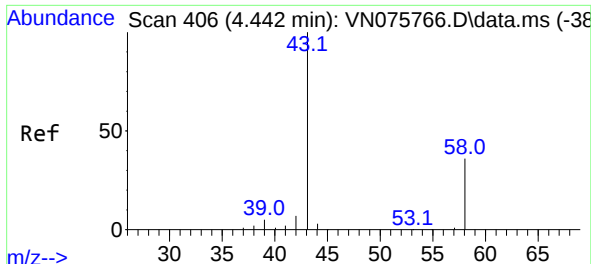
Tgt Ion:168 Resp: 378574
Ion Ratio Lower Upper
168 100
99 55.1 44.2 66.4



#11
Tert butyl alcohol
Concen: 4.767 ug/l
RT: 5.524 min Scan# 590
Delta R.T. -0.012 min
Lab File: VN076021.D
Acq: 29 Dec 2022 00:31

Tgt Ion: 59 Resp: 2778
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

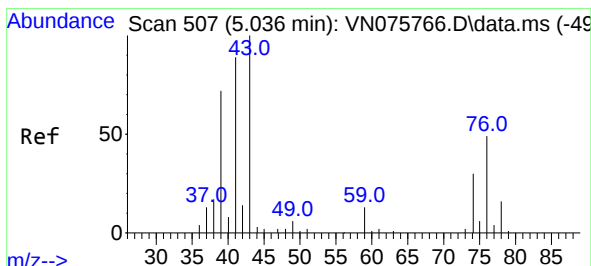
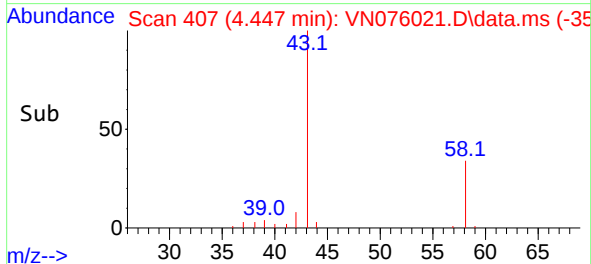
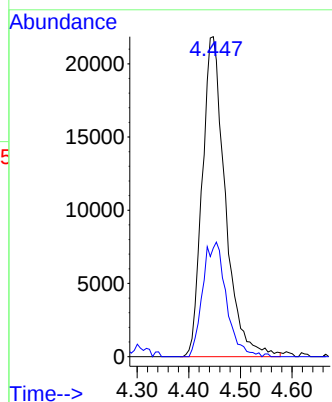
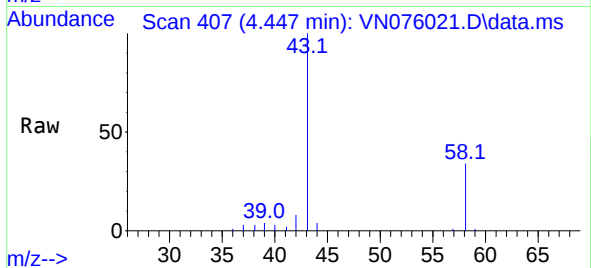




#16
Acetone
Concen: 47.538 ug/l
RT: 4.447 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN076021.D
Acq: 29 Dec 2022 00:31

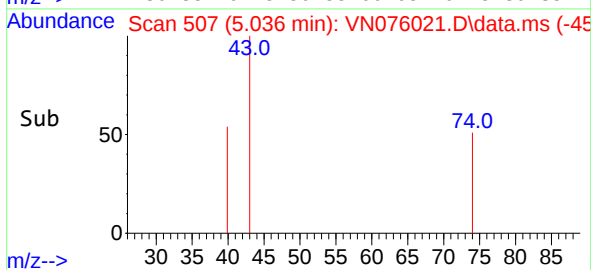
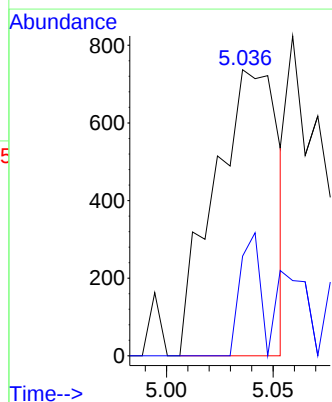
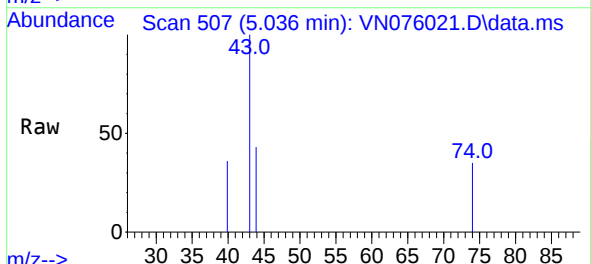
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#02

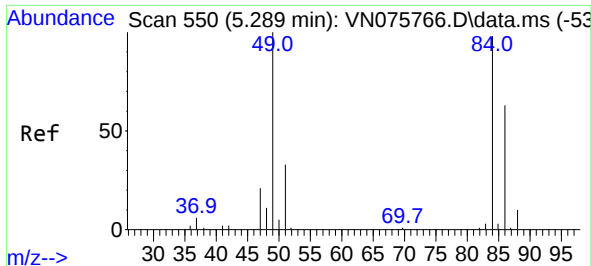
Tgt Ion: 43 Resp: 67492
Ion Ratio Lower Upper
43 100
58 34.0 28.6 43.0



#18
Methyl Acetate
Concen: 0.364 ug/l
RT: 5.036 min Scan# 507
Delta R.T. -0.000 min
Lab File: VN076021.D
Acq: 29 Dec 2022 00:31

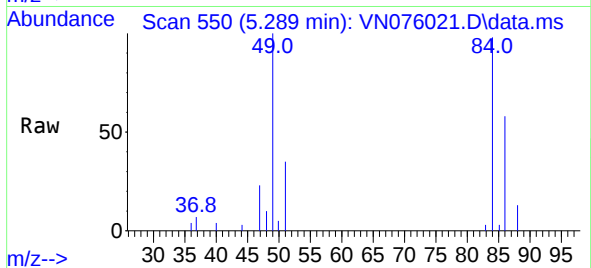
Tgt Ion: 43 Resp: 1528
Ion Ratio Lower Upper
43 100
74 13.3 23.6 35.4#





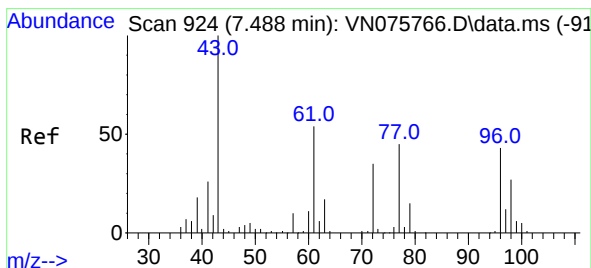
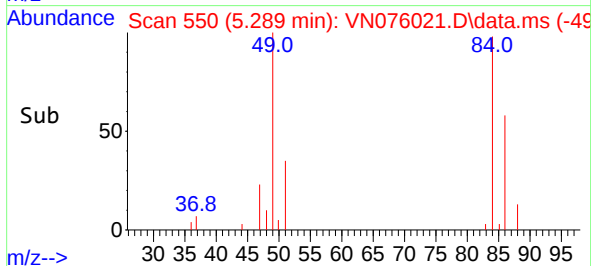
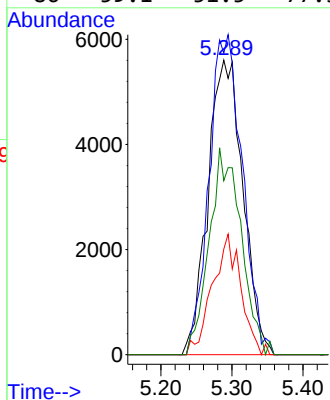
#20
Methylene Chloride
Concen: 4.467 ug/l
RT: 5.289 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN076021.D
Acq: 29 Dec 2022 00:31

Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#02



Tgt Ion: 84 Resp: 19179

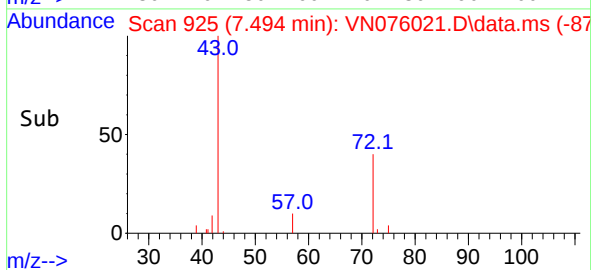
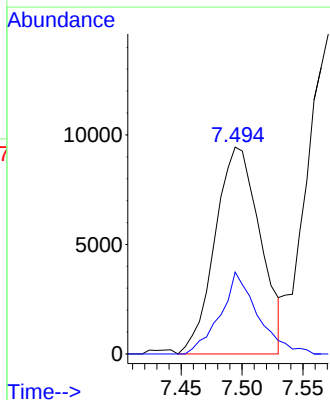
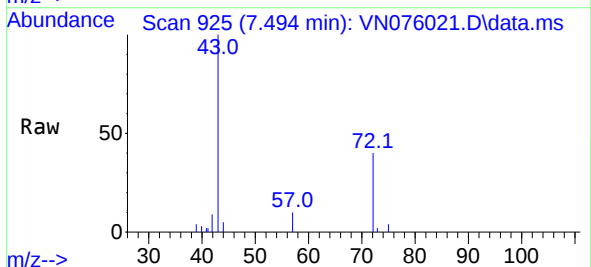
Ion	Ratio	Lower	Upper
84	100		
49	102.4	81.8	122.6
51	35.8	26.7	40.1
86	59.1	51.5	77.3

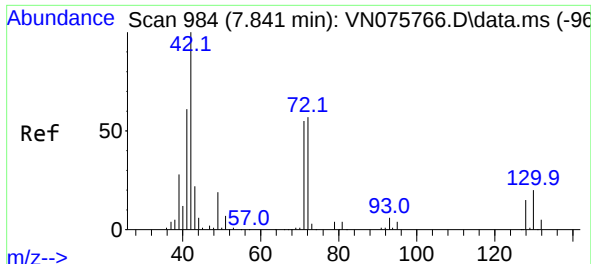


#25
2-Butanone
Concen: 12.277 ug/l
RT: 7.494 min Scan# 925
Delta R.T. 0.006 min
Lab File: VN076021.D
Acq: 29 Dec 2022 00:31

Tgt Ion: 43 Resp: 24405

Ion	Ratio	Lower	Upper
43	100		
72	39.6	28.0	42.0

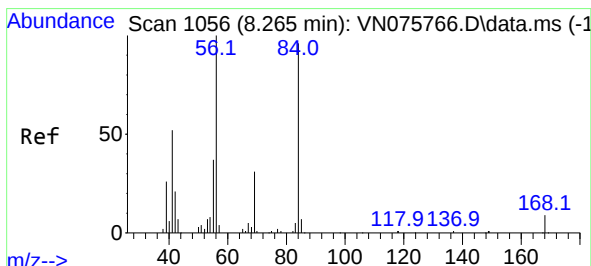
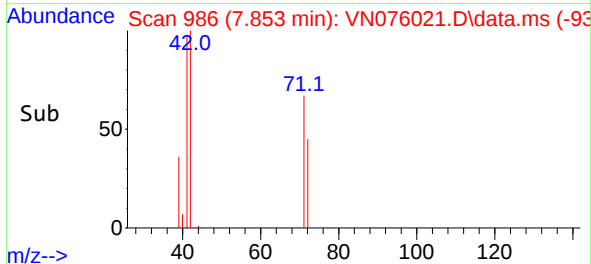
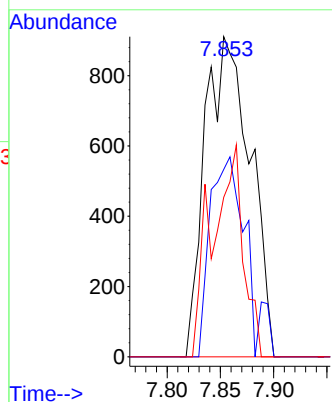
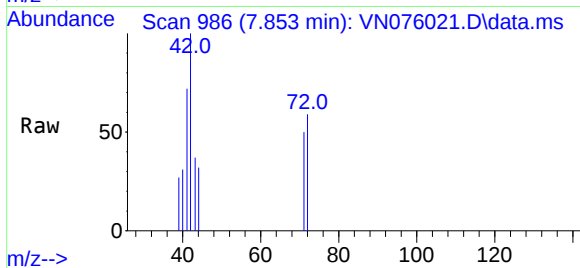




#29
Tetrahydrofuran
Concen: 2.167 ug/l
RT: 7.853 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN076021.D
Acq: 29 Dec 2022 00:31

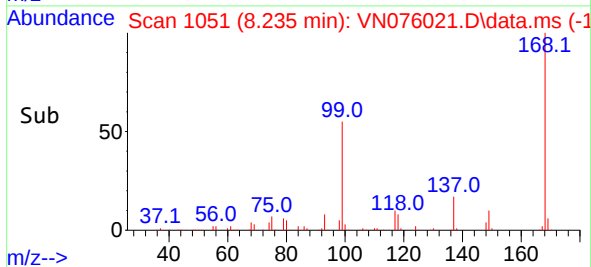
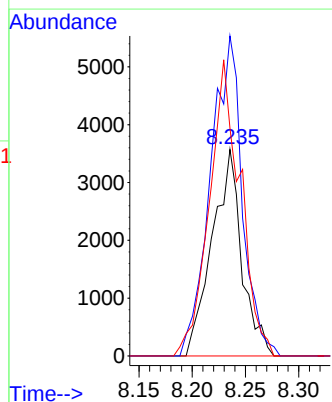
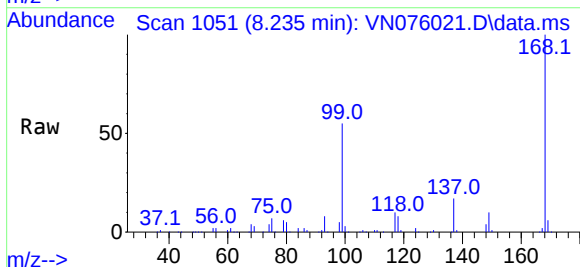
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#02

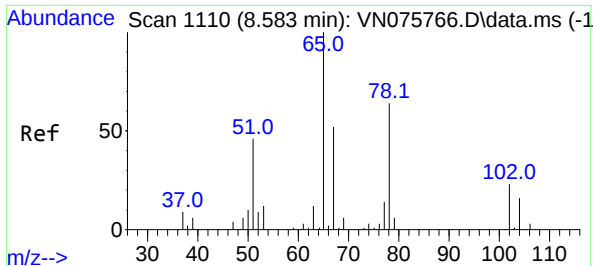
Tgt Ion: 42 Resp: 2700
Ion Ratio Lower Upper
42 100
72 49.8 44.5 66.7
71 28.1 41.0 61.6#



#31
Cyclohexane
Concen: 1.171 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.029 min
Lab File: VN076021.D
Acq: 29 Dec 2022 00:31

Tgt Ion: 56 Resp: 6908
Ion Ratio Lower Upper
56 100
69 154.9 24.7 37.1#
84 110.3 76.5 114.7

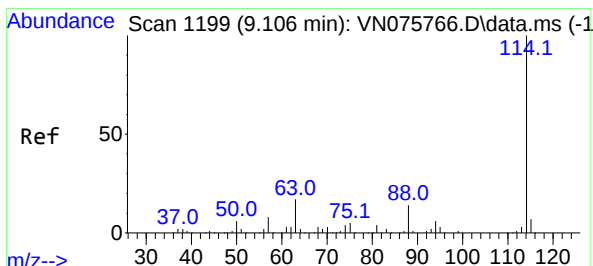
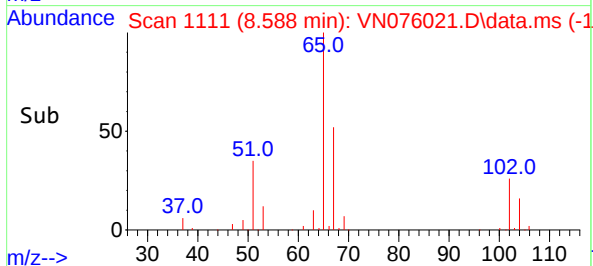
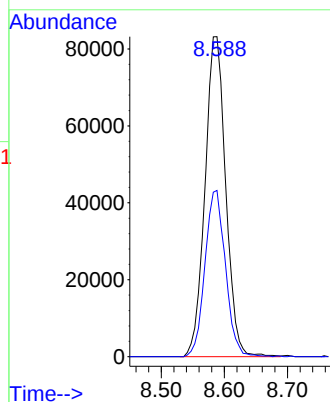
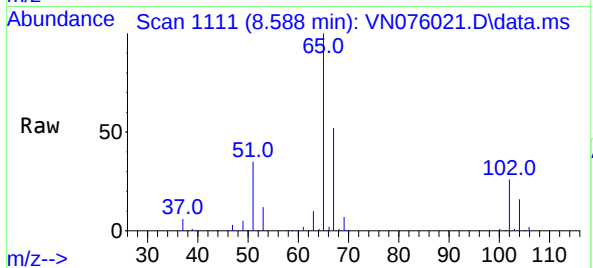




#33
1,2-Dichloroethane-d4
Concen: 46.147 ug/l
RT: 8.588 min Scan# 1110
Delta R.T. 0.006 min
Lab File: VN076021.D
Acq: 29 Dec 2022 00:31

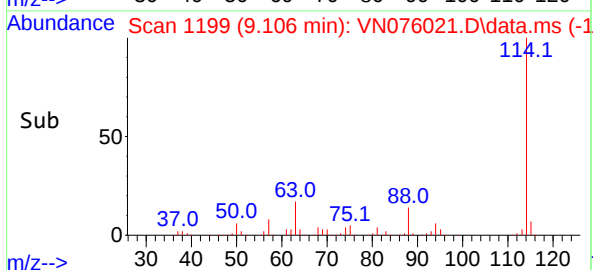
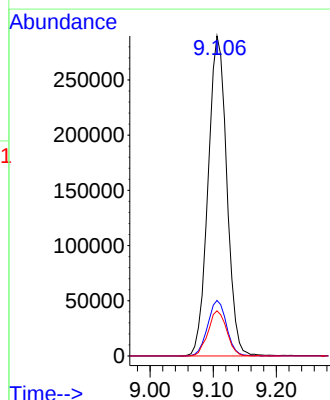
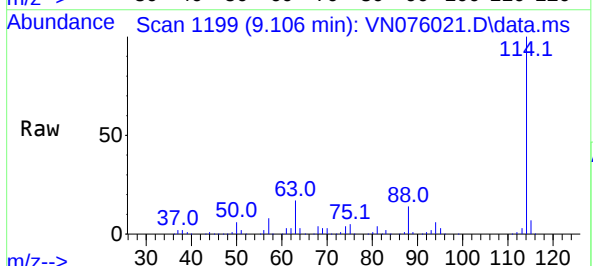
Instrument :
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ClientSampleId :
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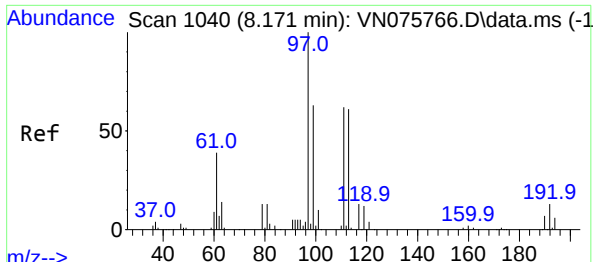
Tgt Ion: 65 Resp: 190058
Ion Ratio Lower Upper
65 100
67 51.2 0.0 103.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN076021.D
Acq: 29 Dec 2022 00:31

Tgt Ion: 114 Resp: 597810
Ion Ratio Lower Upper
114 100
63 17.3 0.0 34.4
88 14.1 0.0 28.8

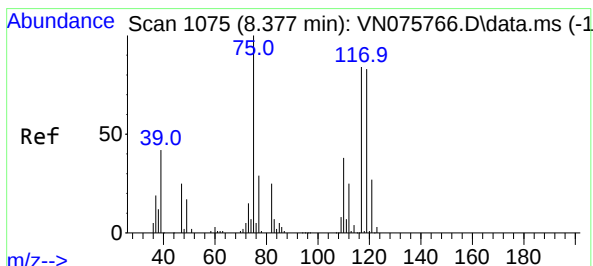
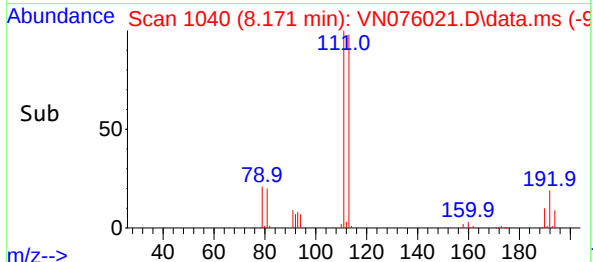
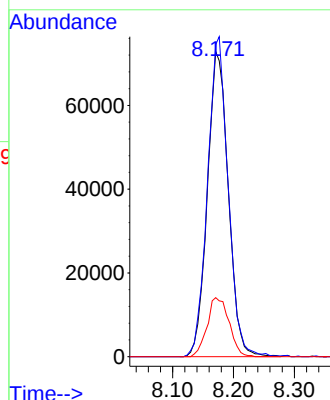
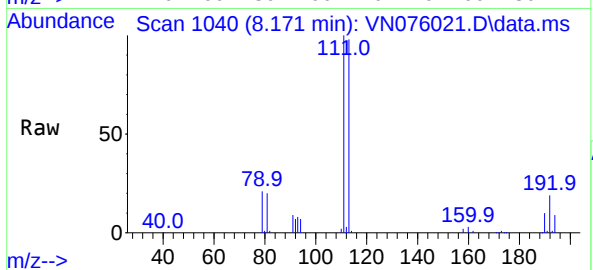




#35
Dibromofluoromethane
Concen: 47.007 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN076021.D
Acq: 29 Dec 2022 00:31

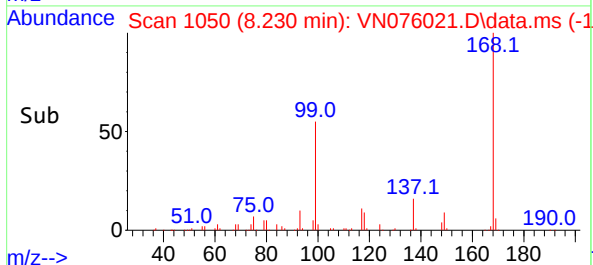
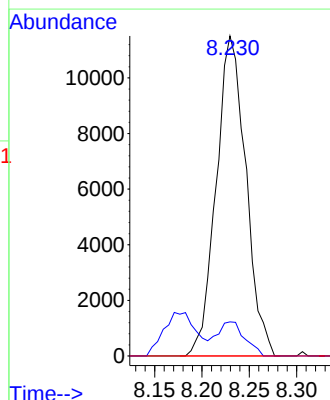
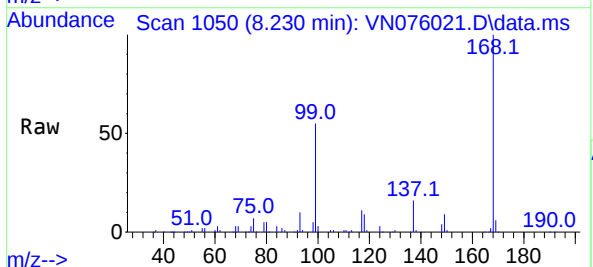
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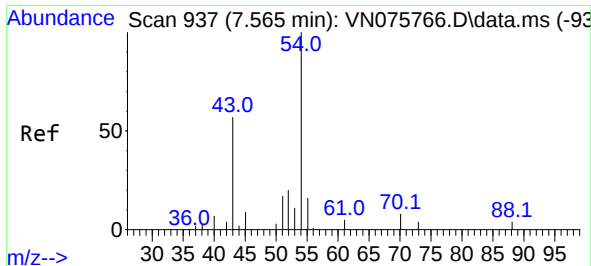
Tgt Ion:113 Resp: 174028
Ion Ratio Lower Upper
113 100
111 103.0 83.4 125.2
192 20.2 16.1 24.1



#36
1,1-Dichloropropene
Concen: 5.110 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN076021.D
Acq: 29 Dec 2022 00:31

Tgt Ion: 75 Resp: 25129
Ion Ratio Lower Upper
75 100
110 9.9 18.8 56.4#
77 0.0 24.1 36.1#

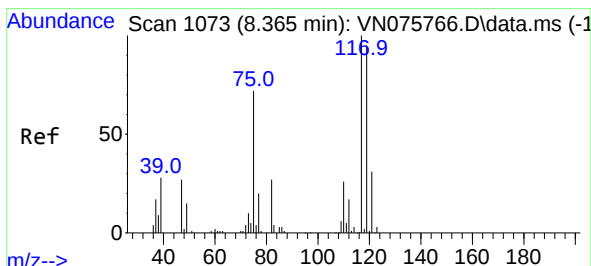
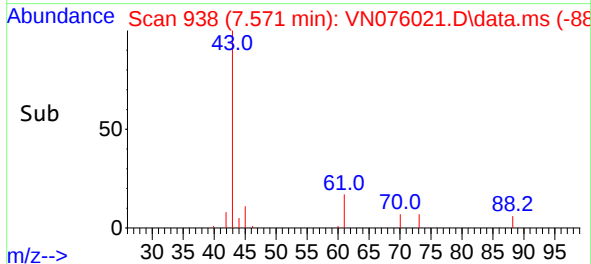
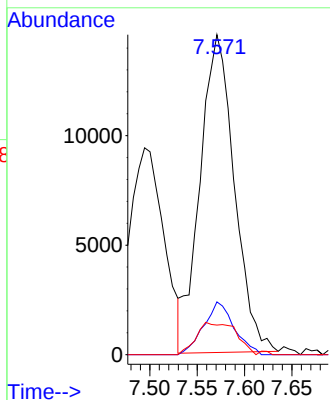
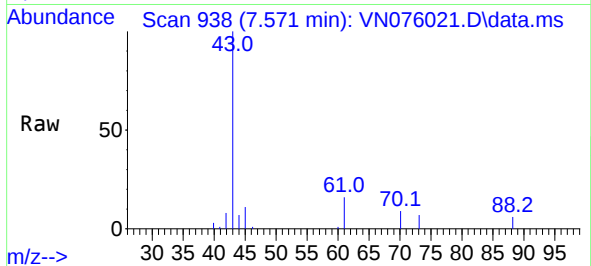




#37
Ethyl Acetate
Concen: 9.270 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN076021.D
Acq: 29 Dec 2022 00:31

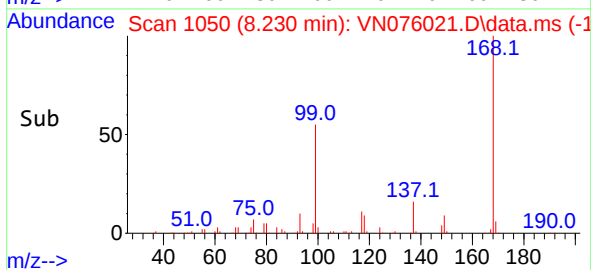
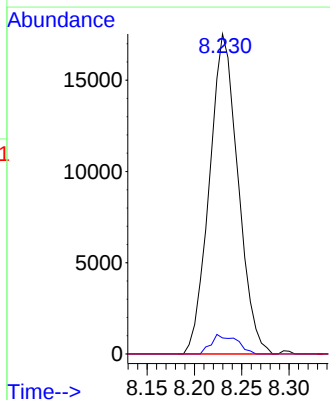
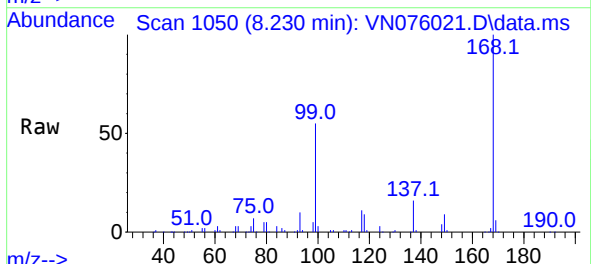
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#02

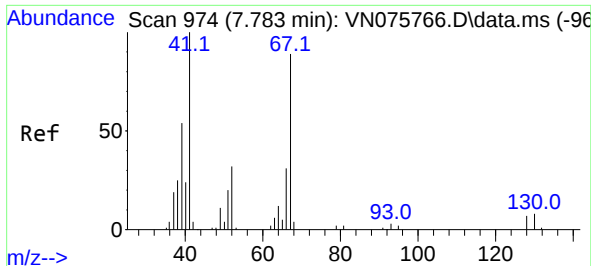
Tgt Ion: 43 Resp: 36621
Ion Ratio Lower Upper
43 100
61 14.8 13.0 19.4
70 11.7 9.4 14.0



#38
Carbon Tetrachloride
Concen: 6.709 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN076021.D
Acq: 29 Dec 2022 00:31

Tgt Ion: 117 Resp: 36927
Ion Ratio Lower Upper
117 100
119 5.0 76.1 114.1#
121 0.0 24.5 36.7#

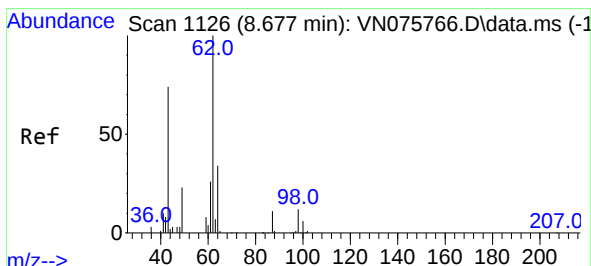
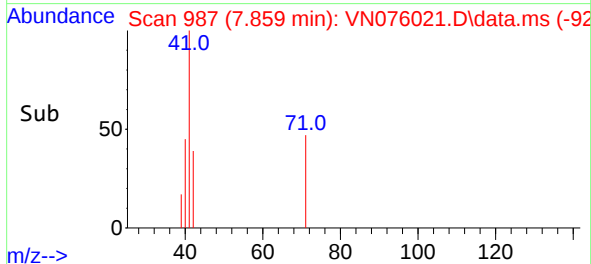
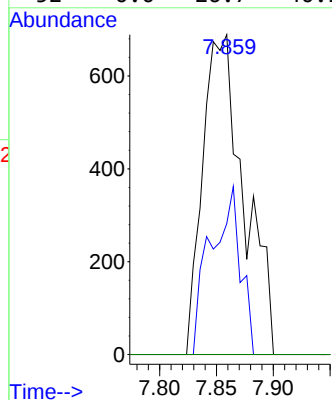
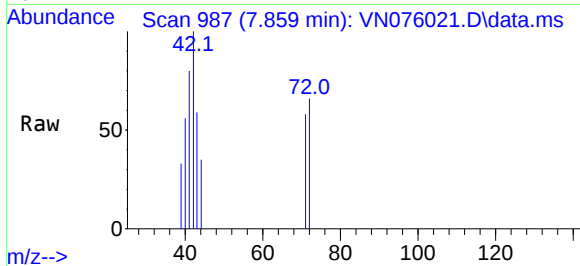




#41
Methacrylonitrile
Concen: 0.847 ug/l
RT: 7.859 min Scan# 91
Delta R.T. 0.076 min
Lab File: VN076021.D
Acq: 29 Dec 2022 00:31

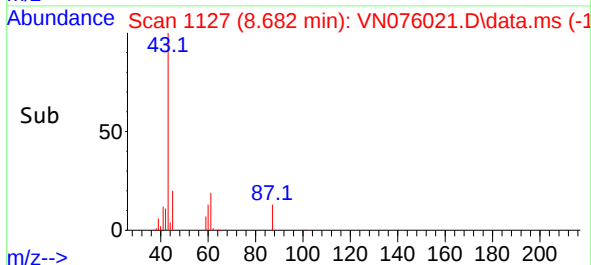
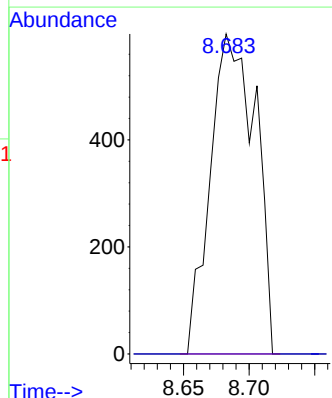
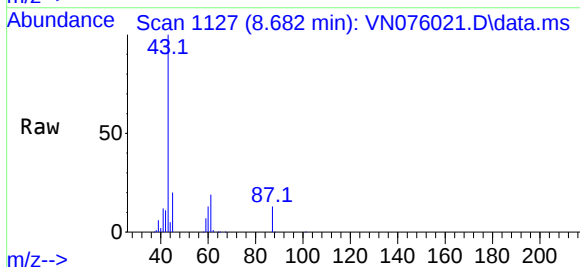
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#02

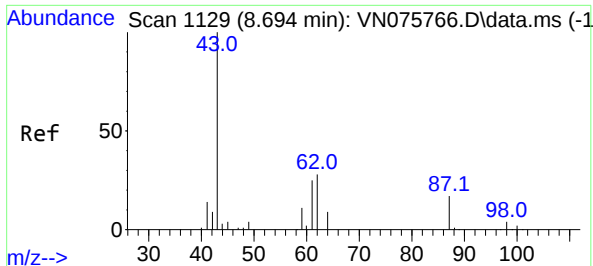
Tgt Ion: 41 Resp: 1740
Ion Ratio Lower Upper
41 100
39 38.0 43.1 64.7#
67 0.0 70.7 106.1#
52 0.0 26.7 40.1#



#42
1,2-Dichloroethane
Concen: 0.284 ug/l
RT: 8.682 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN076021.D
Acq: 29 Dec 2022 00:31

Tgt Ion: 62 Resp: 1434
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.8

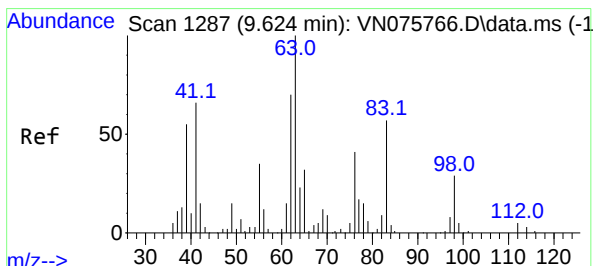
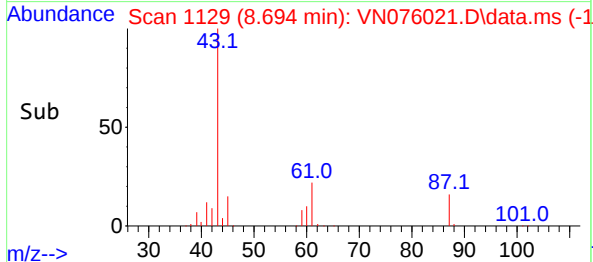
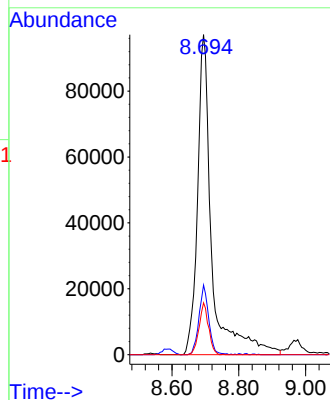
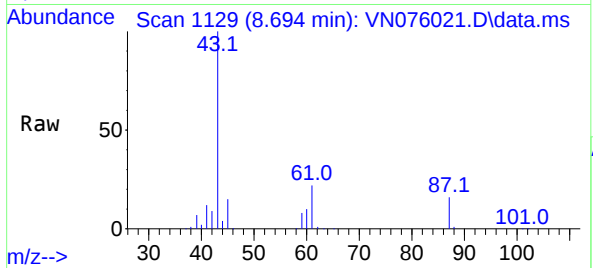




#43
Isopropyl Acetate
Concen: 44.036 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VN076021.D
Acq: 29 Dec 2022 00:31

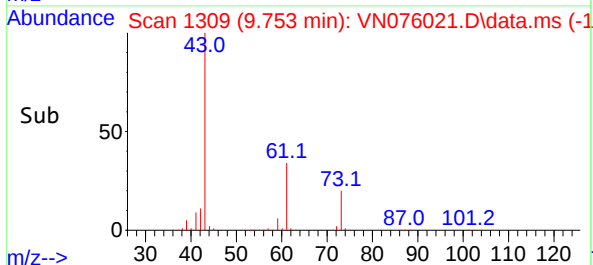
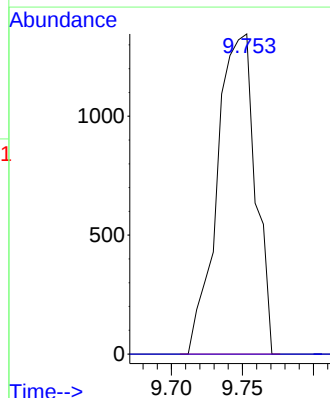
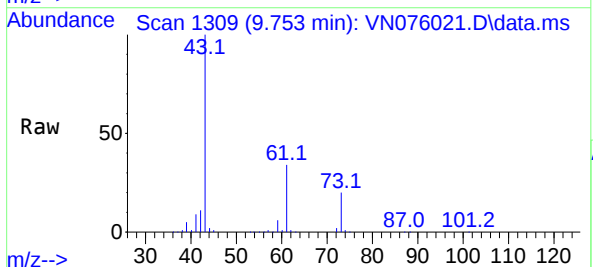
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#02

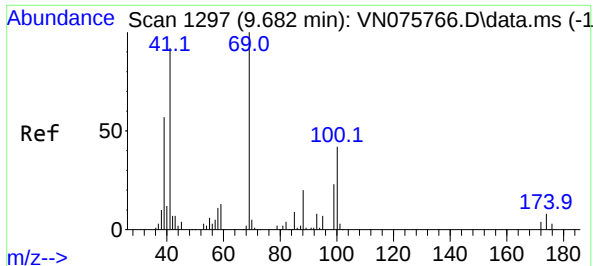
Tgt Ion: 43 Resp: 286953
Ion Ratio Lower Upper
43 100
61 14.9 24.2 36.4#
87 10.8 13.3 19.9#



#45
1,2-Dichloropropane
Concen: 0.680 ug/l
RT: 9.753 min Scan# 1309
Delta R.T. 0.129 min
Lab File: VN076021.D
Acq: 29 Dec 2022 00:31

Tgt Ion: 63 Resp: 2512
Ion Ratio Lower Upper
63 100
65 0.0 25.7 38.5#

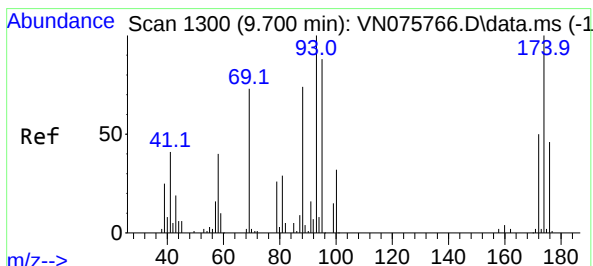
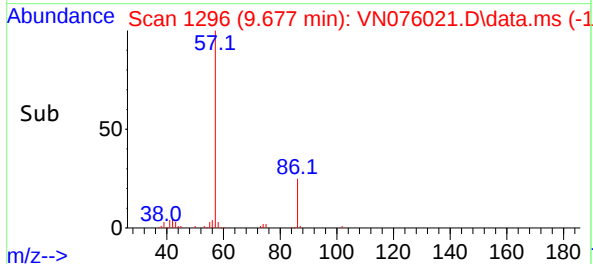
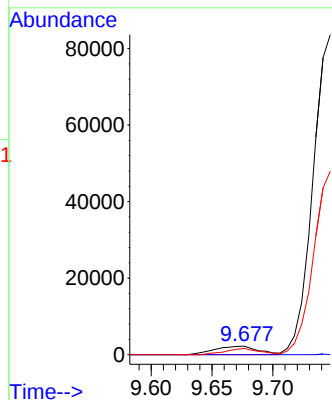
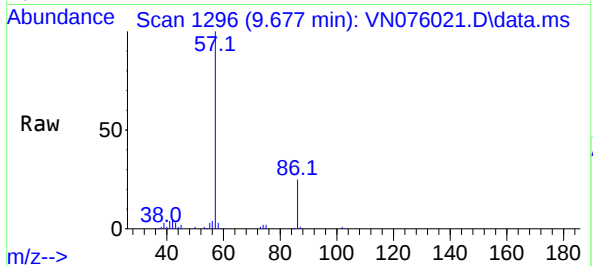




#48
Methyl methacrylate
Concen: 1.902 ug/l
RT: 9.677 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN076021.D
Acq: 29 Dec 2022 00:31

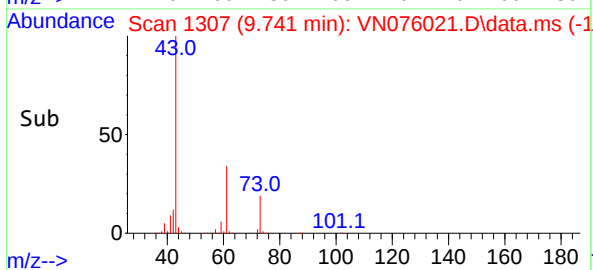
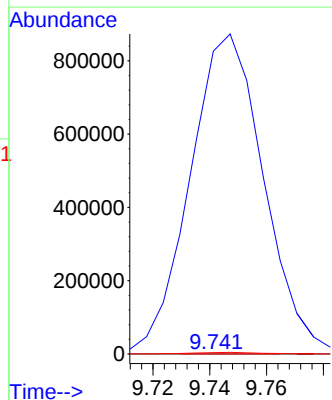
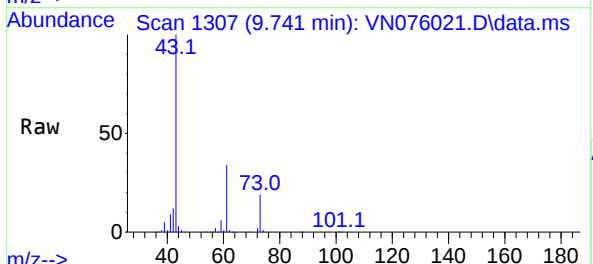
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#02

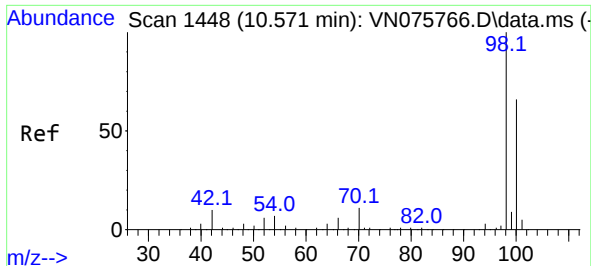
Tgt Ion: 41 Resp: 5583
Ion Ratio Lower Upper
41 100
69 0.0 81.9 122.9#
39 57.2 51.6 77.4



#49
1,4-Dioxane
Concen: 1.857 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.041 min
Lab File: VN076021.D
Acq: 29 Dec 2022 00:31

Tgt Ion: 88 Resp: 134
Ion Ratio Lower Upper
88 100
43 1186887.3 17.1 25.7#
58 5378.4 47.8 71.8#

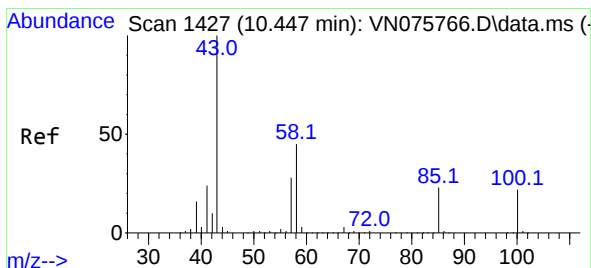
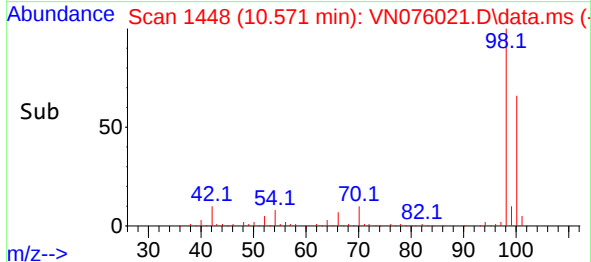
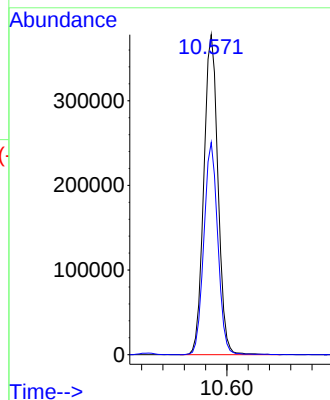
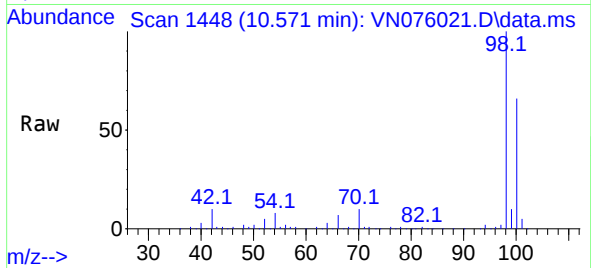




#50
Toluene-d8
Concen: 50.312 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN076021.D
Acq: 29 Dec 2022 00:31

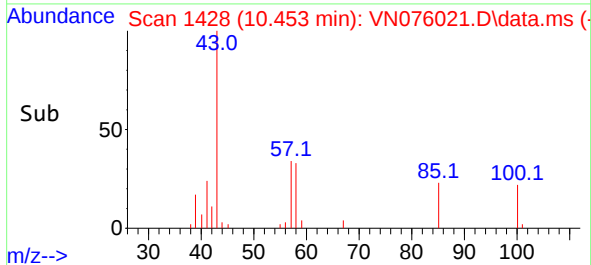
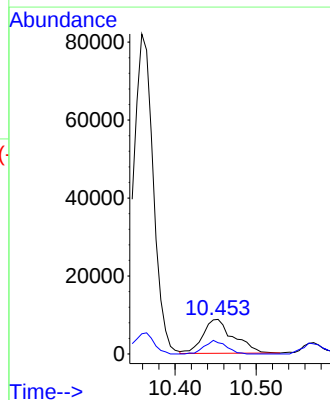
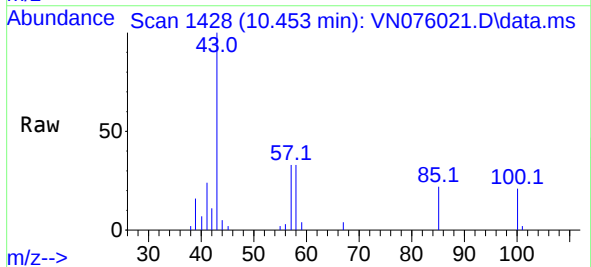
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#02

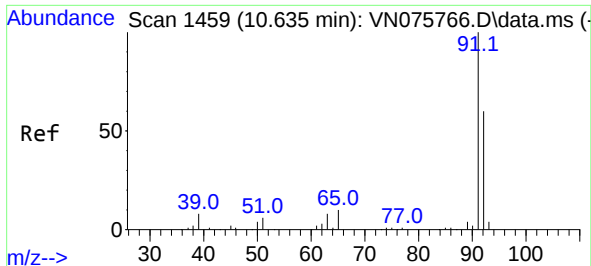
Tgt Ion: 98 Resp: 696421
Ion Ratio Lower Upper
98 100
100 65.1 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 5.779 ug/l
RT: 10.453 min Scan# 1428
Delta R.T. 0.006 min
Lab File: VN076021.D
Acq: 29 Dec 2022 00:31

Tgt Ion: 43 Resp: 22773
Ion Ratio Lower Upper
43 100
58 28.1 35.5 53.3#

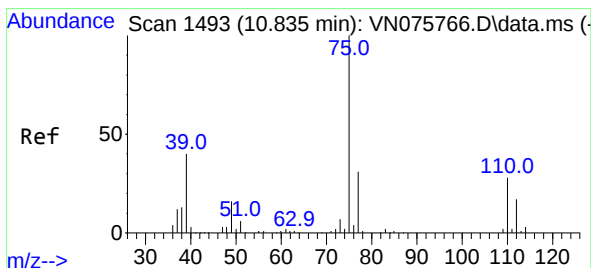
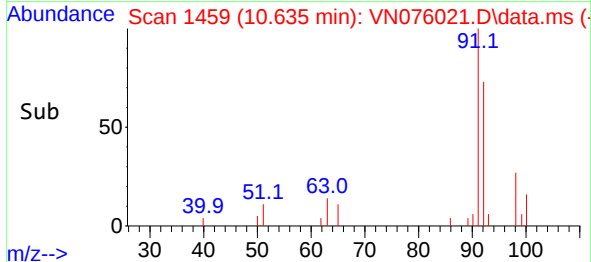
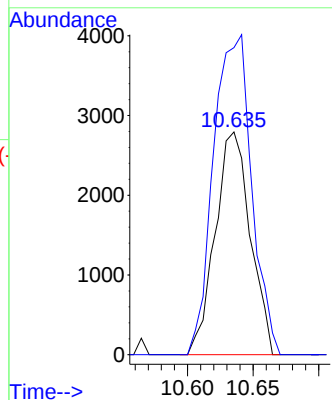
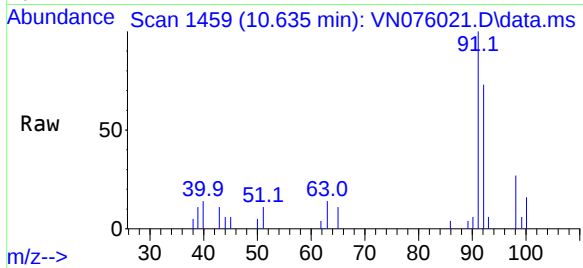




#52
Toluene
Concen: 0.526 ug/l
RT: 10.635 min Scan# 1459
Delta R.T. -0.000 min
Lab File: VN076021.D
Acq: 29 Dec 2022 00:31

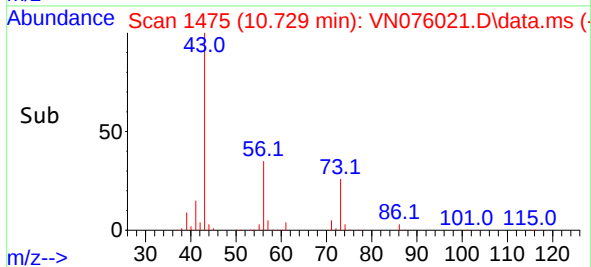
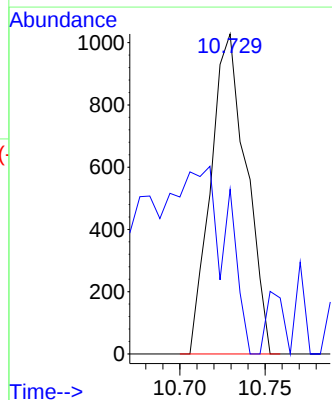
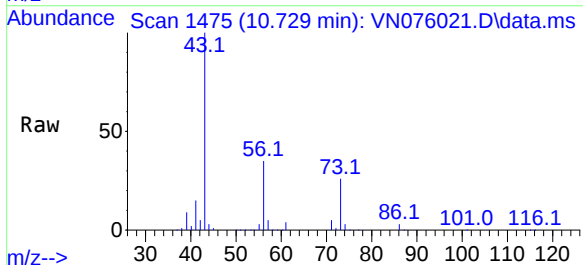
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#02

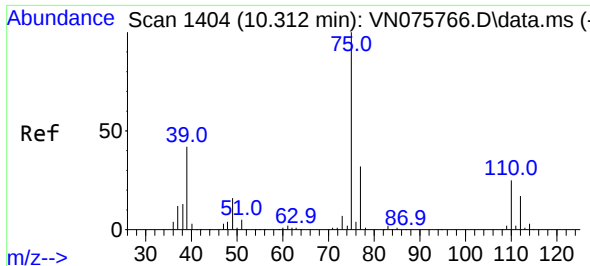
Tgt Ion: 92 Resp: 5198
Ion Ratio Lower Upper
92 100
91 156.1 137.3 205.9



#53
t-1,3-Dichloropropene
Concen: 0.284 ug/l
RT: 10.729 min Scan# 1475
Delta R.T. -0.106 min
Lab File: VN076021.D
Acq: 29 Dec 2022 00:31

Tgt Ion: 75 Resp: 1492
Ion Ratio Lower Upper
75 100
77 33.9 24.9 37.3

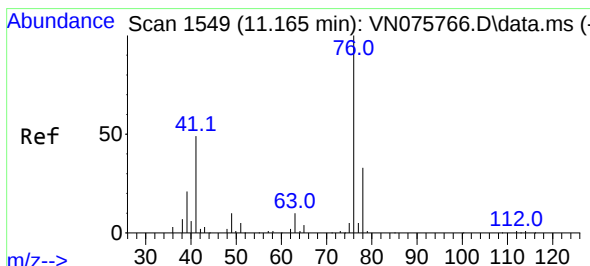
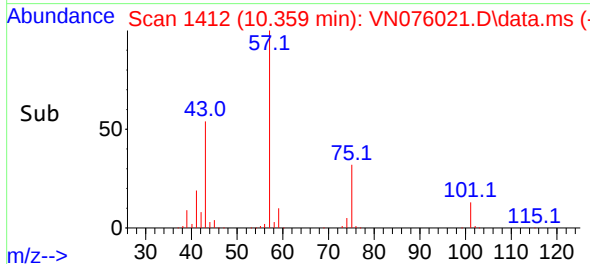
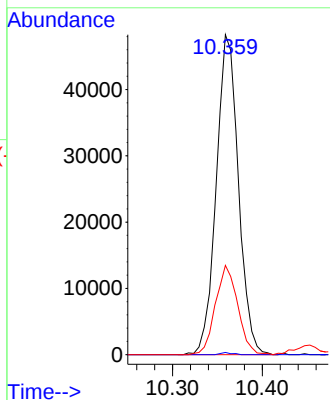
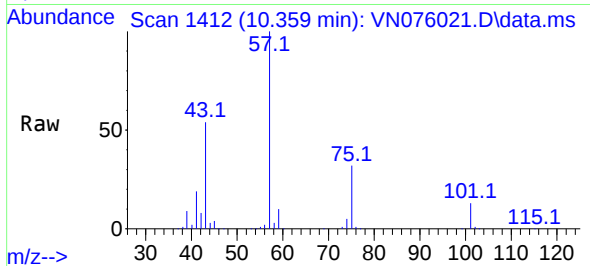




#54
cis-1,3-Dichloropropene
Concen: 14.335 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. 0.047 min
Lab File: VN076021.D
Acq: 29 Dec 2022 00:31

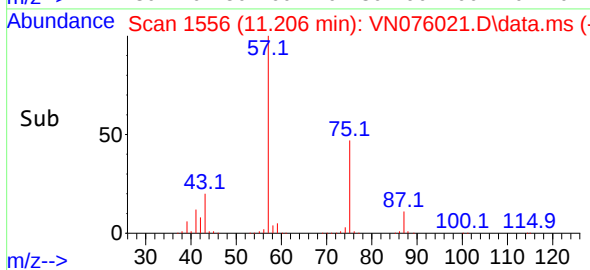
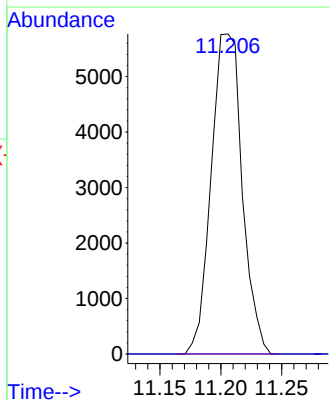
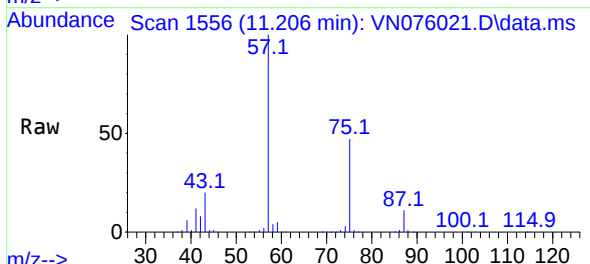
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#02

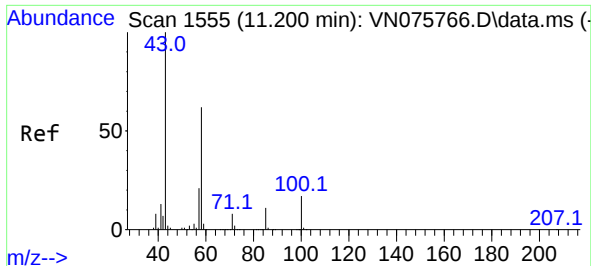
Tgt Ion: 75 Resp: 82743
Ion Ratio Lower Upper
75 100
77 0.7 25.8 38.8#
39 27.9 33.4 50.2#



#57
1,3-Dichloropropane
Concen: 1.604 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN076021.D
Acq: 29 Dec 2022 00:31

Tgt Ion: 76 Resp: 10208
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

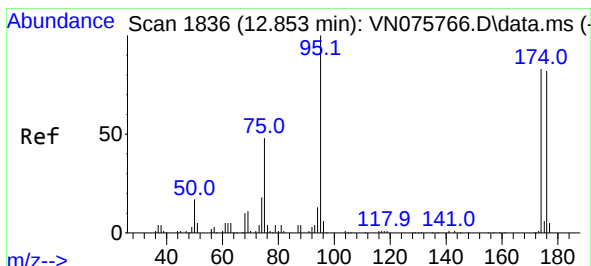
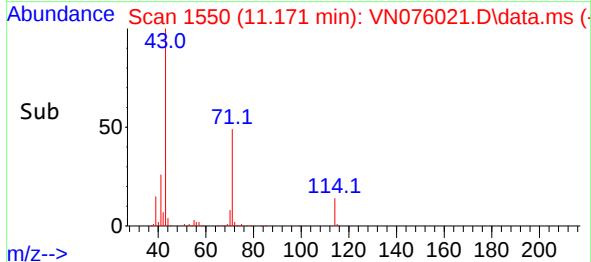
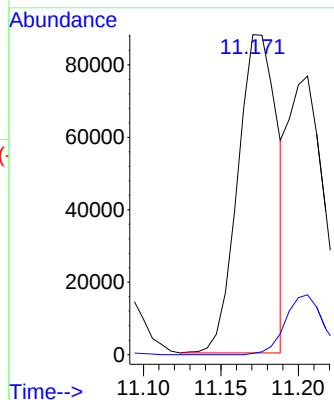
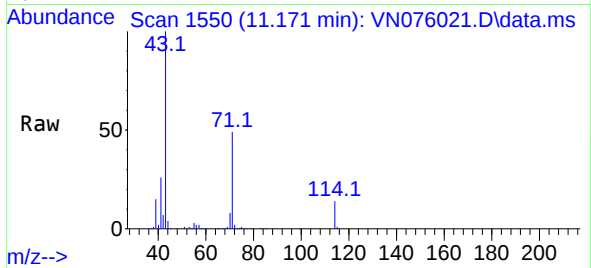




#59
2-Hexanone
Concen: 53.909 ug/l
RT: 11.171 min Scan# 1150
Delta R.T. -0.029 min
Lab File: VN076021.D
Acq: 29 Dec 2022 00:31

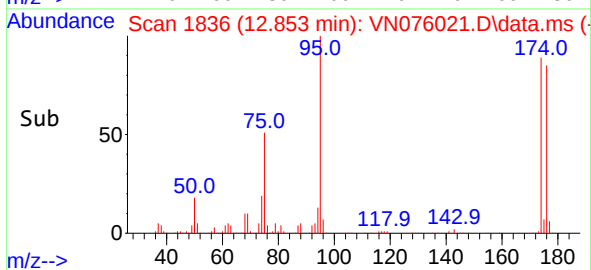
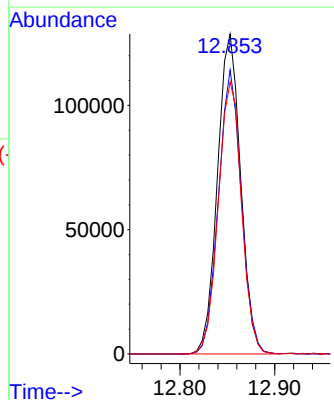
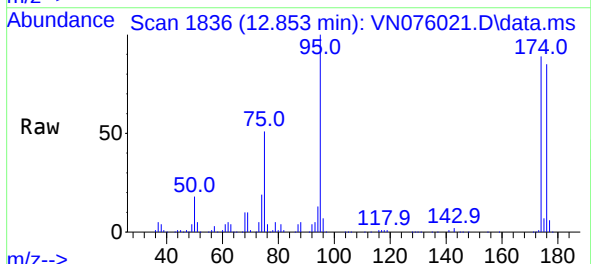
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#02

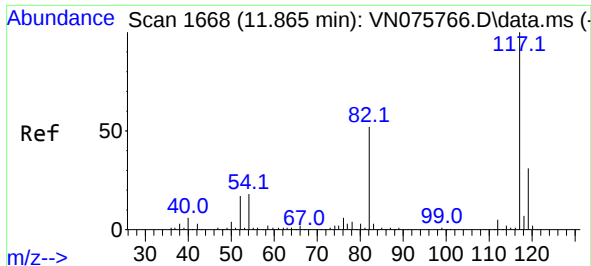
Tgt Ion: 43 Resp: 154930
Ion Ratio Lower Upper
43 100
58 0.0 30.6 92.0#



#62
4-Bromofluorobenzene
Concen: 47.709 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN076021.D
Acq: 29 Dec 2022 00:31

Tgt Ion: 95 Resp: 218727
Ion Ratio Lower Upper
95 100
174 87.8 0.0 171.6
176 85.2 0.0 169.2

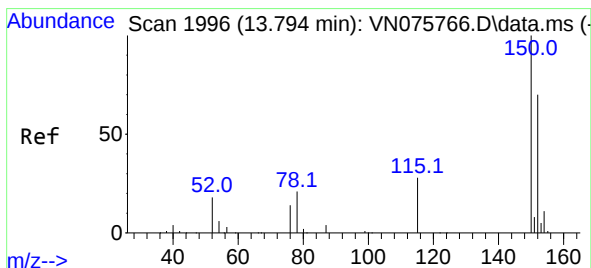
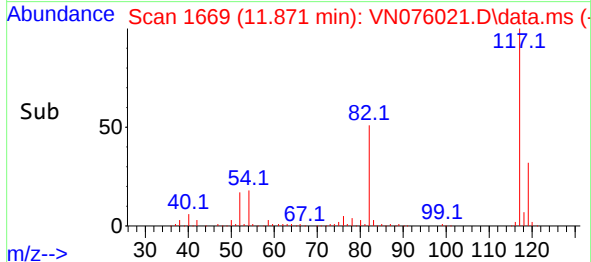
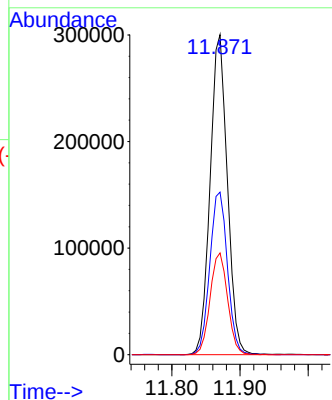
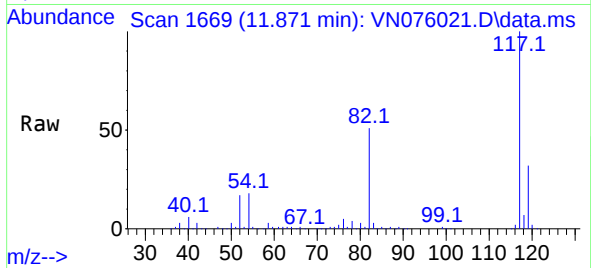




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN076021.D
Acq: 29 Dec 2022 00:31

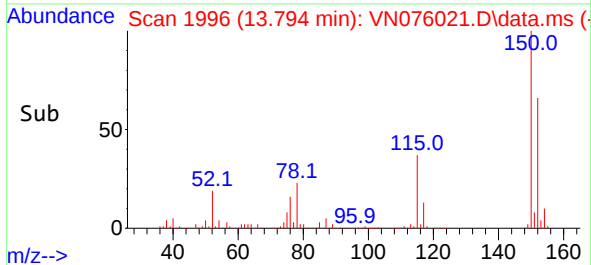
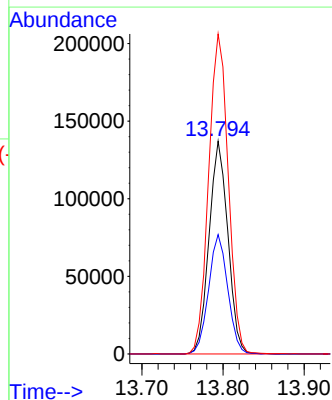
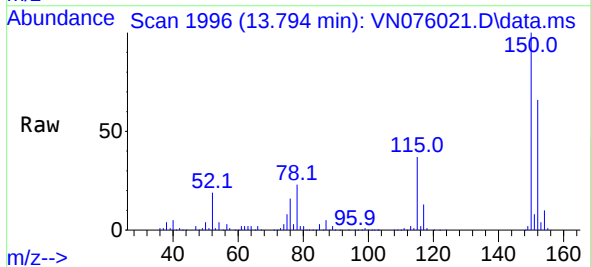
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#02

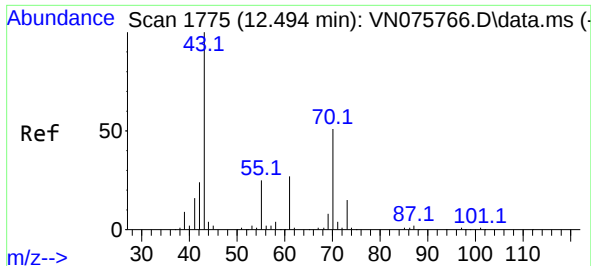
Tgt Ion:117 Resp: 527459
Ion Ratio Lower Upper
117 100
82 50.8 41.3 61.9
119 31.8 24.6 37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN076021.D
Acq: 29 Dec 2022 00:31

Tgt Ion:152 Resp: 220684
Ion Ratio Lower Upper
152 100
115 57.1 29.1 87.4
150 156.8 0.0 347.0



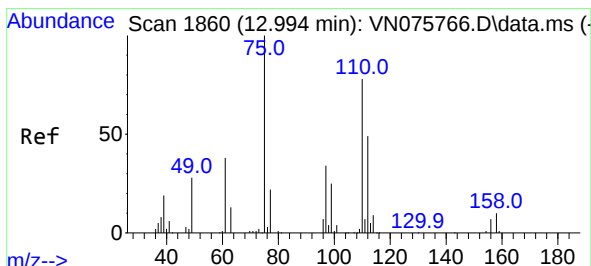
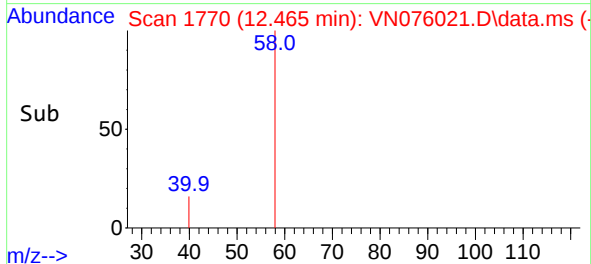
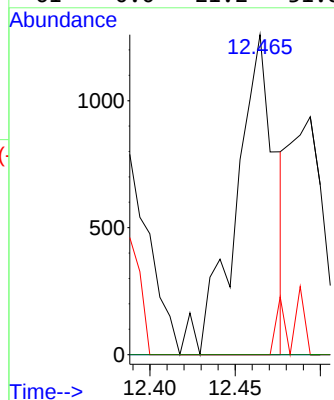
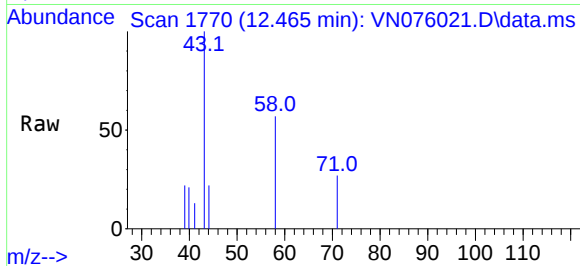


#74
N-amy1 acetate
Concen: 0.433 ug/l
RT: 12.465 min Scan# 1
Delta R.T. -0.029 min
Lab File: VN076021.D
Acq: 29 Dec 2022 00:31

Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#02

Tgt Ion: 43 Resp: 2027

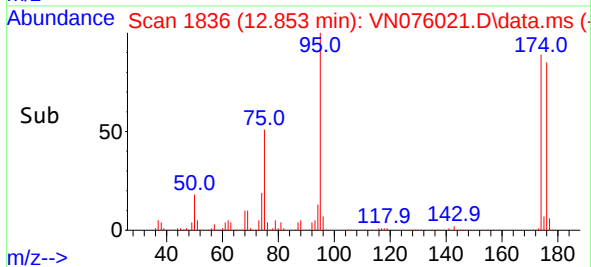
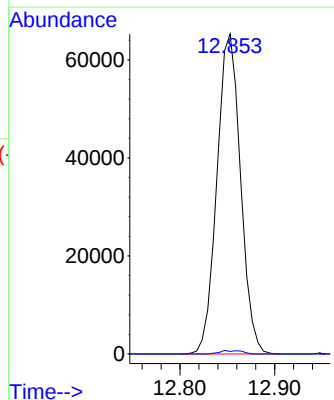
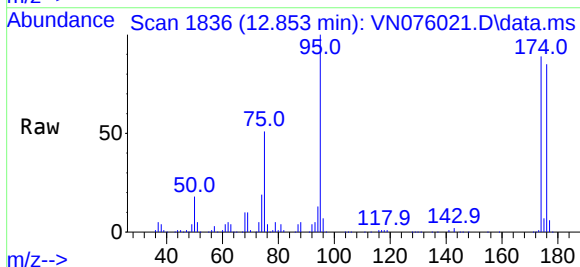
Ion	Ratio	Lower	Upper
43	100		
70	0.0	41.4	62.0#
55	0.0	21.3	31.9#
61	0.0	21.2	31.8#

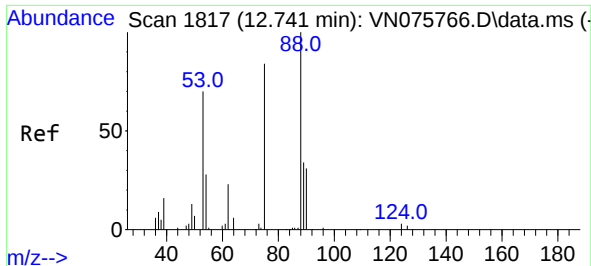


#76
1,2,3-Trichloropropane
Concen: 25.426 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076021.D
Acq: 29 Dec 2022 00:31

Tgt Ion: 75 Resp: 113108

Ion	Ratio	Lower	Upper
75	100		
77	1.0	82.6	247.8#

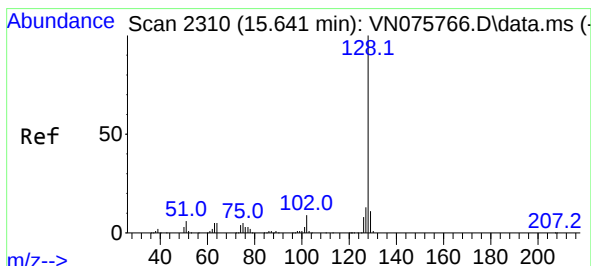
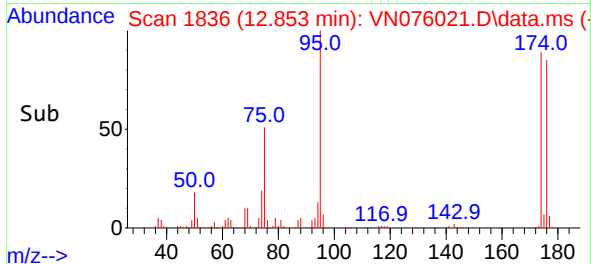
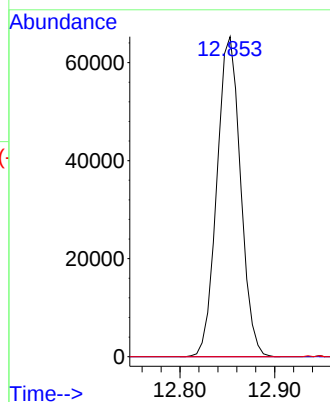
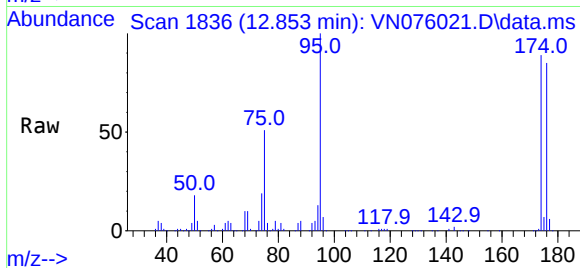




#81
trans-1,4-Dichloro-2-butene
Concen: 91.522 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN076021.D
Acq: 29 Dec 2022 00:31

Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#02

Tgt Ion: 75 Resp: 113108
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#



#95
Naphthalene
Concen: 2.806 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. -0.000 min
Lab File: VN076021.D
Acq: 29 Dec 2022 00:31

Tgt Ion:128 Resp: 7892
Ion Ratio Lower Upper
128 100
127 11.9 10.4 15.6
129 6.5 8.7 13.1#

