

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122822\
 Data File : VN076029.D
 Acq On : 29 Dec 2022 03:43
 Operator : JC\MD
 Sample : PB149923ZHE#10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB149923ZHE#10

Quant Time: Dec 29 07:50:44 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)

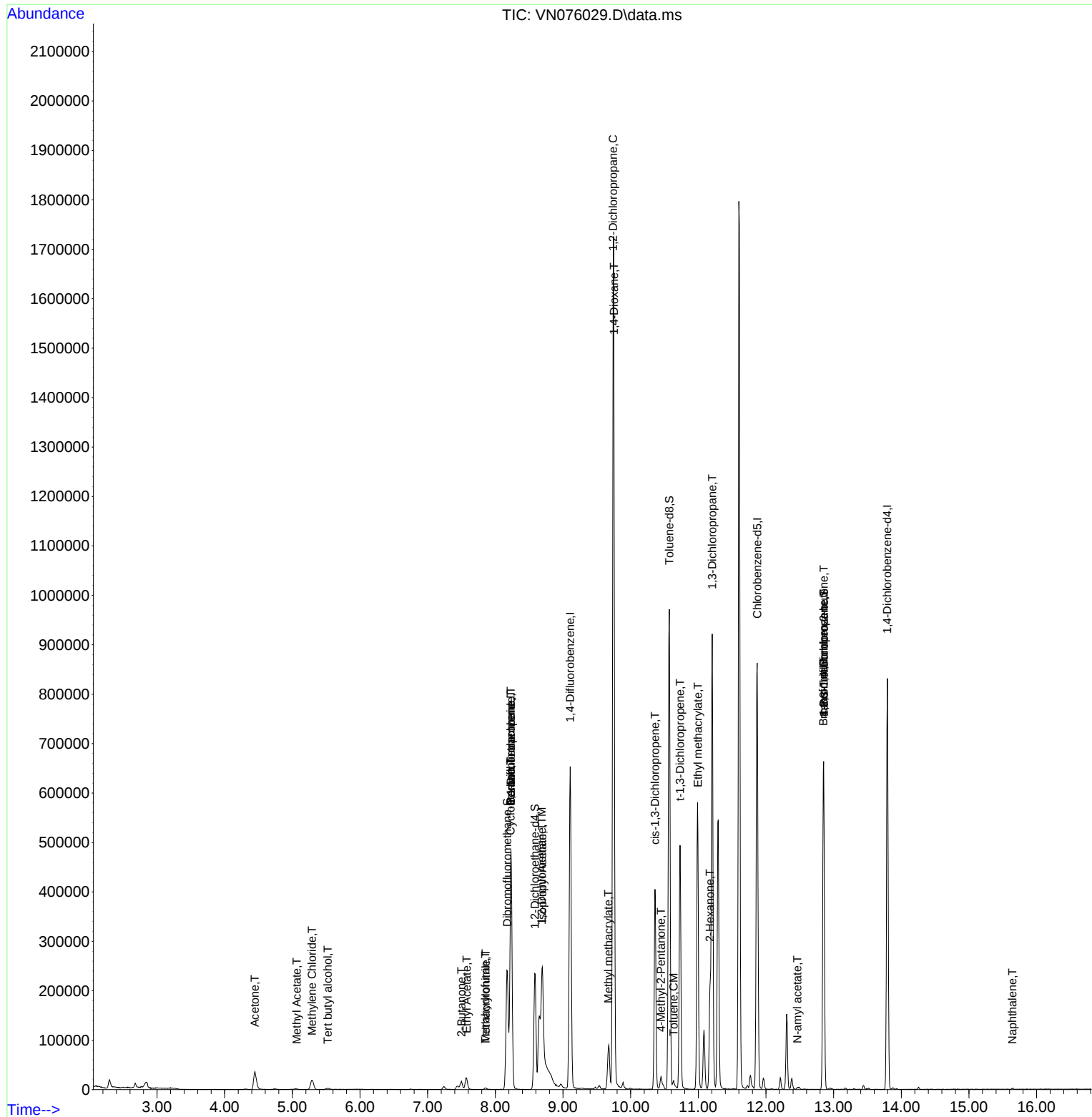
Internal Standards						
1) Pentafluorobenzene	8.230	168	377946	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	596816	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	537374	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	232724	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	192640	46.852	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.700%		
35) Dibromofluoromethane	8.177	113	176193	47.671	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.340%		
50) Toluene-d8	10.571	98	698482	50.545	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.100%		
62) 4-Bromofluorobenzene	12.853	95	225741	49.321	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.640%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.524	59	2381	4.092	ug/l #	81
16) Acetone	4.448	43	66677	47.042	ug/l	98
18) Methyl Acetate	5.065	43	3320	0.792	ug/l #	89
20) Methylene Chloride	5.289	84	16831	3.848	ug/l	92
25) 2-Butanone	7.500	43	25037	12.616	ug/l	95
29) Tetrahydrofuran	7.853	42	2354	1.893	ug/l	92
31) Cyclohexane	8.224	56	7009	1.190	ug/l #	49
36) 1,1-Dichloropropene	8.230	75	26250	5.346	ug/l #	48
37) Ethyl Acetate	7.577	43	35130	8.908	ug/l	99
38) Carbon Tetrachloride	8.230	117	36185	6.585	ug/l #	16
41) Methacrylonitrile	7.859	41	1557	0.760	ug/l #	36
42) 1,2-Dichloroethane	8.688	62	1296	0.257	ug/l #	72
43) Isopropyl Acetate	8.694	43	482840	74.220	ug/l #	67
45) 1,2-Dichloropropane	9.741	63	2345	0.636	ug/l #	43
48) Methyl methacrylate	9.671	41	5414	1.848	ug/l #	36
49) 1,4-Dioxane	9.753	88	66	0.916	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	22652	5.758	ug/l #	76
52) Toluene	10.635	92	6345	0.643	ug/l	98
53) t-1,3-Dichloropropene	10.729	75	1566	0.298	ug/l #	50
54) cis-1,3-Dichloropropene	10.359	75	78923	13.696	ug/l #	61
56) Ethyl methacrylate	10.994	69	1640	0.319	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	10368	1.632	ug/l #	42
59) 2-Hexanone	11.171	43	154796	53.952	ug/l #	20
71) Bromoform	12.847	173	1804	0.607	ug/l #	1
74) N-amyl acetate	12.465	43	3776	0.765	ug/l #	37
76) 1,2,3-Trichloropropane	12.853	75	115183	24.553	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	115183	88.379	ug/l #	12
95) Naphthalene	15.641	128	2682	2.380	ug/l #	91

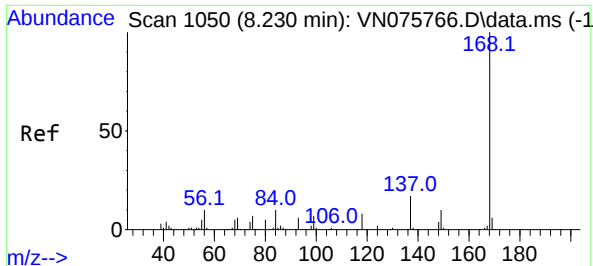
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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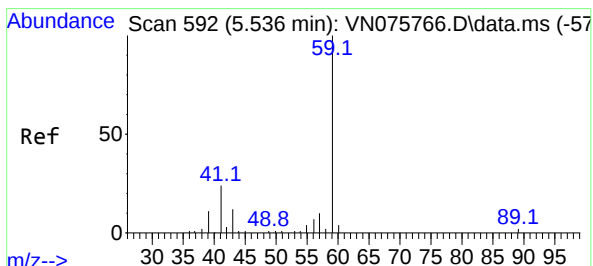
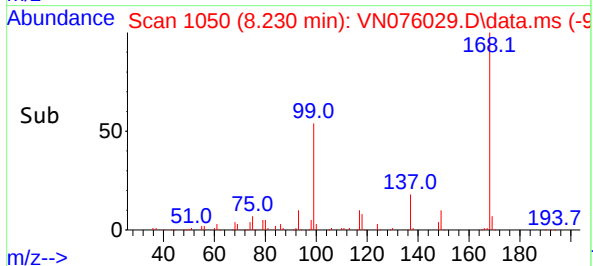
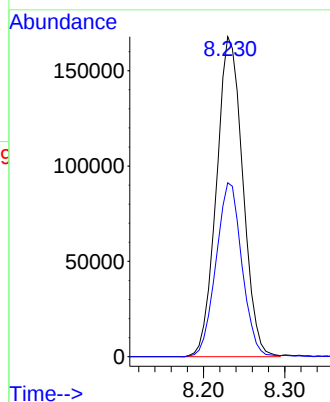
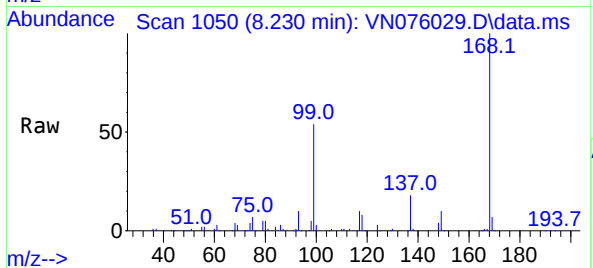




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN076029.D
Acq: 29 Dec 2022 03:43

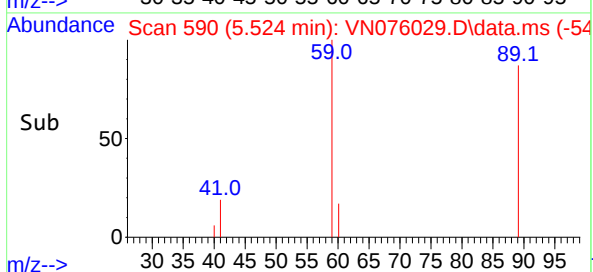
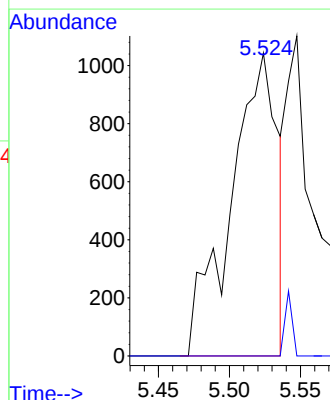
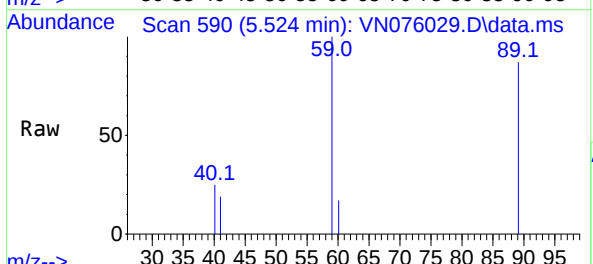
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#10

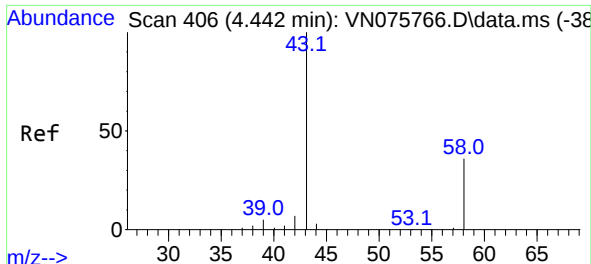
Tgt Ion:168 Resp: 377946
Ion Ratio Lower Upper
168 100
99 54.3 44.2 66.4



#11
Tert butyl alcohol
Concen: 4.092 ug/l
RT: 5.524 min Scan# 590
Delta R.T. -0.012 min
Lab File: VN076029.D
Acq: 29 Dec 2022 03:43

Tgt Ion: 59 Resp: 2381
Ion Ratio Lower Upper
59 100
57 3.3 8.2 12.4#

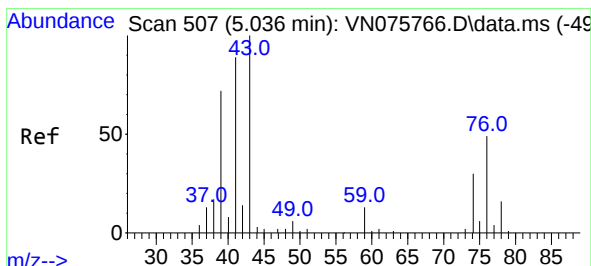
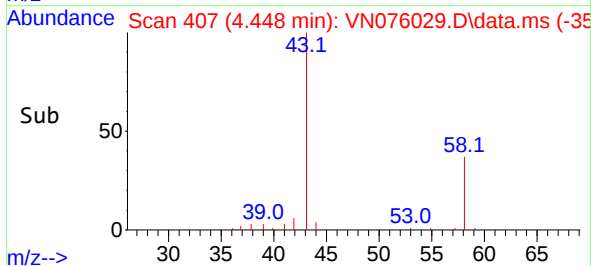
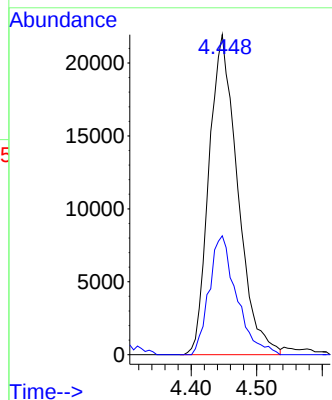
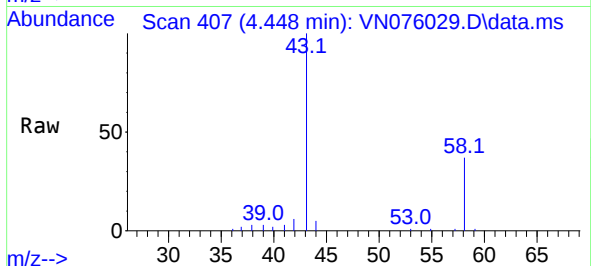




#16
Acetone
Concen: 47.042 ug/l
RT: 4.448 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN076029.D
Acq: 29 Dec 2022 03:43

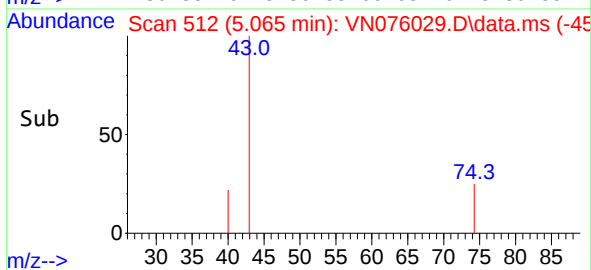
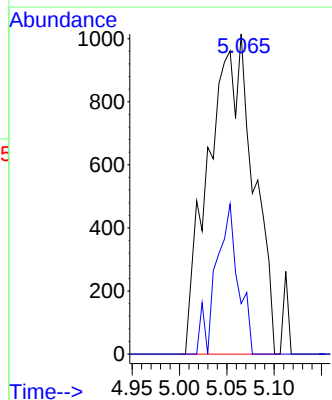
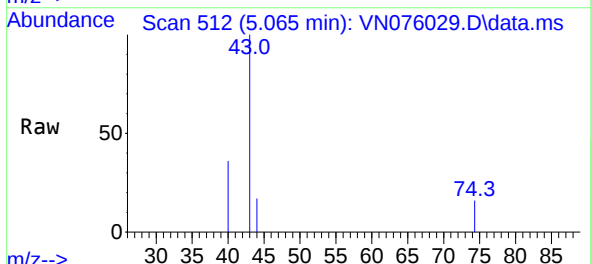
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#10

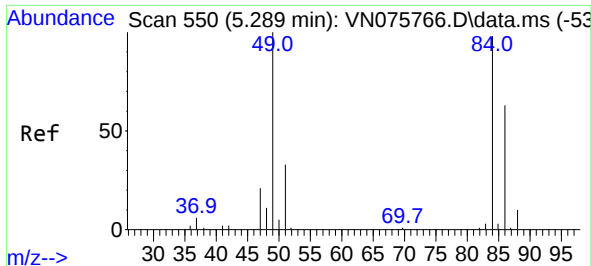
Tgt Ion: 43 Resp: 66677
Ion Ratio Lower Upper
43 100
58 37.2 28.6 43.0



#18
Methyl Acetate
Concen: 0.792 ug/l
RT: 5.065 min Scan# 512
Delta R.T. 0.029 min
Lab File: VN076029.D
Acq: 29 Dec 2022 03:43

Tgt Ion: 43 Resp: 3320
Ion Ratio Lower Upper
43 100
74 23.4 23.6 35.4#



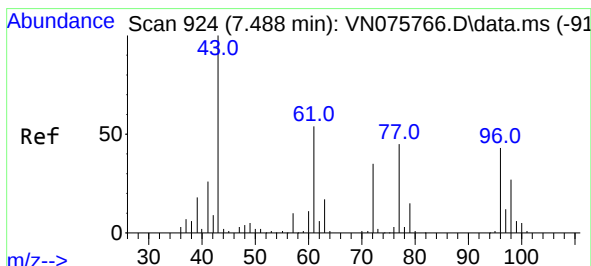
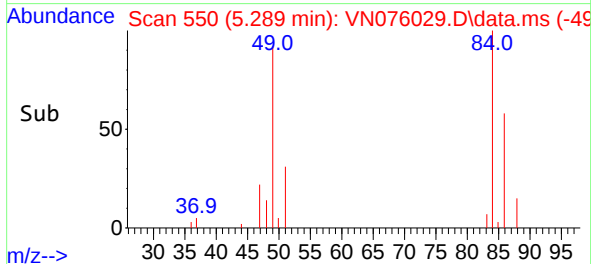
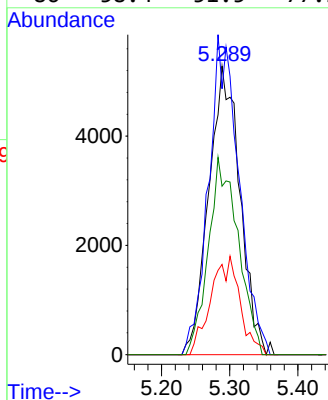
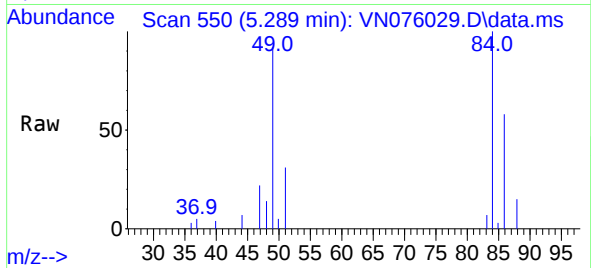


#20
Methylene Chloride
Concen: 3.848 ug/l
RT: 5.289 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN076029.D
Acq: 29 Dec 2022 03:43

Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#10

Tgt Ion: 84 Resp: 16831

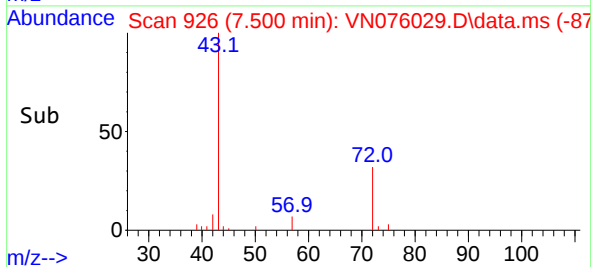
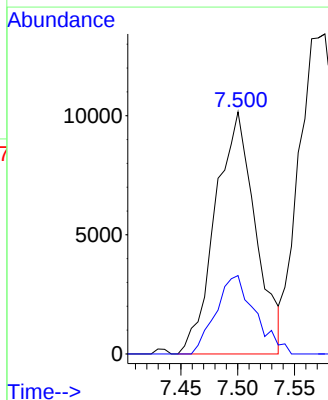
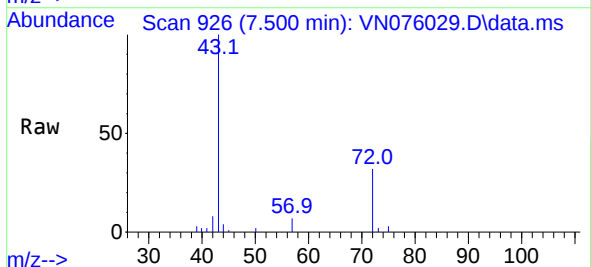
Ion	Ratio	Lower	Upper
84	100		
49	92.2	81.8	122.6
51	31.3	26.7	40.1
86	58.4	51.5	77.3

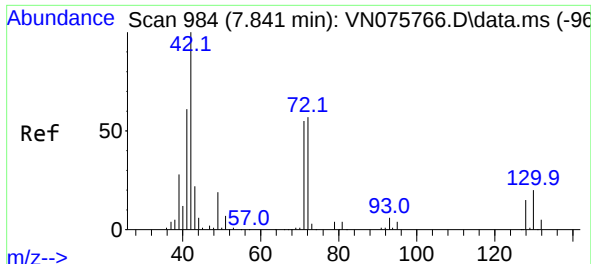


#25
2-Butanone
Concen: 12.616 ug/l
RT: 7.500 min Scan# 926
Delta R.T. 0.012 min
Lab File: VN076029.D
Acq: 29 Dec 2022 03:43

Tgt Ion: 43 Resp: 25037

Ion	Ratio	Lower	Upper
43	100		
72	32.3	28.0	42.0

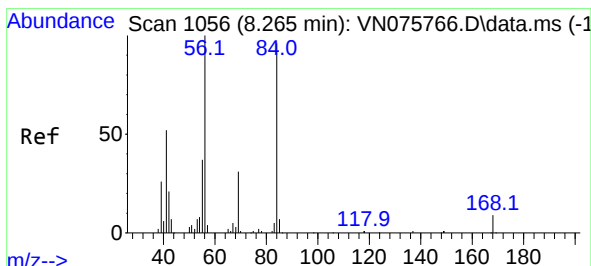
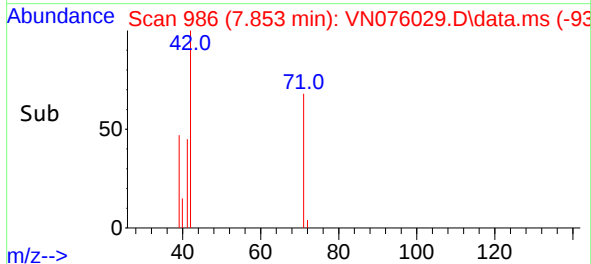
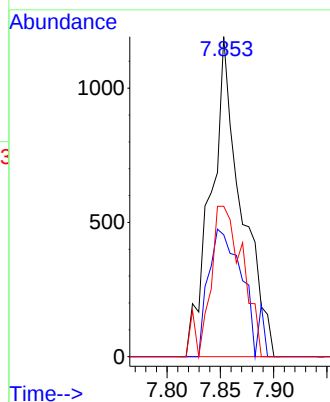
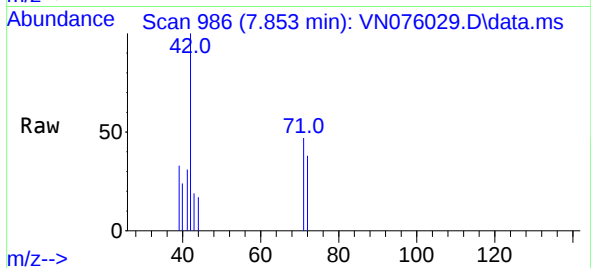




#29
Tetrahydrofuran
Concen: 1.893 ug/l
RT: 7.853 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN076029.D
Acq: 29 Dec 2022 03:43

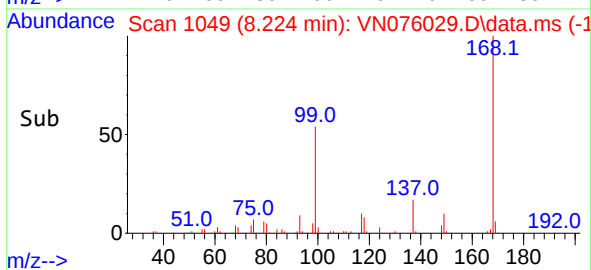
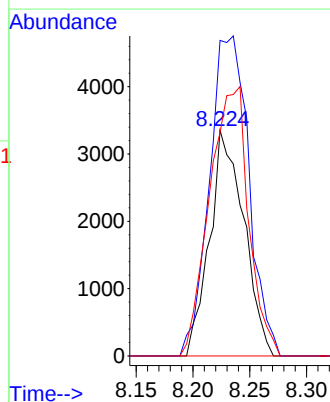
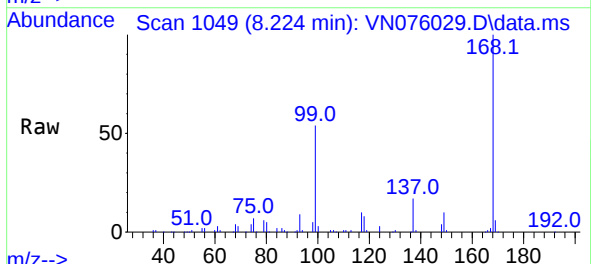
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#10

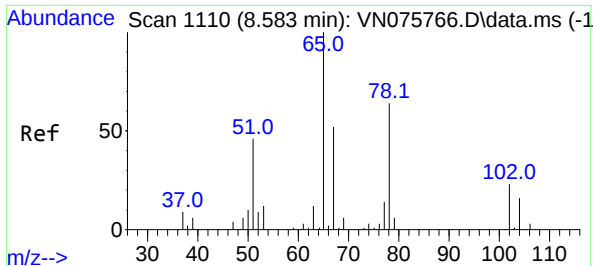
Tgt Ion: 42 Resp: 2354
Ion Ratio Lower Upper
42 100
72 45.5 44.5 66.7
71 50.7 41.0 61.6



#31
Cyclohexane
Concen: 1.190 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.041 min
Lab File: VN076029.D
Acq: 29 Dec 2022 03:43

Tgt Ion: 56 Resp: 7009
Ion Ratio Lower Upper
56 100
69 139.9 24.7 37.1#
84 99.0 76.5 114.7

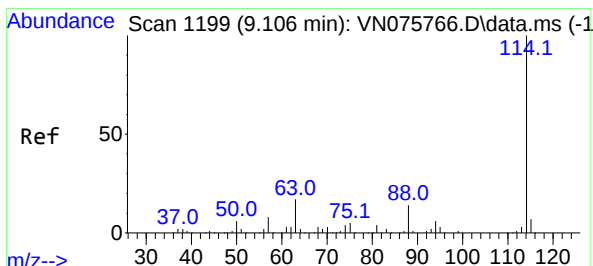
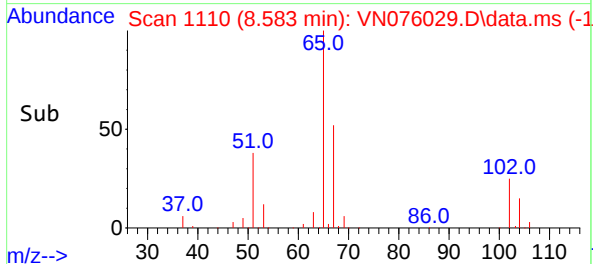
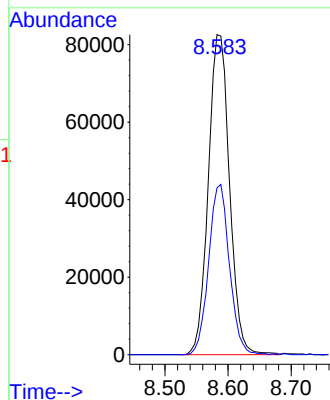
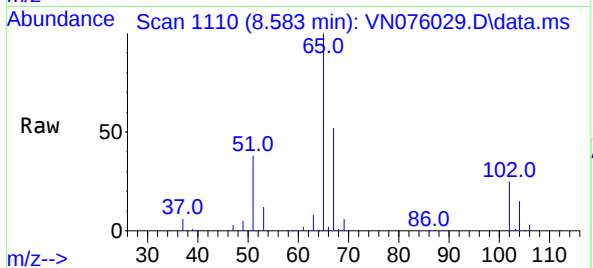




#33
1,2-Dichloroethane-d4
Concen: 46.852 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. 0.000 min
Lab File: VN076029.D
Acq: 29 Dec 2022 03:43

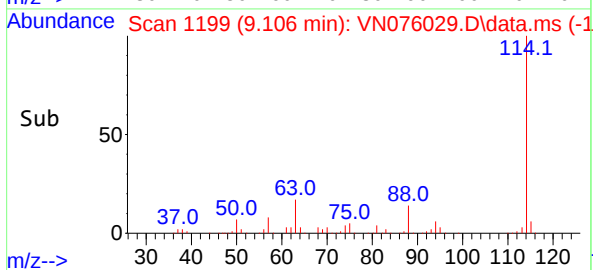
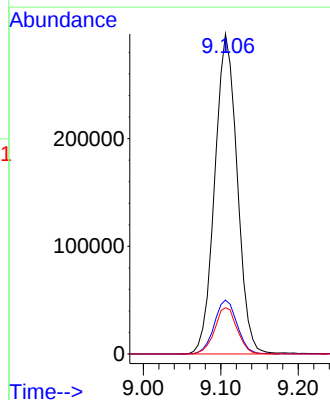
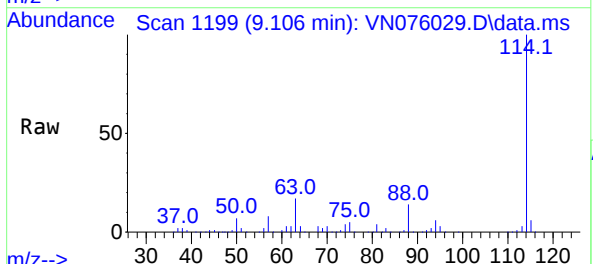
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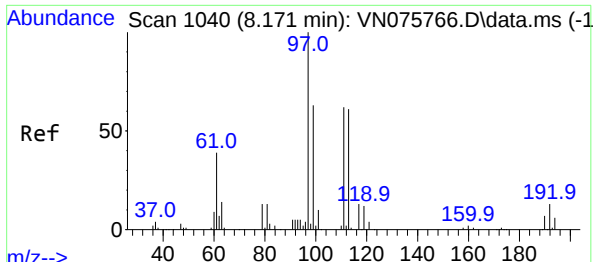
Tgt Ion: 65 Resp: 192640
Ion Ratio Lower Upper
65 100
67 52.1 0.0 103.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN076029.D
Acq: 29 Dec 2022 03:43

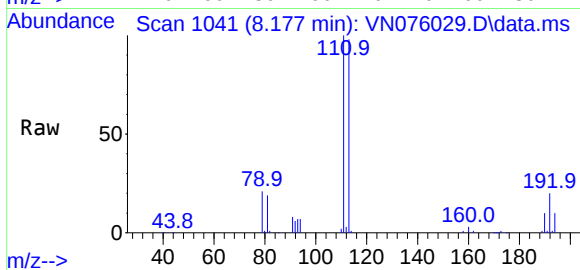
Tgt Ion: 114 Resp: 596816
Ion Ratio Lower Upper
114 100
63 16.9 0.0 34.4
88 14.5 0.0 28.8



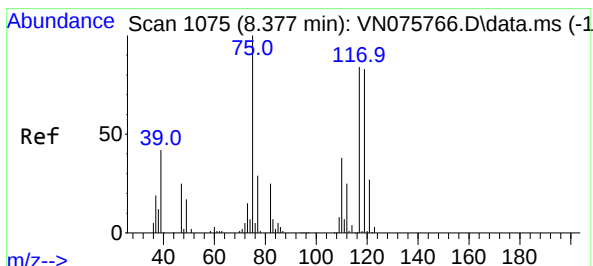
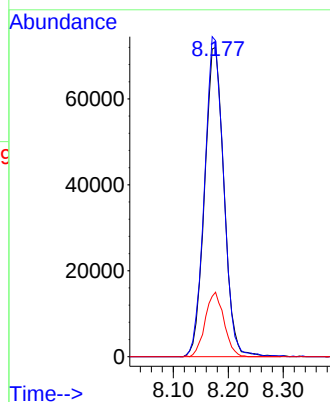
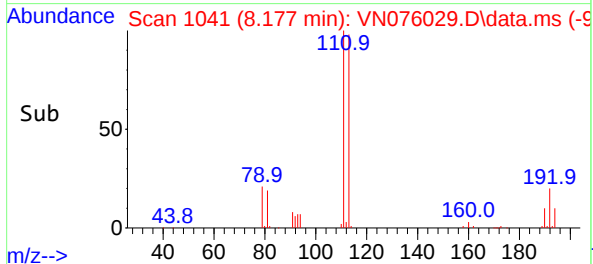


#35
Dibromofluoromethane
Concen: 47.671 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN076029.D
Acq: 29 Dec 2022 03:43

Instrument :
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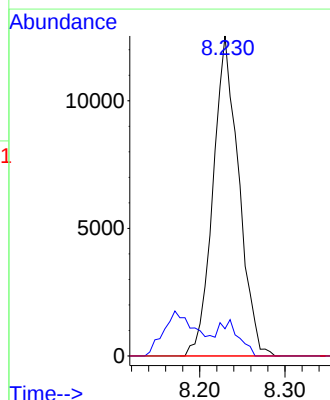
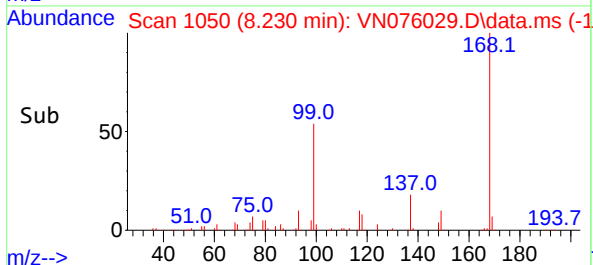
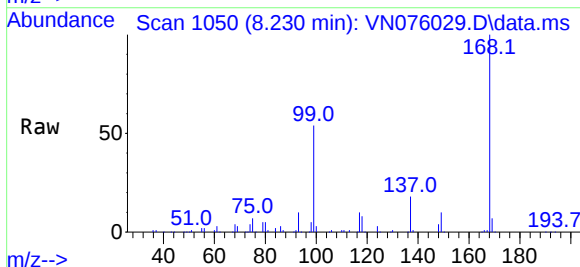


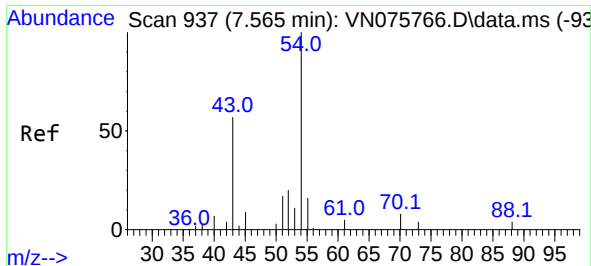
Tgt Ion:113 Resp: 176193
Ion Ratio Lower Upper
113 100
111 101.9 83.4 125.2
192 20.2 16.1 24.1



#36
1,1-Dichloropropene
Concen: 5.346 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN076029.D
Acq: 29 Dec 2022 03:43

Tgt Ion: 75 Resp: 26250
Ion Ratio Lower Upper
75 100
110 8.3 18.8 56.4#
77 0.0 24.1 36.1#

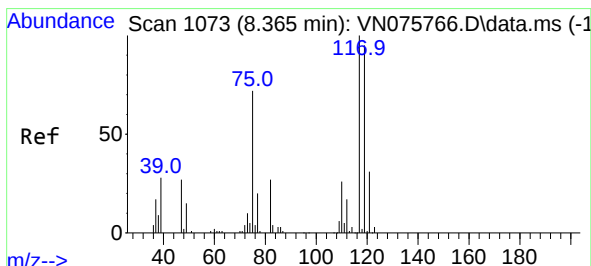
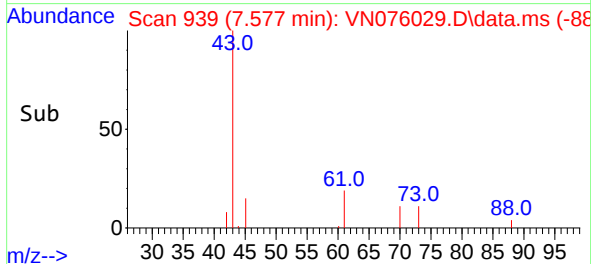
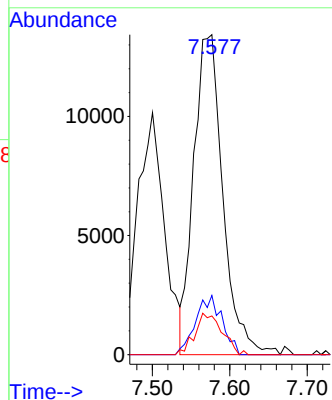
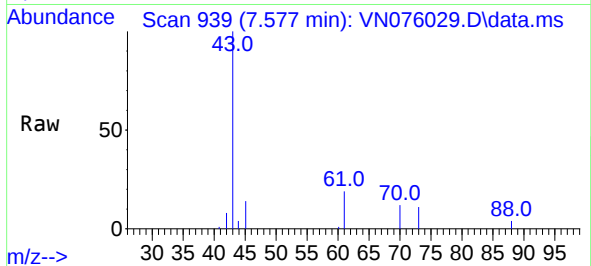




#37
Ethyl Acetate
Concen: 8.908 ug/l
RT: 7.577 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN076029.D
Acq: 29 Dec 2022 03:43

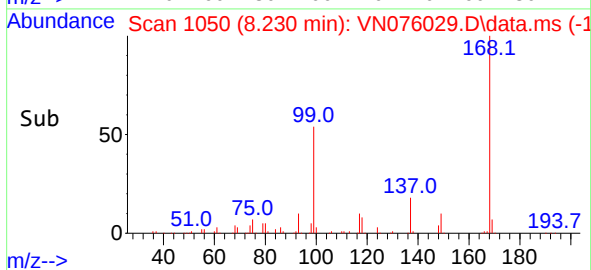
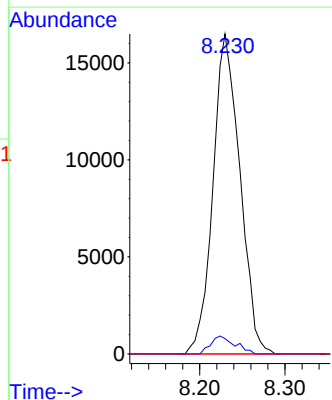
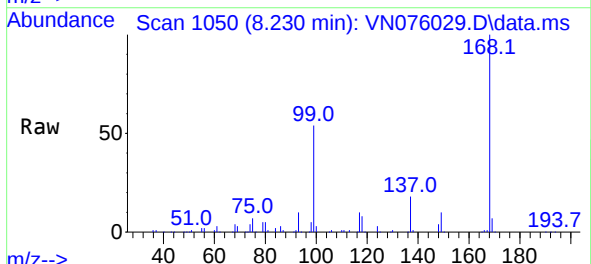
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#10

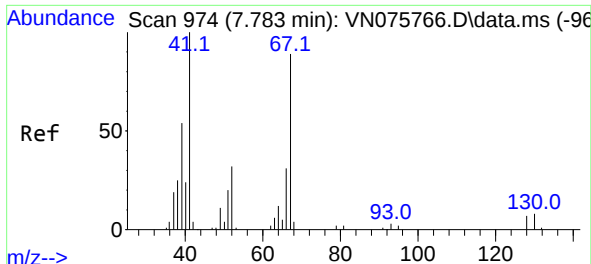
Tgt Ion: 43 Resp: 35130
Ion Ratio Lower Upper
43 100
61 16.7 13.0 19.4
70 12.1 9.4 14.0



#38
Carbon Tetrachloride
Concen: 6.585 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN076029.D
Acq: 29 Dec 2022 03:43

Tgt Ion: 117 Resp: 36185
Ion Ratio Lower Upper
117 100
119 4.8 76.1 114.1#
121 0.0 24.5 36.7#

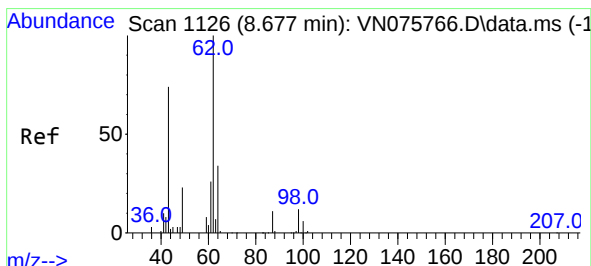
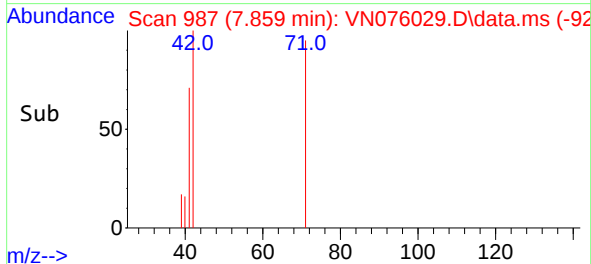
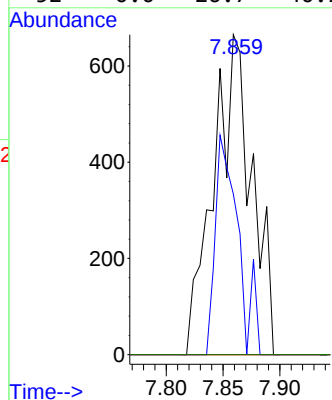
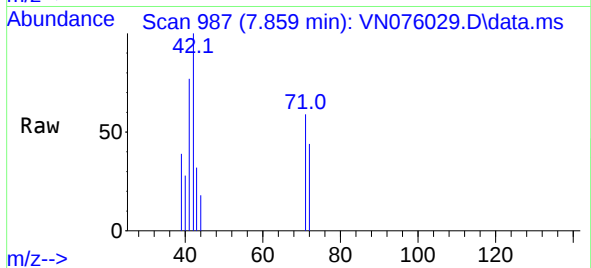




#41
Methacrylonitrile
Concen: 0.760 ug/l
RT: 7.859 min Scan# 91
Delta R.T. 0.077 min
Lab File: VN076029.D
Acq: 29 Dec 2022 03:43

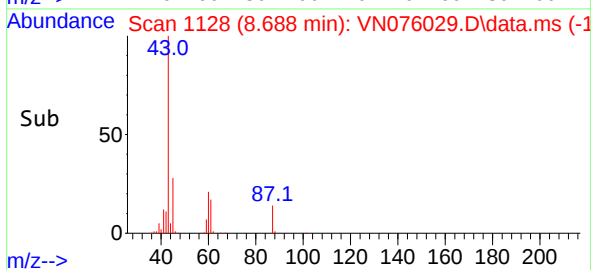
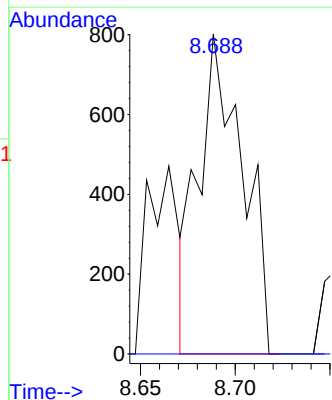
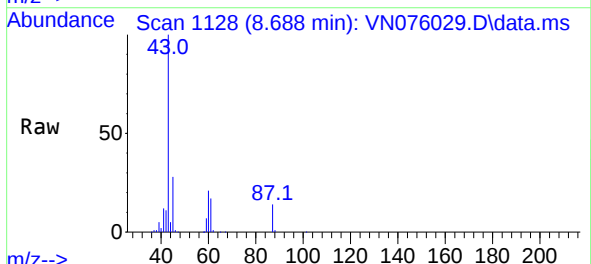
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#10

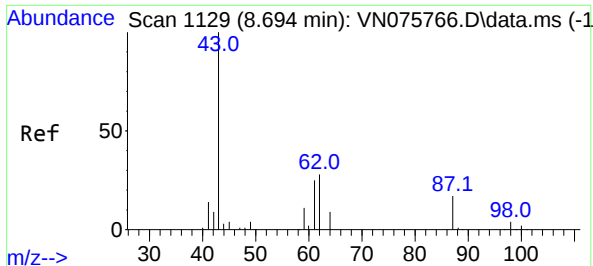
Tgt Ion: 41 Resp: 1557
Ion Ratio Lower Upper
41 100
39 41.0 43.1 64.7#
67 0.0 70.7 106.1#
52 0.0 26.7 40.1#



#42
1,2-Dichloroethane
Concen: 0.257 ug/l
RT: 8.688 min Scan# 1128
Delta R.T. 0.012 min
Lab File: VN076029.D
Acq: 29 Dec 2022 03:43

Tgt Ion: 62 Resp: 1296
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.8

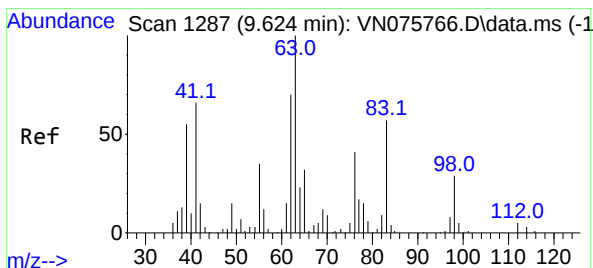
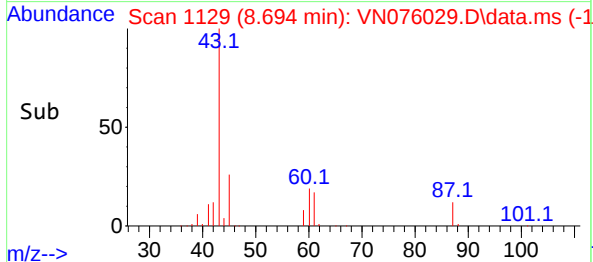
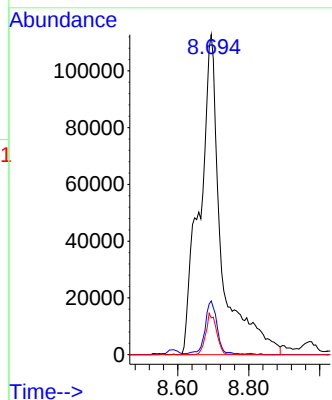
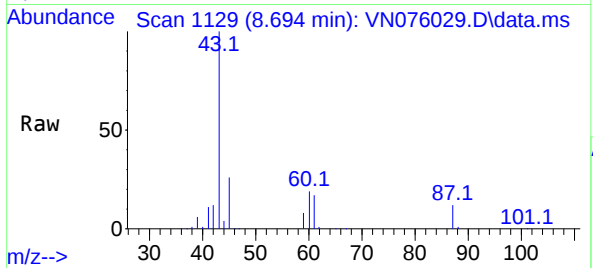




#43
Isopropyl Acetate
Concen: 74.220 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN076029.D
Acq: 29 Dec 2022 03:43

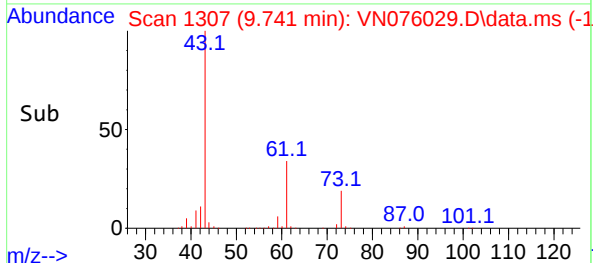
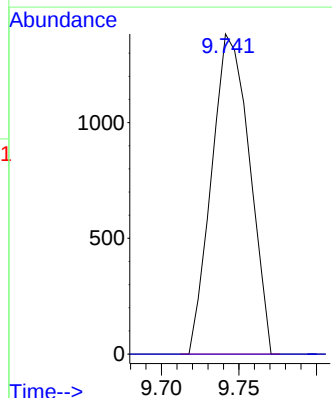
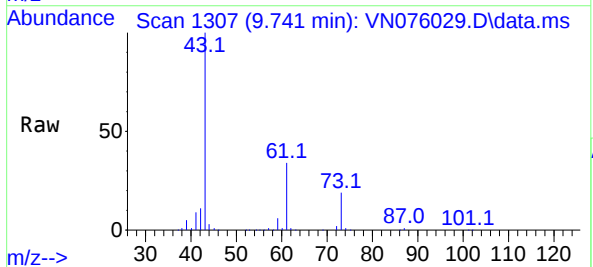
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#10

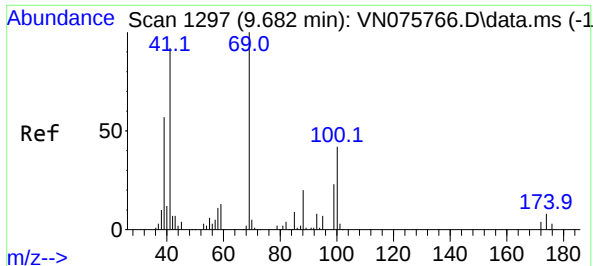
Tgt Ion: 43 Resp: 482840
Ion Ratio Lower Upper
43 100
61 9.4 24.2 36.4#
87 6.4 13.3 19.9#



#45
1,2-Dichloropropane
Concen: 0.636 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.118 min
Lab File: VN076029.D
Acq: 29 Dec 2022 03:43

Tgt Ion: 63 Resp: 2345
Ion Ratio Lower Upper
63 100
65 0.0 25.7 38.5#

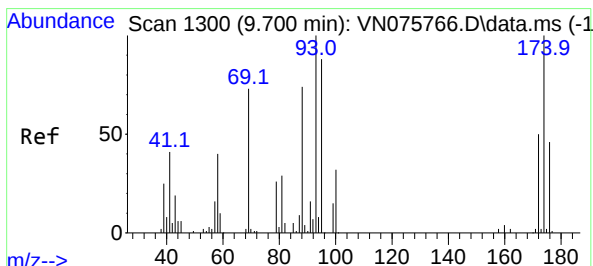
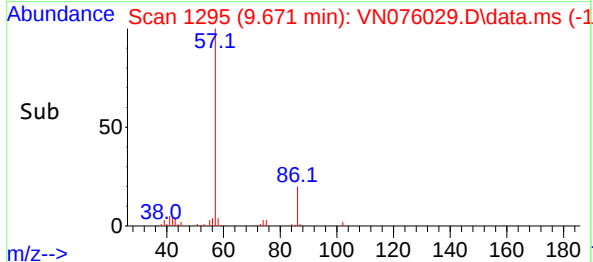
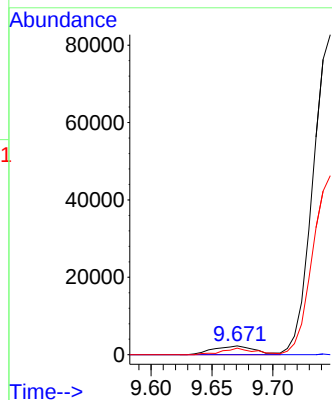
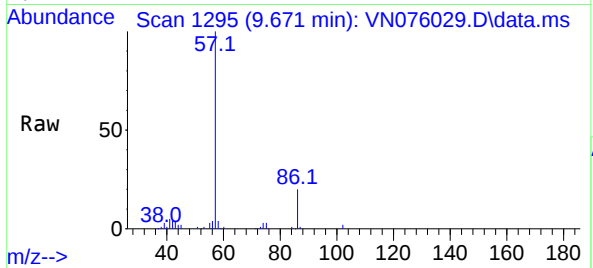




#48
Methyl methacrylate
Concen: 1.848 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN076029.D
Acq: 29 Dec 2022 03:43

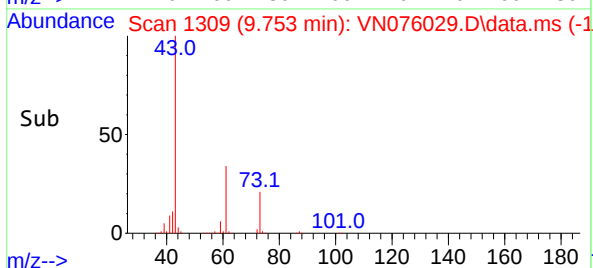
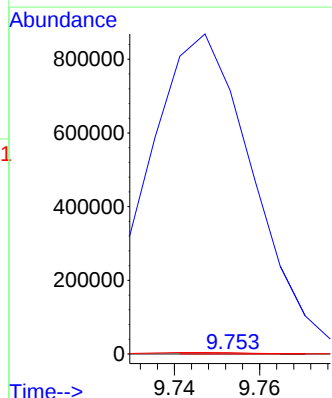
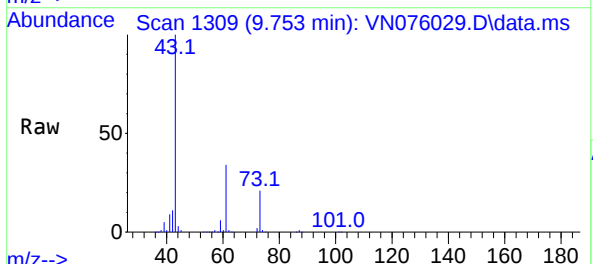
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#10

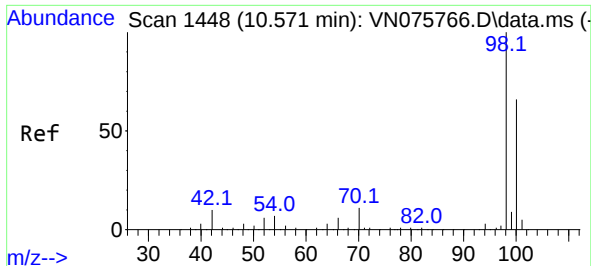
Tgt Ion: 41 Resp: 5414
Ion Ratio Lower Upper
41 100
69 0.0 81.9 122.9#
39 59.6 51.6 77.4



#49
1,4-Dioxane
Concen: 0.916 ug/l
RT: 9.753 min Scan# 1309
Delta R.T. 0.053 min
Lab File: VN076029.D
Acq: 29 Dec 2022 03:43

Tgt Ion: 88 Resp: 66
Ion Ratio Lower Upper
88 100
43 2354356.1 17.1 25.7#
58 10740.9 47.8 71.8#

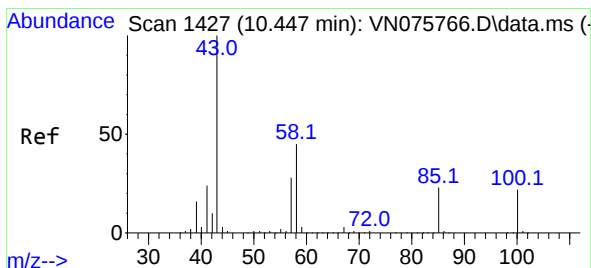
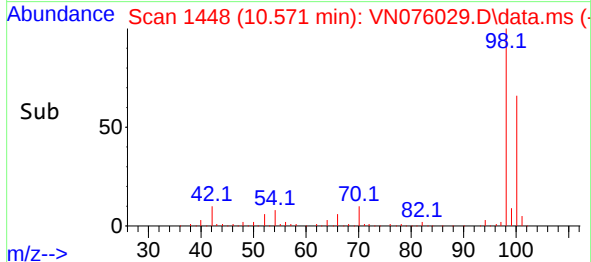
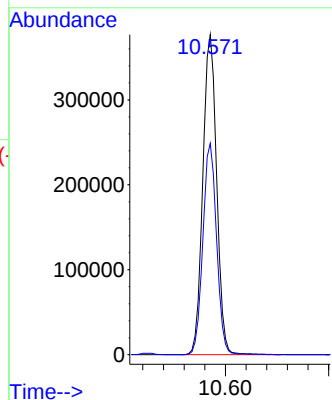
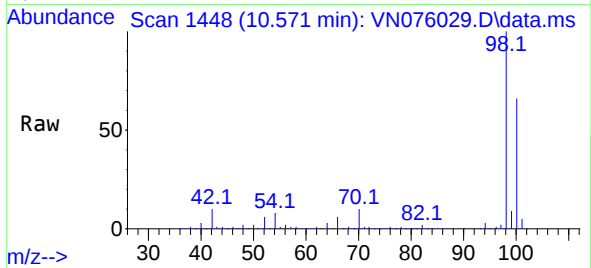




#50
Toluene-d8
Concen: 50.545 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN076029.D
Acq: 29 Dec 2022 03:43

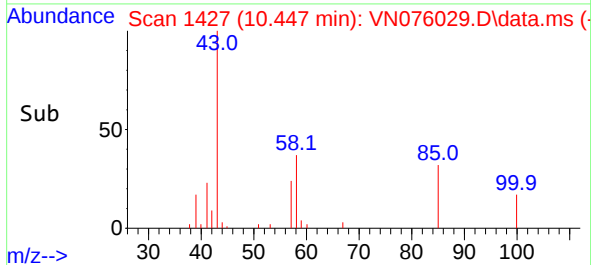
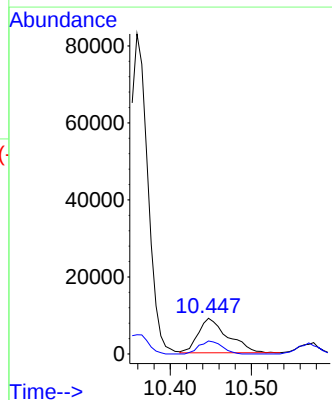
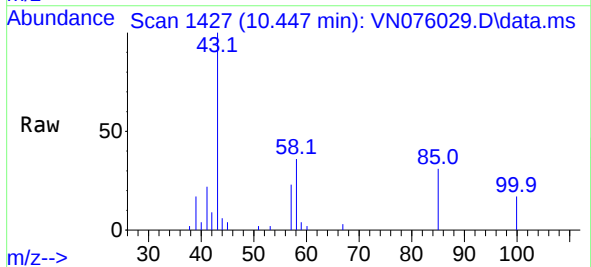
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#10

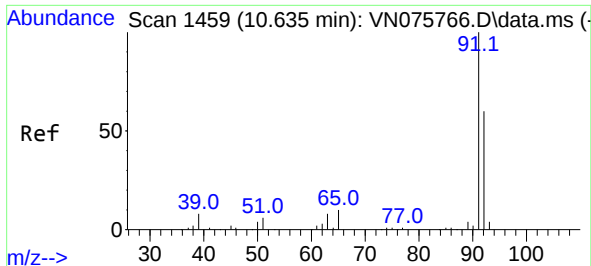
Tgt Ion: 98 Resp: 698482
Ion Ratio Lower Upper
98 100
100 65.5 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 5.758 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN076029.D
Acq: 29 Dec 2022 03:43

Tgt Ion: 43 Resp: 22652
Ion Ratio Lower Upper
43 100
58 29.1 35.5 53.3#

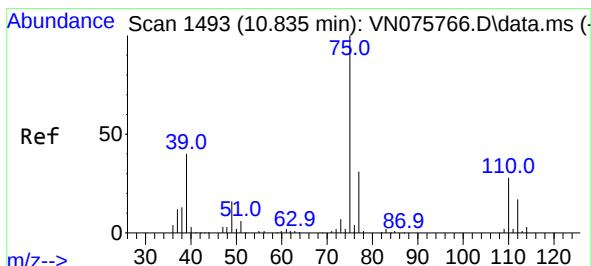
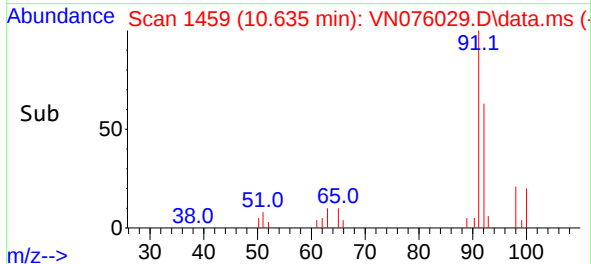
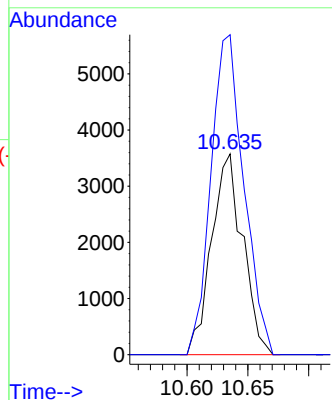
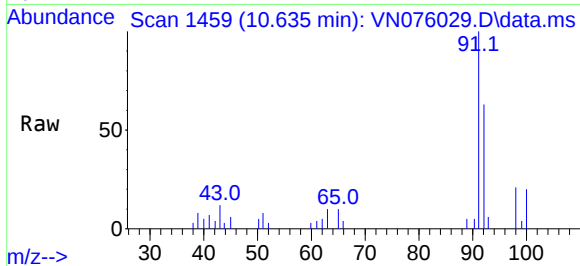




#52
Toluene
Concen: 0.643 ug/l
RT: 10.635 min Scan# 1459
Delta R.T. 0.000 min
Lab File: VN076029.D
Acq: 29 Dec 2022 03:43

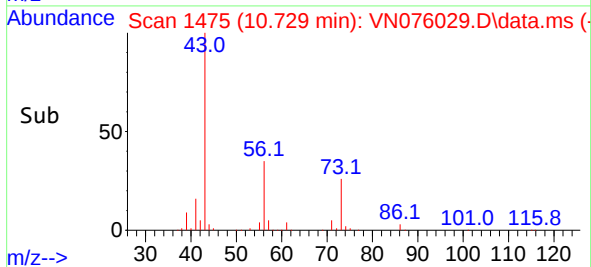
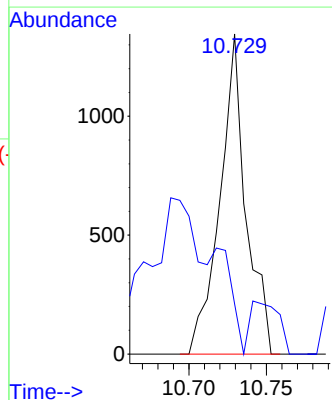
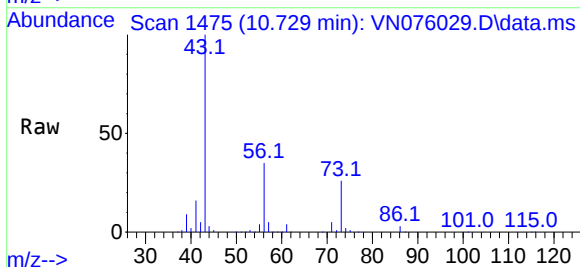
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#10

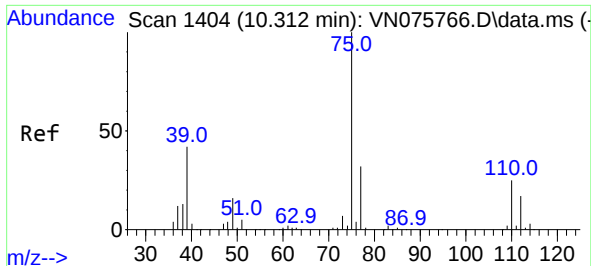
Tgt Ion: 92 Resp: 6345
Ion Ratio Lower Upper
92 100
91 168.5 137.3 205.9



#53
t-1,3-Dichloropropene
Concen: 0.298 ug/l
RT: 10.729 min Scan# 1475
Delta R.T. -0.106 min
Lab File: VN076029.D
Acq: 29 Dec 2022 03:43

Tgt Ion: 75 Resp: 1566
Ion Ratio Lower Upper
75 100
77 3.3 24.9 37.3#

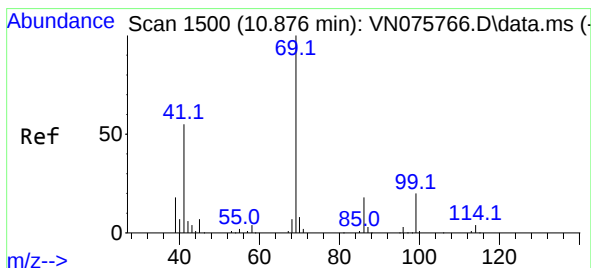
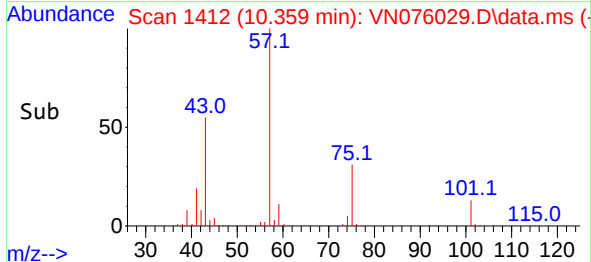
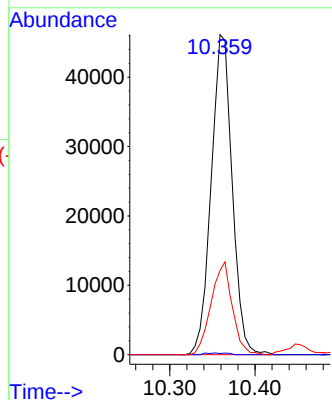
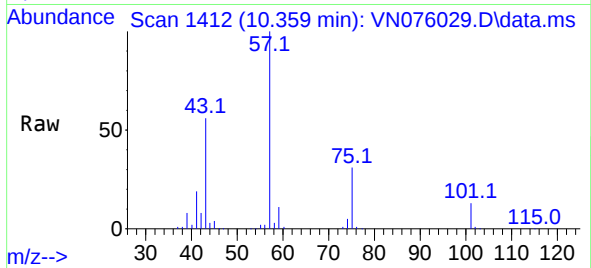




#54
 cis-1,3-Dichloropropene
 Concen: 13.696 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.047 min
 Lab File: VN076029.D
 Acq: 29 Dec 2022 03:43

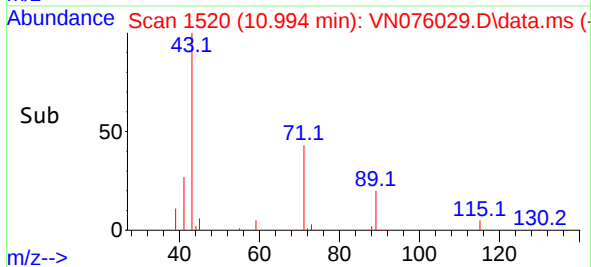
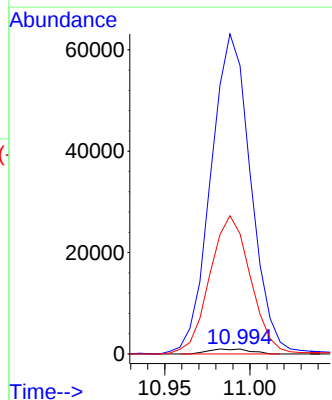
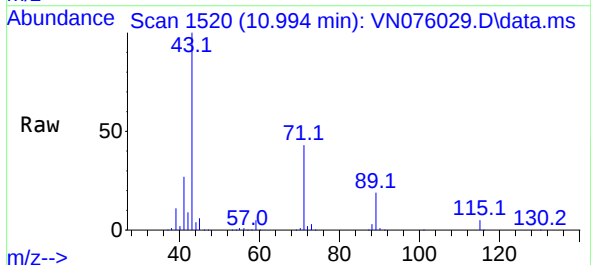
Instrument :
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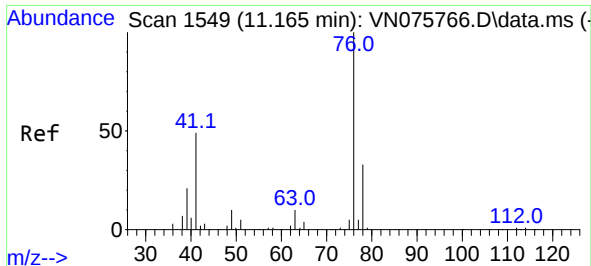
Tgt Ion: 75 Resp: 78923
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.8 38.8#
 39 26.3 33.4 50.2#



#56
 Ethyl methacrylate
 Concen: 0.319 ug/l
 RT: 10.994 min Scan# 1520
 Delta R.T. 0.118 min
 Lab File: VN076029.D
 Acq: 29 Dec 2022 03:43

Tgt Ion: 69 Resp: 1640
 Ion Ratio Lower Upper
 69 100
 41 6327.9 44.2 66.4#
 39 2779.6 26.4 39.6#





#57

1,3-Dichloropropane

Concen: 1.632 ug/l

RT: 11.206 min Scan# 1556

Delta R.T. 0.041 min

Lab File: VN076029.D

Acq: 29 Dec 2022 03:43

Instrument :

MSVOA_N

ClientSampleId :

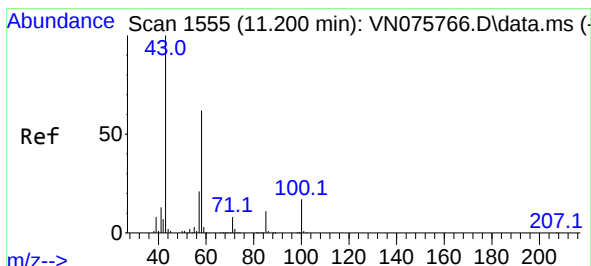
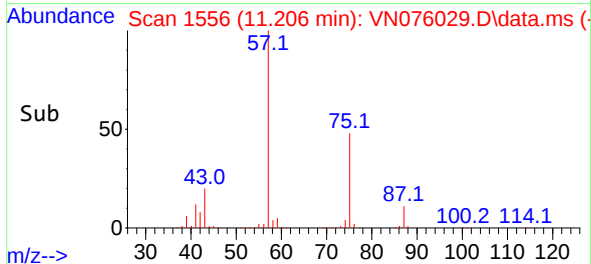
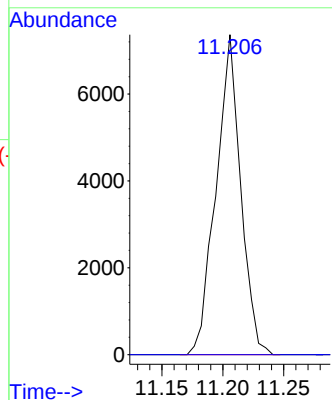
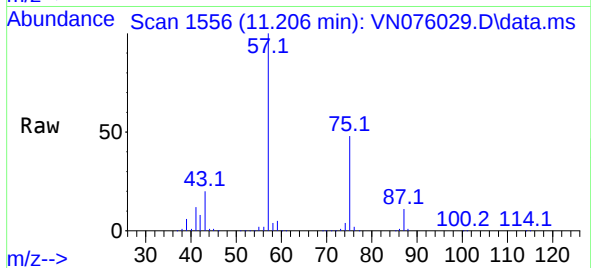
PB149923ZHE#10

Tgt Ion: 76 Resp: 10368

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#



#59

2-Hexanone

Concen: 53.952 ug/l

RT: 11.171 min Scan# 1550

Delta R.T. -0.029 min

Lab File: VN076029.D

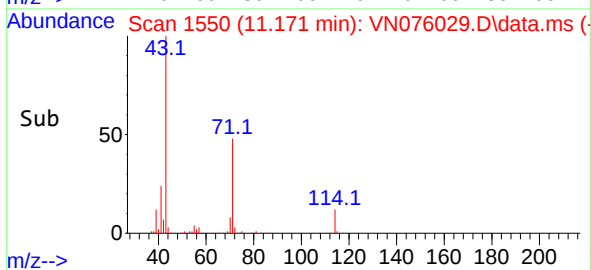
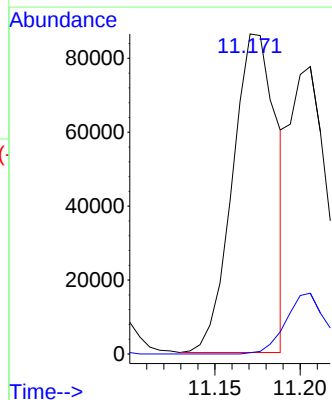
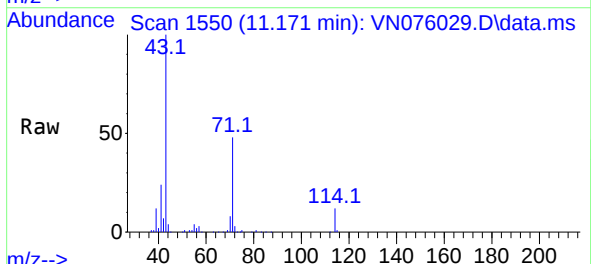
Acq: 29 Dec 2022 03:43

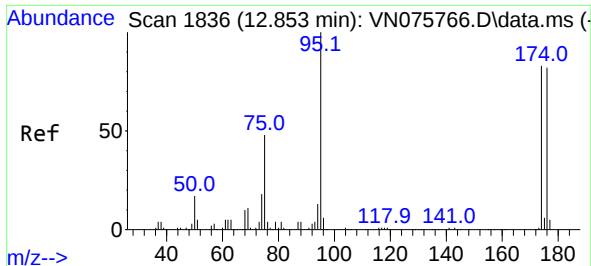
Tgt Ion: 43 Resp: 154796

Ion Ratio Lower Upper

43 100

58 0.0 30.6 92.0#

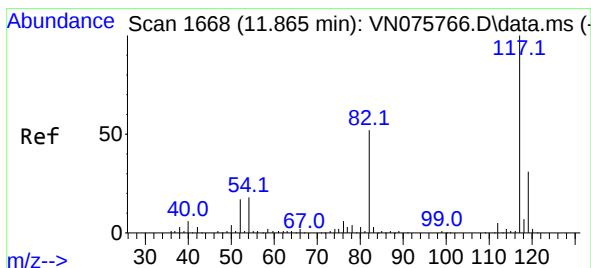
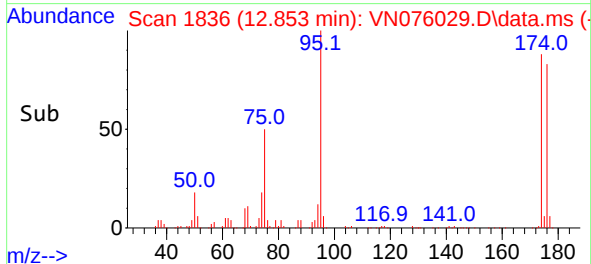
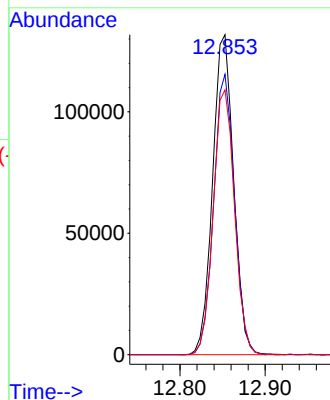
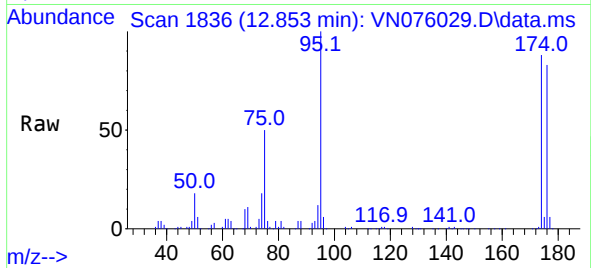




#62
4-Bromofluorobenzene
Concen: 49.321 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN076029.D
Acq: 29 Dec 2022 03:43

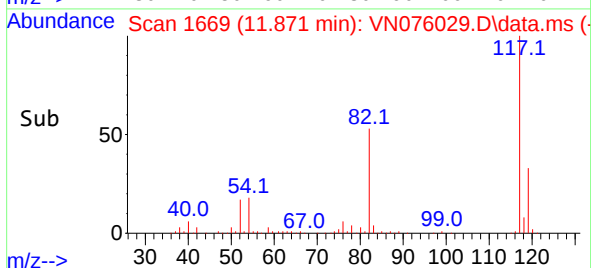
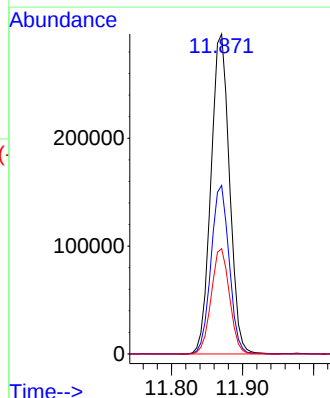
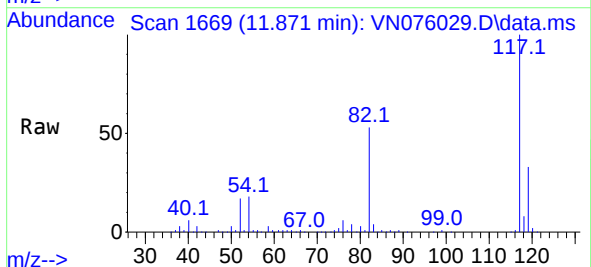
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#10

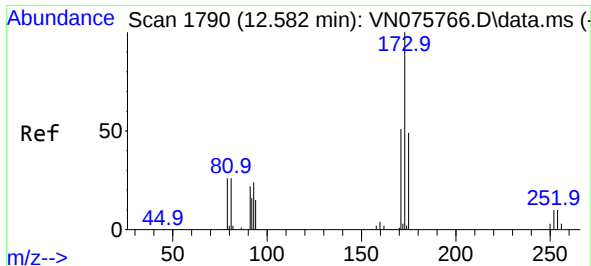
Tgt Ion: 95 Resp: 225741
Ion Ratio Lower Upper
95 100
174 86.8 0.0 171.6
176 83.5 0.0 169.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN076029.D
Acq: 29 Dec 2022 03:43

Tgt Ion: 117 Resp: 537374
Ion Ratio Lower Upper
117 100
82 52.7 41.3 61.9
119 32.9 24.6 37.0

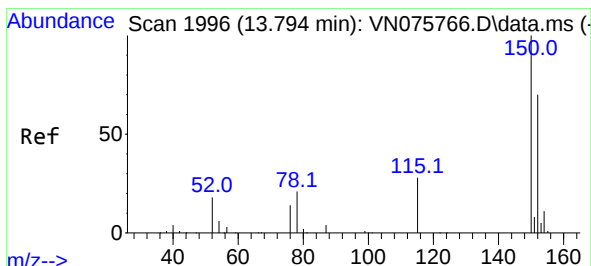
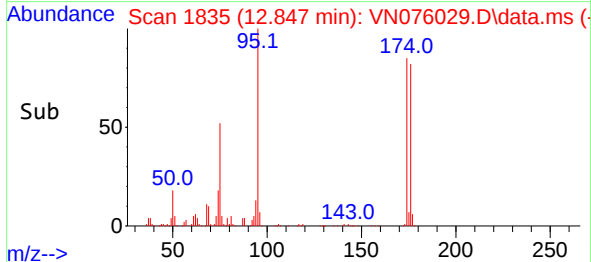
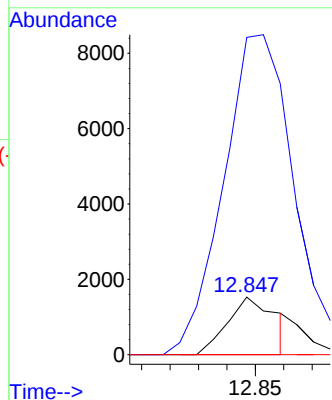
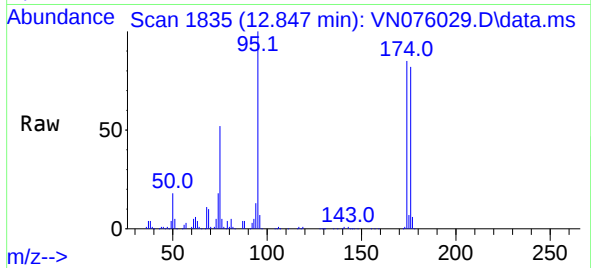




#71
Bromoform
Concen: 0.607 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN076029.D
Acq: 29 Dec 2022 03:43

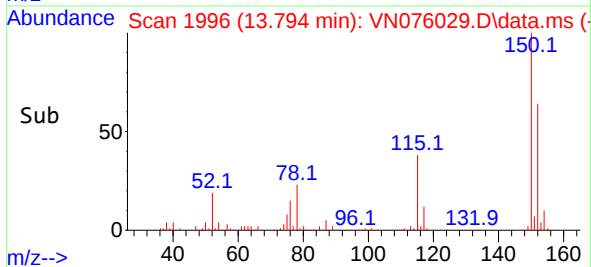
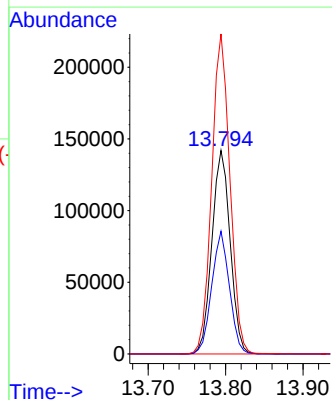
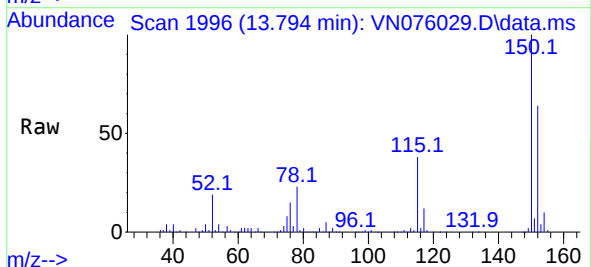
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#10

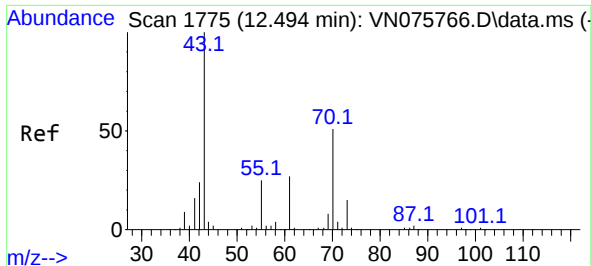
Tgt Ion:173 Resp: 1804
Ion Ratio Lower Upper
173 100
175 671.7 24.3 72.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN076029.D
Acq: 29 Dec 2022 03:43

Tgt Ion:152 Resp: 232724
Ion Ratio Lower Upper
152 100
115 58.3 29.1 87.4
150 156.3 0.0 347.0

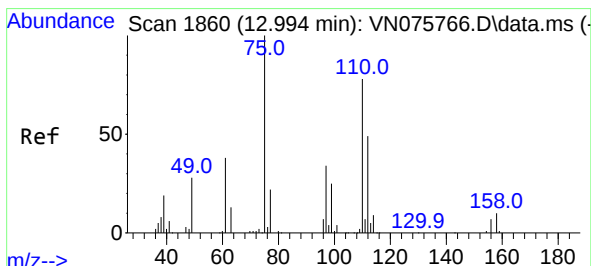
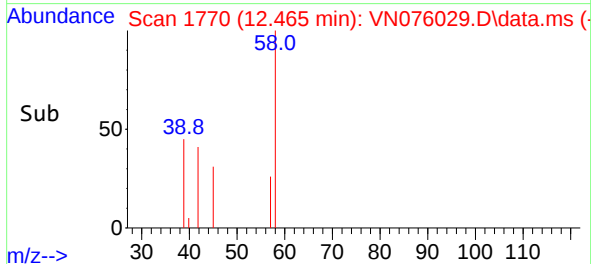
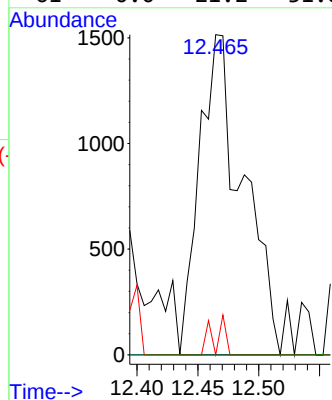
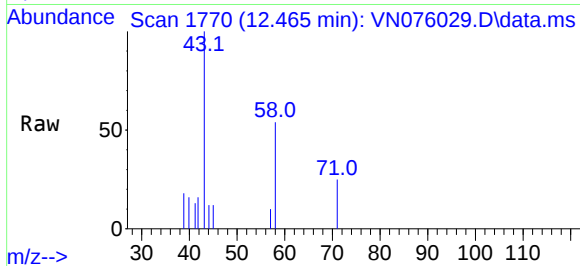




#74
N-amy1 acetate
Concen: 0.765 ug/l
RT: 12.465 min Scan# 11
Delta R.T. -0.029 min
Lab File: VN076029.D
Acq: 29 Dec 2022 03:43

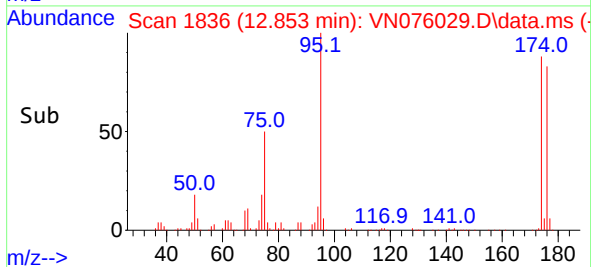
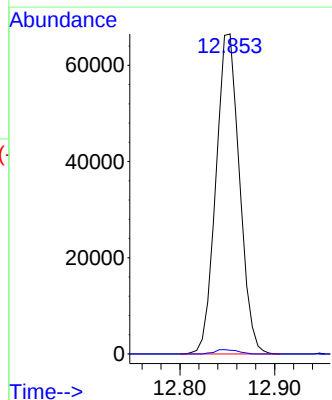
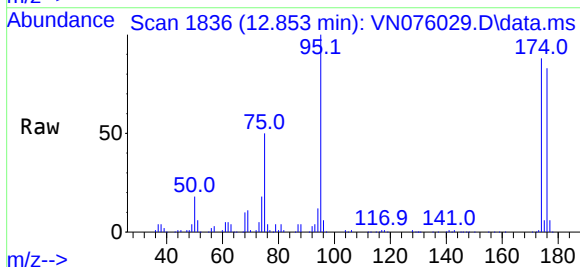
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#10

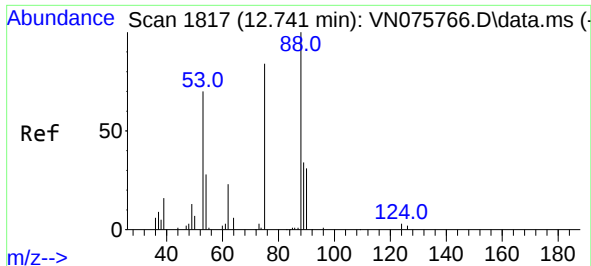
Tgt Ion: 43	Resp:	3776
Ion	Ratio	Lower Upper
43	100	
70	0.0	41.4 62.0#
55	0.0	21.3 31.9#
61	0.0	21.2 31.8#



#76
1,2,3-Trichloropropane
Concen: 24.553 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076029.D
Acq: 29 Dec 2022 03:43

Tgt Ion: 75	Resp:	115183
Ion	Ratio	Lower Upper
75	100	
77	1.3	82.6 247.8#

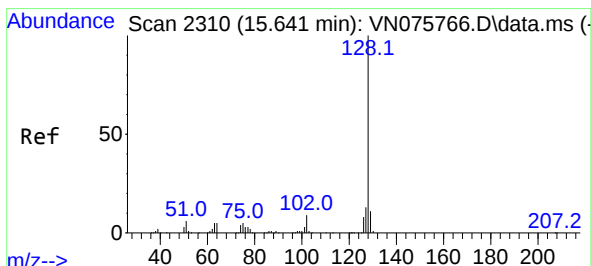
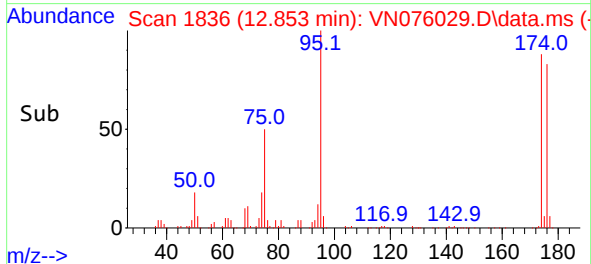
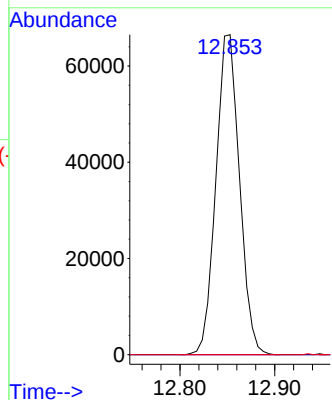
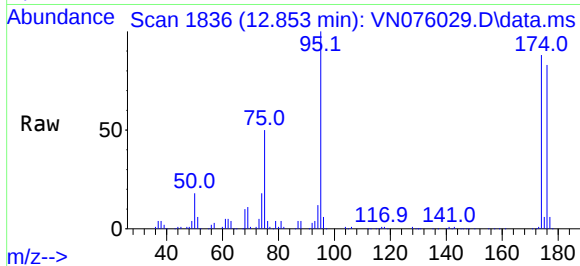




#81
trans-1,4-Dichloro-2-butene
Concen: 88.379 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN076029.D
Acq: 29 Dec 2022 03:43

Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#10

Tgt Ion: 75 Resp: 115183
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#



#95
Naphthalene
Concen: 2.380 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. -0.000 min
Lab File: VN076029.D
Acq: 29 Dec 2022 03:43

Tgt Ion:128 Resp: 2682
Ion Ratio Lower Upper
128 100
127 6.8 10.4 15.6#
129 10.3 8.7 13.1

