

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122822\
 Data File : VN076023.D
 Acq On : 29 Dec 2022 01:19
 Operator : JC\MD
 Sample : PB149923ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB149923ZHE#04

Quant Time: Dec 29 07:49:17 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)

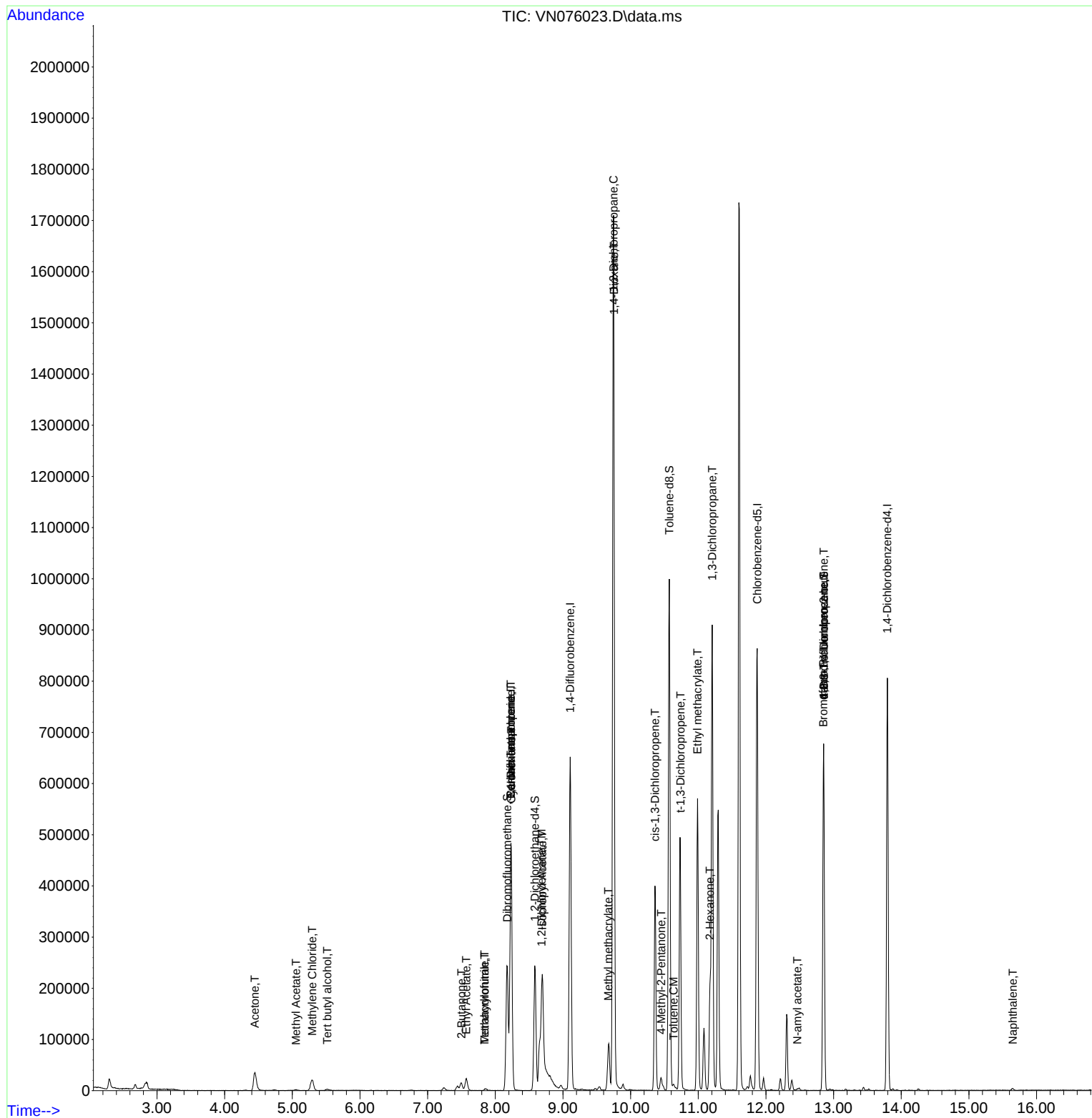
Internal Standards						
1) Pentafluorobenzene	8.230	168	378086	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	603617	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	533247	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	227164	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	194780	47.355	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.700%		
35) Dibromofluoromethane	8.177	113	175295	46.894	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.780%		
50) Toluene-d8	10.571	98	705286	50.463	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.920%		
62) 4-Bromofluorobenzene	12.853	95	221559	47.862	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.720%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.518	59	3348	5.752	ug/l #	72
16) Acetone	4.448	43	69176	48.787	ug/l	93
18) Methyl Acetate	5.054	43	2252	0.537	ug/l	91
20) Methylene Chloride	5.295	84	18405	4.267	ug/l	89
25) 2-Butanone	7.501	43	23778	11.977	ug/l	97
29) Tetrahydrofuran	7.842	42	2820	2.267	ug/l #	86
31) Cyclohexane	8.236	56	6896	1.171	ug/l #	17
36) 1,1-Dichloropropene	8.230	75	27267	5.491	ug/l #	50
37) Ethyl Acetate	7.571	43	34324	8.605	ug/l	98
38) Carbon Tetrachloride	8.230	117	37499	6.747	ug/l #	15
41) Methacrylonitrile	7.842	41	632	0.305	ug/l #	18
42) 1,2-Dichloroethane	8.683	62	1375	0.270	ug/l #	72
43) Isopropyl Acetate	8.695	43	361477	54.939	ug/l #	71
45) 1,2-Dichloropropane	9.748	63	2259	0.606	ug/l #	43
48) Methyl methacrylate	9.671	41	5416	1.828	ug/l #	34
49) 1,4-Dioxane	9.753	88	299	4.104	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	21776	5.473	ug/l #	79
52) Toluene	10.636	92	4699	0.471	ug/l	98
53) t-1,3-Dichloropropene	10.736	75	1566	0.295	ug/l	91
54) cis-1,3-Dichloropropene	10.359	75	78722	13.507	ug/l #	66
56) Ethyl methacrylate	10.989	69	2065	0.397	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	10074	1.568	ug/l #	42
59) 2-Hexanone	11.171	43	153363	52.851	ug/l #	20
71) Bromoform	12.847	173	1282	0.435	ug/l #	1
74) N-amyl acetate	12.465	43	2103	0.437	ug/l #	37
76) 1,2,3-Trichloropropane	12.853	75	114434	24.991	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	114434	89.954	ug/l #	12
95) Naphthalene	15.647	128	4590	2.533	ug/l #	76

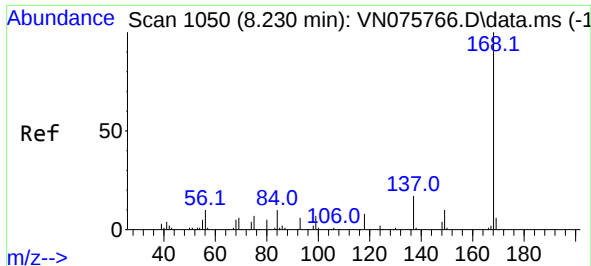
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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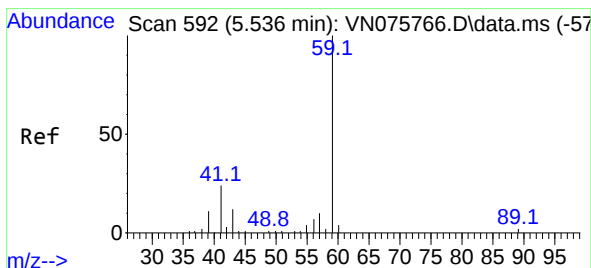
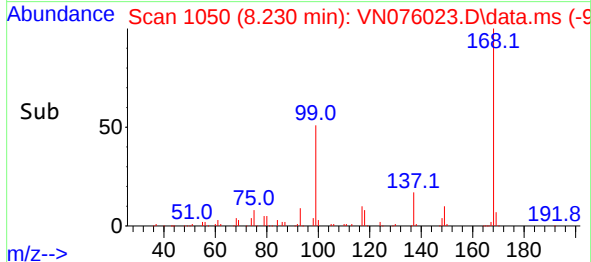
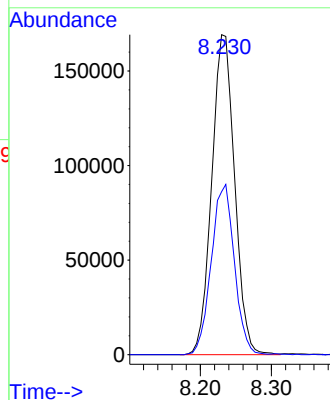
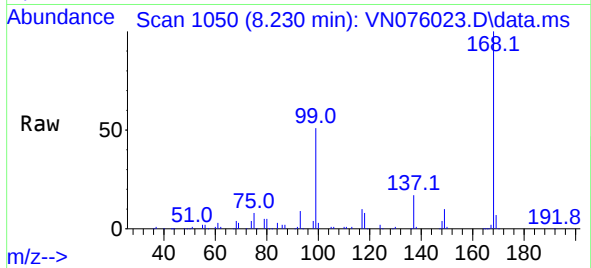




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN076023.D
Acq: 29 Dec 2022 01:19

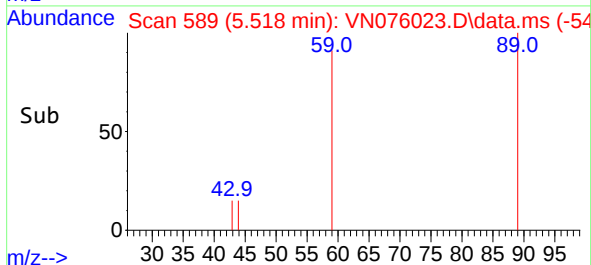
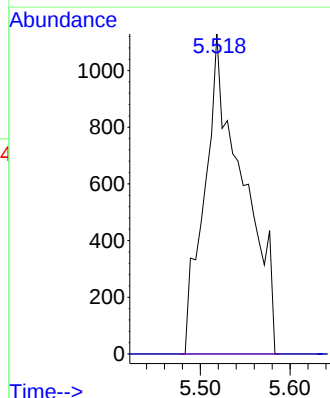
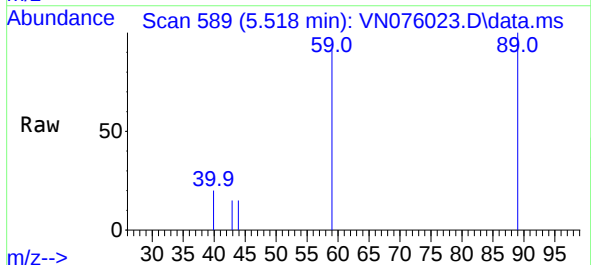
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#04

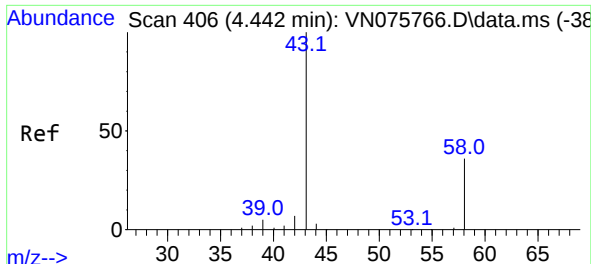
Tgt Ion:168 Resp: 378086
Ion Ratio Lower Upper
168 100
99 51.0 44.2 66.4



#11
Tert butyl alcohol
Concen: 5.752 ug/l
RT: 5.518 min Scan# 589
Delta R.T. -0.017 min
Lab File: VN076023.D
Acq: 29 Dec 2022 01:19

Tgt Ion: 59 Resp: 3348
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

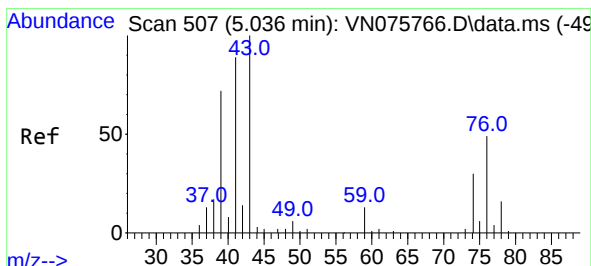
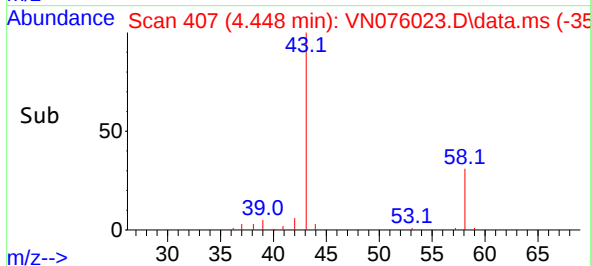
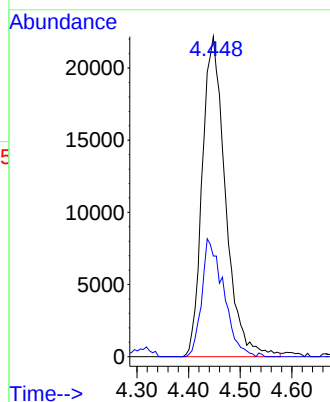
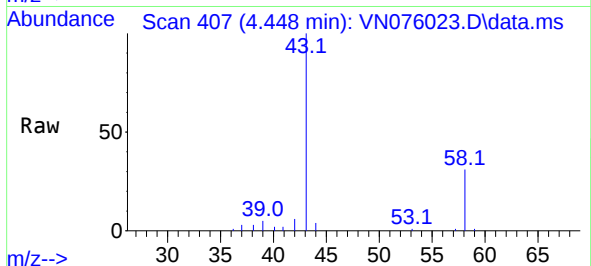




#16
Acetone
Concen: 48.787 ug/l
RT: 4.448 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN076023.D
Acq: 29 Dec 2022 01:19

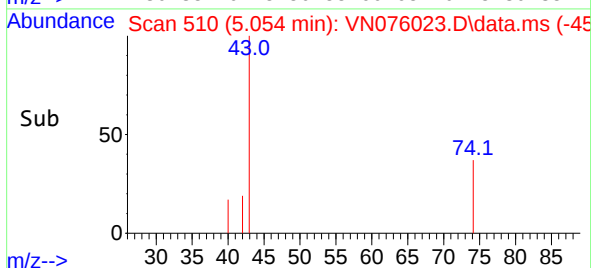
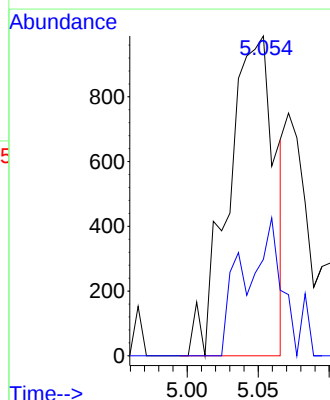
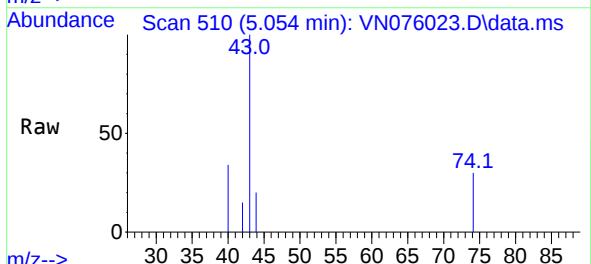
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#04

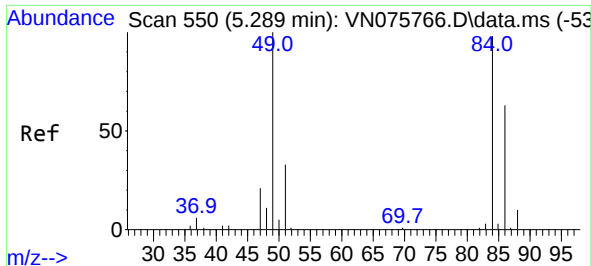
Tgt Ion: 43 Resp: 69176
Ion Ratio Lower Upper
43 100
58 31.5 28.6 43.0



#18
Methyl Acetate
Concen: 0.537 ug/l
RT: 5.054 min Scan# 510
Delta R.T. 0.018 min
Lab File: VN076023.D
Acq: 29 Dec 2022 01:19

Tgt Ion: 43 Resp: 2252
Ion Ratio Lower Upper
43 100
74 24.5 23.6 35.4

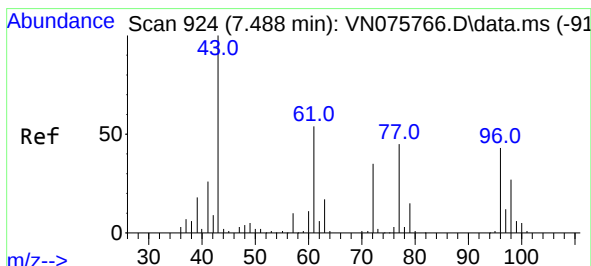
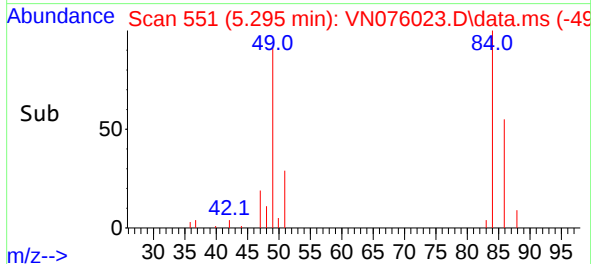
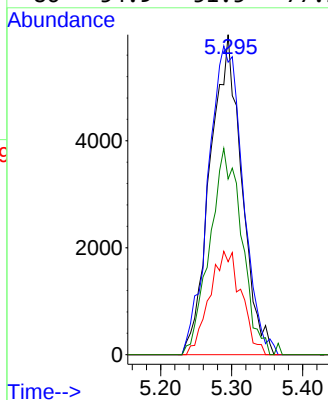
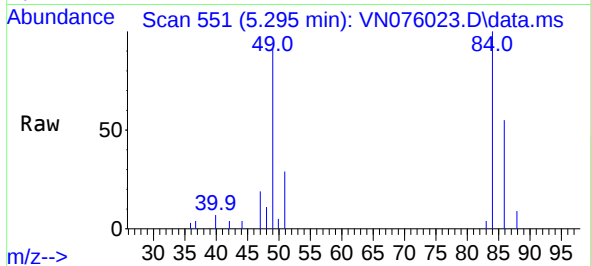




#20
Methylene Chloride
Concen: 4.267 ug/l
RT: 5.295 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN076023.D
Acq: 29 Dec 2022 01:19

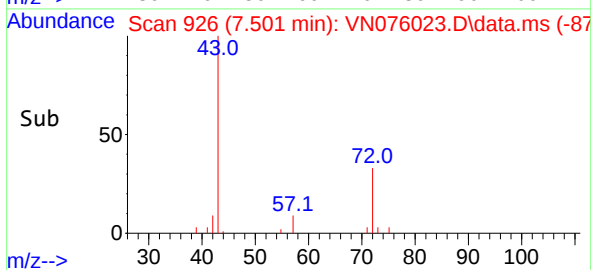
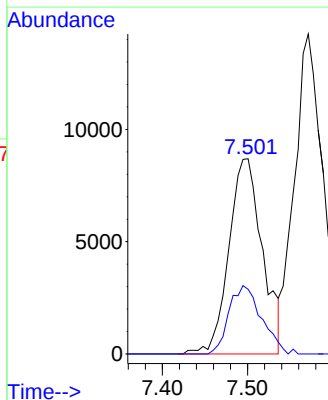
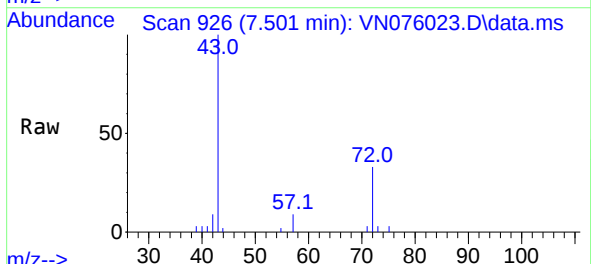
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#04

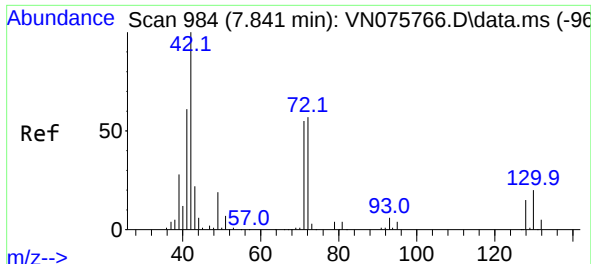
Tgt Ion:	84	Resp:	18405
Ion	Ratio	Lower	Upper
84	100		
49	91.4	81.8	122.6
51	29.0	26.7	40.1
86	54.9	51.5	77.3



#25
2-Butanone
Concen: 11.977 ug/l
RT: 7.501 min Scan# 926
Delta R.T. 0.012 min
Lab File: VN076023.D
Acq: 29 Dec 2022 01:19

Tgt Ion:	43	Resp:	23778
Ion	Ratio	Lower	Upper
43	100		
72	33.1	28.0	42.0

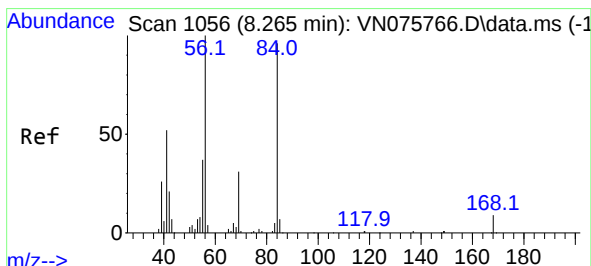
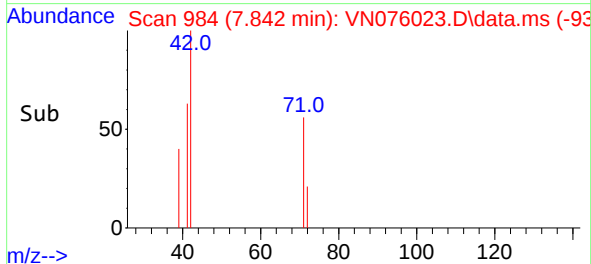
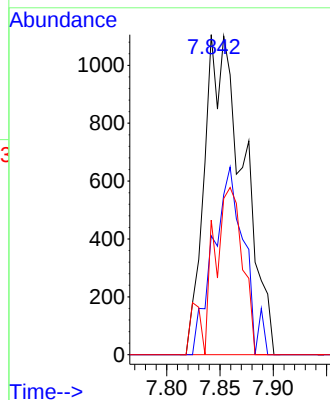
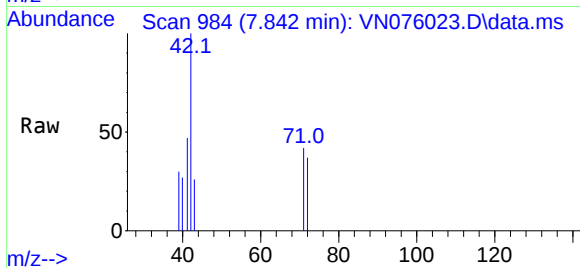




#29
Tetrahydrofuran
Concen: 2.267 ug/l
RT: 7.842 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN076023.D
Acq: 29 Dec 2022 01:19

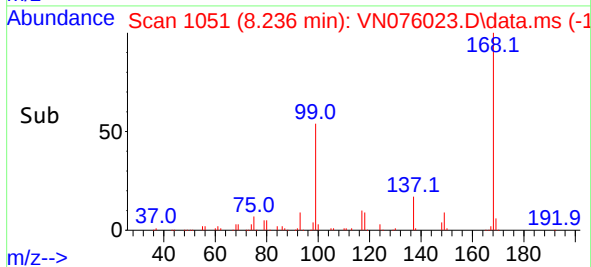
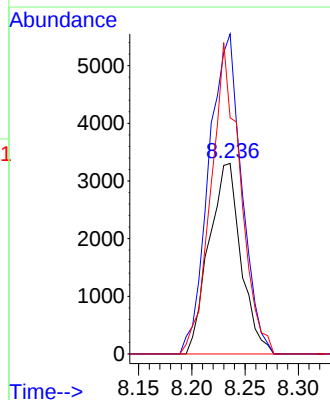
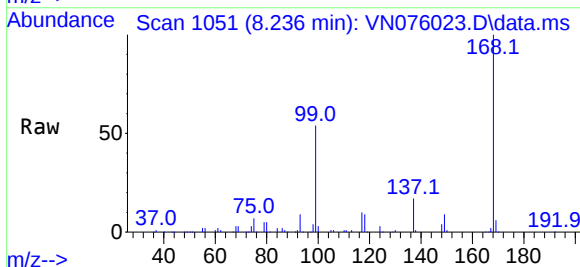
Instrument :
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PB149923ZHE#04

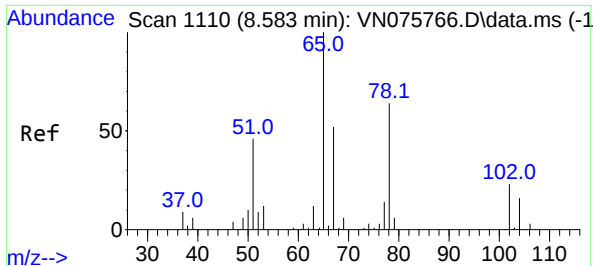
Tgt Ion: 42 Resp: 2820
Ion Ratio Lower Upper
42 100
72 46.3 44.5 66.7
71 41.0 41.0 61.6#



#31
Cyclohexane
Concen: 1.171 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.029 min
Lab File: VN076023.D
Acq: 29 Dec 2022 01:19

Tgt Ion: 56 Resp: 6896
Ion Ratio Lower Upper
56 100
69 167.9 24.7 37.1#
84 124.0 76.5 114.7#

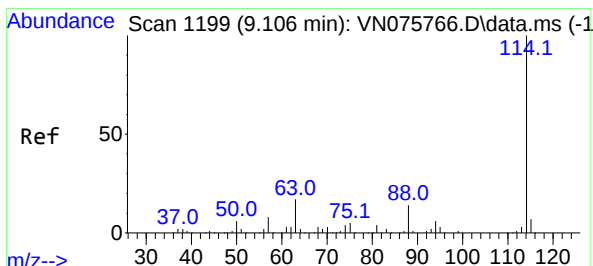
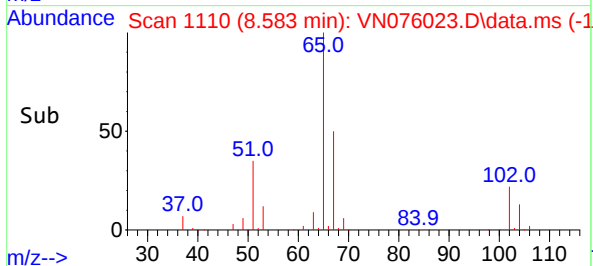
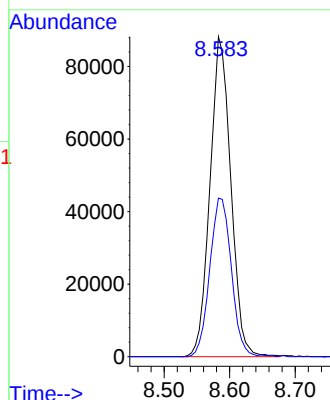
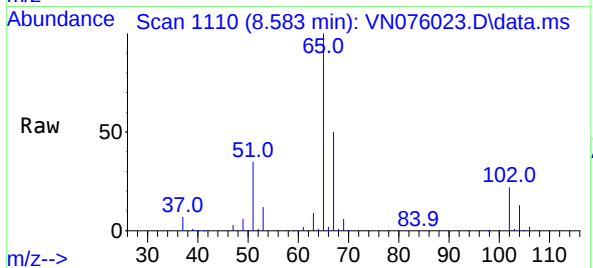




#33
1,2-Dichloroethane-d4
Concen: 47.355 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. 0.000 min
Lab File: VN076023.D
Acq: 29 Dec 2022 01:19

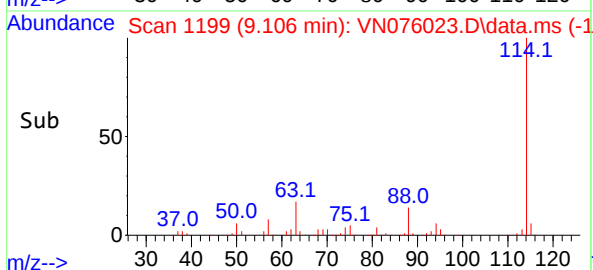
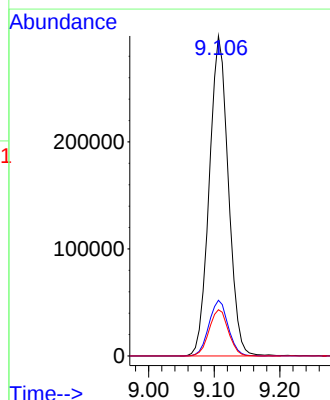
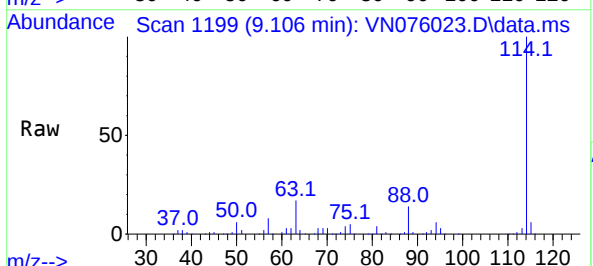
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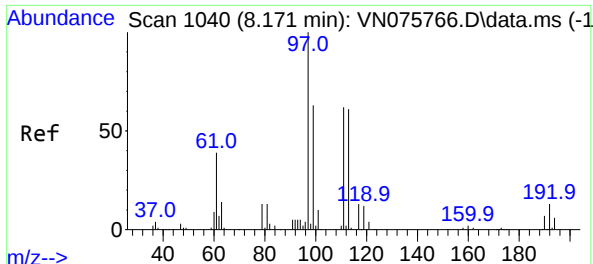
Tgt Ion: 65 Resp: 194780
Ion Ratio Lower Upper
65 100
67 51.4 0.0 103.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN076023.D
Acq: 29 Dec 2022 01:19

Tgt Ion: 114 Resp: 603617
Ion Ratio Lower Upper
114 100
63 17.4 0.0 34.4
88 14.5 0.0 28.8

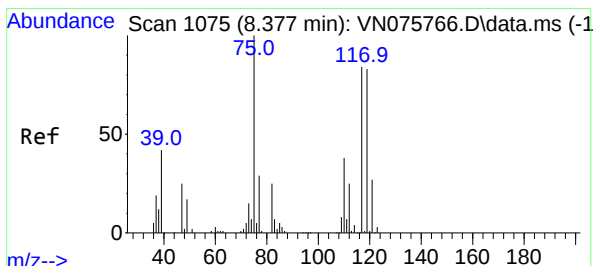
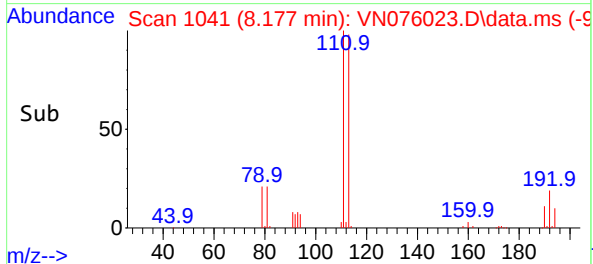
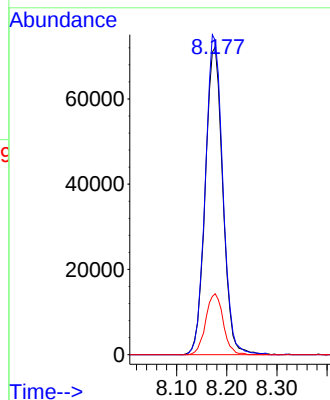
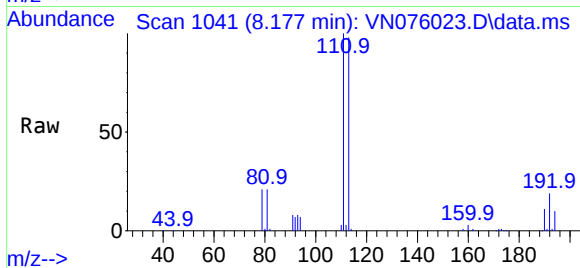




#35
Dibromofluoromethane
Concen: 46.894 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN076023.D
Acq: 29 Dec 2022 01:19

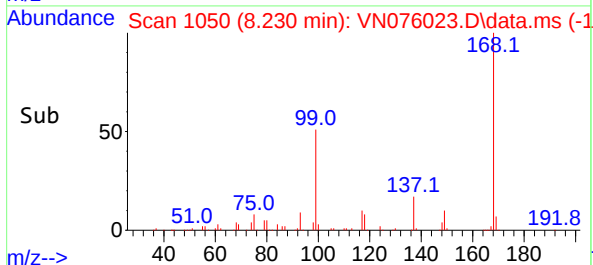
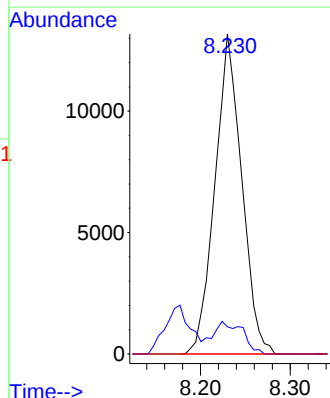
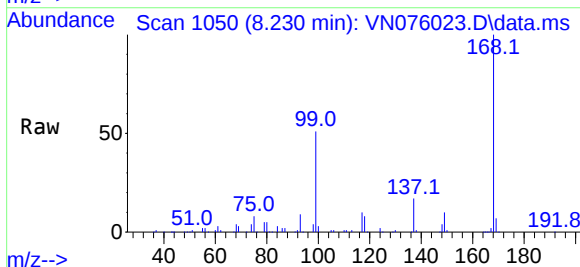
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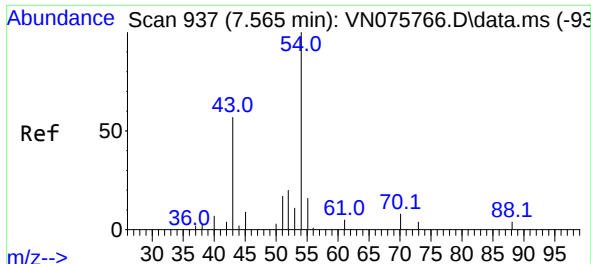
Tgt Ion:113 Resp: 175295
Ion Ratio Lower Upper
113 100
111 103.7 83.4 125.2
192 19.8 16.1 24.1



#36
1,1-Dichloropropene
Concen: 5.491 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN076023.D
Acq: 29 Dec 2022 01:19

Tgt Ion: 75 Resp: 27267
Ion Ratio Lower Upper
75 100
110 9.8 18.8 56.4#
77 0.0 24.1 36.1#

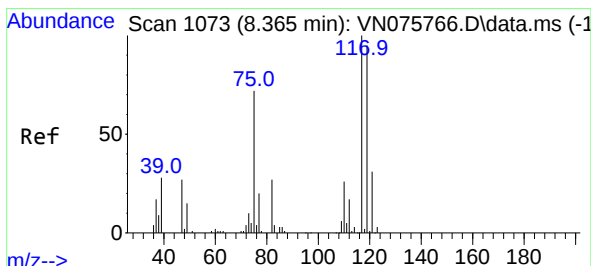
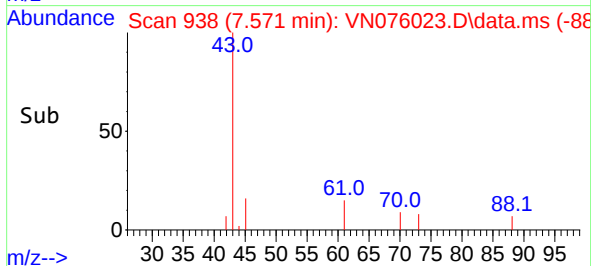
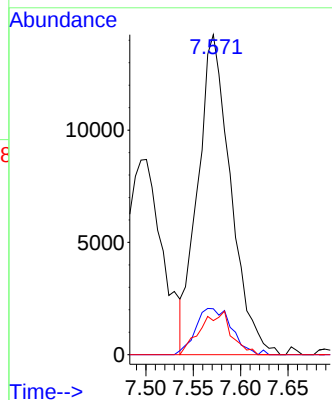
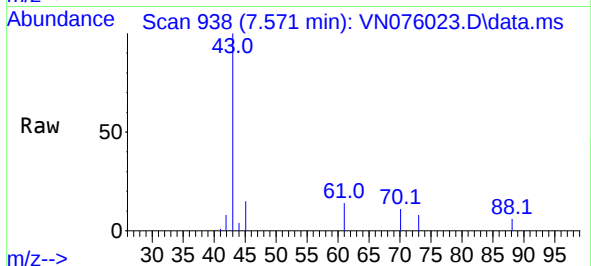




#37
Ethyl Acetate
Concen: 8.605 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN076023.D
Acq: 29 Dec 2022 01:19

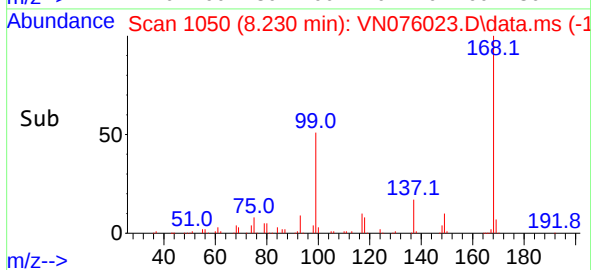
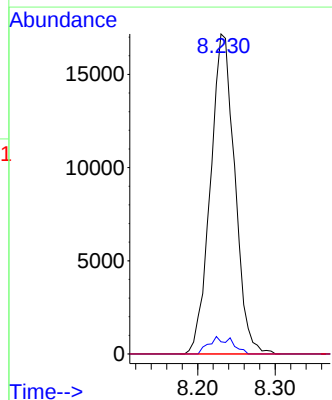
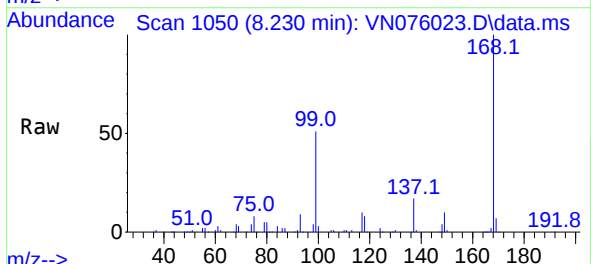
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#04

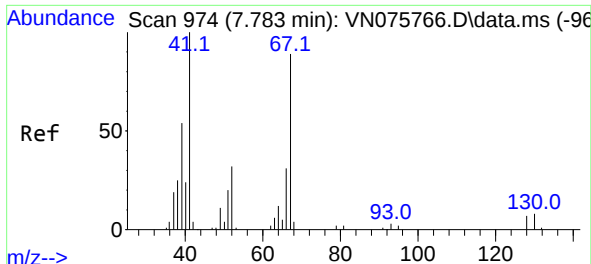
Tgt Ion:	43	Resp:	34324
Ion	Ratio	Lower	Upper
43	100		
61	15.8	13.0	19.4
70	12.7	9.4	14.0



#38
Carbon Tetrachloride
Concen: 6.747 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN076023.D
Acq: 29 Dec 2022 01:19

Tgt Ion:	117	Resp:	37499
Ion	Ratio	Lower	Upper
117	100		
119	3.8	76.1	114.1#
121	0.0	24.5	36.7#

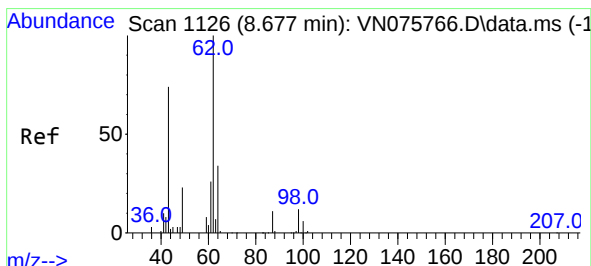
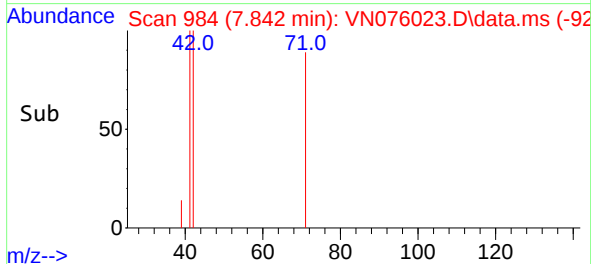
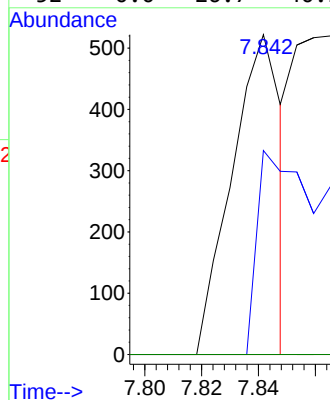
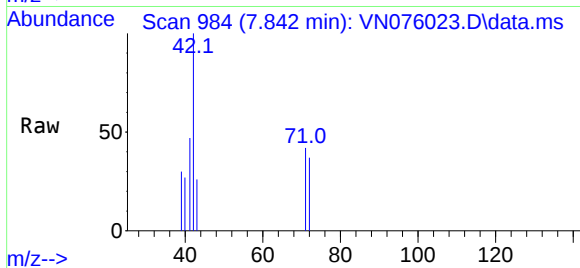




#41
Methacrylonitrile
Concen: 0.305 ug/l
RT: 7.842 min Scan# 91
Delta R.T. 0.059 min
Lab File: VN076023.D
Acq: 29 Dec 2022 01:19

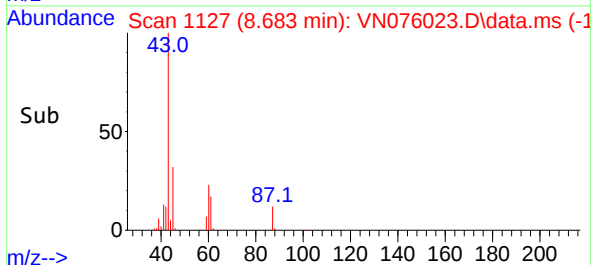
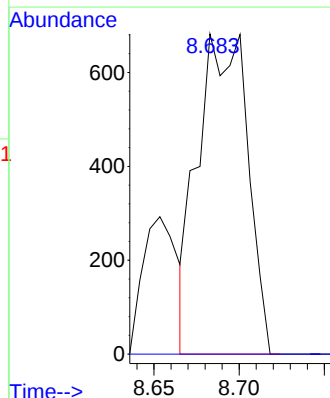
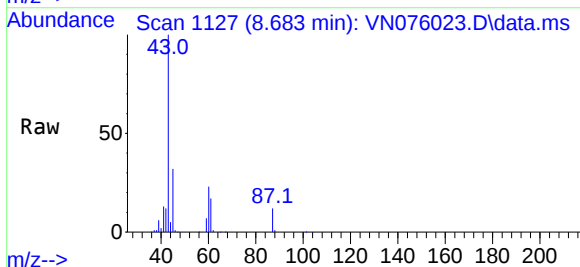
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#04

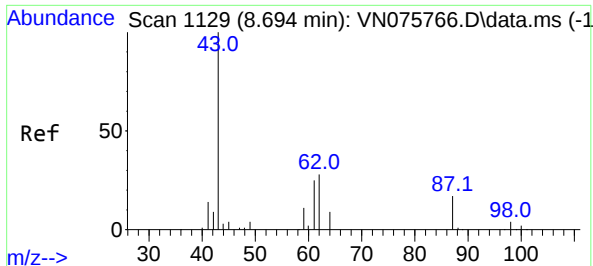
Tgt Ion:	41	Resp:	632
Ion	Ratio	Lower	Upper
41	100		
39	106.8	43.1	64.7#
67	0.0	70.7	106.1#
52	0.0	26.7	40.1#



#42
1,2-Dichloroethane
Concen: 0.270 ug/l
RT: 8.683 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN076023.D
Acq: 29 Dec 2022 01:19

Tgt Ion:	62	Resp:	1375
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	20.8

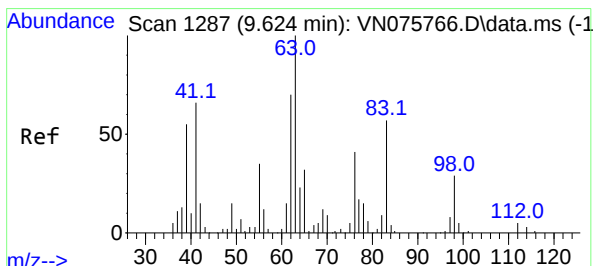
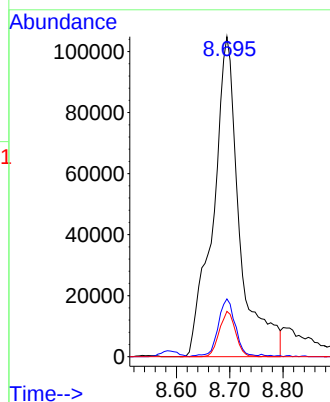
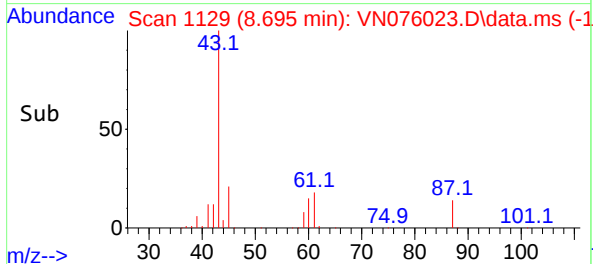
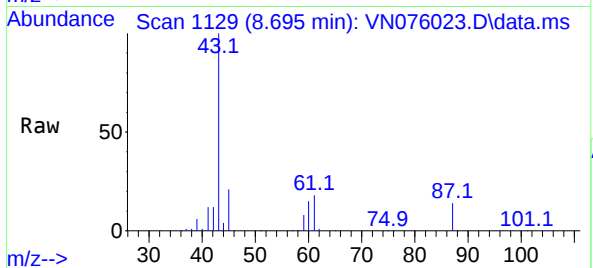




#43
Isopropyl Acetate
Concen: 54.939 ug/l
RT: 8.695 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN076023.D
Acq: 29 Dec 2022 01:19

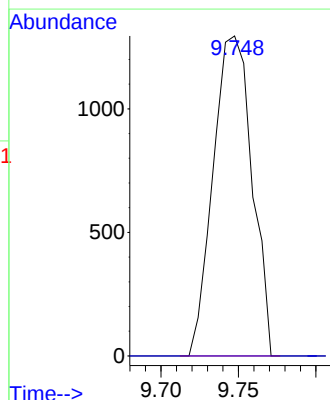
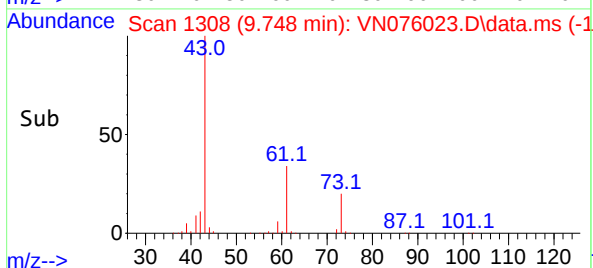
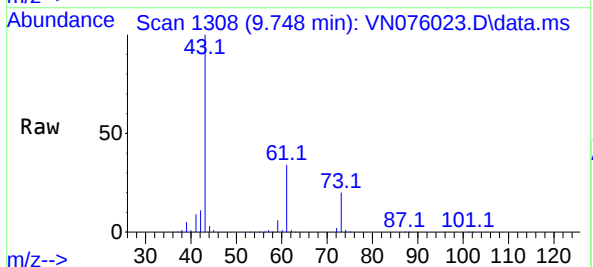
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#04

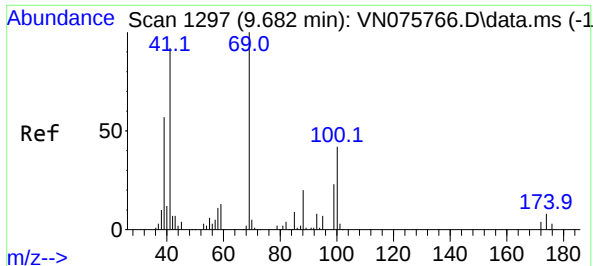
Tgt Ion: 43 Resp: 361477
Ion Ratio Lower Upper
43 100
61 11.8 24.2 36.4#
87 8.6 13.3 19.9#



#45
1,2-Dichloropropane
Concen: 0.606 ug/l
RT: 9.748 min Scan# 1308
Delta R.T. 0.124 min
Lab File: VN076023.D
Acq: 29 Dec 2022 01:19

Tgt Ion: 63 Resp: 2259
Ion Ratio Lower Upper
63 100
65 0.0 25.7 38.5#

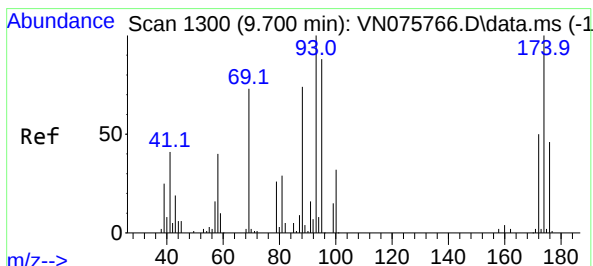
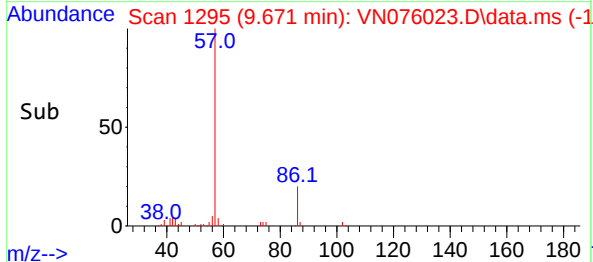
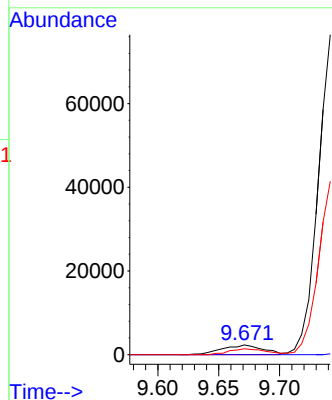
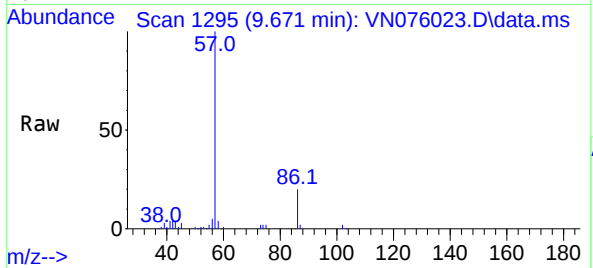




#48
Methyl methacrylate
Concen: 1.828 ug/l
RT: 9.671 min Scan# 1309
Delta R.T. -0.011 min
Lab File: VN076023.D
Acq: 29 Dec 2022 01:19

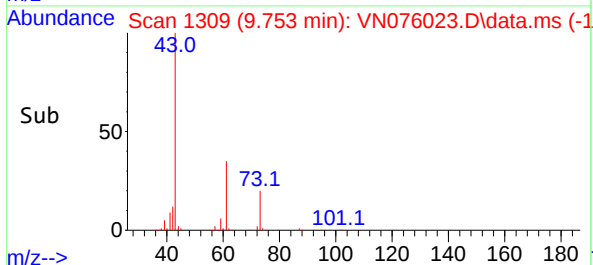
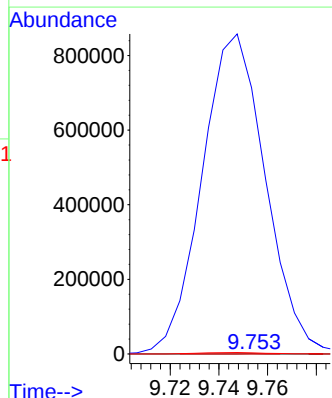
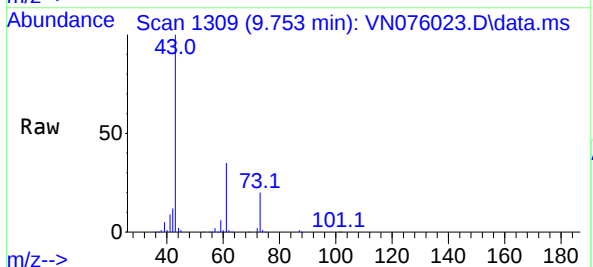
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#04

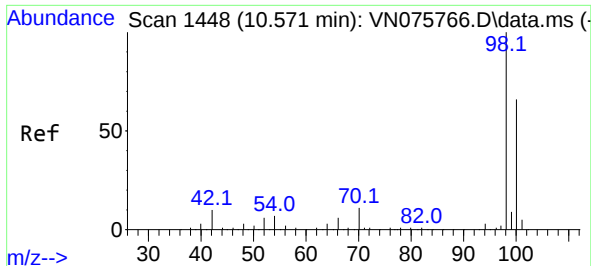
Tgt Ion: 41 Resp: 5416
Ion Ratio Lower Upper
41 100
69 0.0 81.9 122.9#
39 56.4 51.6 77.4



#49
1,4-Dioxane
Concen: 4.104 ug/l
RT: 9.753 min Scan# 1309
Delta R.T. 0.053 min
Lab File: VN076023.D
Acq: 29 Dec 2022 01:19

Tgt Ion: 88 Resp: 299
Ion Ratio Lower Upper
88 100
43 523199.7 17.1 25.7#
58 2377.3 47.8 71.8#

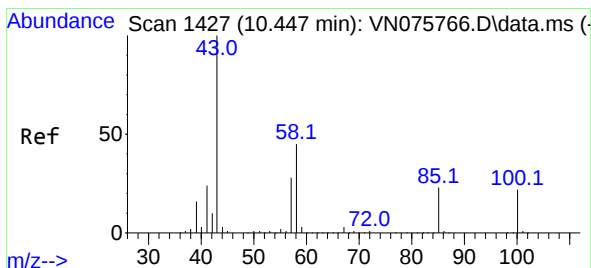
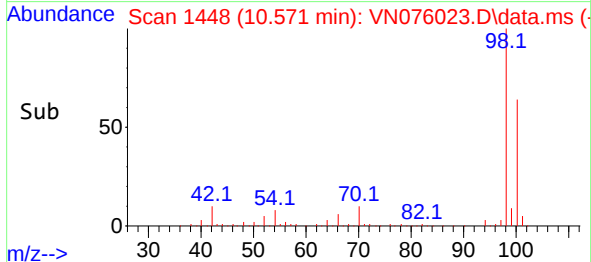
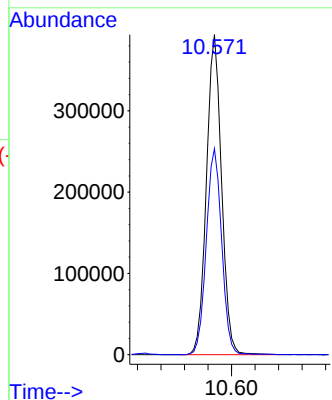
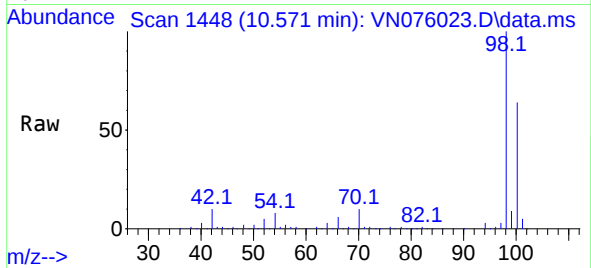




#50
Toluene-d8
Concen: 50.463 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN076023.D
Acq: 29 Dec 2022 01:19

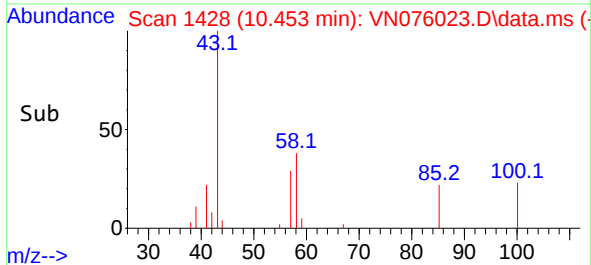
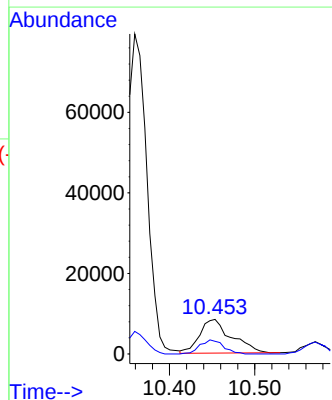
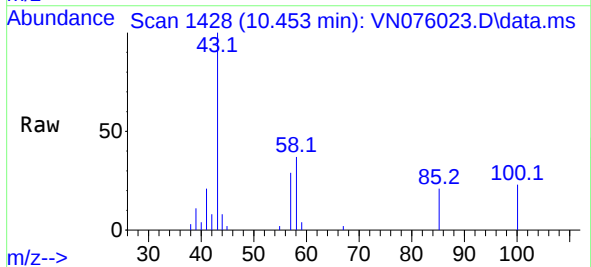
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#04

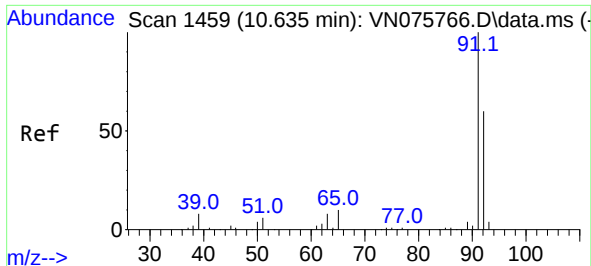
Tgt Ion: 98 Resp: 705286
Ion Ratio Lower Upper
98 100
100 65.5 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 5.473 ug/l
RT: 10.453 min Scan# 1428
Delta R.T. 0.006 min
Lab File: VN076023.D
Acq: 29 Dec 2022 01:19

Tgt Ion: 43 Resp: 21776
Ion Ratio Lower Upper
43 100
58 30.7 35.5 53.3#

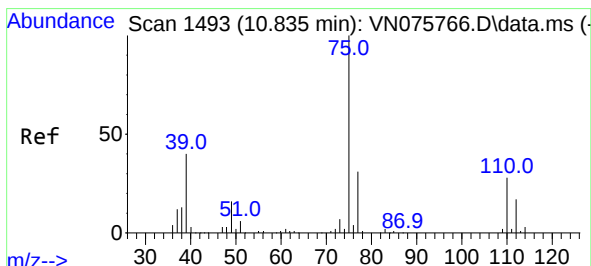
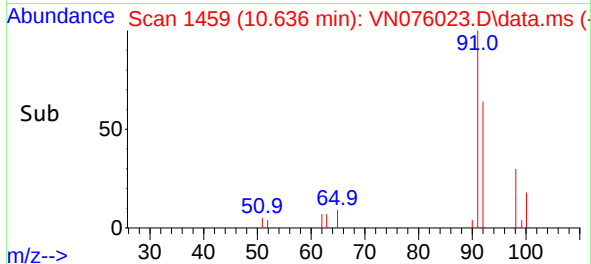
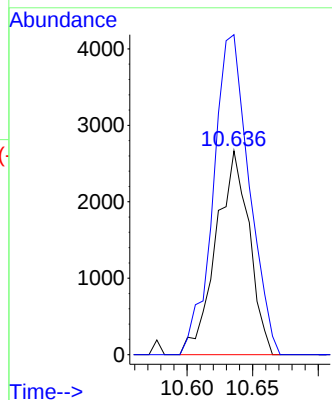
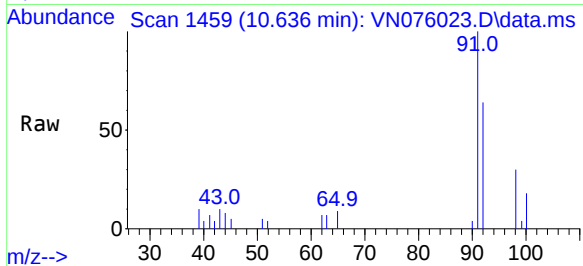




#52
Toluene
Concen: 0.471 ug/l
RT: 10.636 min Scan# 1459
Delta R.T. 0.000 min
Lab File: VN076023.D
Acq: 29 Dec 2022 01:19

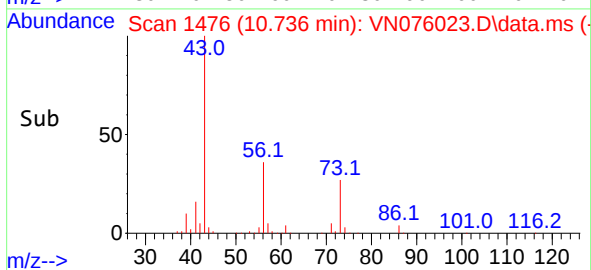
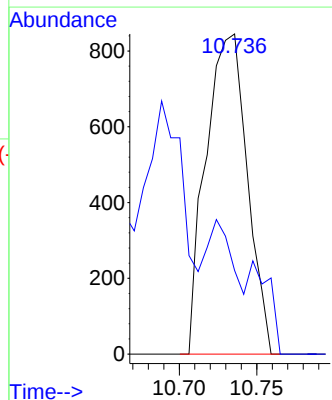
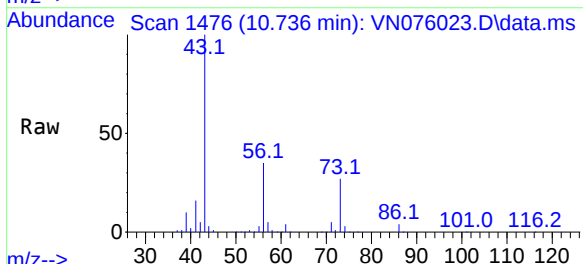
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#04

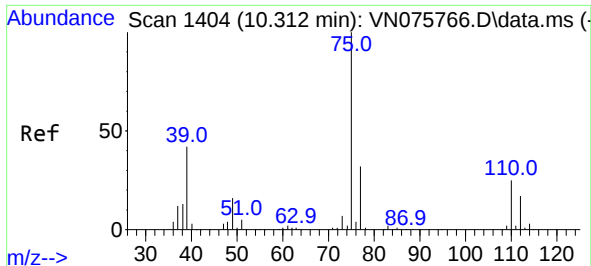
Tgt Ion: 92 Resp: 4699
Ion Ratio Lower Upper
92 100
91 169.5 137.3 205.9



#53
t-1,3-Dichloropropene
Concen: 0.295 ug/l
RT: 10.736 min Scan# 1476
Delta R.T. -0.100 min
Lab File: VN076023.D
Acq: 29 Dec 2022 01:19

Tgt Ion: 75 Resp: 1566
Ion Ratio Lower Upper
75 100
77 26.2 24.9 37.3

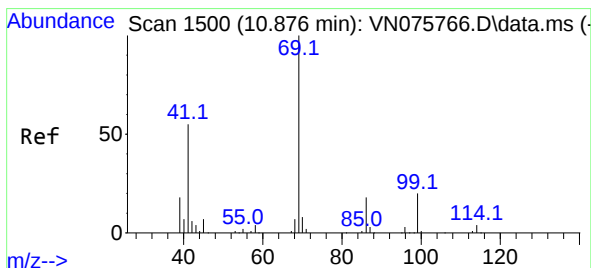
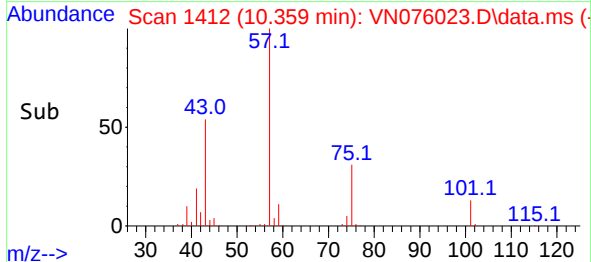
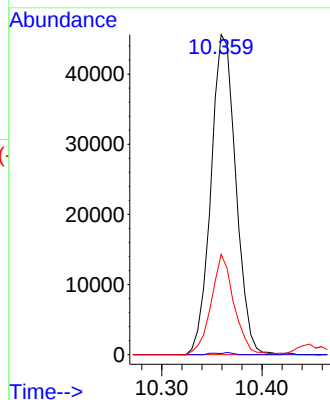
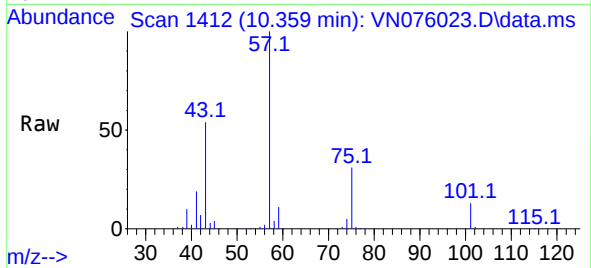




#54
cis-1,3-Dichloropropene
Concen: 13.507 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. 0.047 min
Lab File: VN076023.D
Acq: 29 Dec 2022 01:19

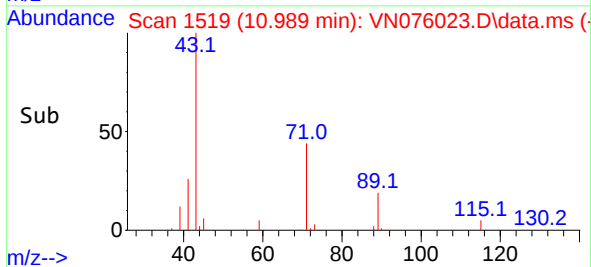
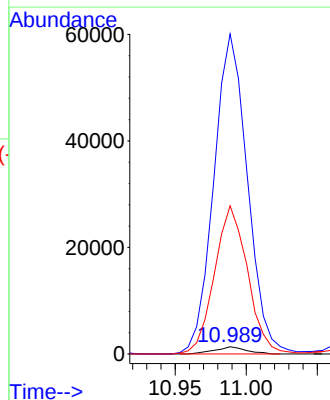
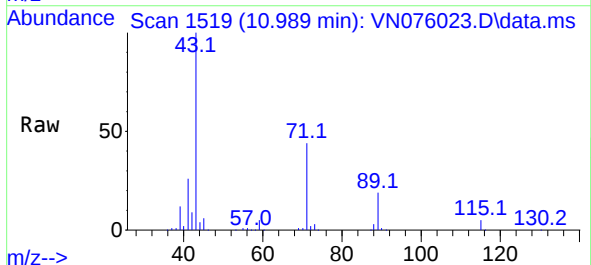
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#04

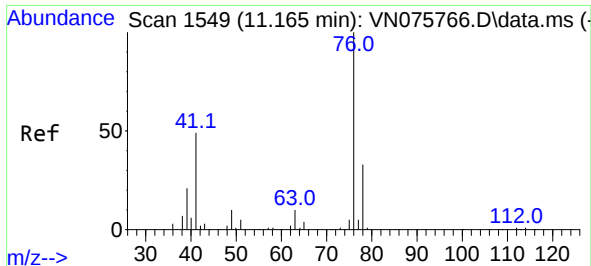
Tgt Ion: 75 Resp: 78722
Ion Ratio Lower Upper
75 100
77 0.4 25.8 38.8#
39 31.4 33.4 50.2#



#56
Ethyl methacrylate
Concen: 0.397 ug/l
RT: 10.989 min Scan# 1519
Delta R.T. 0.112 min
Lab File: VN076023.D
Acq: 29 Dec 2022 01:19

Tgt Ion: 69 Resp: 2065
Ion Ratio Lower Upper
69 100
41 4807.4 44.2 66.4#
39 2185.1 26.4 39.6#





#57

1,3-Dichloropropane

Concen: 1.568 ug/l

RT: 11.206 min Scan# 1556

Delta R.T. 0.042 min

Lab File: VN076023.D

Acq: 29 Dec 2022 01:19

Instrument :

MSVOA_N

ClientSampleId :

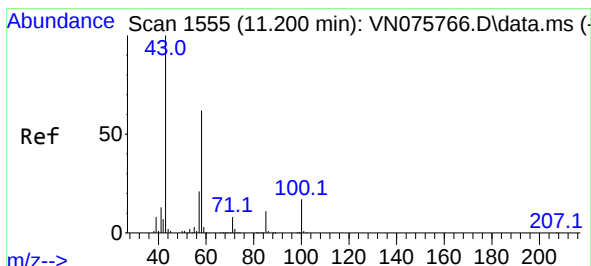
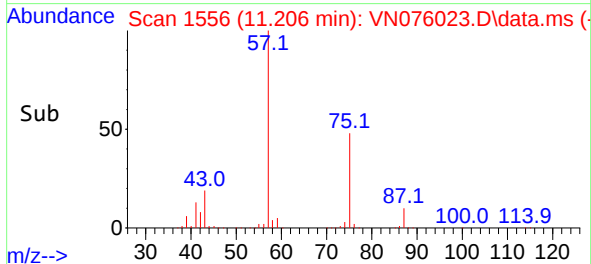
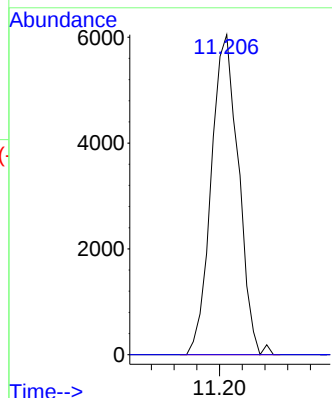
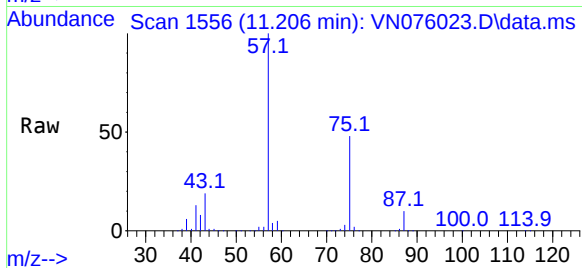
PB149923ZHE#04

Tgt Ion: 76 Resp: 10074

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#



#59

2-Hexanone

Concen: 52.851 ug/l

RT: 11.171 min Scan# 1550

Delta R.T. -0.029 min

Lab File: VN076023.D

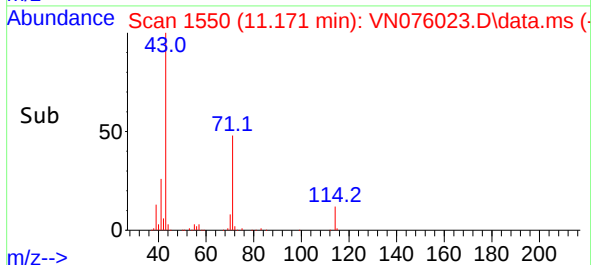
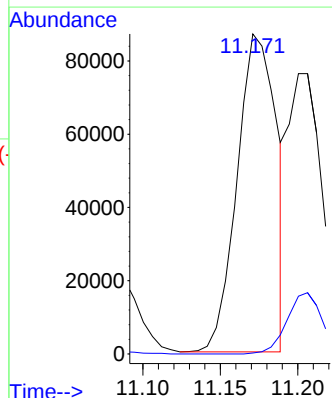
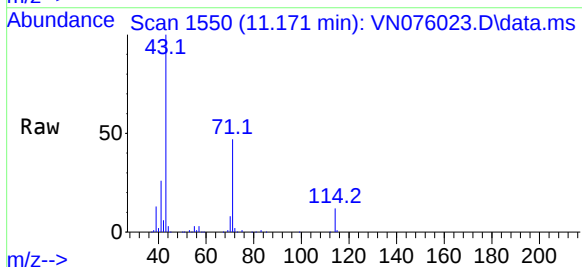
Acq: 29 Dec 2022 01:19

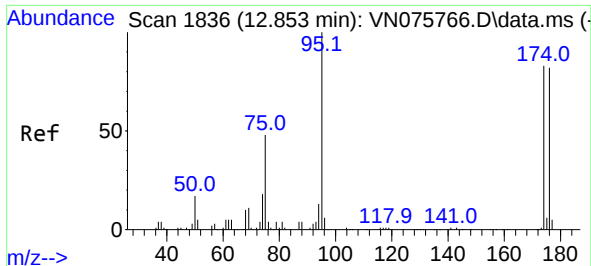
Tgt Ion: 43 Resp: 153363

Ion Ratio Lower Upper

43 100

58 0.0 30.6 92.0#

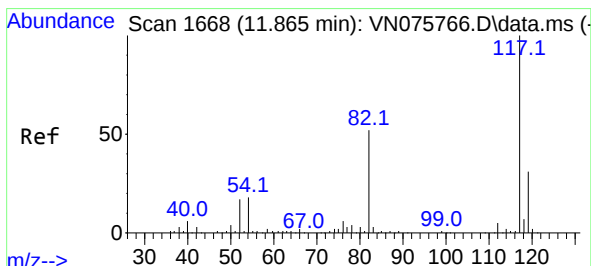
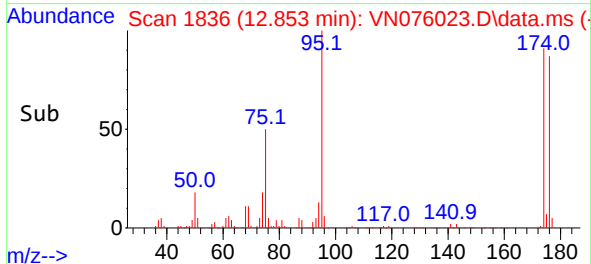
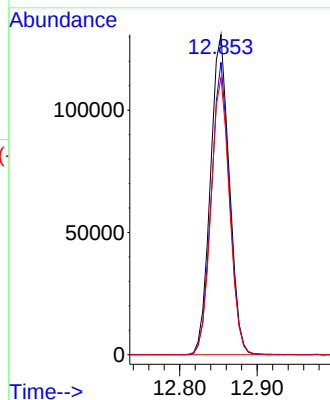
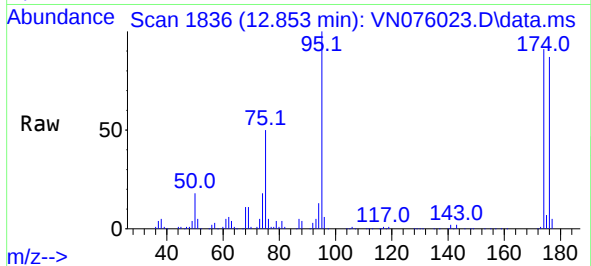




#62
4-Bromofluorobenzene
Concen: 47.862 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN076023.D
Acq: 29 Dec 2022 01:19

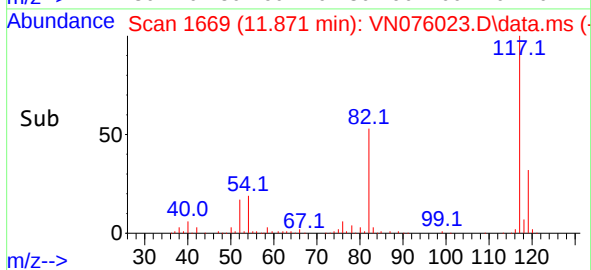
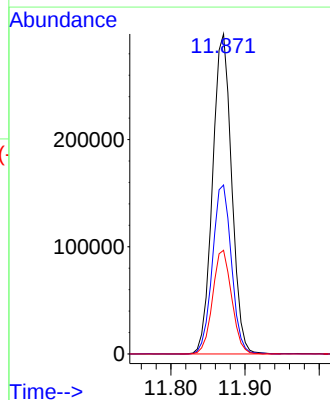
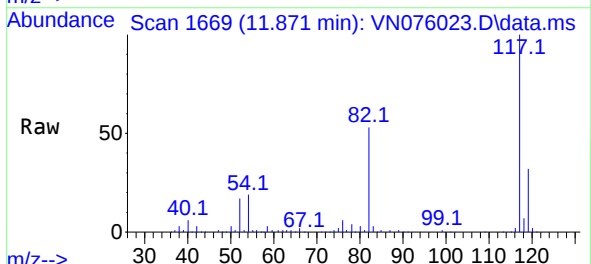
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#04

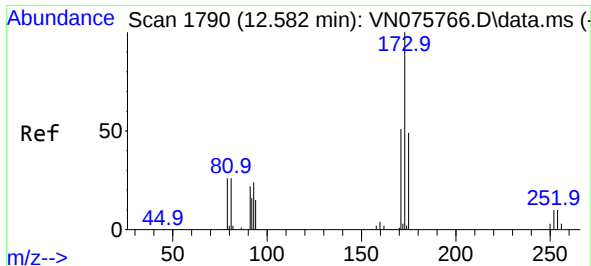
Tgt Ion: 95 Resp: 221559
Ion Ratio Lower Upper
95 100
174 88.3 0.0 171.6
176 85.1 0.0 169.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN076023.D
Acq: 29 Dec 2022 01:19

Tgt Ion: 117 Resp: 533247
Ion Ratio Lower Upper
117 100
82 52.8 41.3 61.9
119 32.4 24.6 37.0

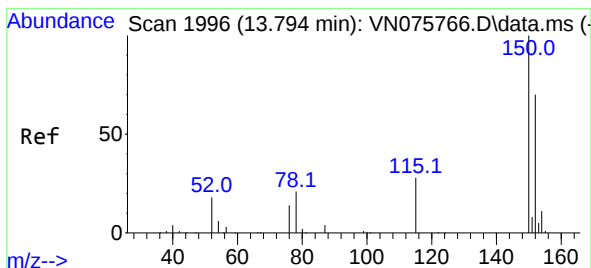
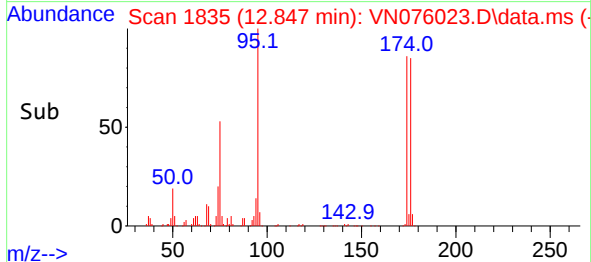
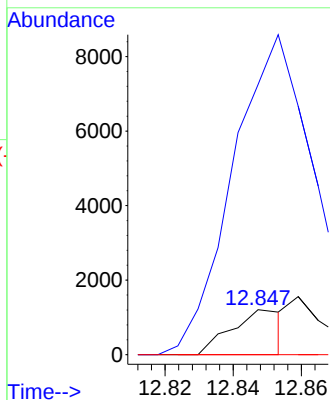
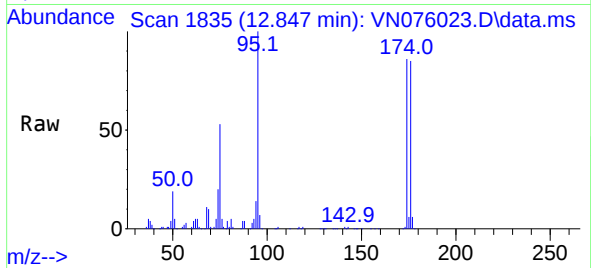




#71
Bromoform
Concen: 0.435 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.265 min
Lab File: VN076023.D
Acq: 29 Dec 2022 01:19

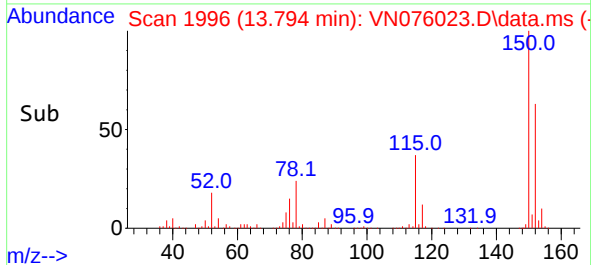
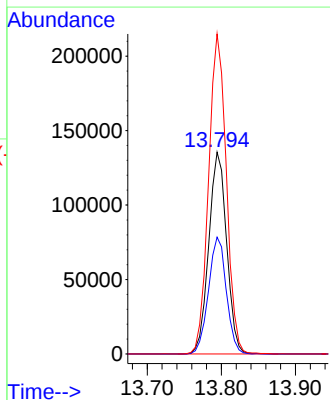
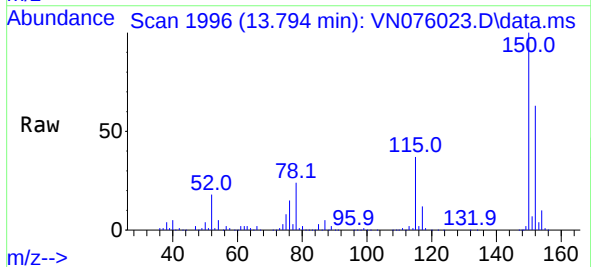
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#04

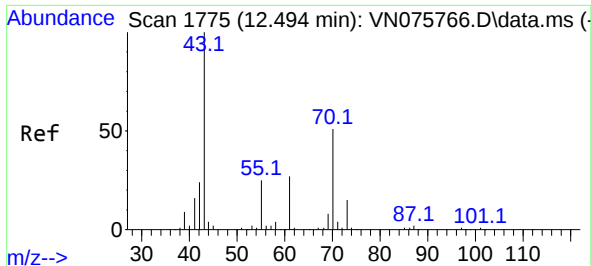
Tgt Ion:173 Resp: 1282
Ion Ratio Lower Upper
173 100
175 903.4 24.3 72.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN076023.D
Acq: 29 Dec 2022 01:19

Tgt Ion:152 Resp: 227164
Ion Ratio Lower Upper
152 100
115 57.7 29.1 87.4
150 157.1 0.0 347.0

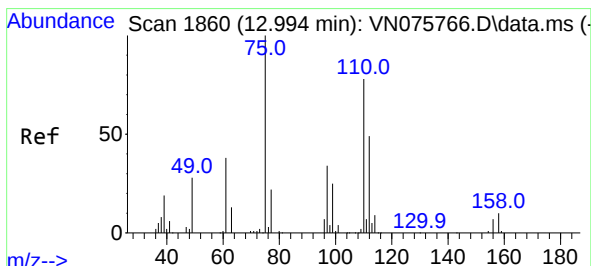
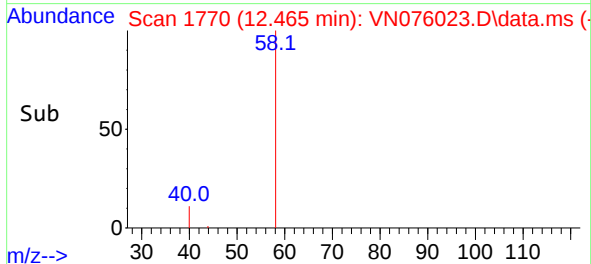
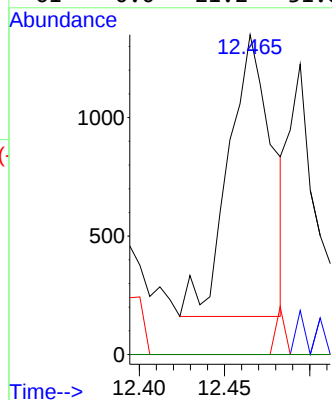
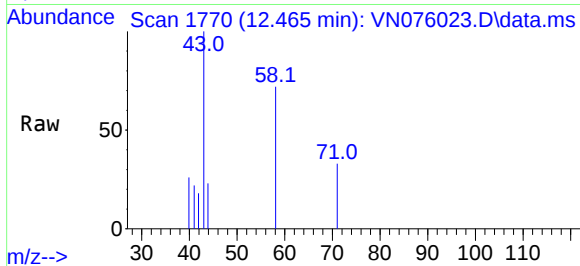




#74
N-amy1 acetate
Concen: 0.437 ug/l
RT: 12.465 min Scan# 11
Delta R.T. -0.029 min
Lab File: VN076023.D
Acq: 29 Dec 2022 01:19

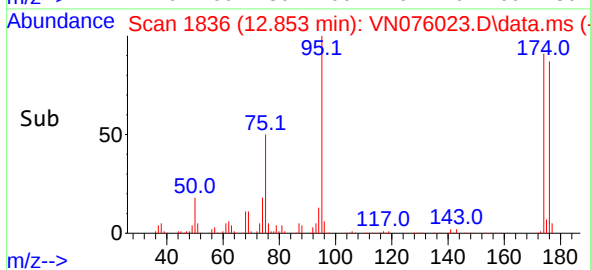
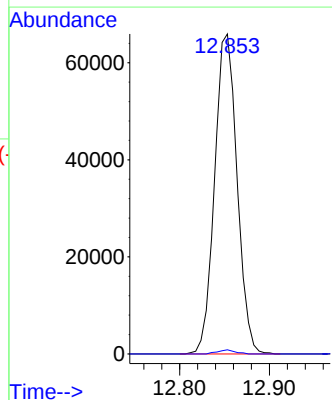
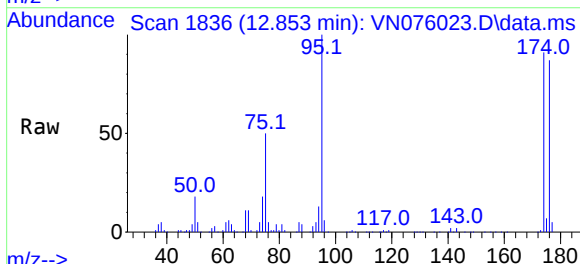
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#04

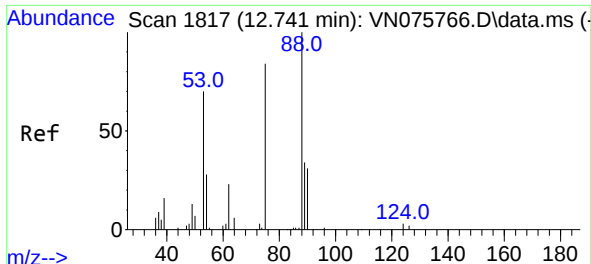
Tgt Ion: 43	Resp: 2103
Ion Ratio	Lower Upper
43 100	
70 0.0	41.4 62.0#
55 0.0	21.3 31.9#
61 0.0	21.2 31.8#



#76
1,2,3-Trichloropropane
Concen: 24.991 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076023.D
Acq: 29 Dec 2022 01:19

Tgt Ion: 75	Resp: 114434
Ion Ratio	Lower Upper
75 100	
77 1.0	82.6 247.8#

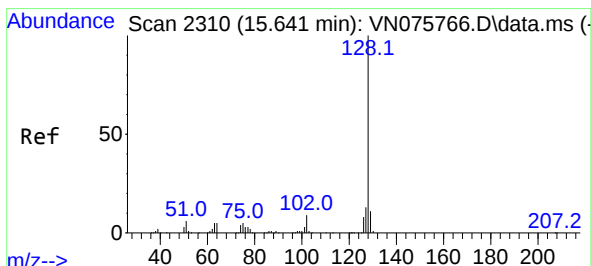
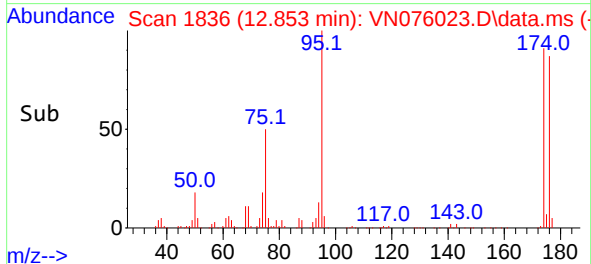
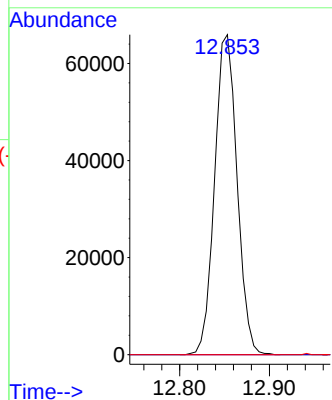
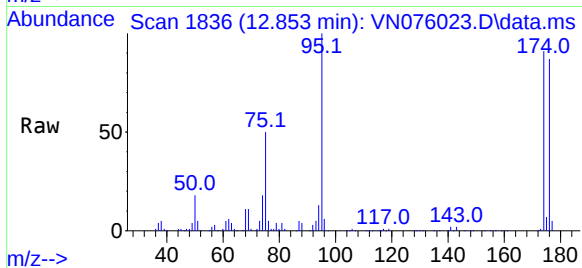




#81
trans-1,4-Dichloro-2-butene
Concen: 89.954 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN076023.D
Acq: 29 Dec 2022 01:19

Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#04

Tgt Ion: 75 Resp: 114434
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#



#95
Naphthalene
Concen: 2.533 ug/l
RT: 15.647 min Scan# 2311
Delta R.T. 0.006 min
Lab File: VN076023.D
Acq: 29 Dec 2022 01:19

Tgt Ion:128 Resp: 4590
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 6.0 8.7 13.1#

