

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122822\
 Data File : VN076026.D
 Acq On : 29 Dec 2022 02:31
 Operator : JC\MD
 Sample : PB149923ZHE#07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB149923ZHE#07

Quant Time: Dec 29 07:49:59 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)

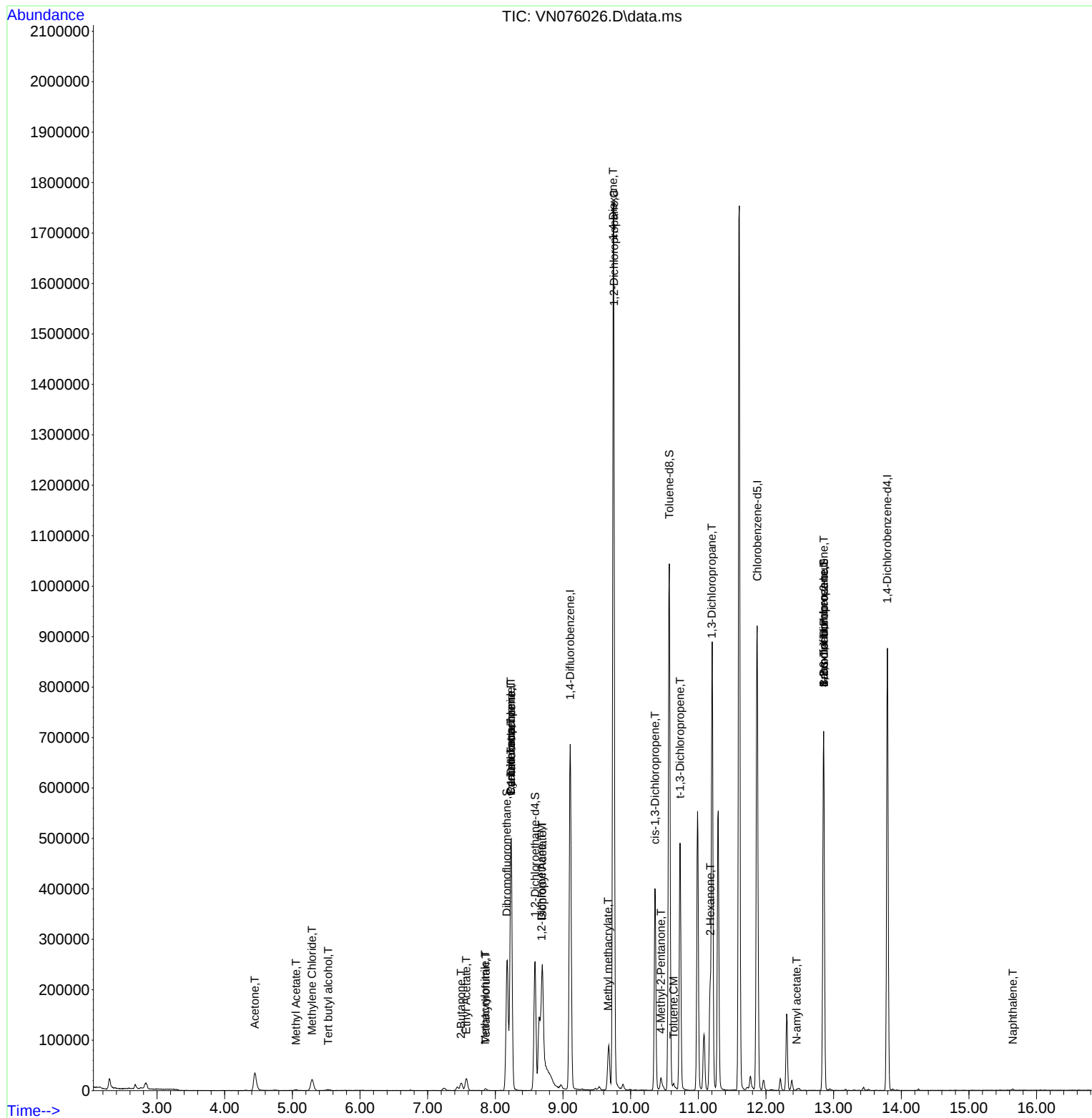
Internal Standards						
1) Pentafluorobenzene	8.236	168	403145	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	638250	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	573192	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	245923	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.589	65	203702	46.445	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.900%		
35) Dibromofluoromethane	8.171	113	185387	46.903	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.800%		
50) Toluene-d8	10.571	98	744693	50.391	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.780%		
62) 4-Bromofluorobenzene	12.853	95	242706	49.585	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.180%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.530	59	2486	4.006	ug/l #	72
16) Acetone	4.448	43	67112	44.390	ug/l	99
18) Methyl Acetate	5.053	43	3454	0.773	ug/l #	83
20) Methylene Chloride	5.289	84	19137	4.144	ug/l	94
25) 2-Butanone	7.494	43	23564	11.131	ug/l	97
29) Tetrahydrofuran	7.859	42	2382	1.796	ug/l	96
31) Cyclohexane	8.230	56	7374	1.174	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	28542	5.436	ug/l #	48
37) Ethyl Acetate	7.571	43	36834	8.734	ug/l	96
38) Carbon Tetrachloride	8.230	117	38040	6.473	ug/l #	16
41) Methacrylonitrile	7.847	41	664	0.303	ug/l #	38
42) 1,2-Dichloroethane	8.683	62	2092	0.388	ug/l #	72
43) Isopropyl Acetate	8.694	43	408825	58.763	ug/l #	69
45) 1,2-Dichloropropane	9.753	63	2370	0.601	ug/l #	43
48) Methyl methacrylate	9.665	41	4588	1.464	ug/l #	30
49) 1,4-Dioxane	9.741	88	176	2.285	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	20436	4.857	ug/l #	81
52) Toluene	10.635	92	4419	0.419	ug/l	98
53) t-1,3-Dichloropropene	10.730	75	1414	0.252	ug/l #	83
54) cis-1,3-Dichloropropene	10.359	75	77986	12.655	ug/l #	61
57) 1,3-Dichloropropane	11.200	76	10161	1.496	ug/l #	42
59) 2-Hexanone	11.177	43	149629	48.766	ug/l #	20
71) Bromoform	12.853	173	1929	0.608	ug/l #	1
74) N-amyl acetate	12.453	43	3759	0.721	ug/l #	37
76) 1,2,3-Trichloropropane	12.853	75	121598	24.530	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	121598	88.294	ug/l #	12
95) Naphthalene	15.647	128	3552	2.431	ug/l #	87

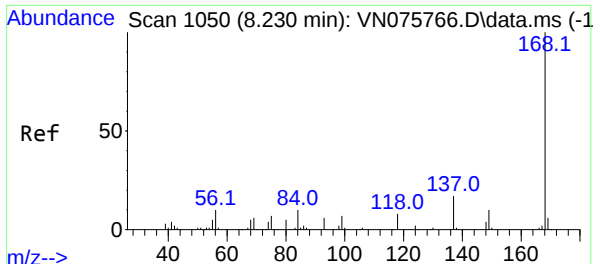
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122822\
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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: 8.236 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN076026.D

Acq: 29 Dec 2022 02:31

Instrument :

MSVOA_N

ClientSampleId :

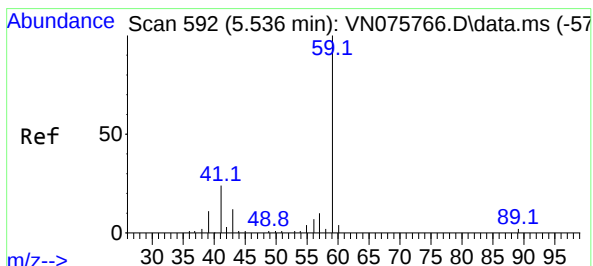
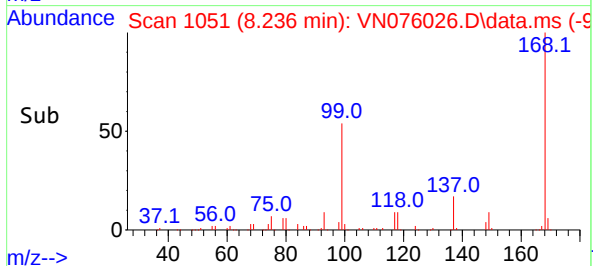
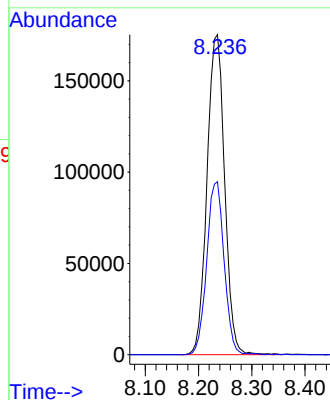
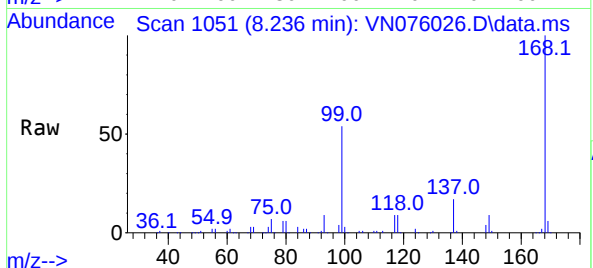
PB149923ZHE#07

Tgt Ion:168 Resp: 403145

Ion Ratio Lower Upper

168 100

99 54.1 44.2 66.4



#11

Tert butyl alcohol

Concen: 4.006 ug/l

RT: 5.530 min Scan# 591

Delta R.T. -0.006 min

Lab File: VN076026.D

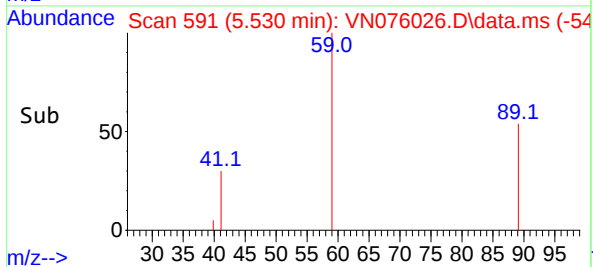
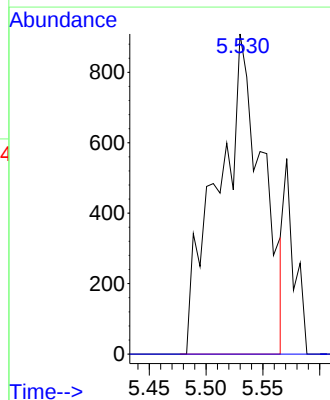
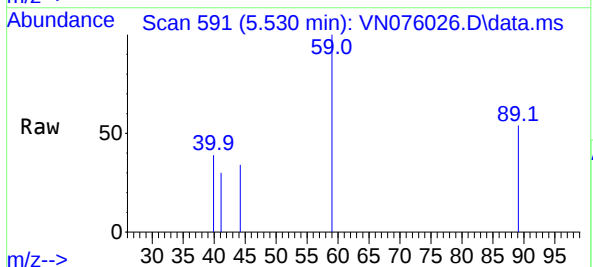
Acq: 29 Dec 2022 02:31

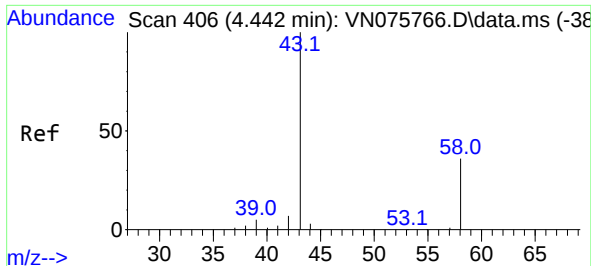
Tgt Ion: 59 Resp: 2486

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#

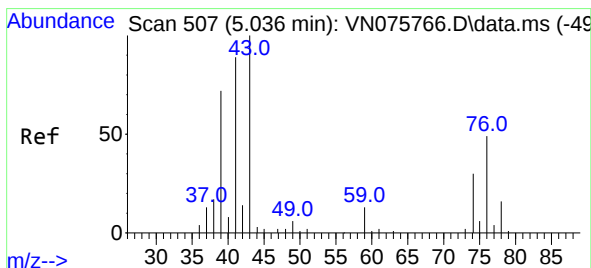
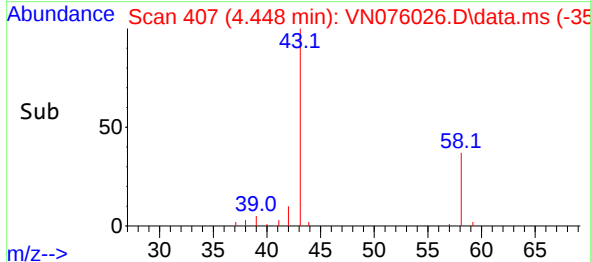
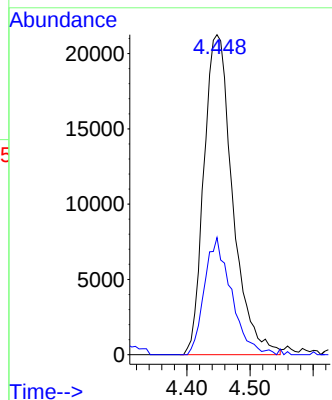
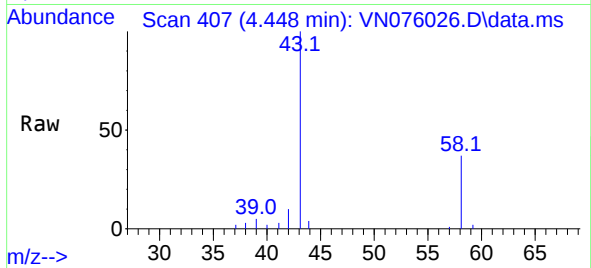




#16
Acetone
Concen: 44.390 ug/l
RT: 4.448 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN076026.D
Acq: 29 Dec 2022 02:31

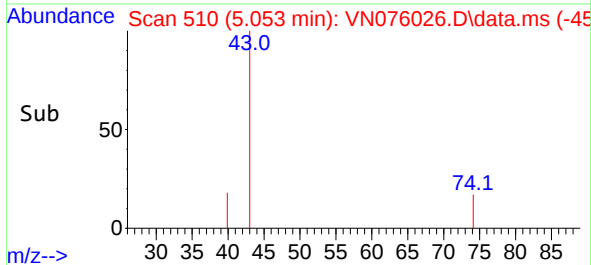
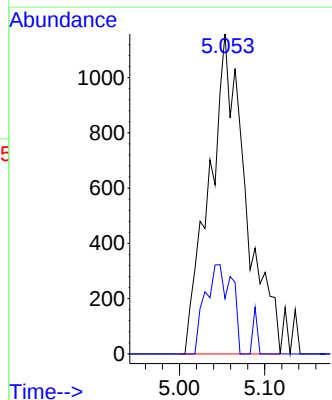
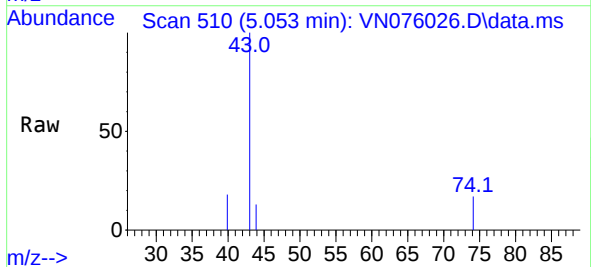
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#07

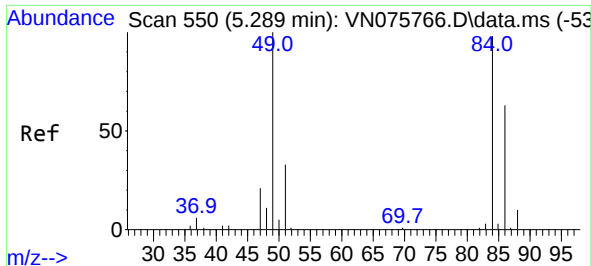
Tgt Ion: 43 Resp: 67112
Ion Ratio Lower Upper
43 100
58 36.6 28.6 43.0



#18
Methyl Acetate
Concen: 0.773 ug/l
RT: 5.053 min Scan# 510
Delta R.T. 0.018 min
Lab File: VN076026.D
Acq: 29 Dec 2022 02:31

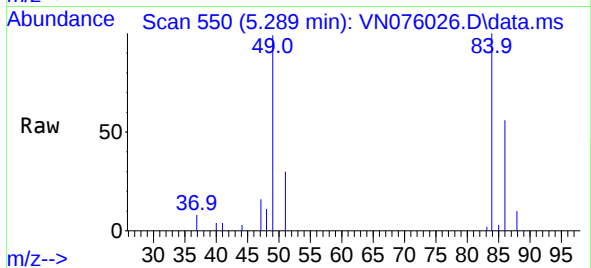
Tgt Ion: 43 Resp: 3454
Ion Ratio Lower Upper
43 100
74 20.2 23.6 35.4#





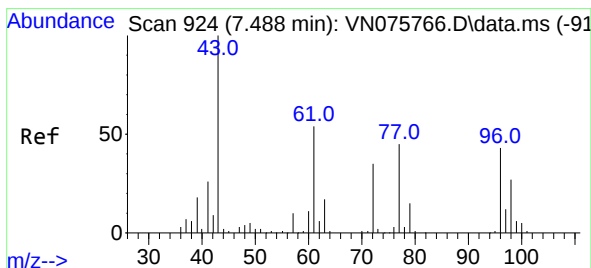
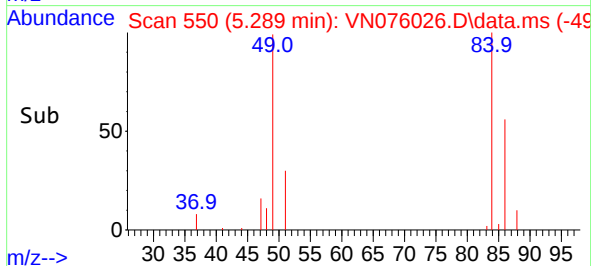
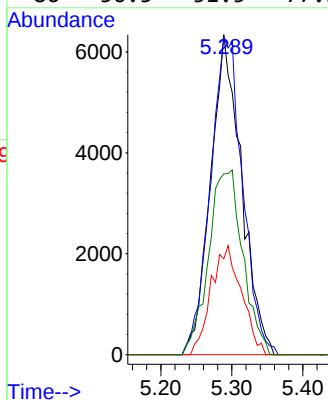
#20
Methylene Chloride
Concen: 4.144 ug/l
RT: 5.289 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN076026.D
Acq: 29 Dec 2022 02:31

Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#07



Tgt Ion: 84 Resp: 19137

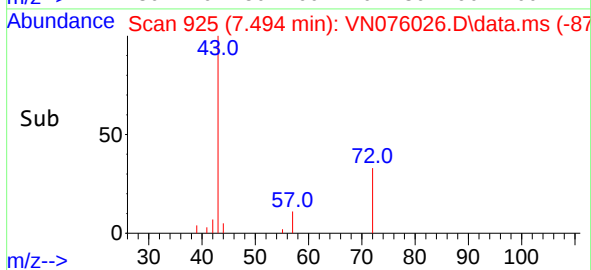
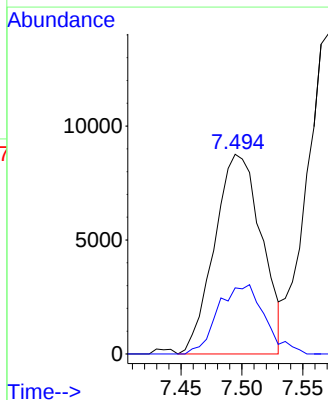
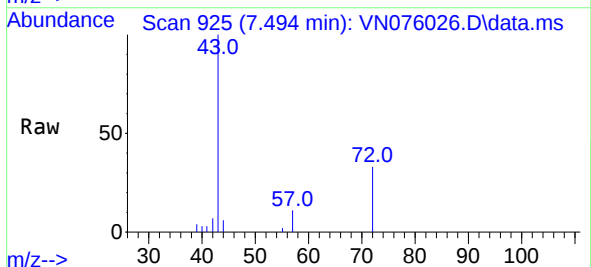
Ion	Ratio	Lower	Upper
84	100		
49	99.1	81.8	122.6
51	30.0	26.7	40.1
86	56.5	51.5	77.3

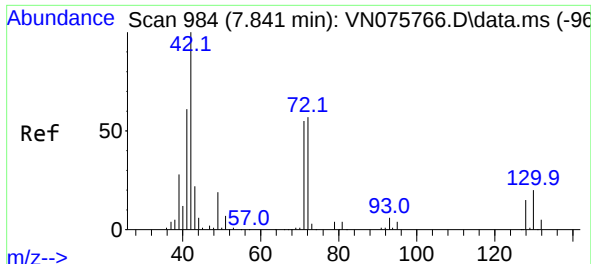


#25
2-Butanone
Concen: 11.131 ug/l
RT: 7.494 min Scan# 925
Delta R.T. 0.006 min
Lab File: VN076026.D
Acq: 29 Dec 2022 02:31

Tgt Ion: 43 Resp: 23564

Ion	Ratio	Lower	Upper
43	100		
72	33.1	28.0	42.0





#29

Tetrahydrofuran

Concen: 1.796 ug/l

RT: 7.859 min Scan# 91

Delta R.T. 0.018 min

Lab File: VN076026.D

Acq: 29 Dec 2022 02:31

Instrument :

MSVOA_N

ClientSampleId :

PB149923ZHE#07

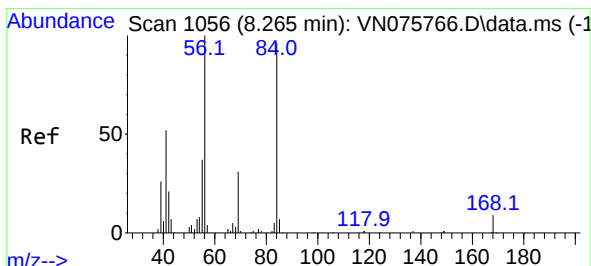
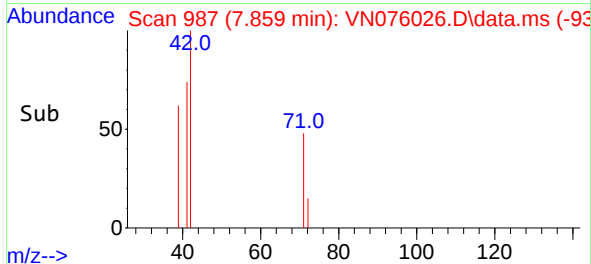
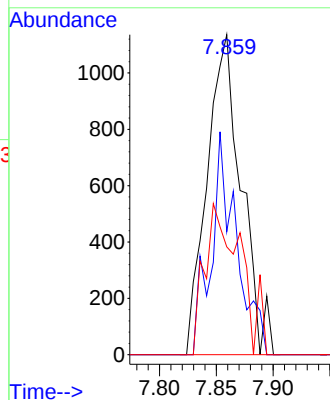
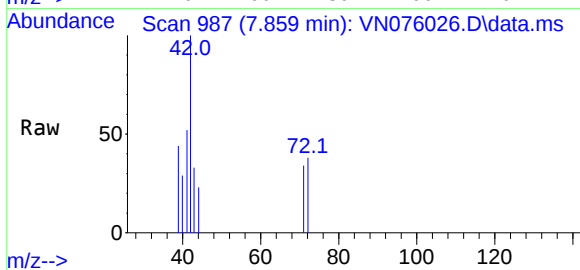
Tgt Ion: 42 Resp: 2382

Ion Ratio Lower Upper

42 100

72 51.7 44.5 66.7

71 49.7 41.0 61.6



#31

Cyclohexane

Concen: 1.174 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.035 min

Lab File: VN076026.D

Acq: 29 Dec 2022 02:31

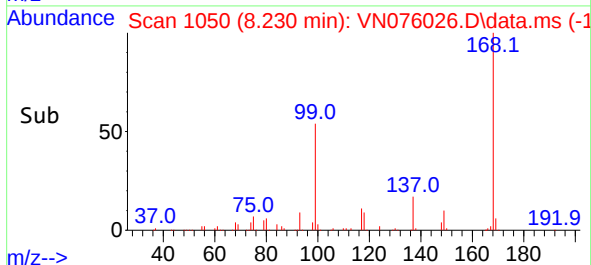
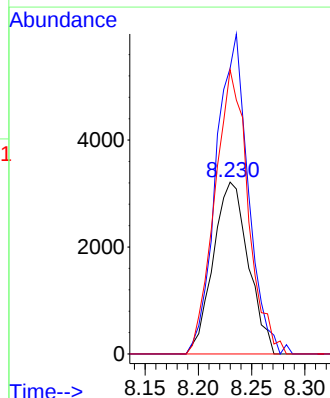
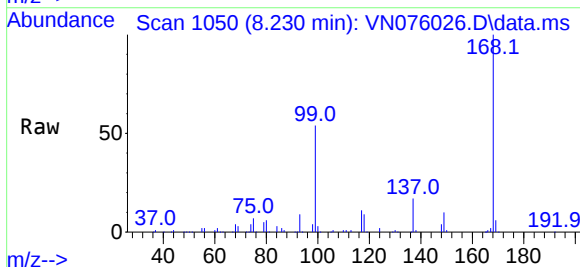
Tgt Ion: 56 Resp: 7374

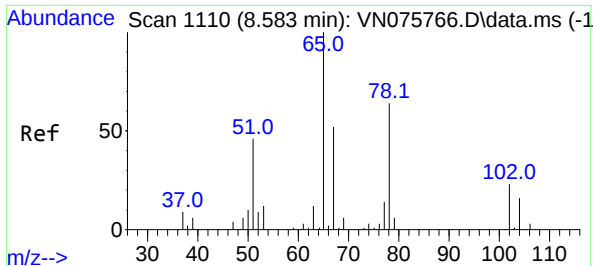
Ion Ratio Lower Upper

56 100

69 166.3 24.7 37.1#

84 165.4 76.5 114.7#

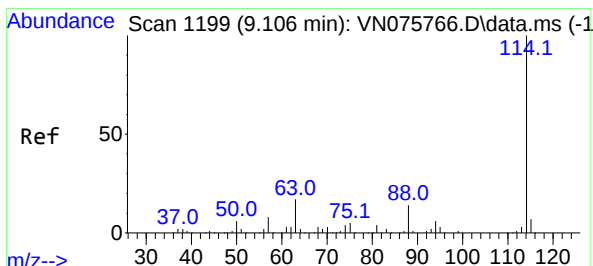
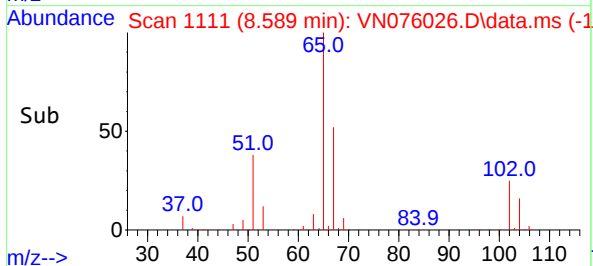
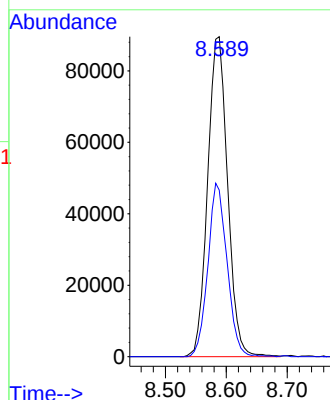
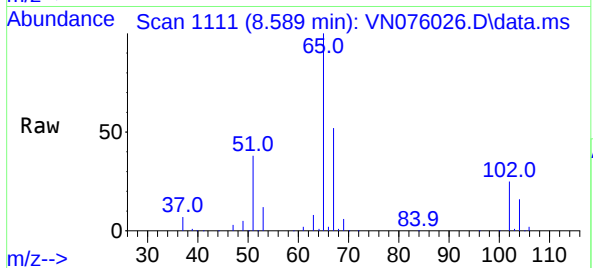




#33
1,2-Dichloroethane-d4
Concen: 46.445 ug/l
RT: 8.589 min Scan# 1110
Delta R.T. 0.006 min
Lab File: VN076026.D
Acq: 29 Dec 2022 02:31

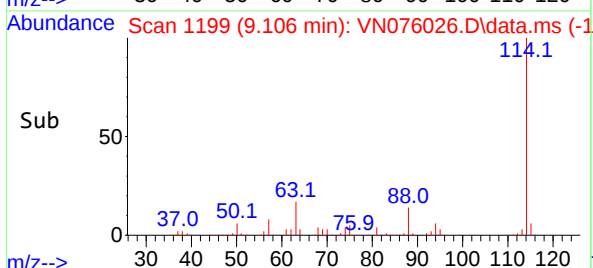
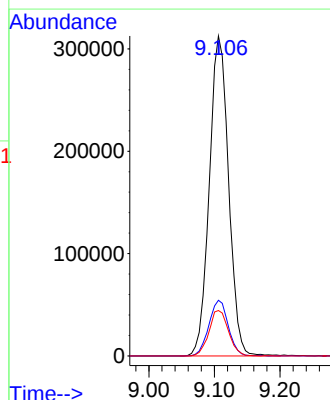
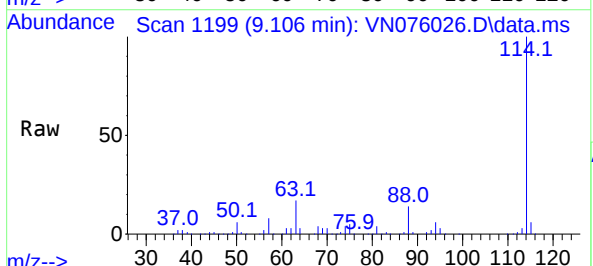
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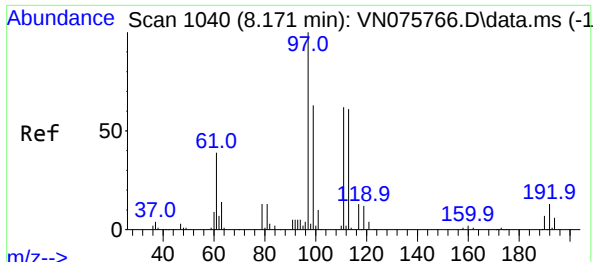
Tgt Ion: 65 Resp: 203702
Ion Ratio Lower Upper
65 100
67 52.1 0.0 103.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN076026.D
Acq: 29 Dec 2022 02:31

Tgt Ion: 114 Resp: 638250
Ion Ratio Lower Upper
114 100
63 17.4 0.0 34.4
88 14.2 0.0 28.8

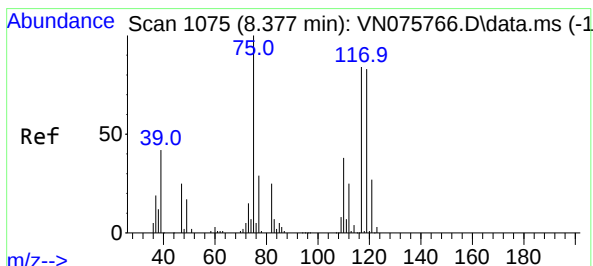
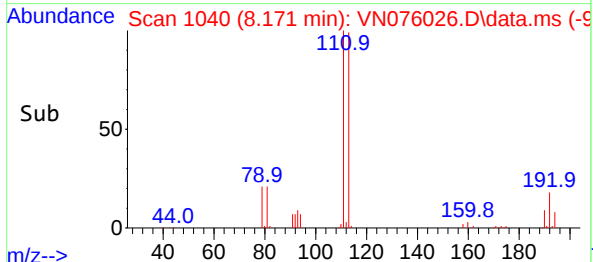
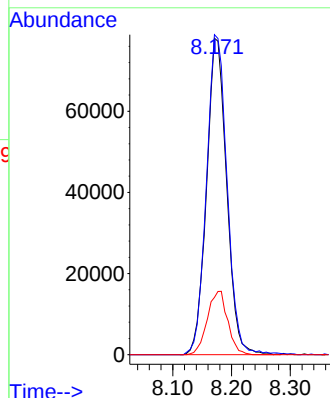
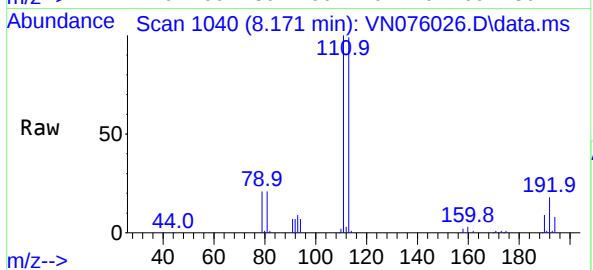




#35
Dibromofluoromethane
Concen: 46.903 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VN076026.D
Acq: 29 Dec 2022 02:31

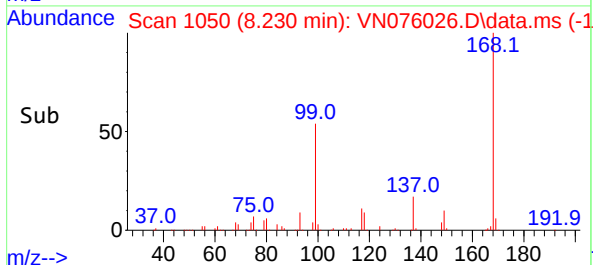
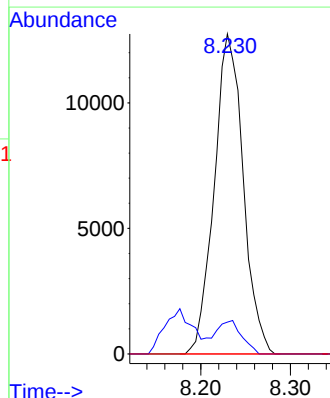
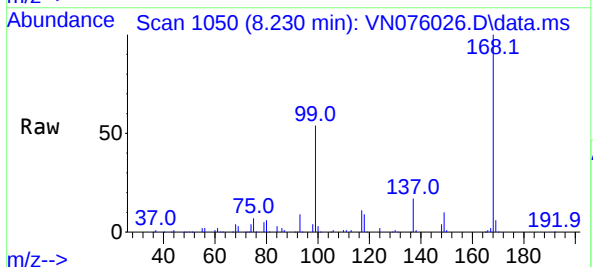
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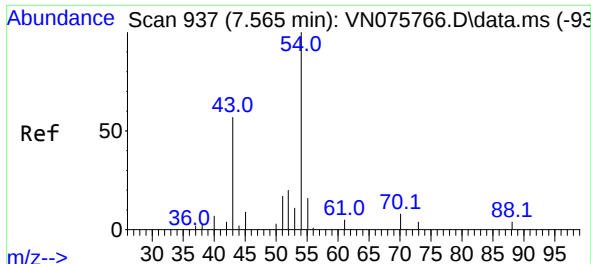
Tgt Ion:113 Resp: 185387
Ion Ratio Lower Upper
113 100
111 103.9 83.4 125.2
192 20.3 16.1 24.1



#36
1,1-Dichloropropene
Concen: 5.436 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN076026.D
Acq: 29 Dec 2022 02:31

Tgt Ion: 75 Resp: 28542
Ion Ratio Lower Upper
75 100
110 8.6 18.8 56.4#
77 0.0 24.1 36.1#

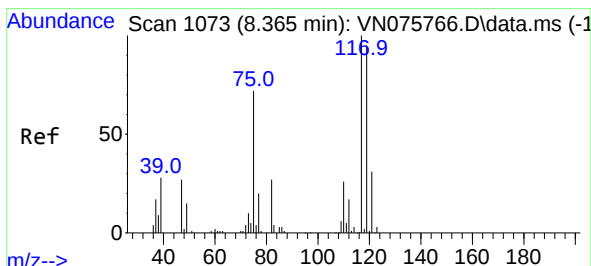
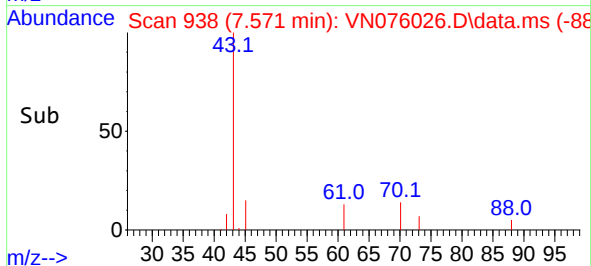
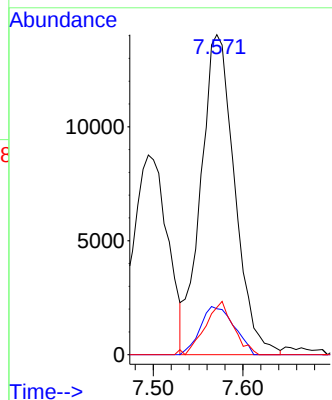
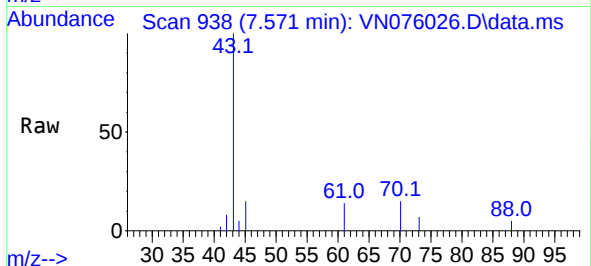




#37
Ethyl Acetate
Concen: 8.734 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN076026.D
Acq: 29 Dec 2022 02:31

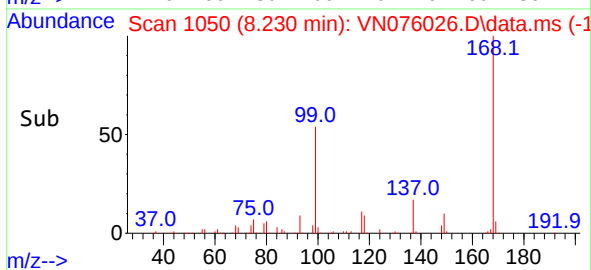
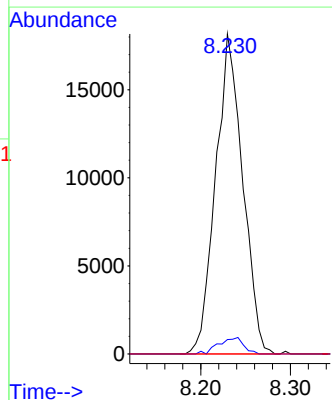
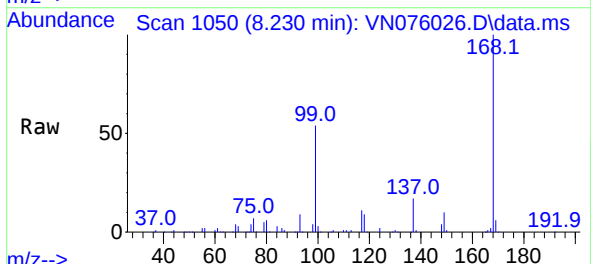
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#07

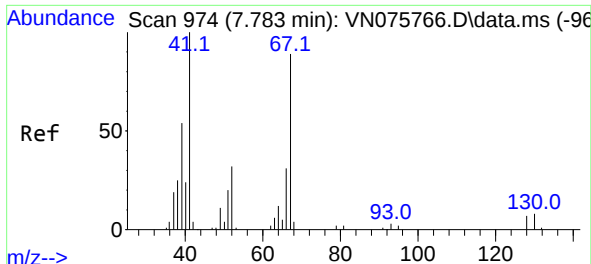
Tgt Ion: 43 Resp: 36834
Ion Ratio Lower Upper
43 100
61 15.0 13.0 19.4
70 13.8 9.4 14.0



#38
Carbon Tetrachloride
Concen: 6.473 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN076026.D
Acq: 29 Dec 2022 02:31

Tgt Ion: 117 Resp: 38040
Ion Ratio Lower Upper
117 100
119 4.5 76.1 114.1#
121 0.0 24.5 36.7#

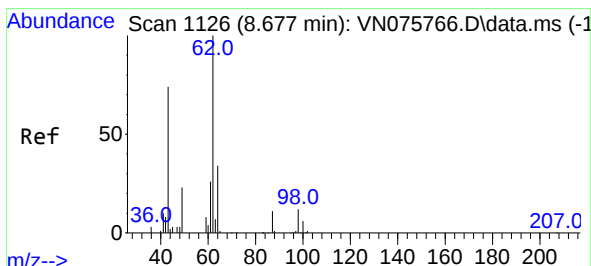
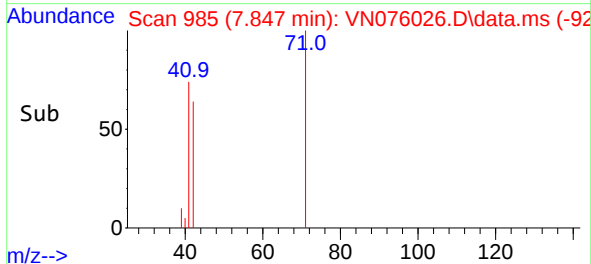
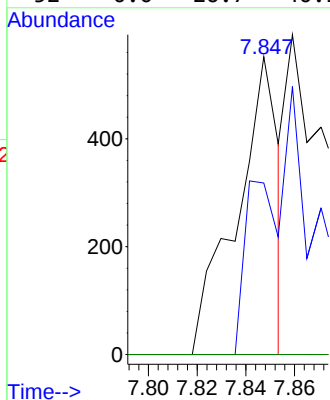
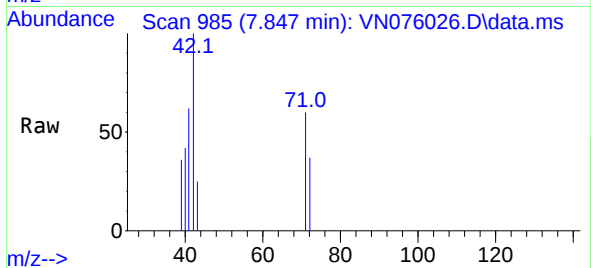




#41
Methacrylonitrile
Concen: 0.303 ug/l
RT: 7.847 min Scan# 91
Delta R.T. 0.065 min
Lab File: VN076026.D
Acq: 29 Dec 2022 02:31

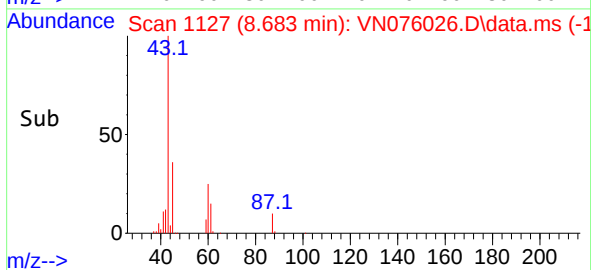
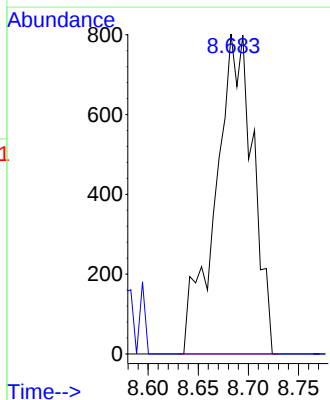
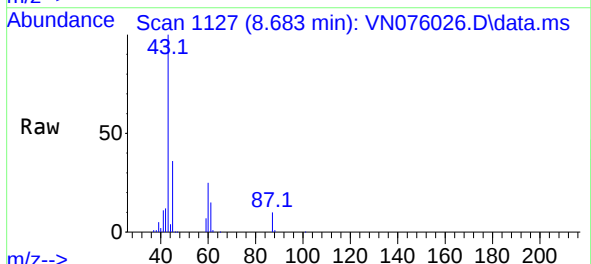
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#07

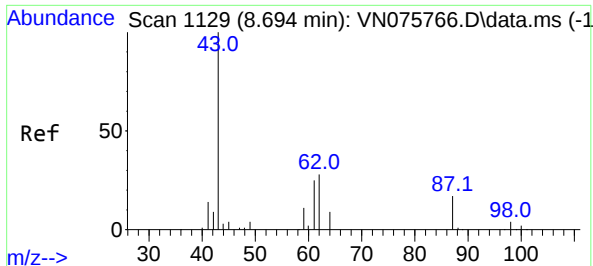
Tgt Ion:	41	Resp:	664
Ion	Ratio	Lower	Upper
41	100		
39	45.6	43.1	64.7
67	0.0	70.7	106.1#
52	0.0	26.7	40.1#



#42
1,2-Dichloroethane
Concen: 0.388 ug/l
RT: 8.683 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN076026.D
Acq: 29 Dec 2022 02:31

Tgt Ion:	62	Resp:	2092
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	20.8

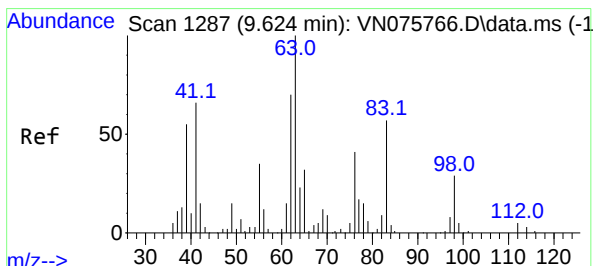
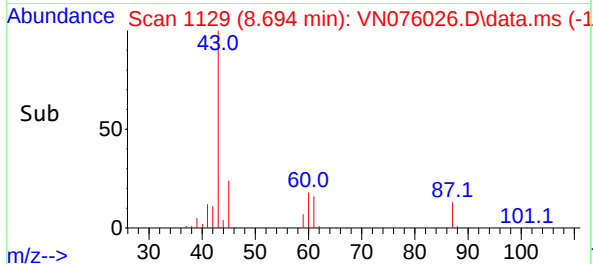
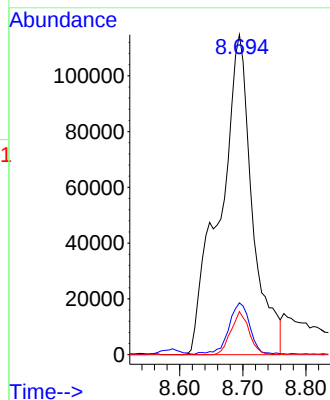
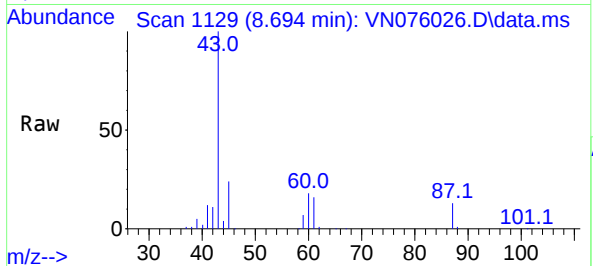




#43
Isopropyl Acetate
Concen: 58.763 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN076026.D
Acq: 29 Dec 2022 02:31

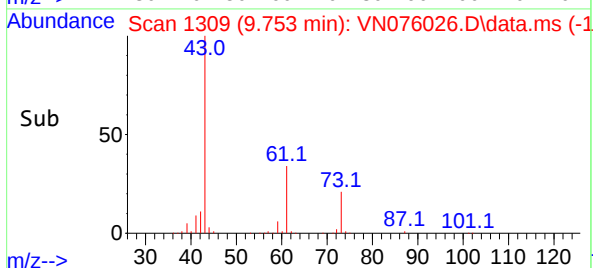
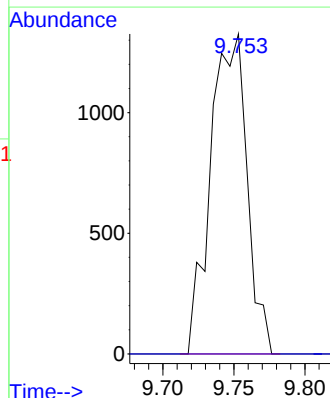
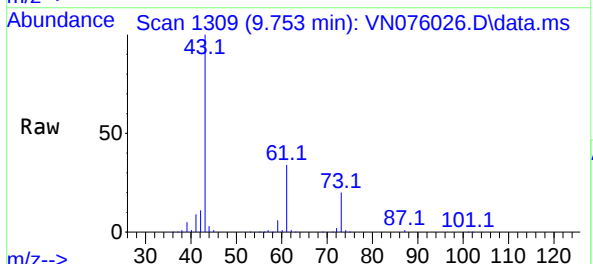
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#07

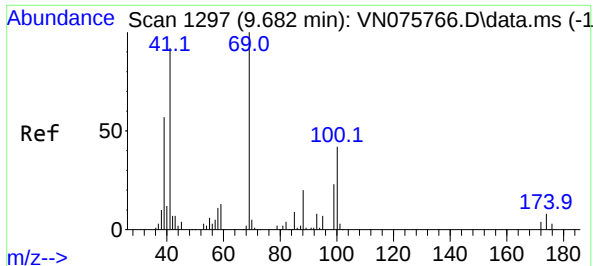
Tgt Ion: 43 Resp: 408825
Ion Ratio Lower Upper
43 100
61 10.6 24.2 36.4#
87 7.6 13.3 19.9#



#45
1,2-Dichloropropane
Concen: 0.601 ug/l
RT: 9.753 min Scan# 1309
Delta R.T. 0.129 min
Lab File: VN076026.D
Acq: 29 Dec 2022 02:31

Tgt Ion: 63 Resp: 2370
Ion Ratio Lower Upper
63 100
65 0.0 25.7 38.5#





#48

Methyl methacrylate

Concen: 1.464 ug/l

RT: 9.665 min Scan# 11

Delta R.T. -0.018 min

Lab File: VN076026.D

Acq: 29 Dec 2022 02:31

Instrument :

MSVOA_N

ClientSampleId :

PB149923ZHE#07

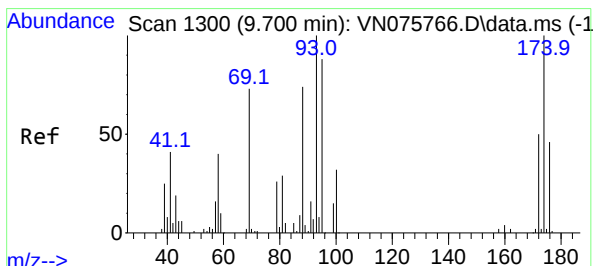
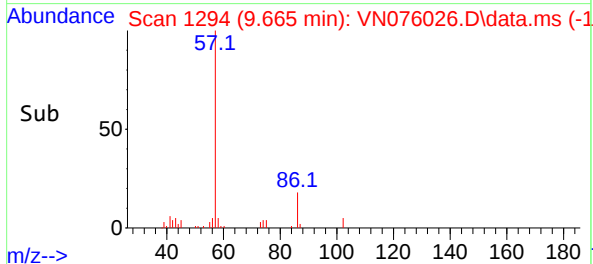
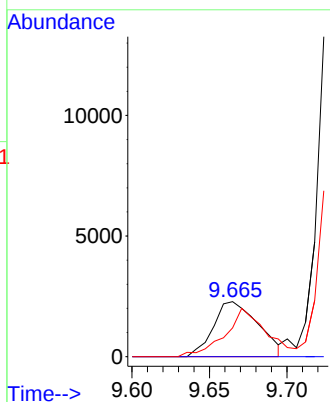
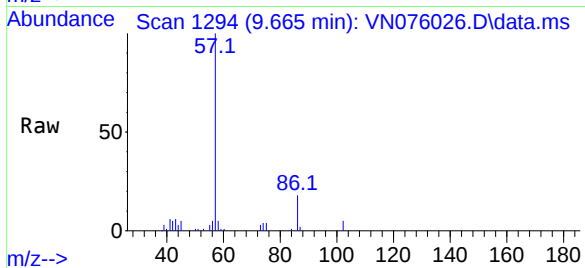
Tgt Ion: 41 Resp: 4588

Ion Ratio Lower Upper

41 100

69 0.0 81.9 122.9#

39 81.1 51.6 77.4#



#49

1,4-Dioxane

Concen: 2.285 ug/l

RT: 9.741 min Scan# 1307

Delta R.T. 0.041 min

Lab File: VN076026.D

Acq: 29 Dec 2022 02:31

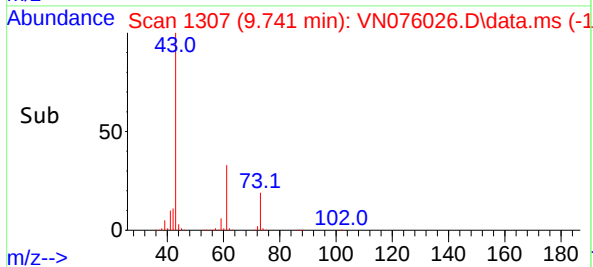
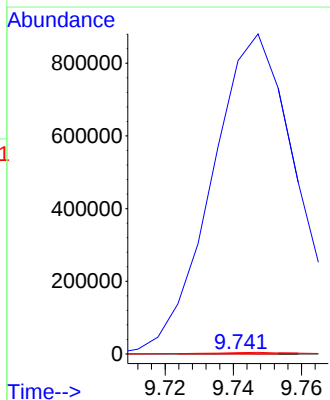
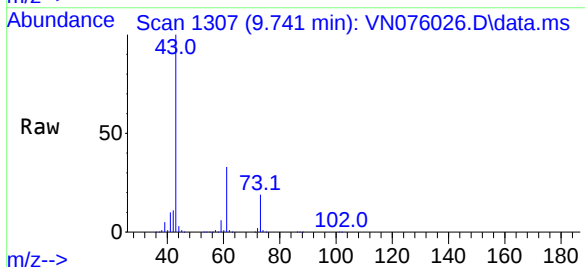
Tgt Ion: 88 Resp: 176

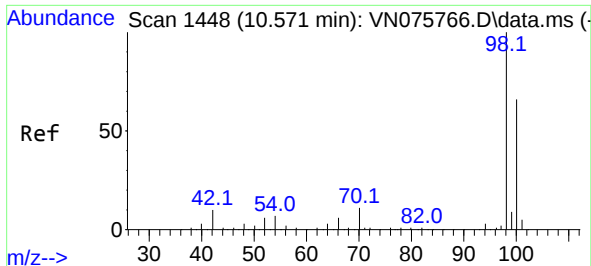
Ion Ratio Lower Upper

88 100

43 883481.8 17.1 25.7#

58 3997.2 47.8 71.8#

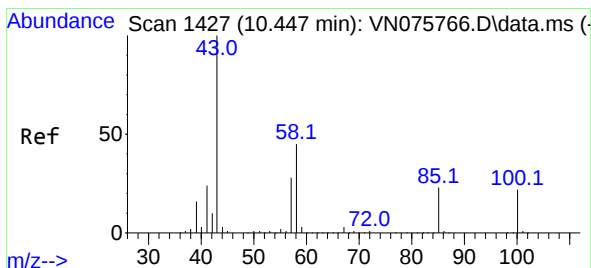
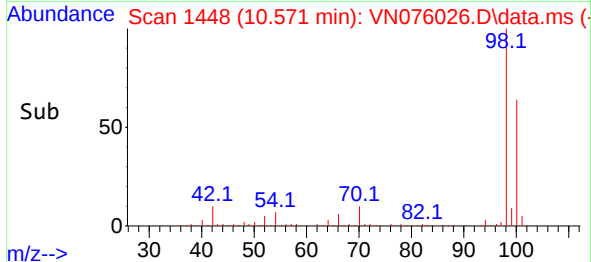
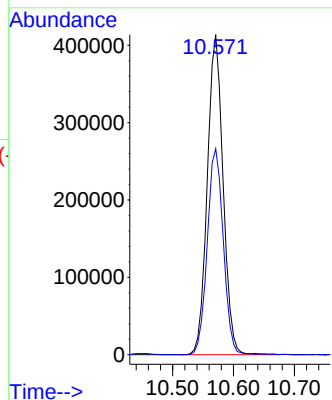
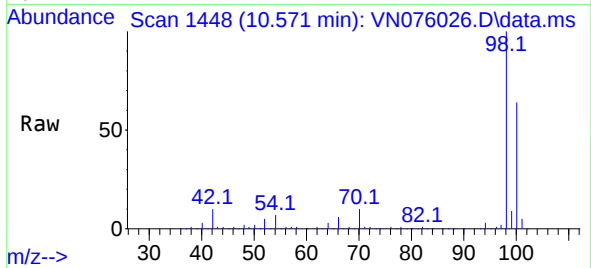




#50
Toluene-d8
Concen: 50.391 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN076026.D
Acq: 29 Dec 2022 02:31

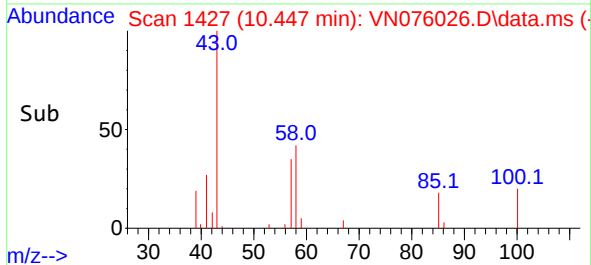
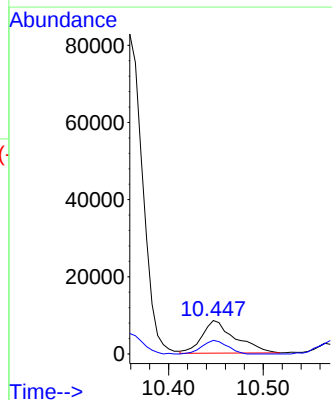
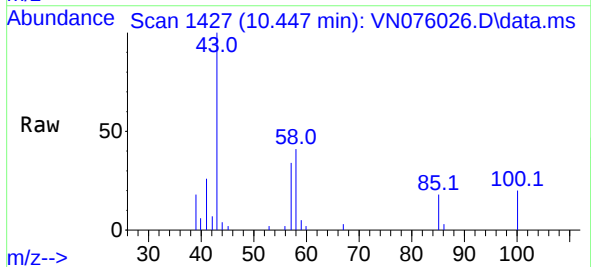
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#07

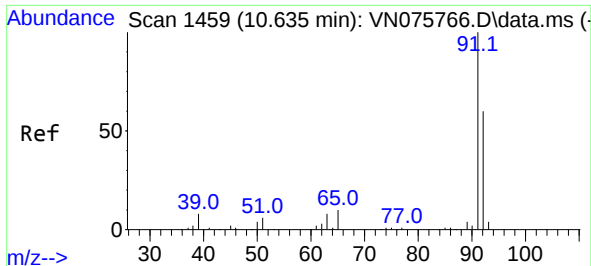
Tgt Ion: 98 Resp: 744693
Ion Ratio Lower Upper
98 100
100 65.3 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 4.857 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN076026.D
Acq: 29 Dec 2022 02:31

Tgt Ion: 43 Resp: 20436
Ion Ratio Lower Upper
43 100
58 31.9 35.5 53.3#

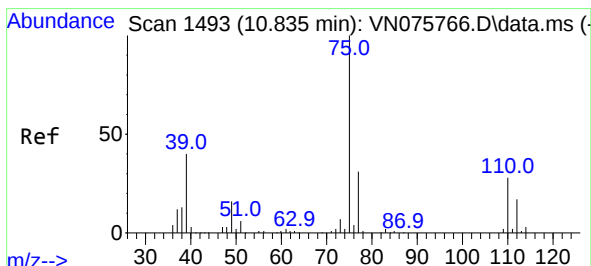
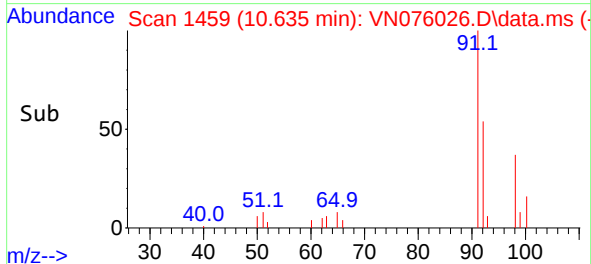
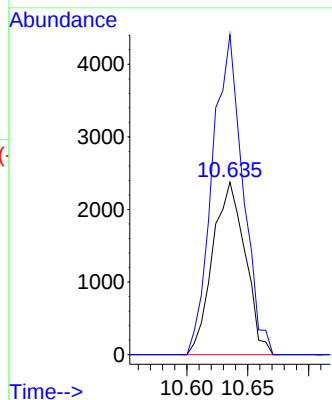
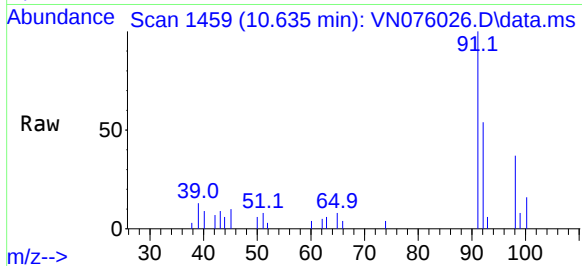




#52
Toluene
Concen: 0.419 ug/l
RT: 10.635 min Scan# 1459
Delta R.T. 0.000 min
Lab File: VN076026.D
Acq: 29 Dec 2022 02:31

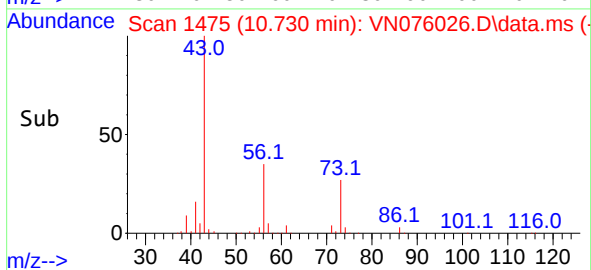
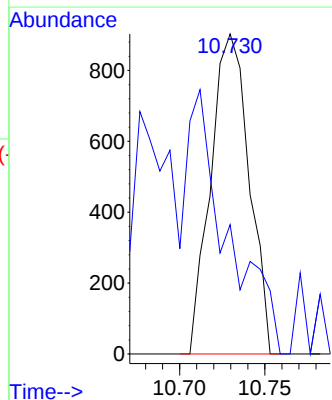
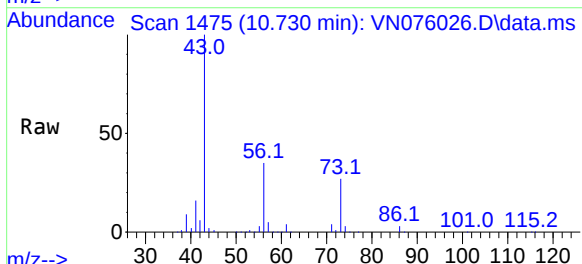
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#07

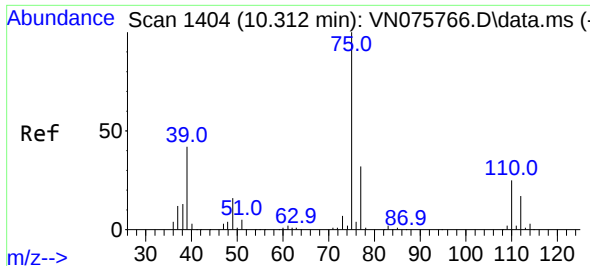
Tgt Ion: 92 Resp: 4419
Ion Ratio Lower Upper
92 100
91 174.6 137.3 205.9



#53
t-1,3-Dichloropropene
Concen: 0.252 ug/l
RT: 10.730 min Scan# 1475
Delta R.T. -0.106 min
Lab File: VN076026.D
Acq: 29 Dec 2022 02:31

Tgt Ion: 75 Resp: 1414
Ion Ratio Lower Upper
75 100
77 40.4 24.9 37.3#

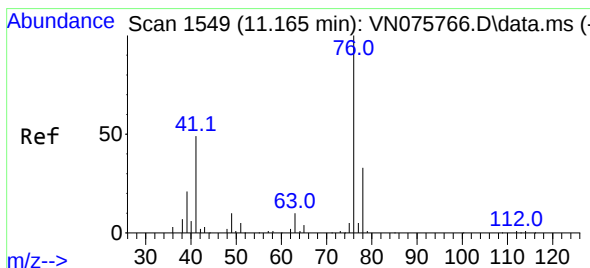
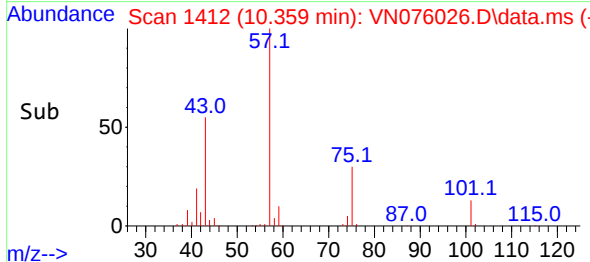
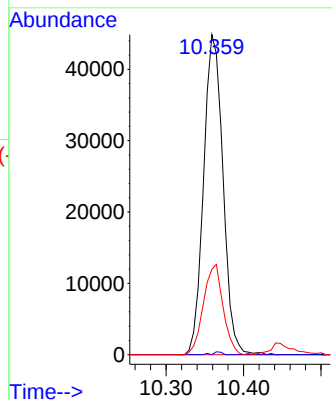
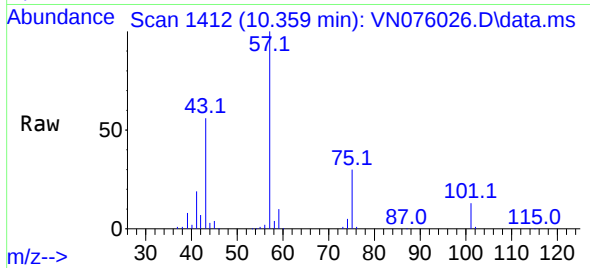




#54
 cis-1,3-Dichloropropene
 Concen: 12.655 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.047 min
 Lab File: VN076026.D
 Acq: 29 Dec 2022 02:31

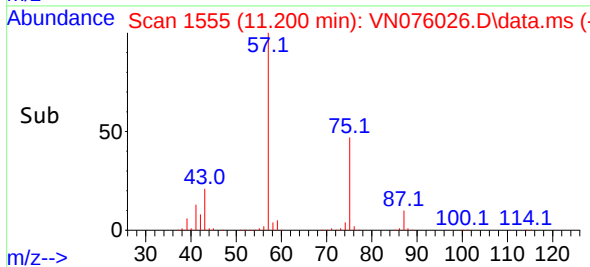
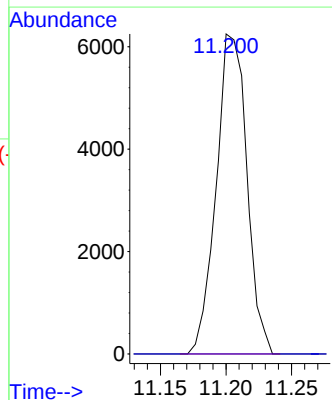
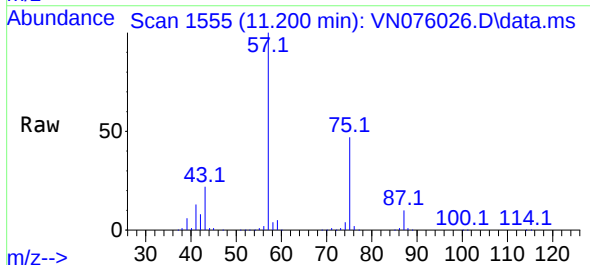
Instrument :
 MSVOA_N
 ClientSampleId :
 PB149923ZHE#07

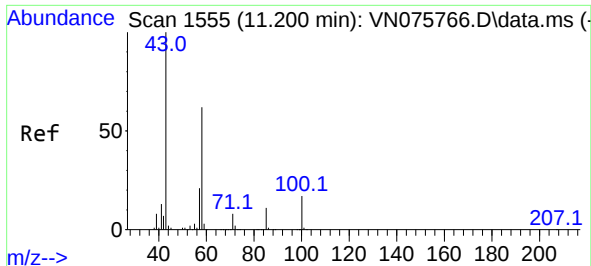
Tgt Ion: 75 Resp: 77986
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.8 38.8#
 39 26.7 33.4 50.2#



#57
 1,3-Dichloropropane
 Concen: 1.496 ug/l
 RT: 11.200 min Scan# 1555
 Delta R.T. 0.035 min
 Lab File: VN076026.D
 Acq: 29 Dec 2022 02:31

Tgt Ion: 76 Resp: 10161
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#

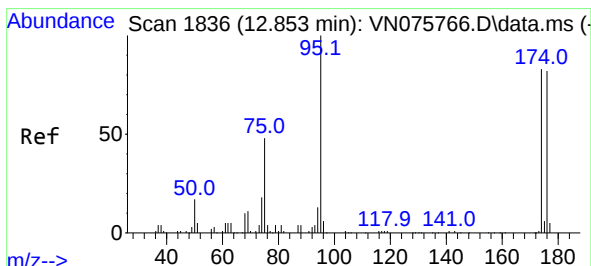
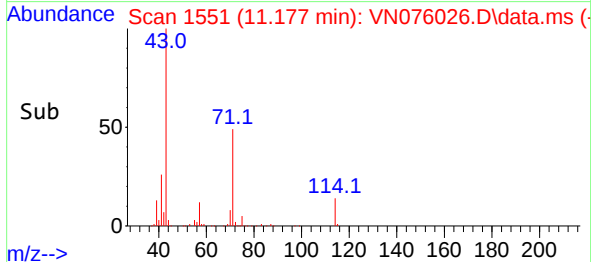
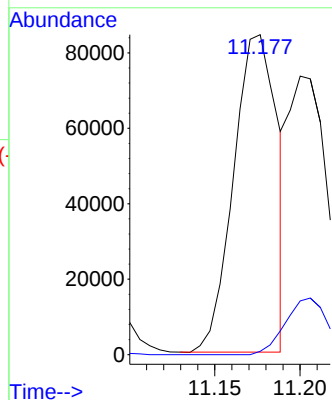
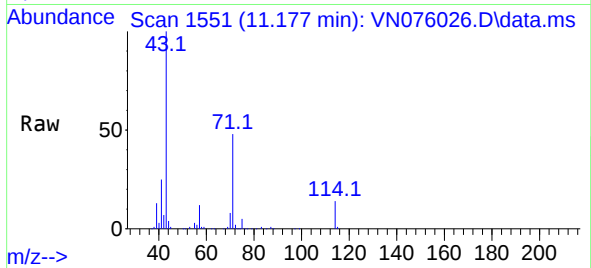




#59
2-Hexanone
Concen: 48.766 ug/l
RT: 11.177 min Scan# 1551
Delta R.T. -0.023 min
Lab File: VN076026.D
Acq: 29 Dec 2022 02:31

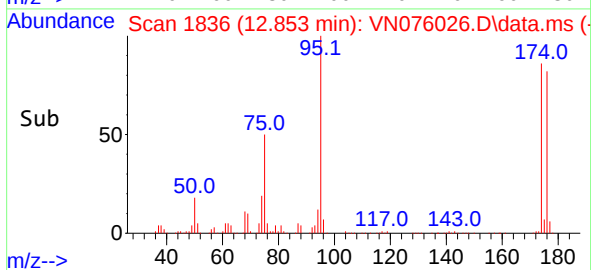
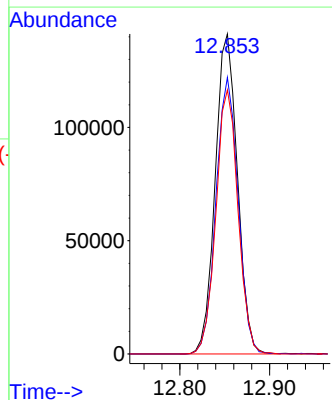
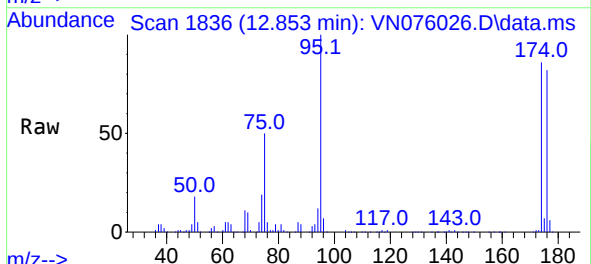
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MSVOA_N
ClientSampleId :
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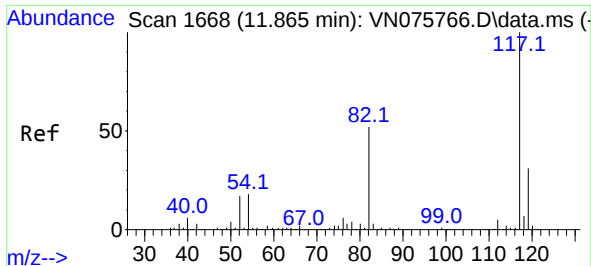
Tgt Ion: 43 Resp: 149629
Ion Ratio Lower Upper
43 100
58 0.0 30.6 92.0#



#62
4-Bromofluorobenzene
Concen: 49.585 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN076026.D
Acq: 29 Dec 2022 02:31

Tgt Ion: 95 Resp: 242706
Ion Ratio Lower Upper
95 100
174 86.1 0.0 171.6
176 82.1 0.0 169.2

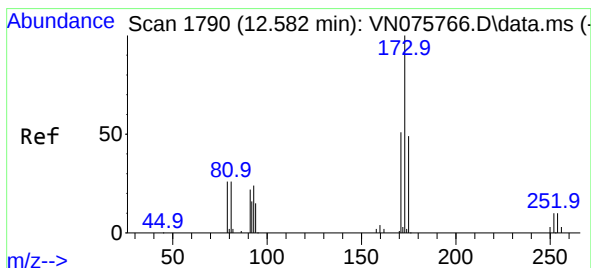
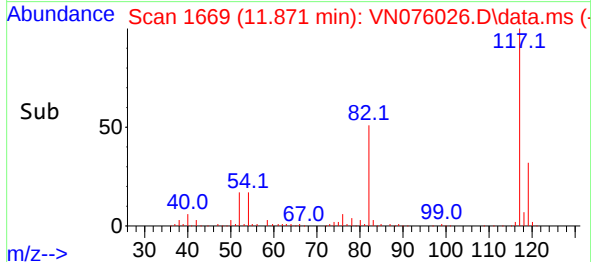
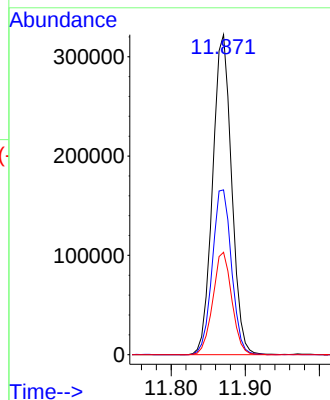
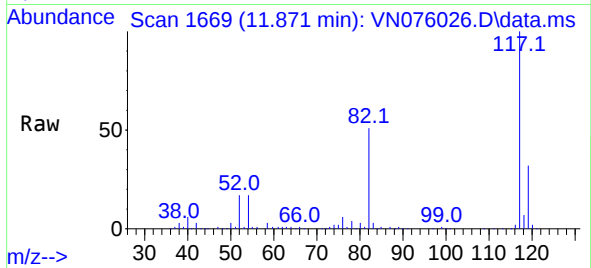




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN076026.D
Acq: 29 Dec 2022 02:31

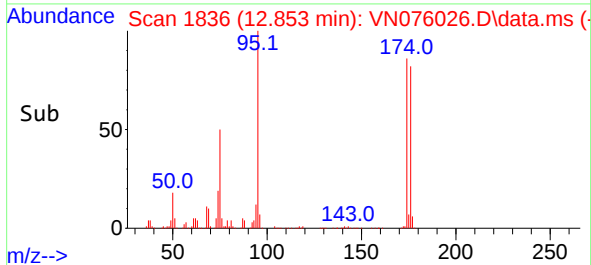
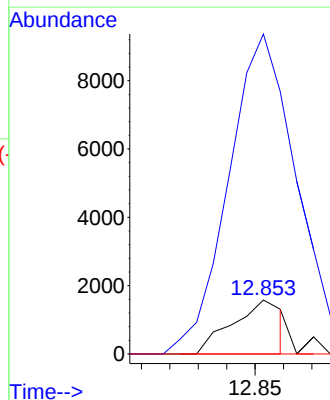
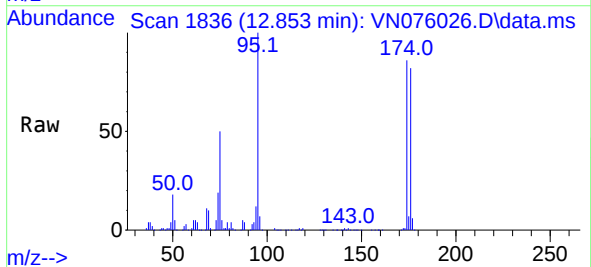
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#07

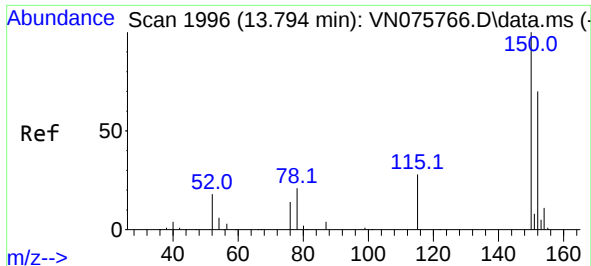
Tgt Ion:117 Resp: 573192
Ion Ratio Lower Upper
117 100
82 51.5 41.3 61.9
119 32.0 24.6 37.0



#71
Bromoform
Concen: 0.608 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN076026.D
Acq: 29 Dec 2022 02:31

Tgt Ion:173 Resp: 1929
Ion Ratio Lower Upper
173 100
175 634.0 24.3 72.8#
254 0.0 0.0 0.0

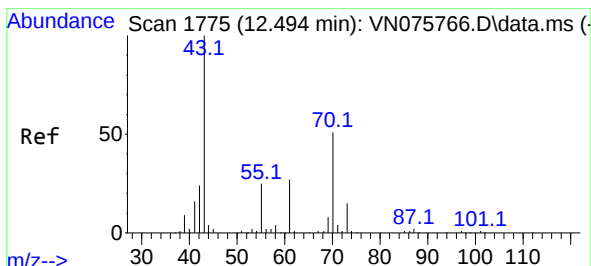
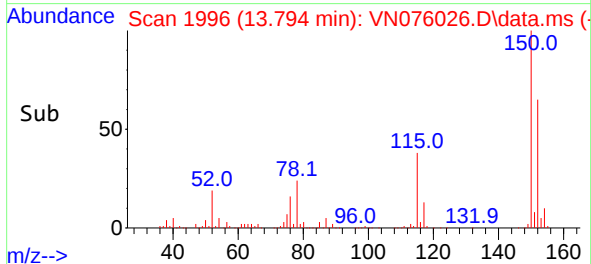
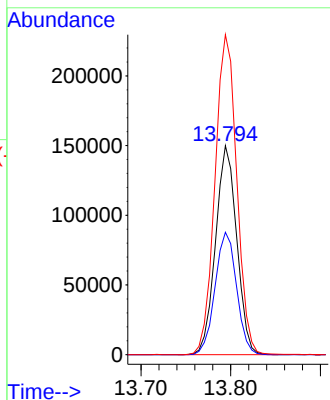
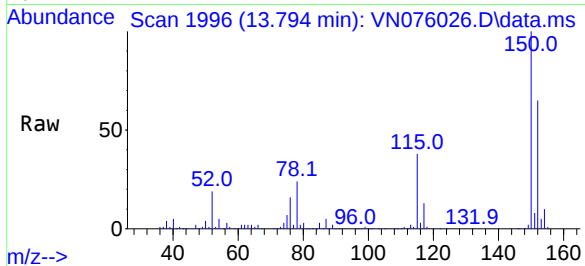




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN076026.D
Acq: 29 Dec 2022 02:31

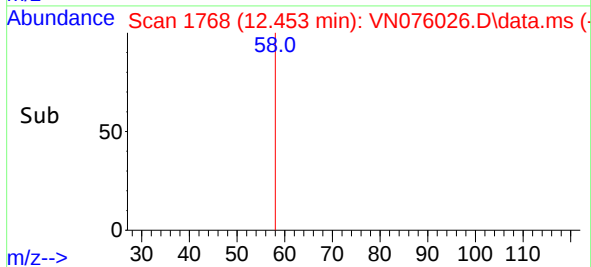
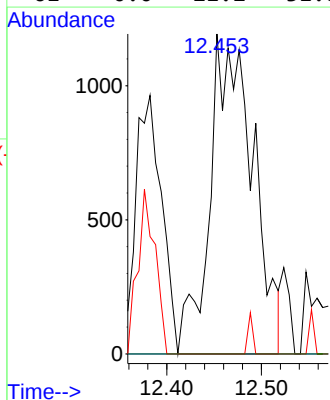
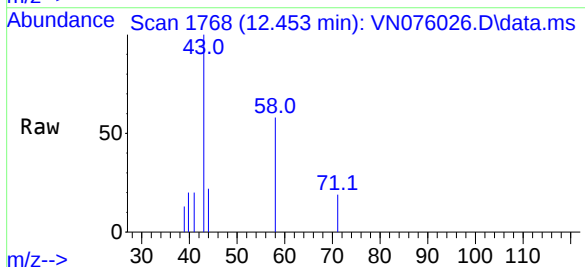
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#07

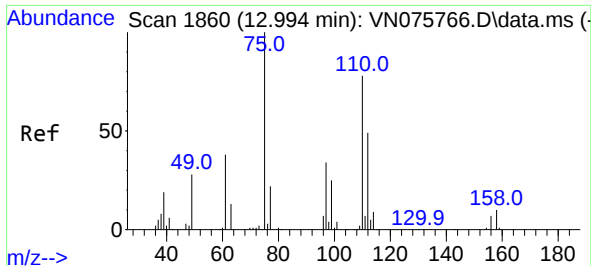
Tgt Ion:152 Resp: 245923
Ion Ratio Lower Upper
152 100
115 59.4 29.1 87.4
150 157.5 0.0 347.0



#74
N-ethyl acetate
Concen: 0.721 ug/l
RT: 12.453 min Scan# 1768
Delta R.T. -0.041 min
Lab File: VN076026.D
Acq: 29 Dec 2022 02:31

Tgt Ion: 43 Resp: 3759
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#

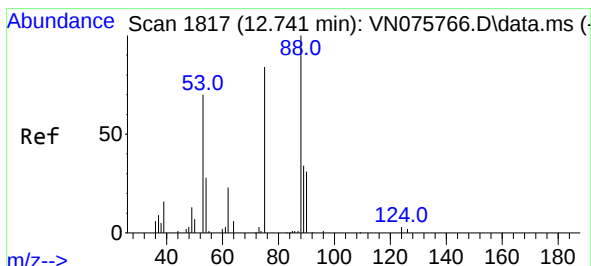
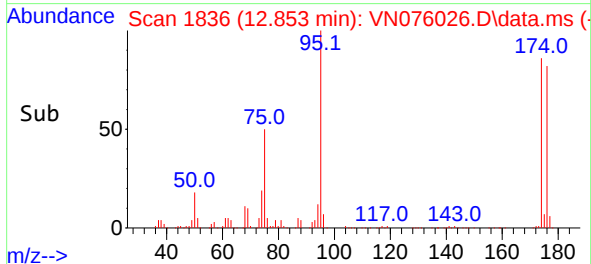
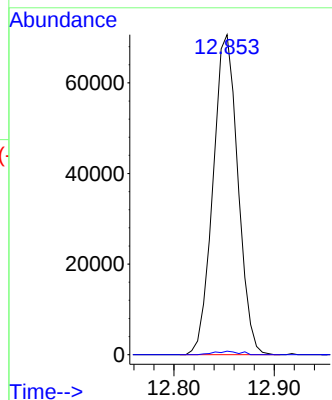
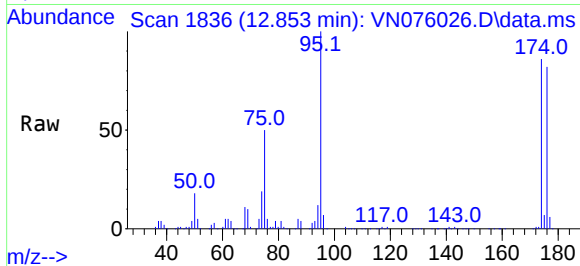




#76
1,2,3-Trichloropropane
Concen: 24.530 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076026.D
Acq: 29 Dec 2022 02:31

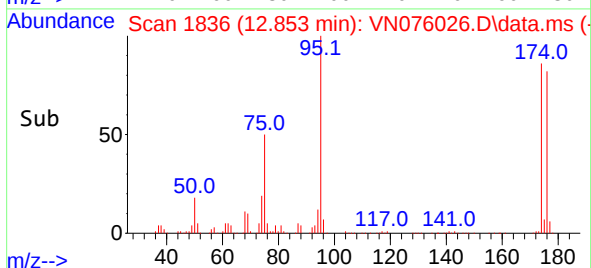
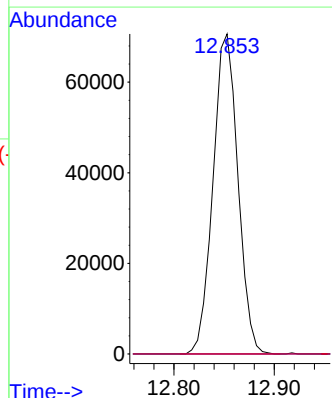
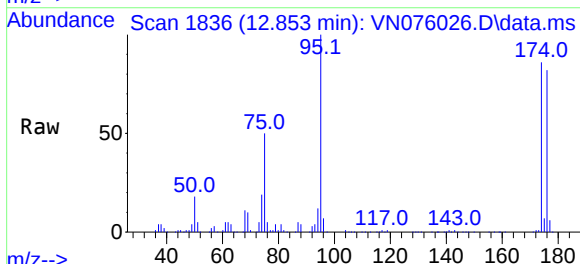
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#07

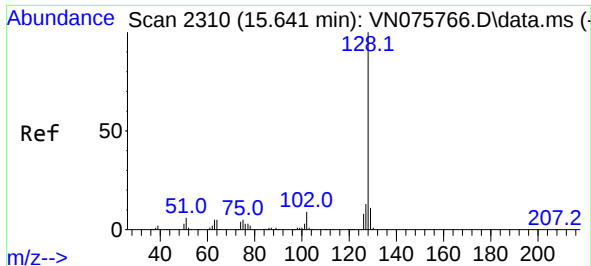
Tgt Ion: 75 Resp: 121598
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.294 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN076026.D
Acq: 29 Dec 2022 02:31

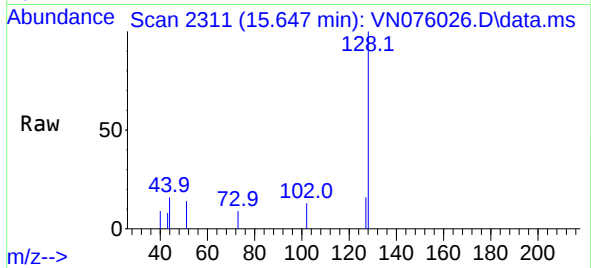
Tgt Ion: 75 Resp: 121598
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#





#95
Naphthalene
Concen: 2.431 ug/l
RT: 15.647 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN076026.D
Acq: 29 Dec 2022 02:31

Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#07



Tgt Ion:	128	Resp:	3552
Ion	Ratio	Lower	Upper
128	100		
127	9.2	10.4	15.6#
129	4.4	8.7	13.1#

