

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122822\
 Data File : VN076034.D
 Acq On : 29 Dec 2022 05:43
 Operator : JC\MD
 Sample : PB149923ZHE#15
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB149923ZHE#15

Quant Time: Dec 29 07:51:48 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)

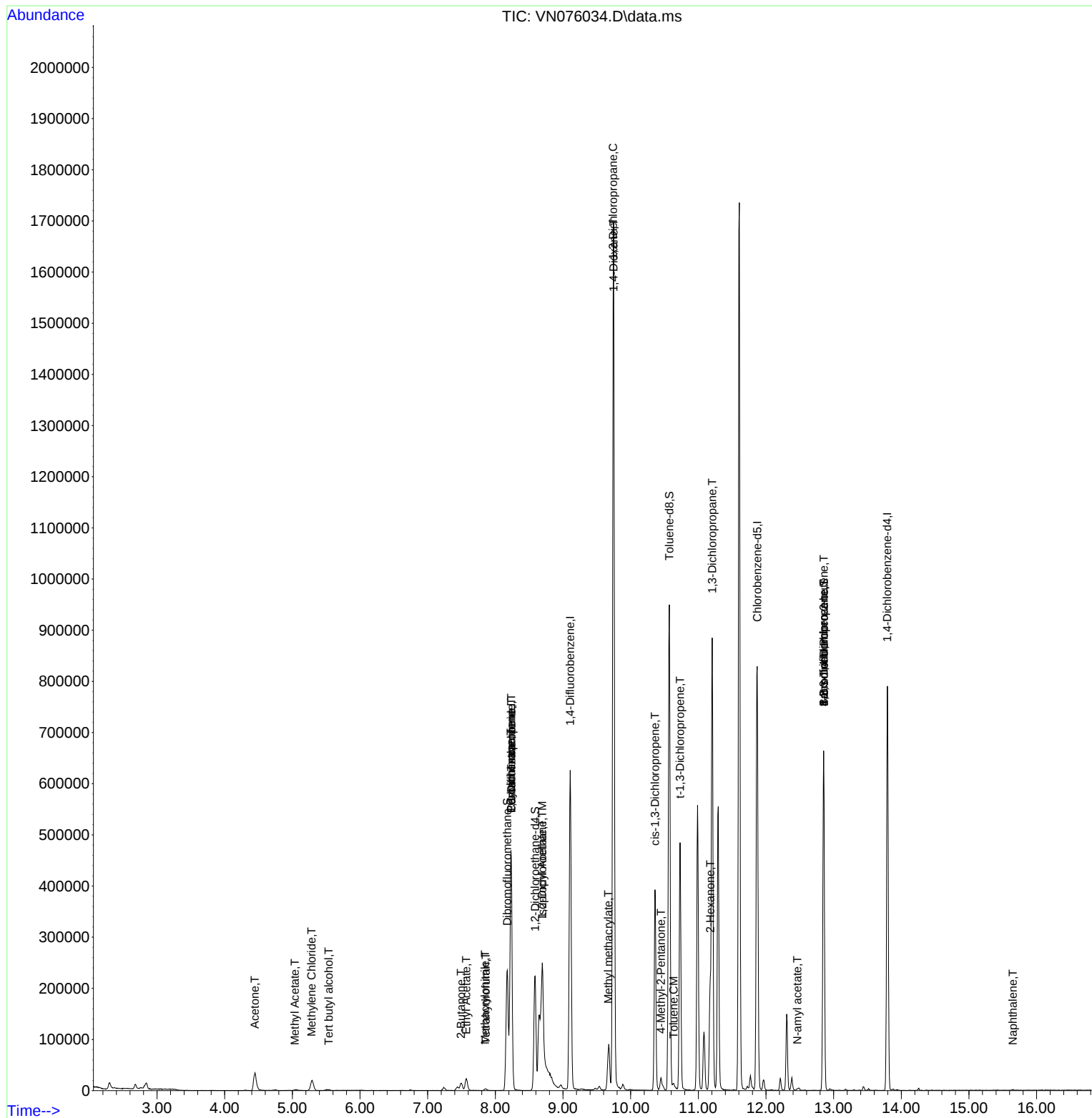
Internal Standards						
1) Pentafluorobenzene	8.235	168	365447	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	579141	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	530815	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	224183	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	181711	45.705	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.420%		
35) Dibromofluoromethane	8.177	113	171648	47.859	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.720%		
50) Toluene-d8	10.570	98	678789	50.619	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.240%		
62) 4-Bromofluorobenzene	12.853	95	218588	49.216	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.440%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.536	59	2760	4.906	ug/l #	72
16) Acetone	4.447	43	64928	47.375	ug/l	99
18) Methyl Acetate	5.036	43	1230	0.304	ug/l #	77
20) Methylene Chloride	5.283	84	17156	4.091	ug/l #	89
25) 2-Butanone	7.494	43	22719	11.839	ug/l	98
29) Tetrahydrofuran	7.859	42	2455	2.041	ug/l	93
31) Cyclohexane	8.229	56	6737	1.183	ug/l #	1
36) 1,1-Dichloropropene	8.235	75	25619	5.377	ug/l #	49
37) Ethyl Acetate	7.571	43	35765	9.346	ug/l	97
38) Carbon Tetrachloride	8.235	117	34599	6.488	ug/l #	16
41) Methacrylonitrile	7.847	41	1505	0.757	ug/l #	39
42) 1,2-Dichloroethane	8.694	62	1641	0.336	ug/l #	72
43) Isopropyl Acetate	8.694	43	478766	75.840	ug/l #	66
45) 1,2-Dichloropropane	9.741	63	2295	0.642	ug/l #	43
48) Methyl methacrylate	9.671	41	5829	2.050	ug/l #	35
49) 1,4-Dioxane	9.747	88	371	5.308	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	19599	5.134	ug/l #	80
52) Toluene	10.635	92	5417	0.566	ug/l	98
53) t-1,3-Dichloropropene	10.729	75	1402	0.275	ug/l #	44
54) cis-1,3-Dichloropropene	10.359	75	77096	13.787	ug/l #	65
57) 1,3-Dichloropropane	11.206	76	10440	1.694	ug/l #	42
59) 2-Hexanone	11.176	43	146980	52.792	ug/l #	20
71) Bromoform	12.853	173	1855	0.632	ug/l #	1
74) N-amyl acetate	12.464	43	2765	0.582	ug/l #	37
76) 1,2,3-Trichloropropane	12.853	75	112074	24.801	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	112074	89.270	ug/l #	12
95) Naphthalene	15.647	128	2467	2.371	ug/l #	72

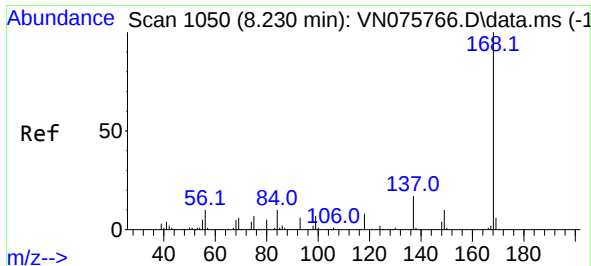
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122822\
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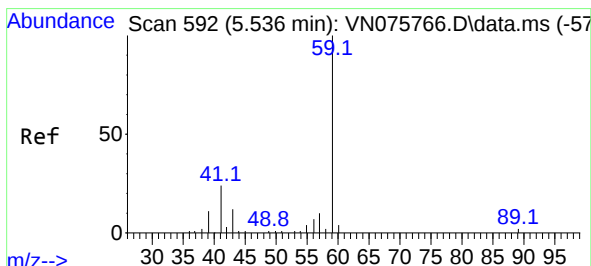
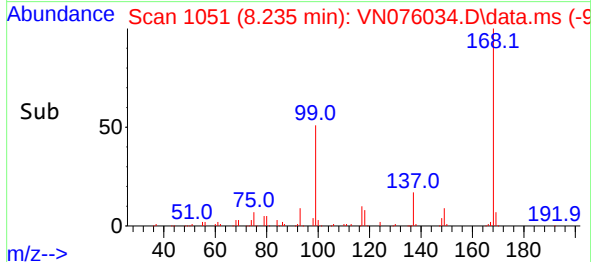
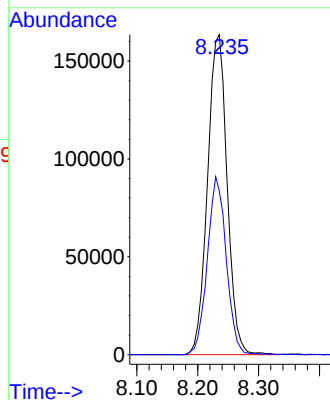
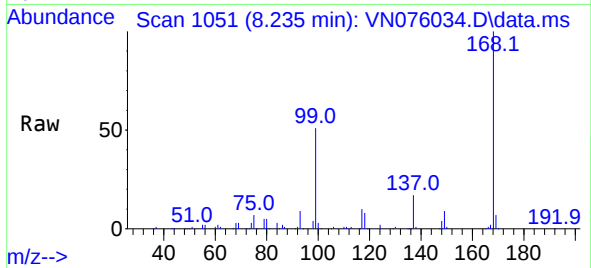




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1050
Delta R.T. 0.005 min
Lab File: VN076034.D
Acq: 29 Dec 2022 05:43

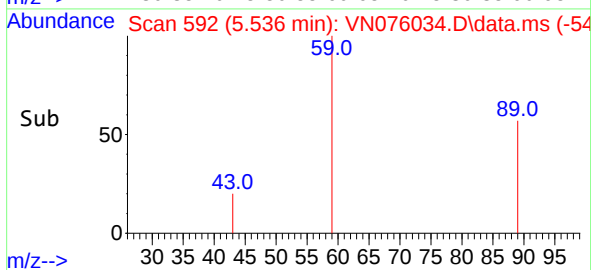
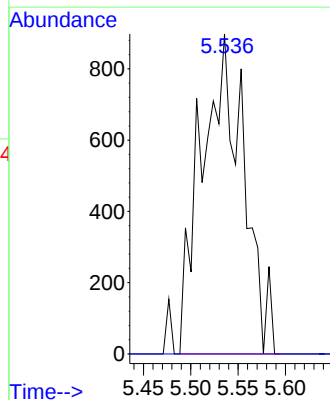
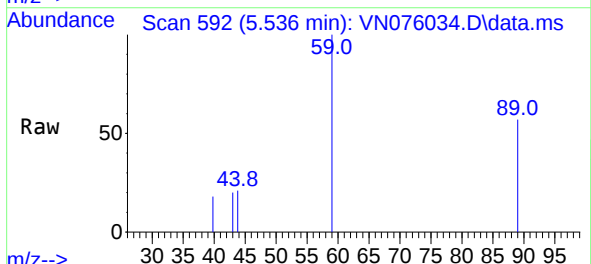
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#15

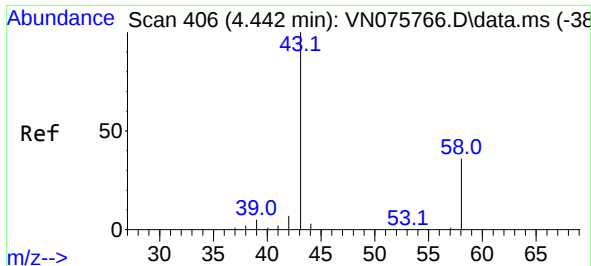
Tgt Ion:168 Resp: 365447
Ion Ratio Lower Upper
168 100
99 51.3 44.2 66.4



#11
Tert butyl alcohol
Concen: 4.906 ug/l
RT: 5.536 min Scan# 592
Delta R.T. -0.000 min
Lab File: VN076034.D
Acq: 29 Dec 2022 05:43

Tgt Ion: 59 Resp: 2760
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

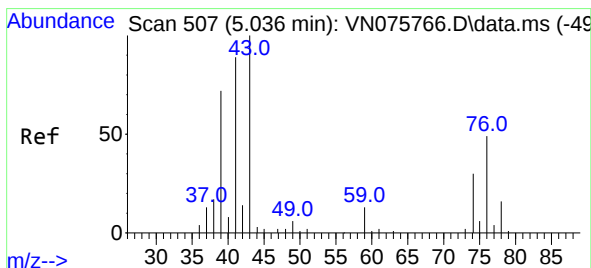
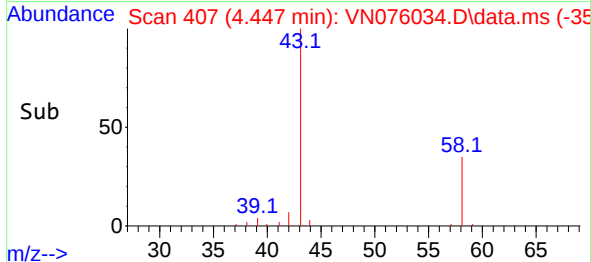
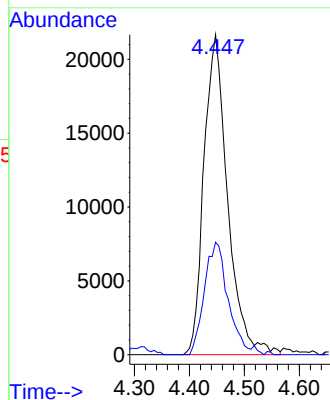
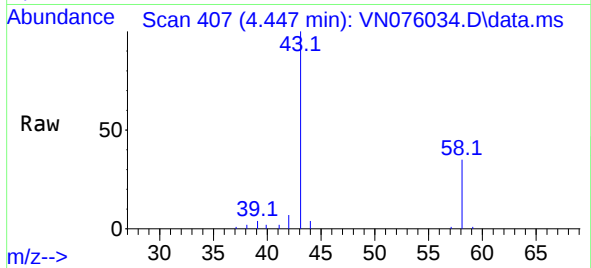




#16
Acetone
Concen: 47.375 ug/l
RT: 4.447 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN076034.D
Acq: 29 Dec 2022 05:43

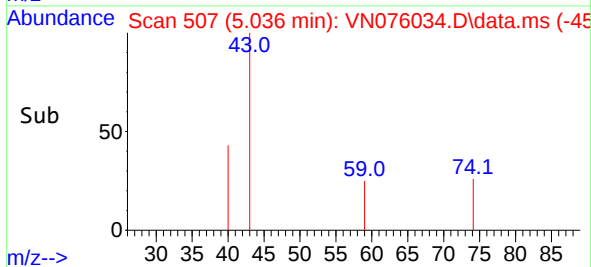
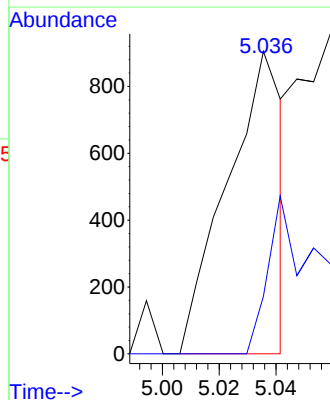
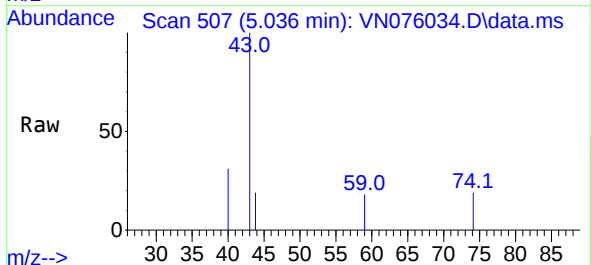
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#15

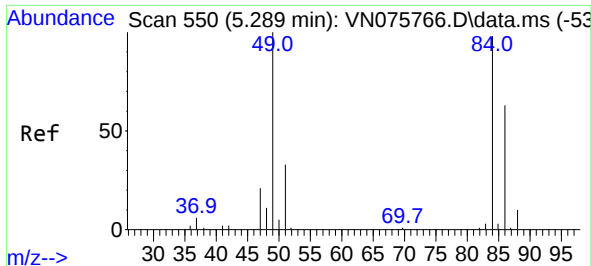
Tgt Ion: 43 Resp: 64928
Ion Ratio Lower Upper
43 100
58 35.2 28.6 43.0



#18
Methyl Acetate
Concen: 0.304 ug/l
RT: 5.036 min Scan# 507
Delta R.T. -0.000 min
Lab File: VN076034.D
Acq: 29 Dec 2022 05:43

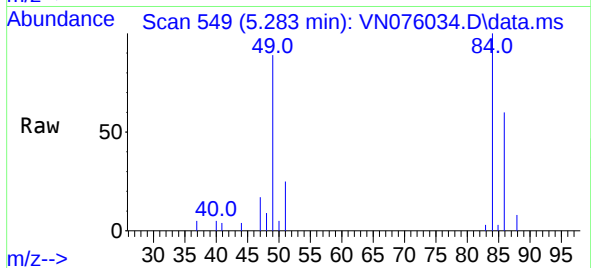
Tgt Ion: 43 Resp: 1230
Ion Ratio Lower Upper
43 100
74 42.0 23.6 35.4#



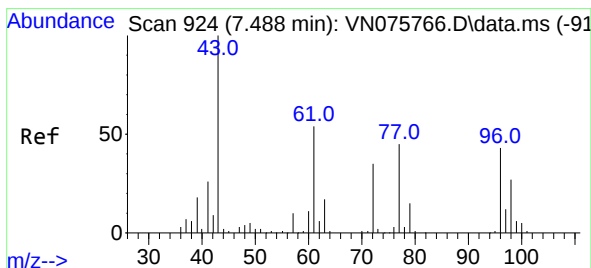
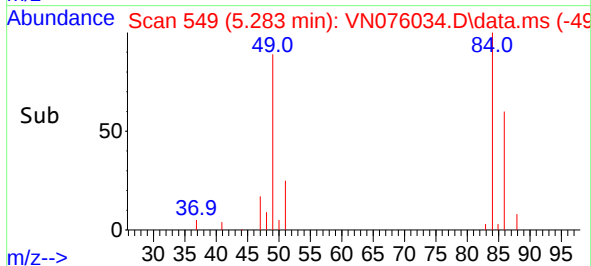
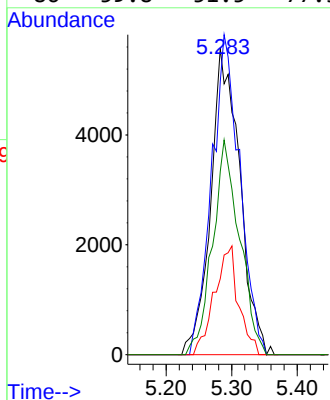


#20
Methylene Chloride
Concen: 4.091 ug/l
RT: 5.283 min Scan# 54
Delta R.T. -0.006 min
Lab File: VN076034.D
Acq: 29 Dec 2022 05:43

Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#15

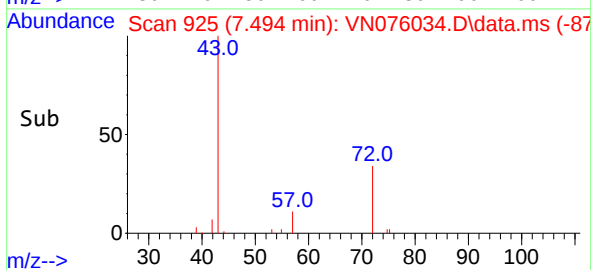
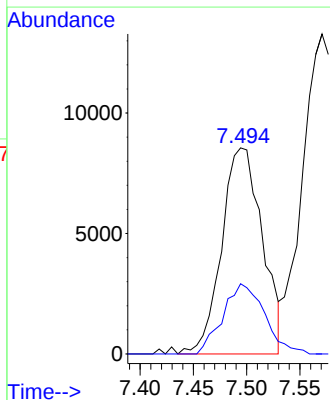
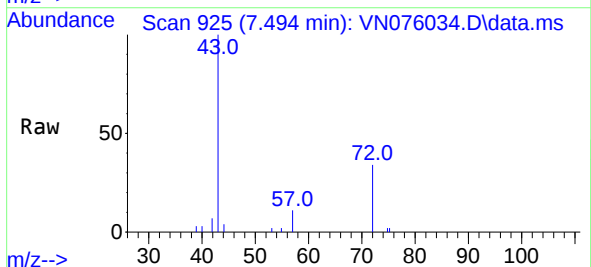


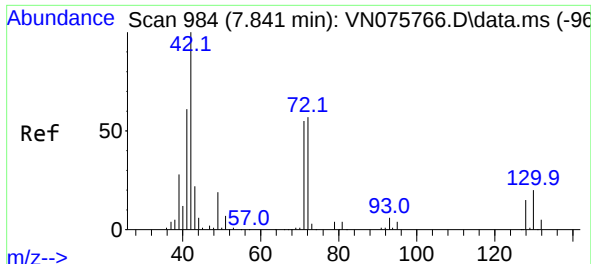
Tgt Ion:	84	Resp:	17156
Ion	Ratio	Lower	Upper
84	100		
49	89.2	81.8	122.6
51	24.8	26.7	40.1#
86	59.8	51.5	77.3



#25
2-Butanone
Concen: 11.839 ug/l
RT: 7.494 min Scan# 925
Delta R.T. 0.006 min
Lab File: VN076034.D
Acq: 29 Dec 2022 05:43

Tgt Ion:	43	Resp:	22719
Ion	Ratio	Lower	Upper
43	100		
72	34.0	28.0	42.0

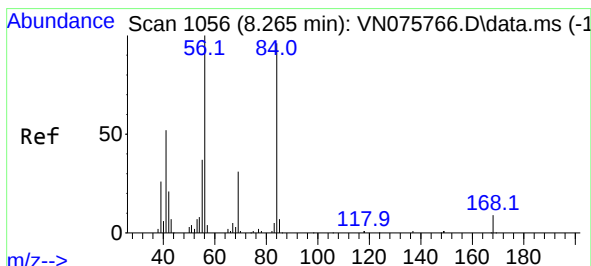
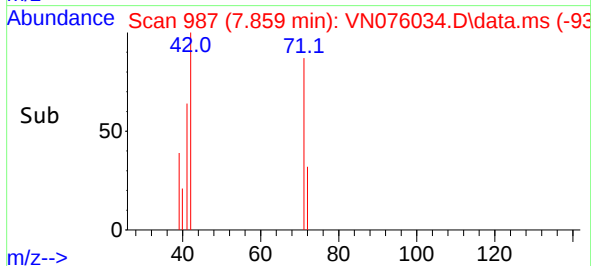
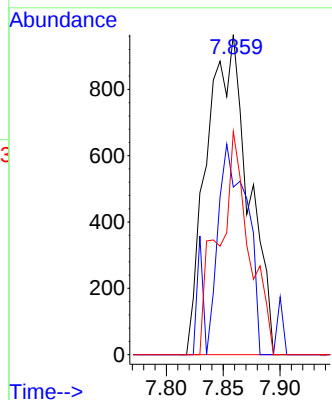
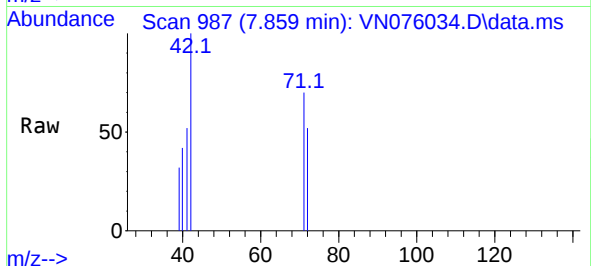




#29
Tetrahydrofuran
Concen: 2.041 ug/l
RT: 7.859 min Scan# 91
Delta R.T. 0.018 min
Lab File: VN076034.D
Acq: 29 Dec 2022 05:43

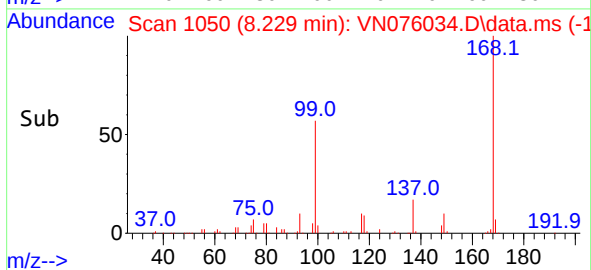
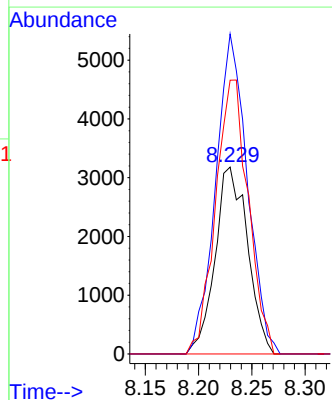
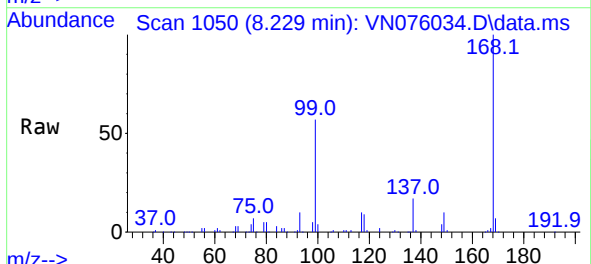
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#15

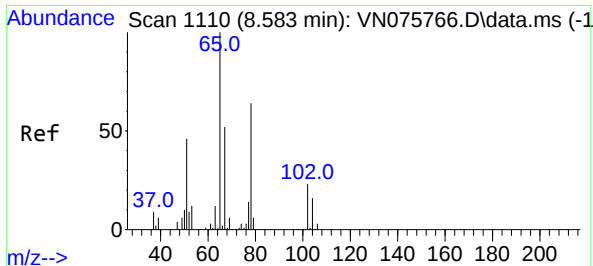
Tgt Ion: 42 Resp: 2455
Ion Ratio Lower Upper
42 100
72 45.5 44.5 66.7
71 51.3 41.0 61.6



#31
Cyclohexane
Concen: 1.183 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.035 min
Lab File: VN076034.D
Acq: 29 Dec 2022 05:43

Tgt Ion: 56 Resp: 6737
Ion Ratio Lower Upper
56 100
69 171.2 24.7 37.1#
84 146.4 76.5 114.7#

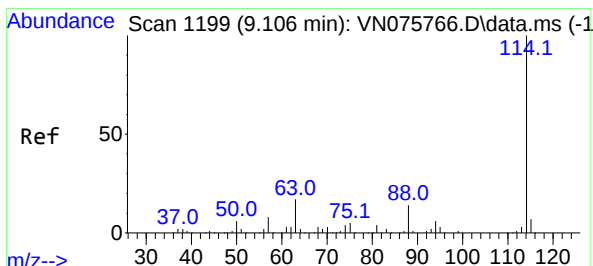
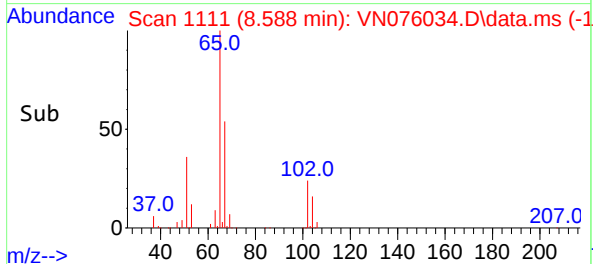
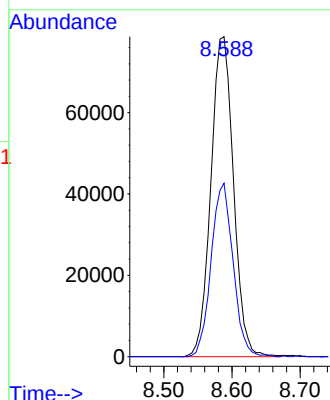
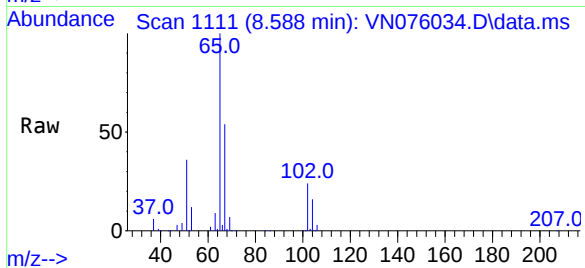




#33
1,2-Dichloroethane-d4
Concen: 45.705 ug/l
RT: 8.588 min Scan# 1110
Delta R.T. 0.006 min
Lab File: VN076034.D
Acq: 29 Dec 2022 05:43

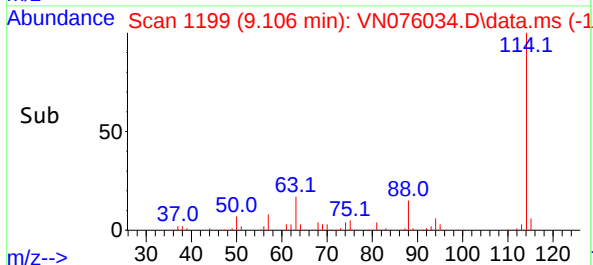
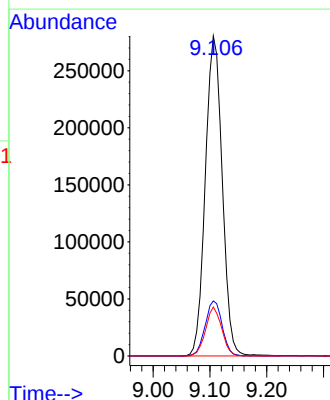
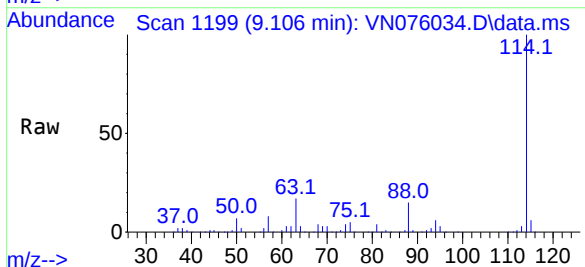
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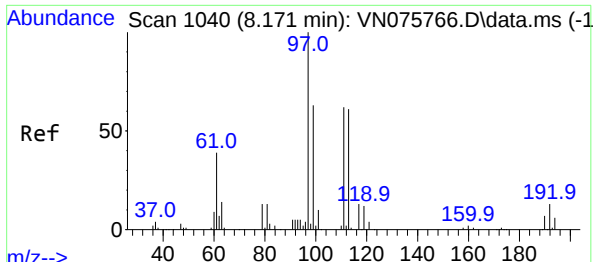
Tgt Ion: 65 Resp: 181711
Ion Ratio Lower Upper
65 100
67 52.5 0.0 103.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN076034.D
Acq: 29 Dec 2022 05:43

Tgt Ion: 114 Resp: 579141
Ion Ratio Lower Upper
114 100
63 17.2 0.0 34.4
88 15.3 0.0 28.8

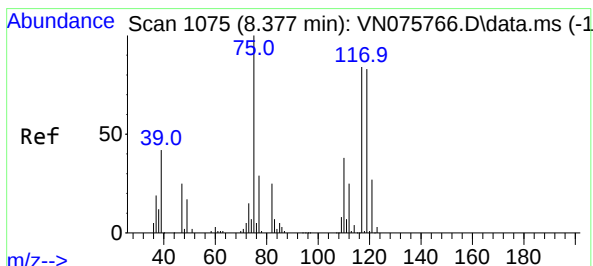
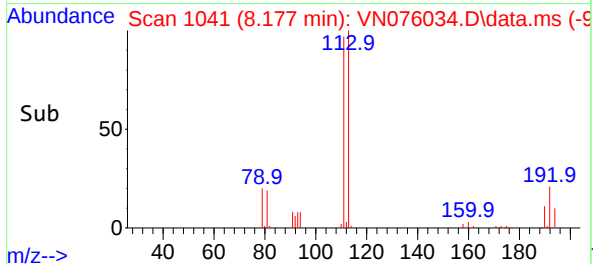
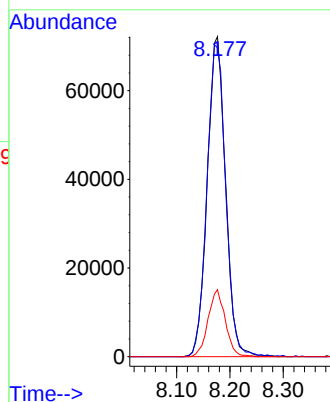
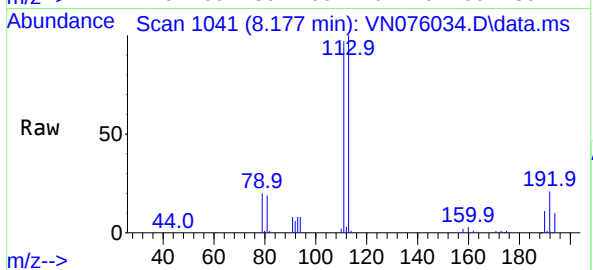




#35
Dibromofluoromethane
Concen: 47.859 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN076034.D
Acq: 29 Dec 2022 05:43

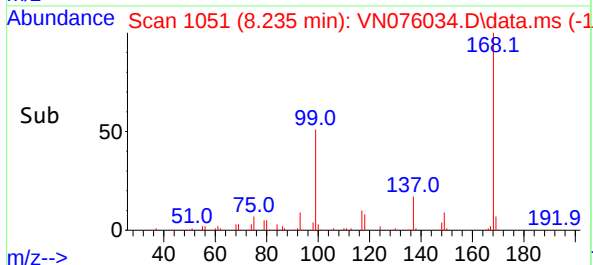
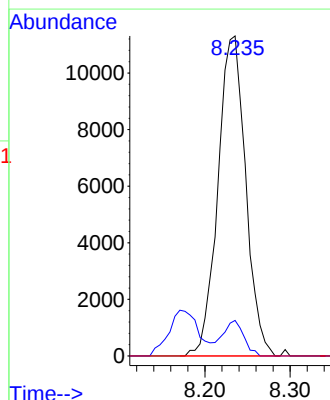
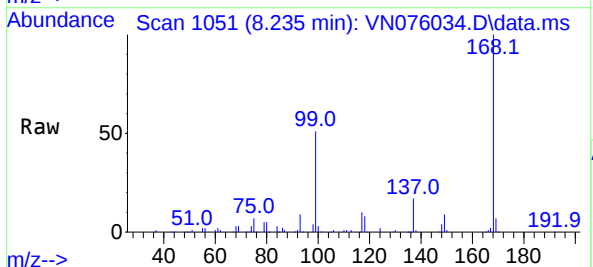
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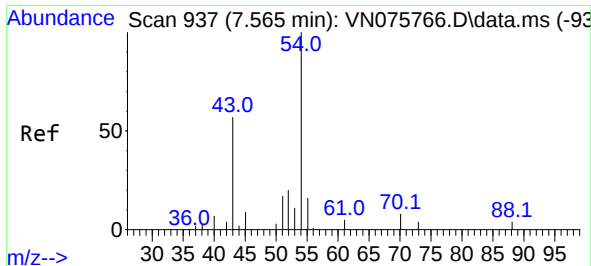
Tgt Ion:113 Resp: 171648
Ion Ratio Lower Upper
113 100
111 100.3 83.4 125.2
192 19.8 16.1 24.1



#36
1,1-Dichloropropene
Concen: 5.377 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.141 min
Lab File: VN076034.D
Acq: 29 Dec 2022 05:43

Tgt Ion: 75 Resp: 25619
Ion Ratio Lower Upper
75 100
110 8.8 18.8 56.4#
77 0.0 24.1 36.1#

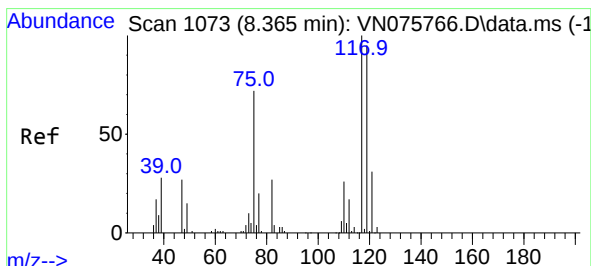
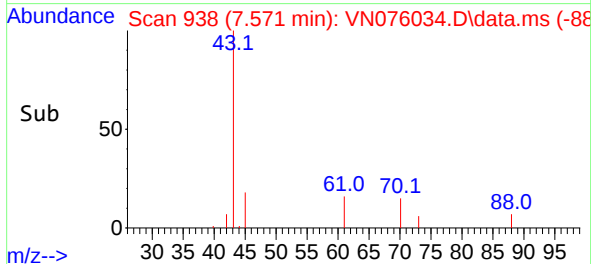
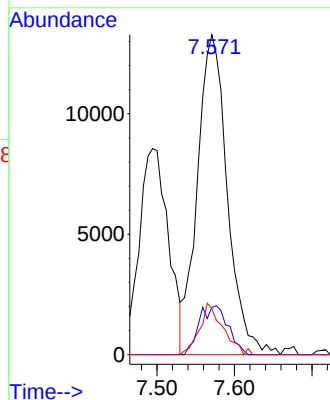
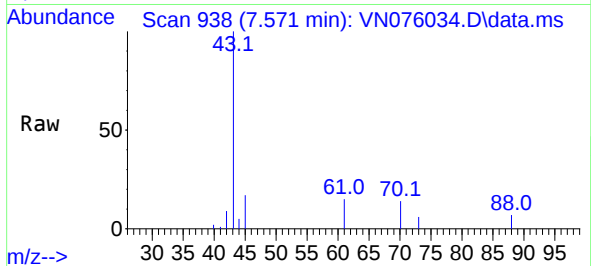




#37
Ethyl Acetate
Concen: 9.346 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN076034.D
Acq: 29 Dec 2022 05:43

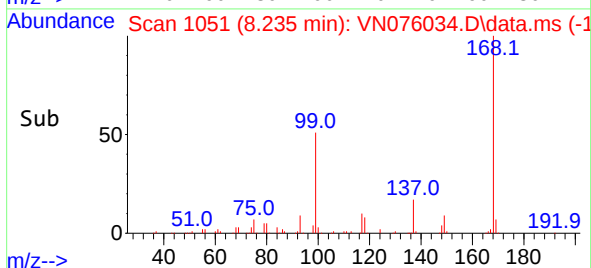
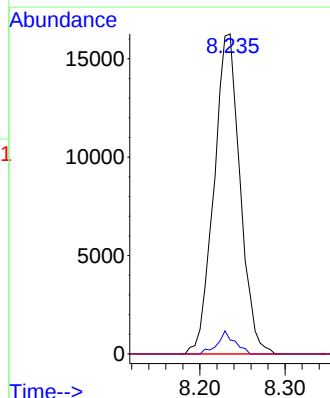
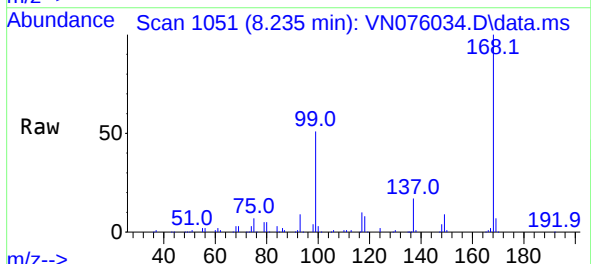
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#15

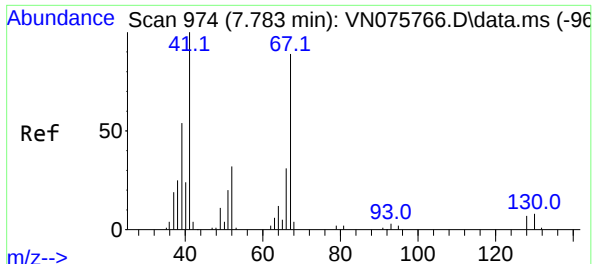
Tgt Ion: 43 Resp: 35765
Ion Ratio Lower Upper
43 100
61 14.7 13.0 19.4
70 12.5 9.4 14.0



#38
Carbon Tetrachloride
Concen: 6.488 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.130 min
Lab File: VN076034.D
Acq: 29 Dec 2022 05:43

Tgt Ion: 117 Resp: 34599
Ion Ratio Lower Upper
117 100
119 4.3 76.1 114.1#
121 0.0 24.5 36.7#

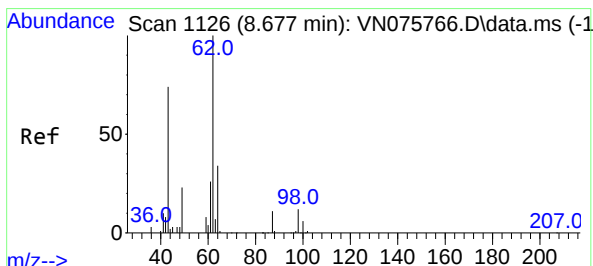
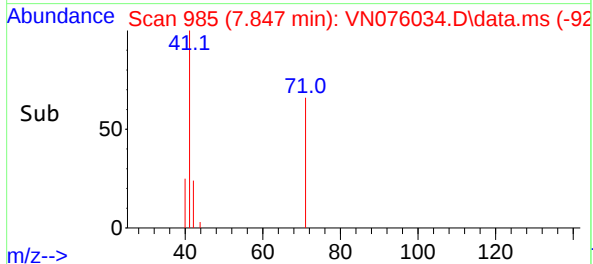
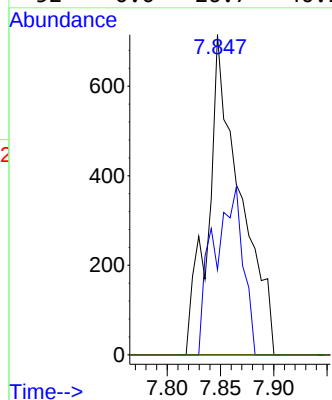
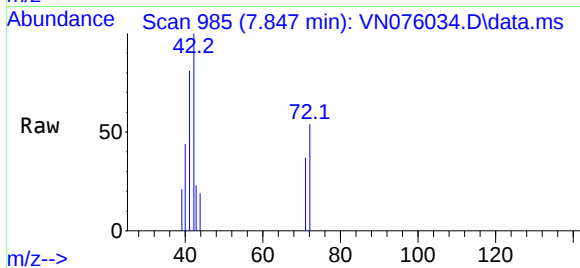




#41
Methacrylonitrile
Concen: 0.757 ug/l
RT: 7.847 min Scan# 91
Delta R.T. 0.065 min
Lab File: VN076034.D
Acq: 29 Dec 2022 05:43

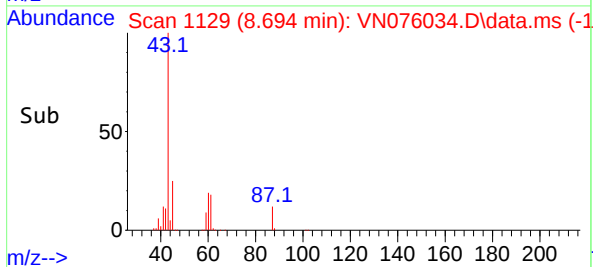
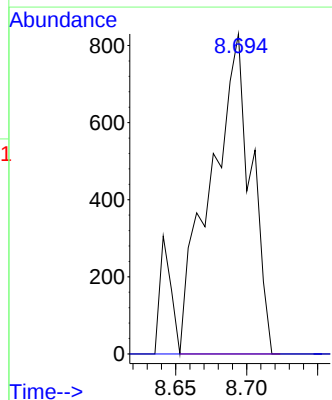
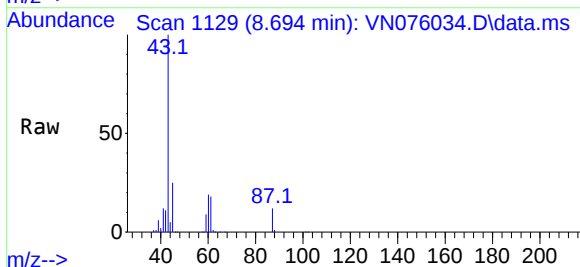
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#15

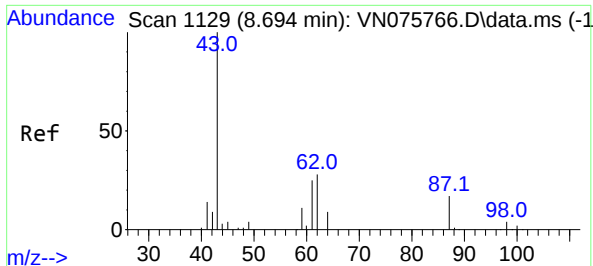
Tgt Ion:	41	Resp:	1505
Ion	Ratio	Lower	Upper
41	100		
39	47.8	43.1	64.7
67	0.0	70.7	106.1#
52	0.0	26.7	40.1#



#42
1,2-Dichloroethane
Concen: 0.336 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.018 min
Lab File: VN076034.D
Acq: 29 Dec 2022 05:43

Tgt Ion:	62	Resp:	1641
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	20.8

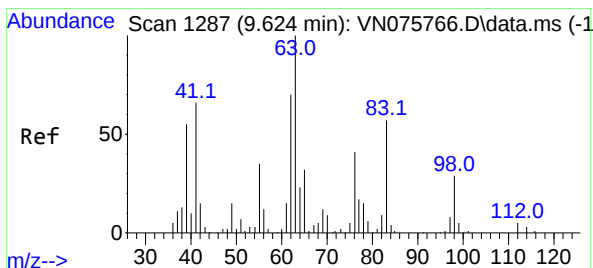
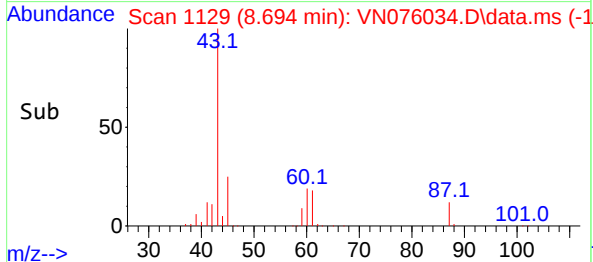
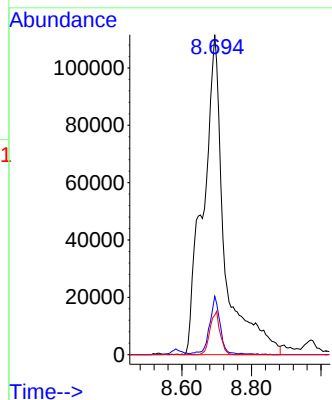
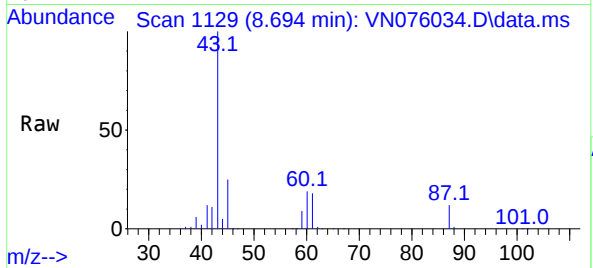




#43
Isopropyl Acetate
Concen: 75.840 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VN076034.D
Acq: 29 Dec 2022 05:43

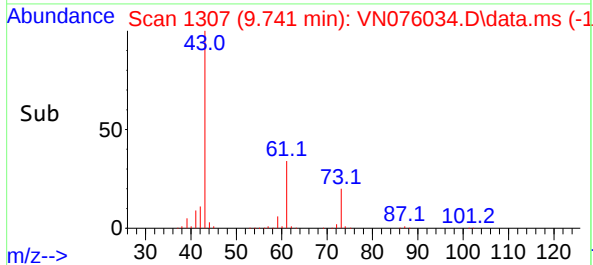
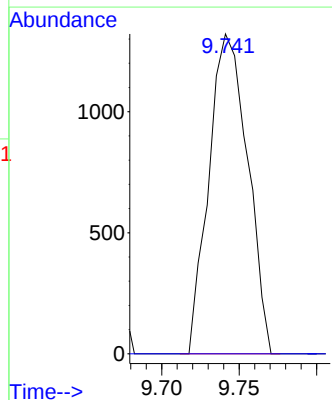
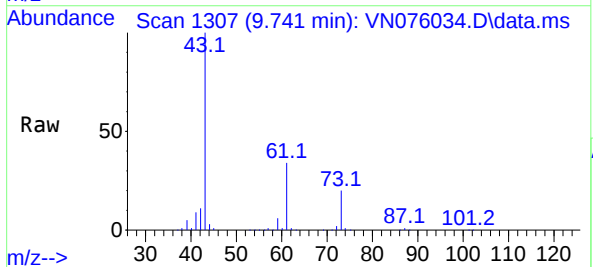
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#15

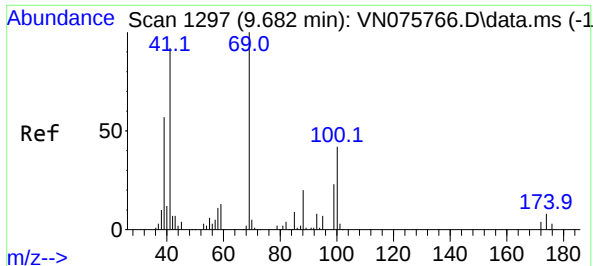
Tgt Ion: 43 Resp: 478766
Ion Ratio Lower Upper
43 100
61 8.6 24.2 36.4#
87 6.3 13.3 19.9#



#45
1,2-Dichloropropane
Concen: 0.642 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.118 min
Lab File: VN076034.D
Acq: 29 Dec 2022 05:43

Tgt Ion: 63 Resp: 2295
Ion Ratio Lower Upper
63 100
65 0.0 25.7 38.5#

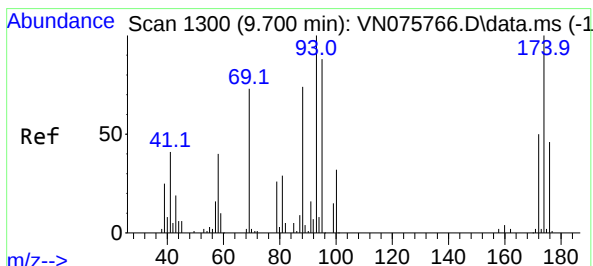
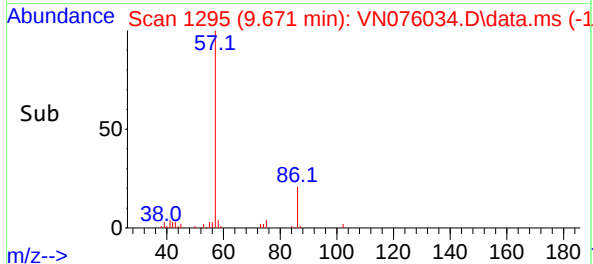
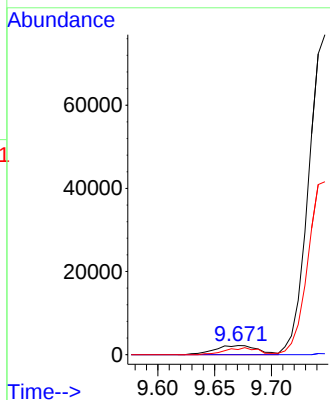
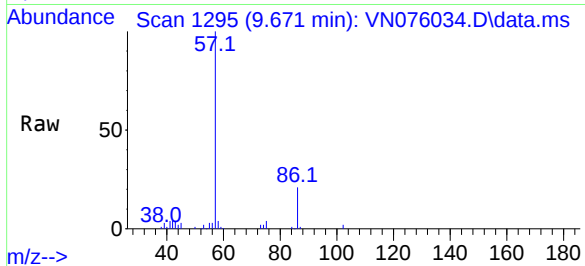




#48
Methyl methacrylate
Concen: 2.050 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN076034.D
Acq: 29 Dec 2022 05:43

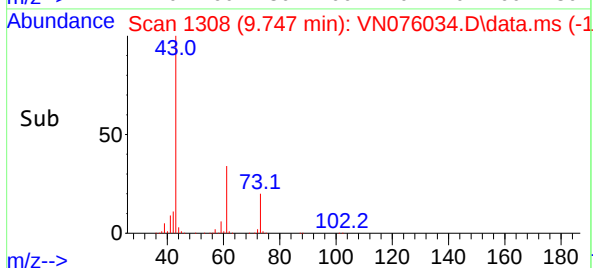
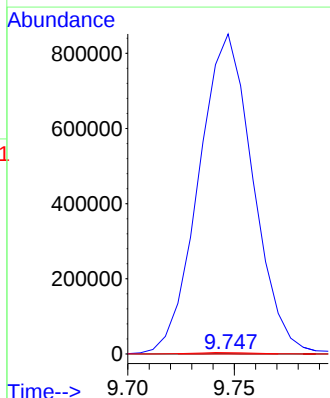
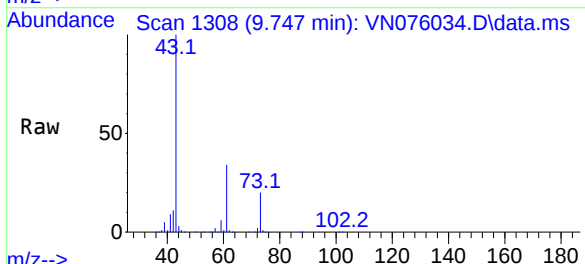
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#15

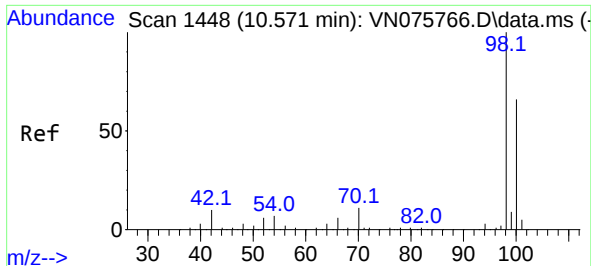
Tgt Ion: 41 Resp: 5829
Ion Ratio Lower Upper
41 100
69 0.0 81.9 122.9#
39 57.8 51.6 77.4



#49
1,4-Dioxane
Concen: 5.308 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.047 min
Lab File: VN076034.D
Acq: 29 Dec 2022 05:43

Tgt Ion: 88 Resp: 371
Ion Ratio Lower Upper
88 100
43 409283.6 17.1 25.7#
58 1801.3 47.8 71.8#

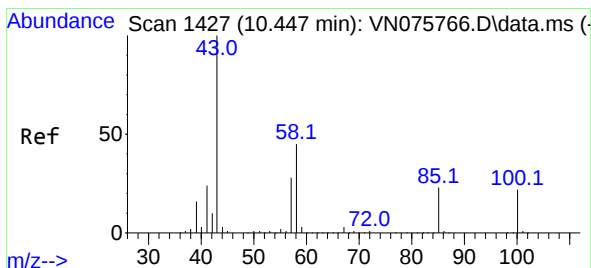
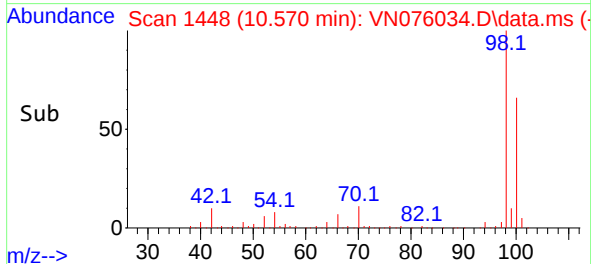
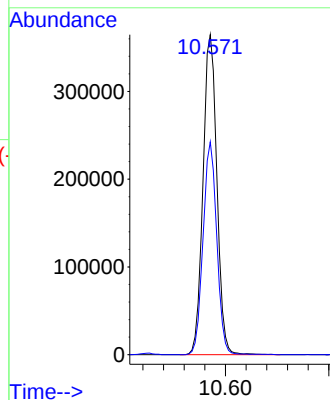
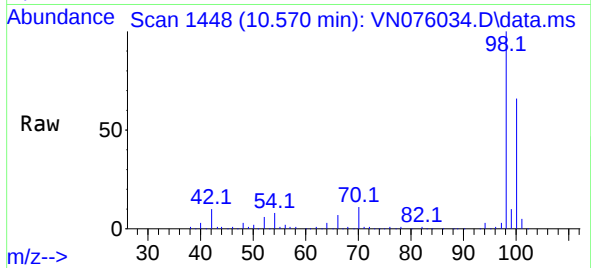




#50
Toluene-d8
Concen: 50.619 ug/l
RT: 10.570 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN076034.D
Acq: 29 Dec 2022 05:43

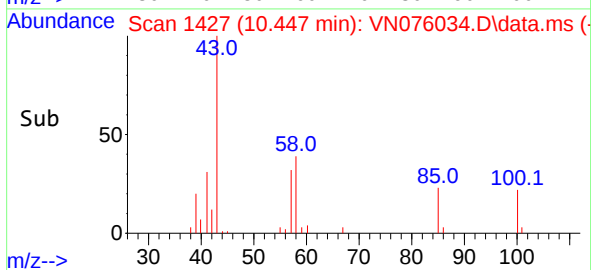
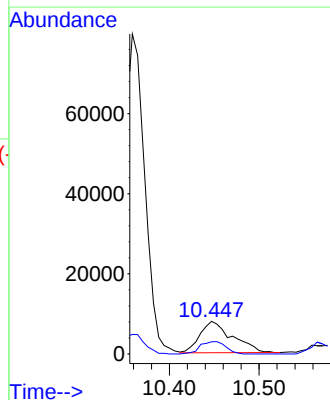
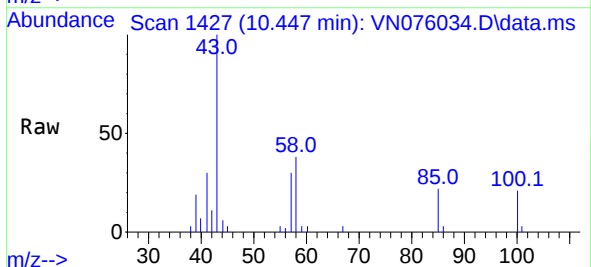
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#15

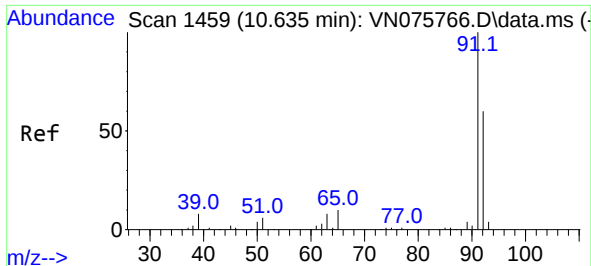
Tgt Ion: 98 Resp: 678789
Ion Ratio Lower Upper
98 100
100 65.7 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 5.134 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. -0.000 min
Lab File: VN076034.D
Acq: 29 Dec 2022 05:43

Tgt Ion: 43 Resp: 19599
Ion Ratio Lower Upper
43 100
58 31.2 35.5 53.3#

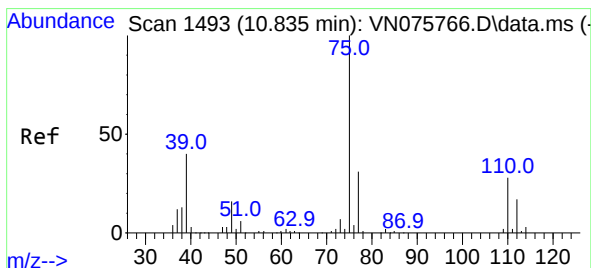
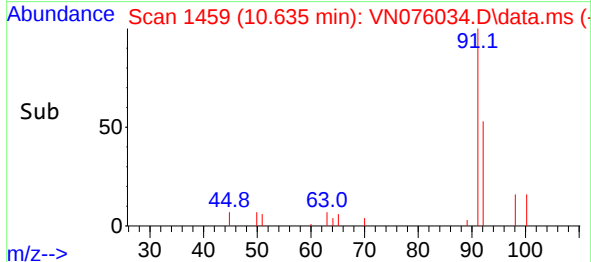
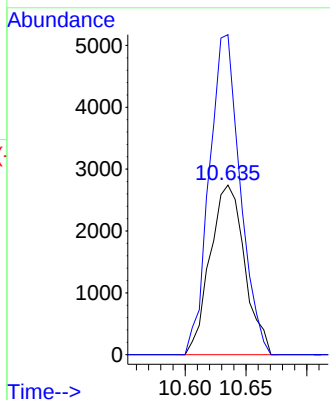
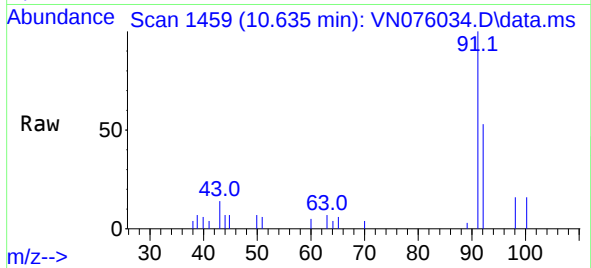




#52
Toluene
Concen: 0.566 ug/l
RT: 10.635 min Scan# 1459
Delta R.T. -0.000 min
Lab File: VN076034.D
Acq: 29 Dec 2022 05:43

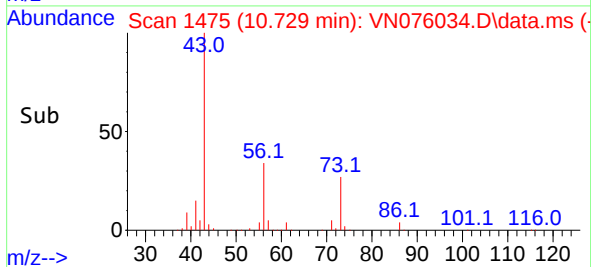
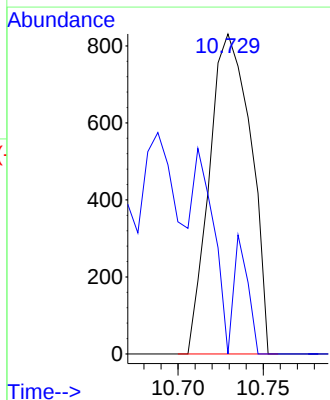
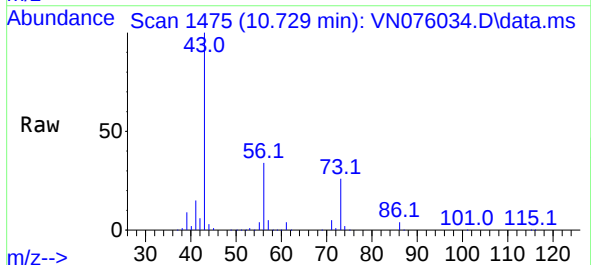
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#15

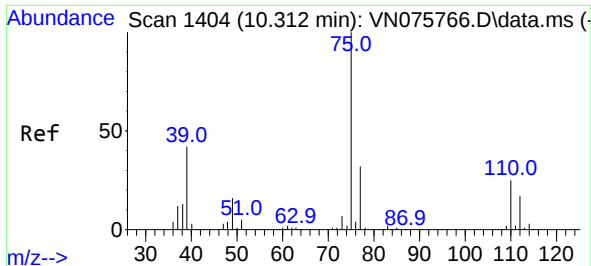
Tgt Ion: 92 Resp: 5417
Ion Ratio Lower Upper
92 100
91 168.8 137.3 205.9



#53
t-1,3-Dichloropropene
Concen: 0.275 ug/l
RT: 10.729 min Scan# 1475
Delta R.T. -0.106 min
Lab File: VN076034.D
Acq: 29 Dec 2022 05:43

Tgt Ion: 75 Resp: 1402
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#

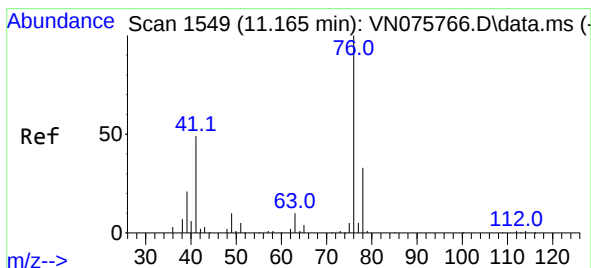
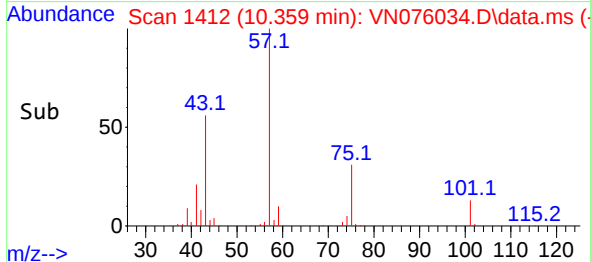
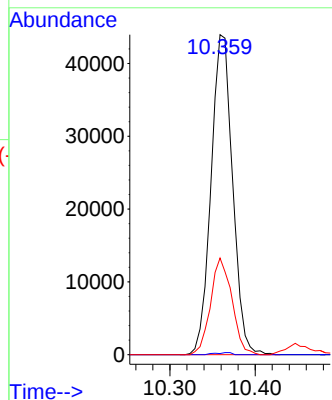
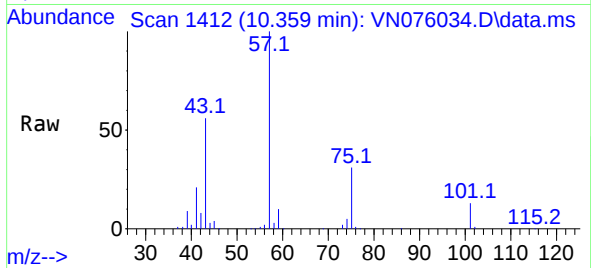




#54
cis-1,3-Dichloropropene
Concen: 13.787 ug/l
RT: 10.359 min Scan# 14
Delta R.T. 0.047 min
Lab File: VN076034.D
Acq: 29 Dec 2022 05:43

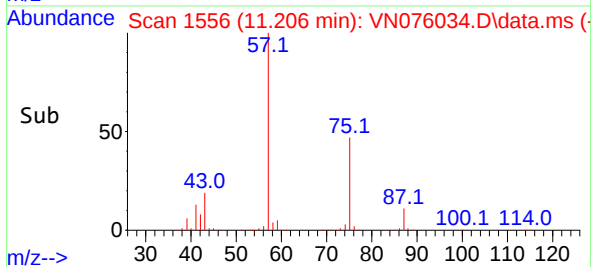
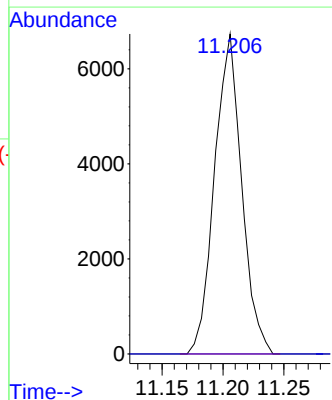
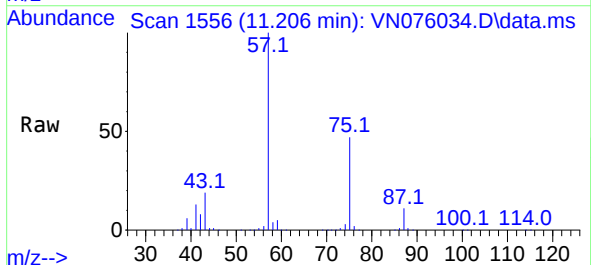
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#15

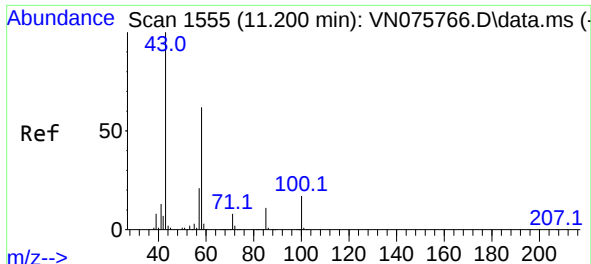
Tgt Ion: 75 Resp: 77096
Ion Ratio Lower Upper
75 100
77 0.4 25.8 38.8#
39 30.2 33.4 50.2#



#57
1,3-Dichloropropane
Concen: 1.694 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN076034.D
Acq: 29 Dec 2022 05:43

Tgt Ion: 76 Resp: 10440
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

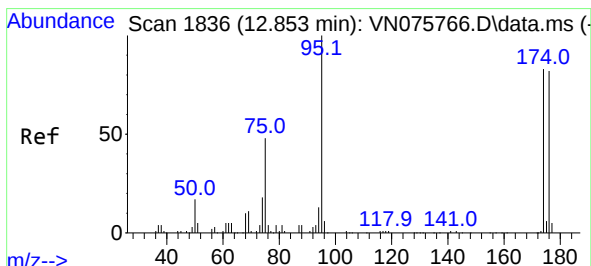
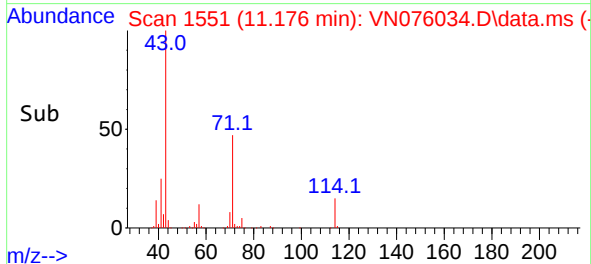
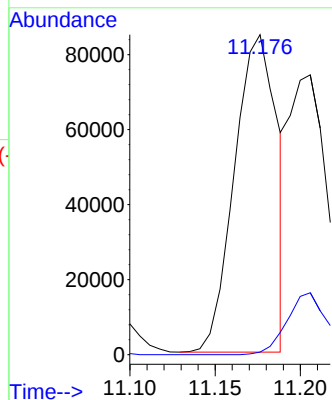
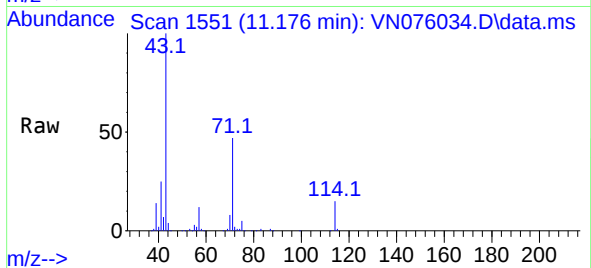




#59
2-Hexanone
Concen: 52.792 ug/l
RT: 11.176 min Scan# 1151
Delta R.T. -0.024 min
Lab File: VN076034.D
Acq: 29 Dec 2022 05:43

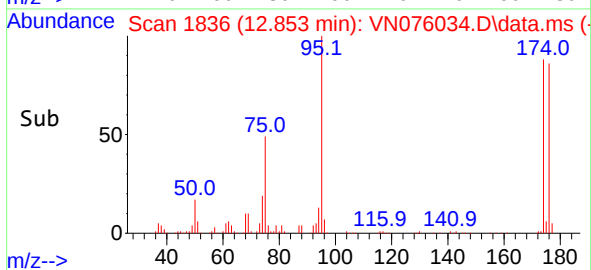
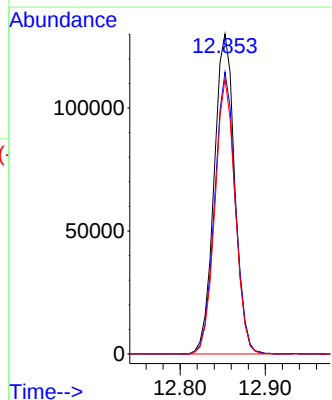
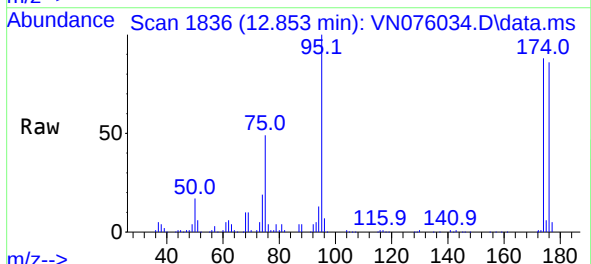
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#15

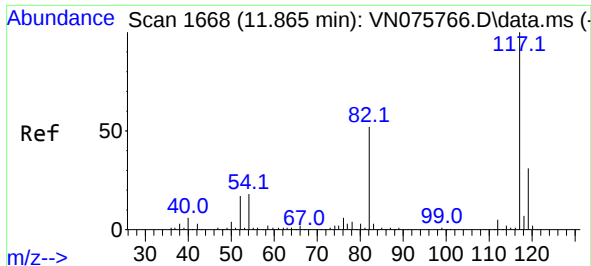
Tgt Ion: 43 Resp: 146980
Ion Ratio Lower Upper
43 100
58 0.0 30.6 92.0#



#62
4-Bromofluorobenzene
Concen: 49.216 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN076034.D
Acq: 29 Dec 2022 05:43

Tgt Ion: 95 Resp: 218588
Ion Ratio Lower Upper
95 100
174 87.8 0.0 171.6
176 84.0 0.0 169.2

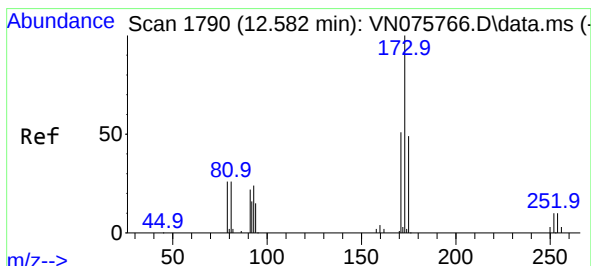
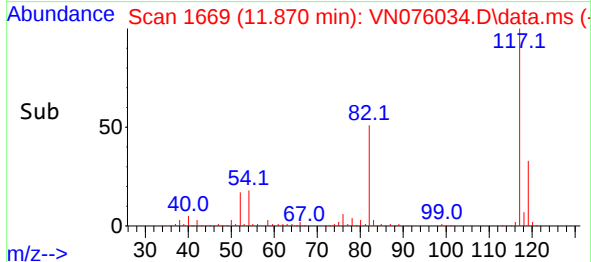
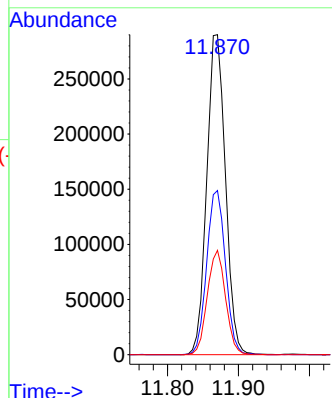
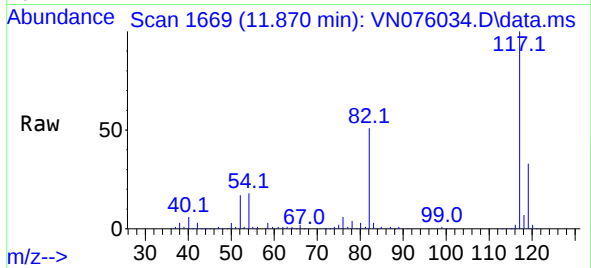




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN076034.D
Acq: 29 Dec 2022 05:43

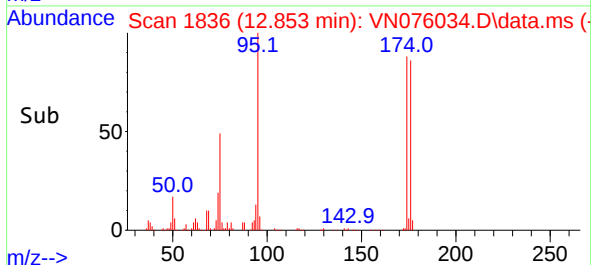
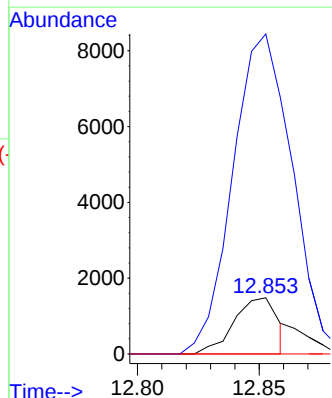
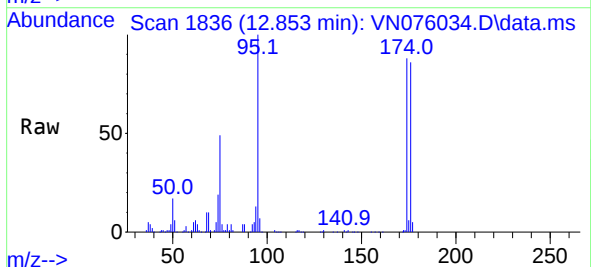
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#15

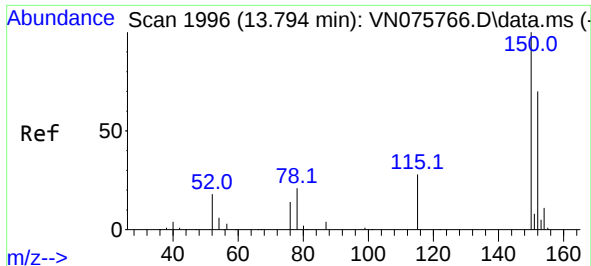
Tgt Ion:117 Resp: 530815
Ion Ratio Lower Upper
117 100
82 51.3 41.3 61.9
119 32.6 24.6 37.0



#71
Bromoform
Concen: 0.632 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.270 min
Lab File: VN076034.D
Acq: 29 Dec 2022 05:43

Tgt Ion:173 Resp: 1855
Ion Ratio Lower Upper
173 100
175 628.2 24.3 72.8#
254 0.0 0.0 0.0

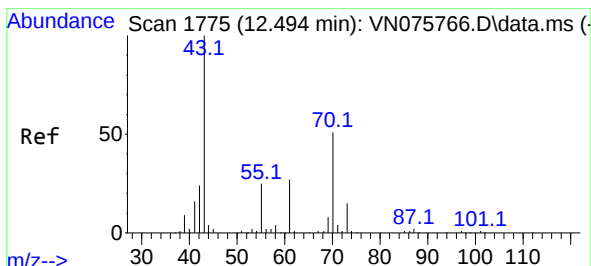
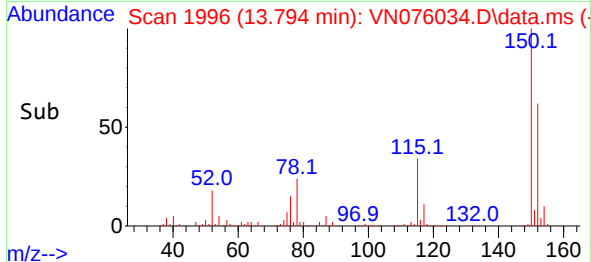
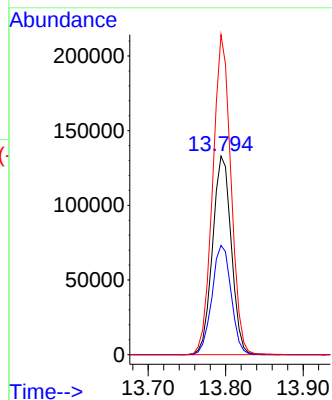
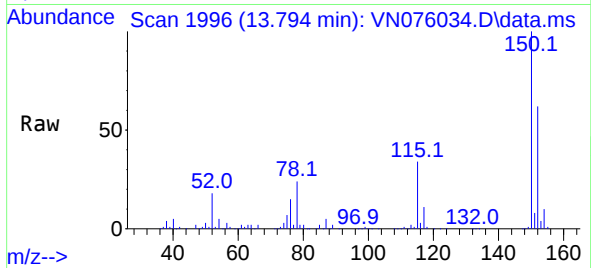




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN076034.D
Acq: 29 Dec 2022 05:43

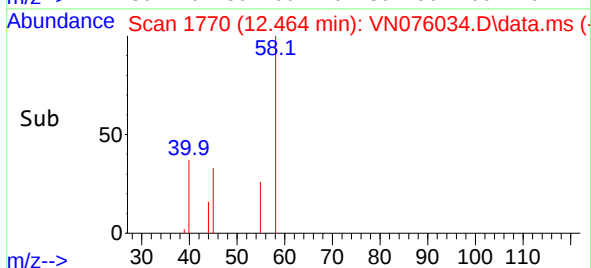
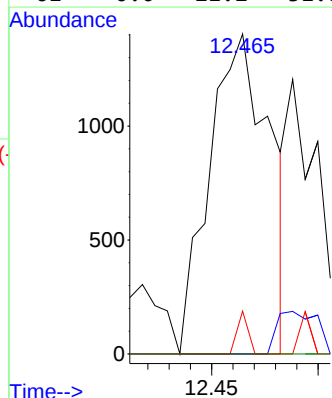
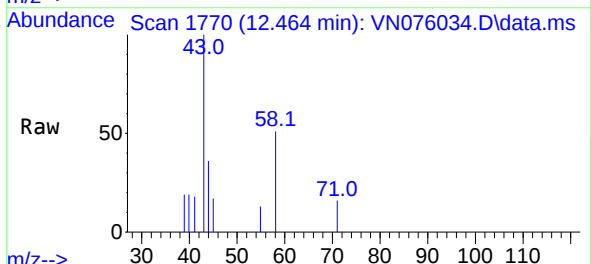
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#15

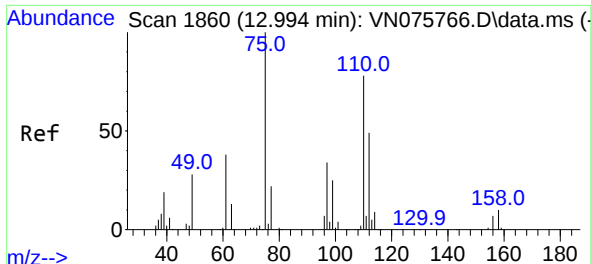
Tgt Ion:152 Resp: 224183
Ion Ratio Lower Upper
152 100
115 56.2 29.1 87.4
150 156.8 0.0 347.0



#74
N-ethyl acetate
Concen: 0.582 ug/l
RT: 12.464 min Scan# 1770
Delta R.T. -0.030 min
Lab File: VN076034.D
Acq: 29 Dec 2022 05:43

Tgt Ion: 43 Resp: 2765
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#

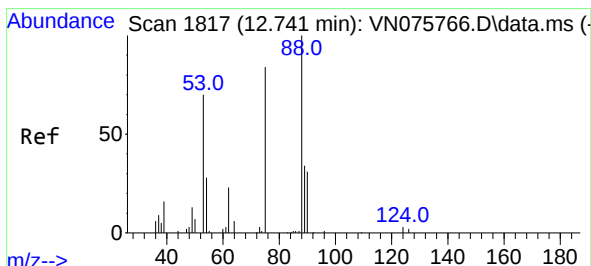
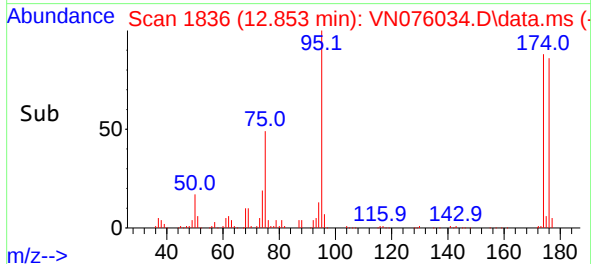
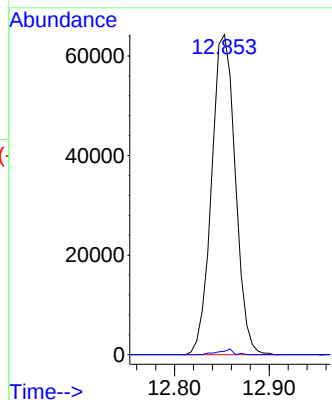
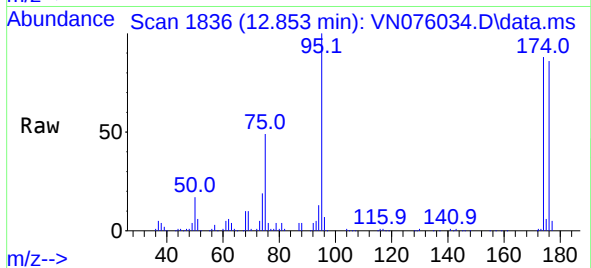




#76
1,2,3-Trichloropropane
Concen: 24.801 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076034.D
Acq: 29 Dec 2022 05:43

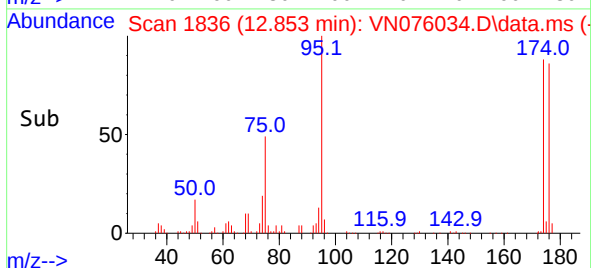
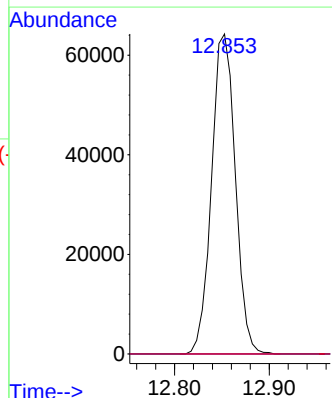
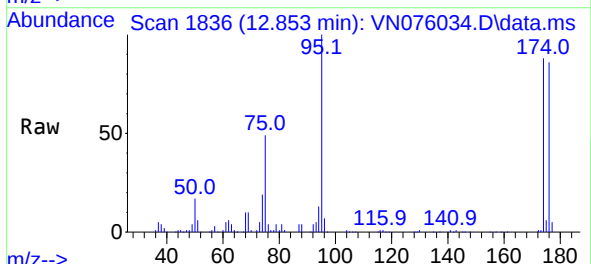
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#15

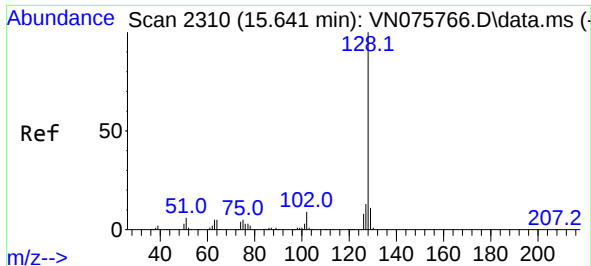
Tgt Ion: 75 Resp: 112074
Ion Ratio Lower Upper
75 100
77 1.0 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 89.270 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN076034.D
Acq: 29 Dec 2022 05:43

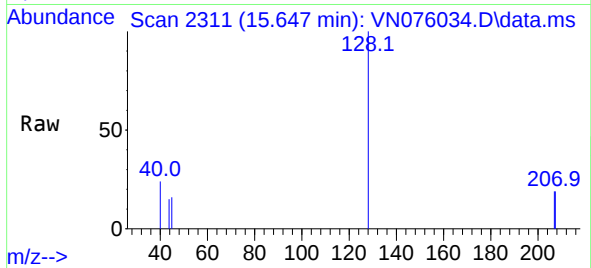
Tgt Ion: 75 Resp: 112074
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#





#95
Naphthalene
Concen: 2.371 ug/l
RT: 15.647 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN076034.D
Acq: 29 Dec 2022 05:43

Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#15



Tgt Ion:	128	Resp:	2467
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	2.8	8.7	13.1#

