

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
 Data File : VN084606.D
 Acq On : 31 Oct 2024 07:22
 Operator : JC\MD
 Sample : PB164501ZHE#15
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB164501ZHE#15

Quant Time: Nov 01 06:19:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

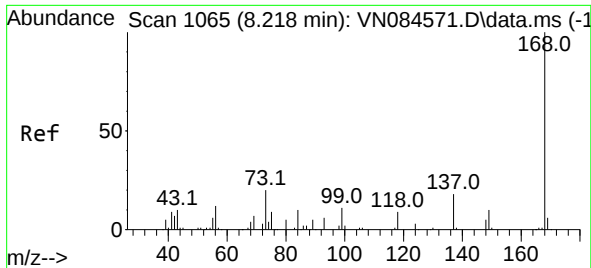
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	174192	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	314074	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	287888	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	121782	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	128387	51.030	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.060%	
35) Dibromofluoromethane	8.165	113	102481	48.206	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.420%	
50) Toluene-d8	10.565	98	379339	48.440	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 96.880%	
62) 4-Bromofluorobenzene	12.847	95	132713	45.345	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 90.680%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1003	Below Cal	#	41
6) Chloroethane	3.106	64	346	Below Cal	#	45
11) Tert butyl alcohol	5.494	59	4265	12.843	ug/l #	73
16) Acetone	4.430	43	25130	32.092	ug/l	98
18) Methyl Acetate	5.030	43	14551	1.618	ug/l	97
20) Methylene Chloride	5.271	84	2402	1.086	ug/l #	47
25) 2-Butanone	7.494	43	2637	2.247	ug/l #	86
31) Cyclohexane	8.218	56	4211	1.212	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	14700	4.986	ug/l #	52
37) Ethyl Acetate	7.559	43	2875	1.075	ug/l #	89
38) Carbon Tetrachloride	8.218	117	19034	5.776	ug/l #	18
42) 1,2-Dichloroethane	8.677	62	1027	0.335	ug/l #	75
43) Isopropyl Acetate	8.688	43	209680	42.280	ug/l #	78
45) 1,2-Dichloropropane	9.741	63	1252	0.564	ug/l #	44
48) Methyl methacrylate	9.665	41	3299	1.585	ug/l #	39
49) 1,4-Dioxane	9.741	88	59	1.599	ug/l #	1
51) 4-Methyl-2-Pentanone	10.441	43	8793	3.448	ug/l #	76
53) t-1,3-Dichloropropene	10.735	75	797	0.233	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	42203	11.660	ug/l #	62
56) Ethyl methacrylate	10.982	69	1511	0.501	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4964	1.387	ug/l #	42
59) 2-Hexanone	11.200	43	65537	35.307	ug/l #	56
74) N-amyl acetate	12.482	43	1935	0.533	ug/l #	44
76) 1,2,3-Trichloropropane	12.847	75	69138	28.401	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	69138	67.378	ug/l #	11
88) 1,4-Dichlorobenzene	13.812	146	55	Below Cal	#	1

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

Quant Time: Nov 01 06:19:13 2024
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Response via : Initial Calibration

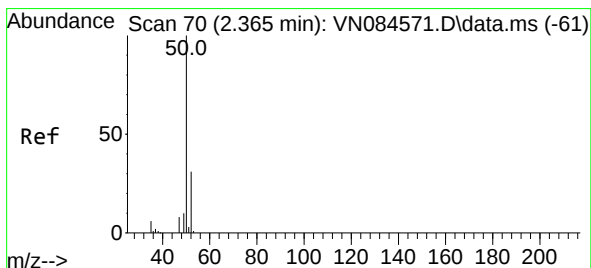
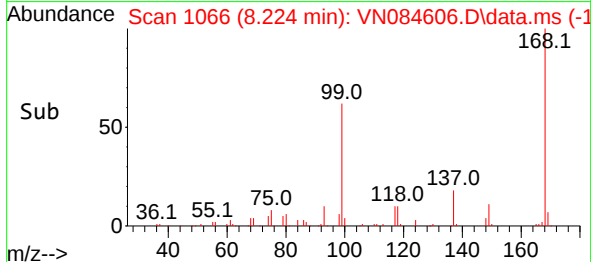
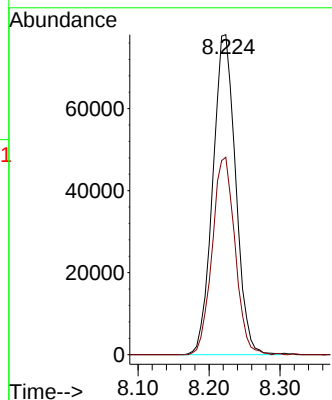
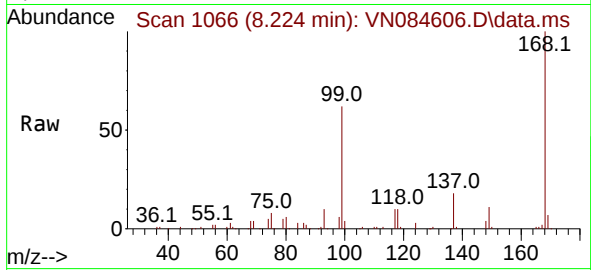




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084606.D
Acq: 31 Oct 2024 07:22

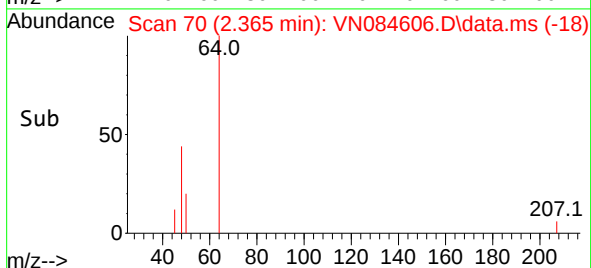
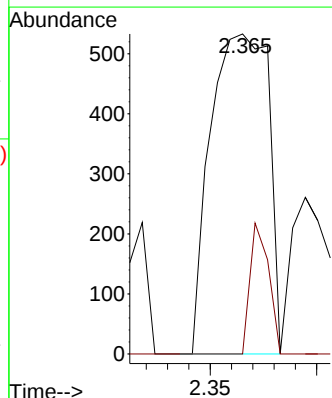
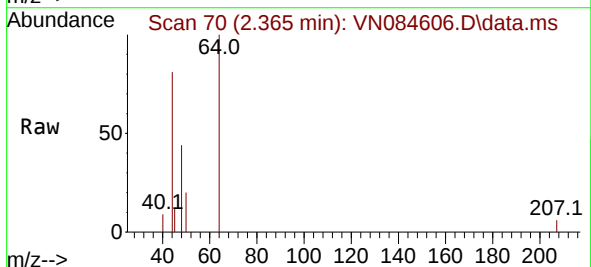
Instrument :
MSVOA_N
ClientSampleId :
PB164501ZHE#15

Tgt Ion:168 Resp: 174192
Ion Ratio Lower Upper
168 100
99 61.7 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084606.D
Acq: 31 Oct 2024 07:22

Tgt Ion: 50 Resp: 1003
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

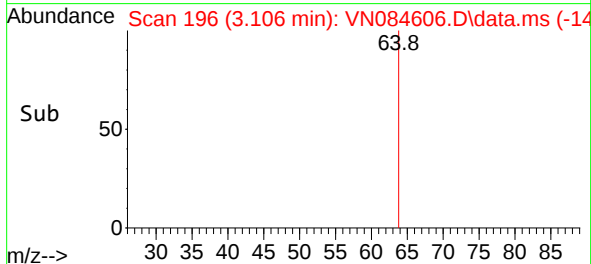
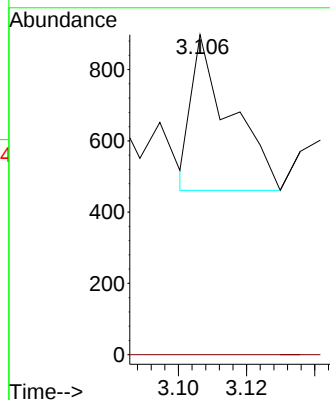
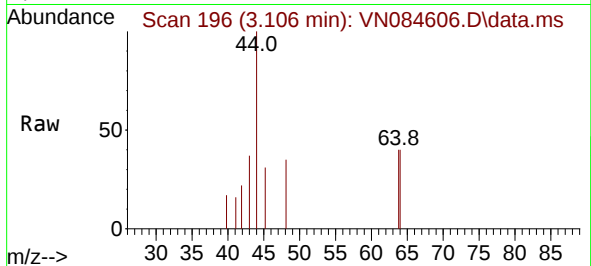




#6
Chloroethane
Concen: Below Cal
RT: 3.106 min Scan# 19
Delta R.T. -0.012 min
Lab File: VN084606.D
Acq: 31 Oct 2024 07:22

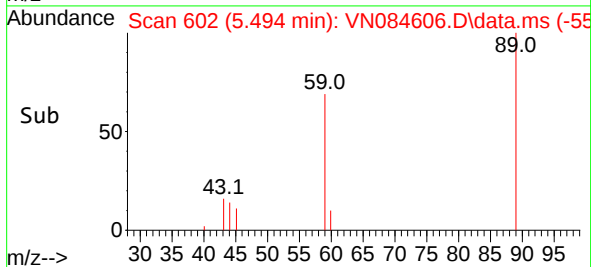
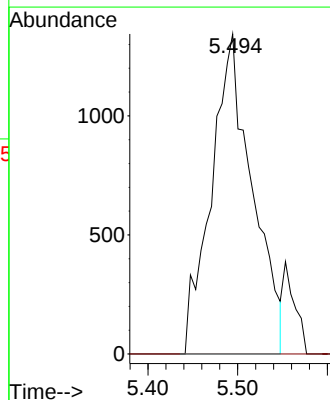
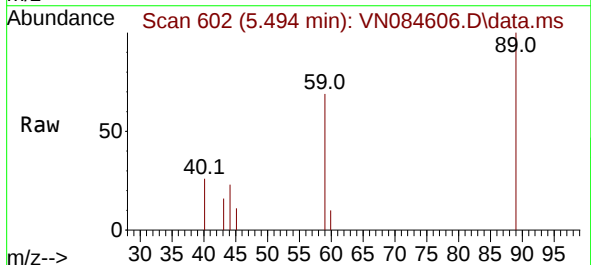
Instrument :
MSVOA_N
ClientSampleId :
PB164501ZHE#15

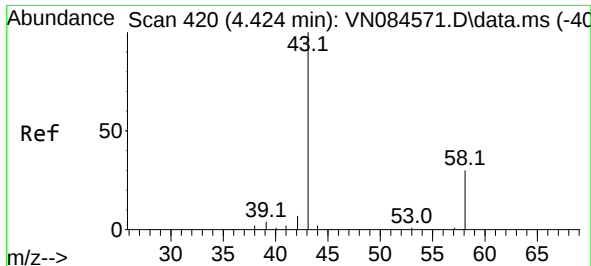
Tgt Ion: 64 Resp: 346
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 12.843 ug/l
RT: 5.494 min Scan# 602
Delta R.T. -0.029 min
Lab File: VN084606.D
Acq: 31 Oct 2024 07:22

Tgt Ion: 59 Resp: 4265
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

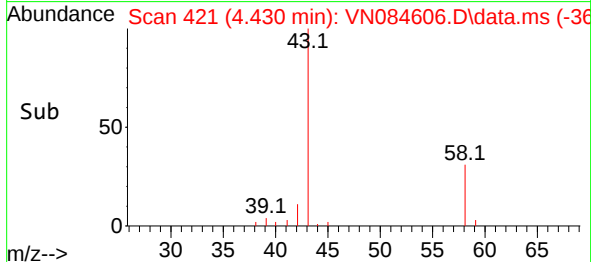
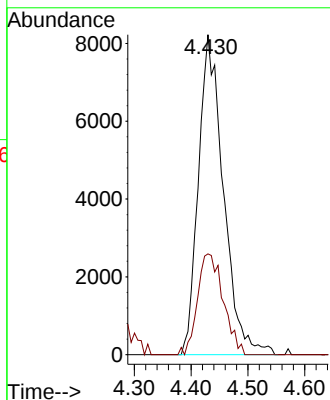
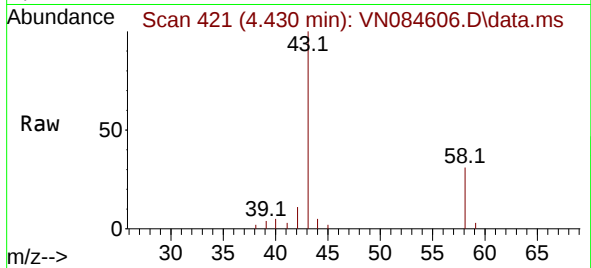




#16
Acetone
Concen: 32.092 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN084606.D
Acq: 31 Oct 2024 07:22

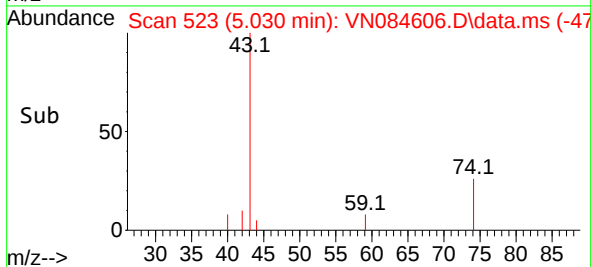
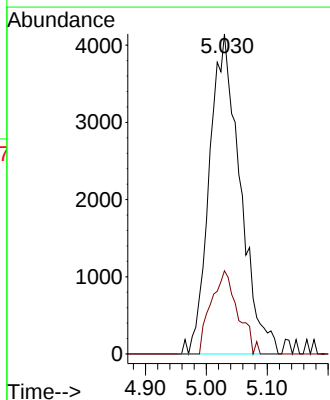
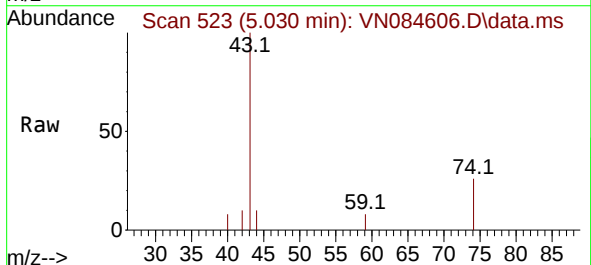
Instrument :
MSVOA_N
ClientSampleId :
PB164501ZHE#15

Tgt Ion: 43 Resp: 25130
Ion Ratio Lower Upper
43 100
58 31.5 24.4 36.6



#18
Methyl Acetate
Concen: 1.618 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN084606.D
Acq: 31 Oct 2024 07:22

Tgt Ion: 43 Resp: 14551
Ion Ratio Lower Upper
43 100
74 22.6 19.2 28.8

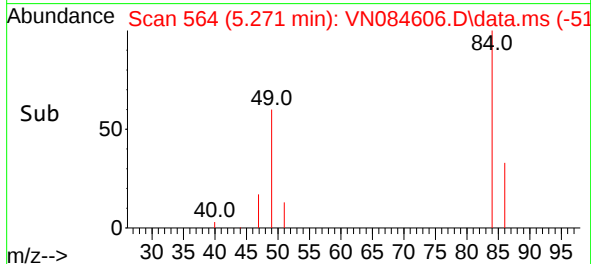
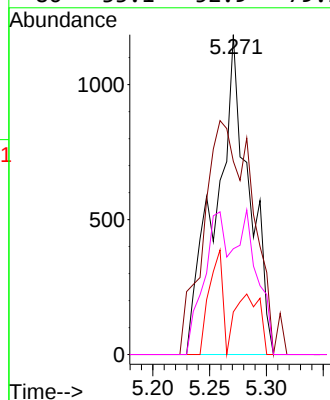
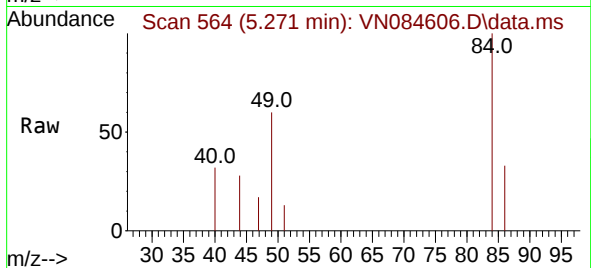




#20
Methylene Chloride
Concen: 1.086 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN084606.D
Acq: 31 Oct 2024 07:22

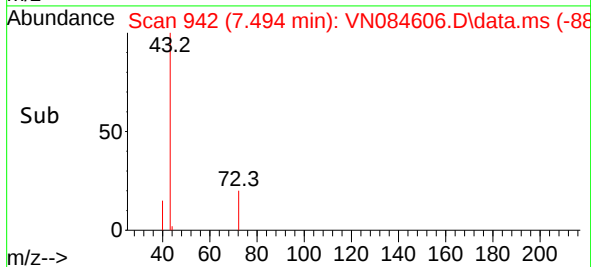
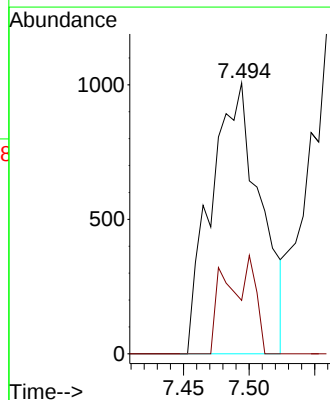
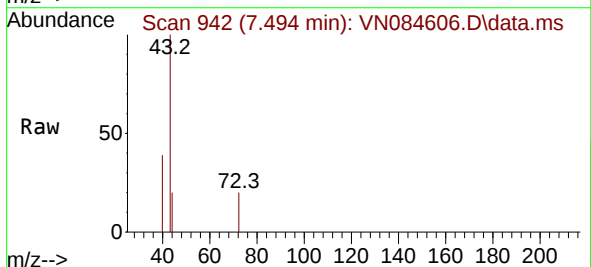
Instrument :
MSVOA_N
ClientSampleId :
PB164501ZHE#15

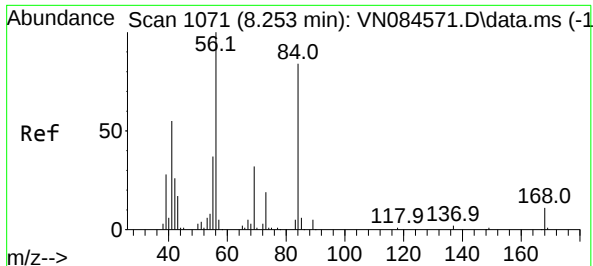
Tgt Ion:	84	Resp:	2402
Ion	Ratio	Lower	Upper
84	100		
49	60.4	107.2	160.8#
51	13.3	31.8	47.8#
86	33.1	52.9	79.3#



#25
2-Butanone
Concen: 2.247 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN084606.D
Acq: 31 Oct 2024 07:22

Tgt Ion:	43	Resp:	2637
Ion	Ratio	Lower	Upper
43	100		
72	19.8	21.4	32.2#

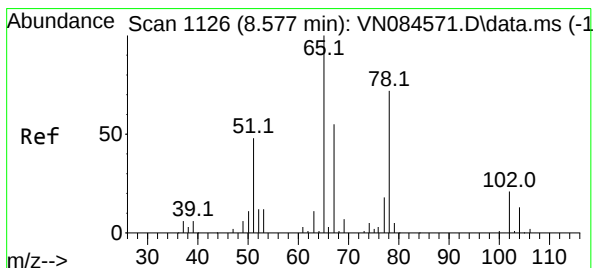
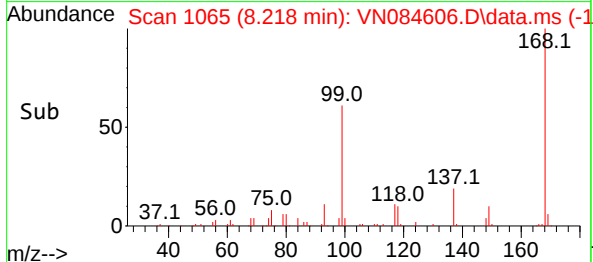
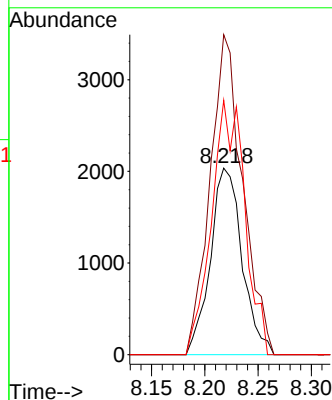
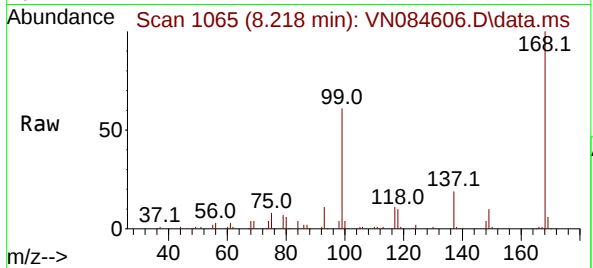




#31
Cyclohexane
Concen: 1.212 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN084606.D
Acq: 31 Oct 2024 07:22

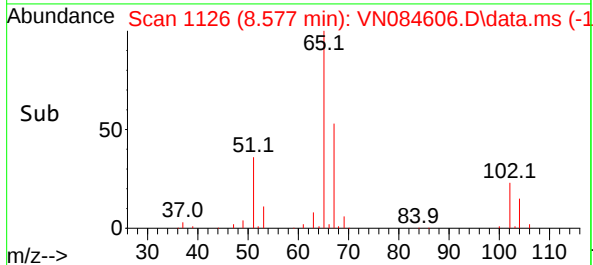
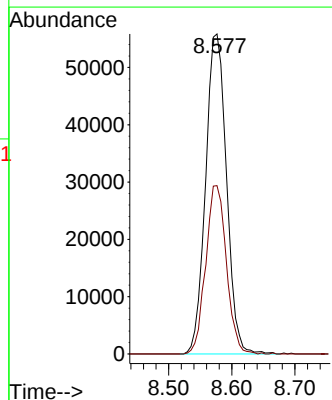
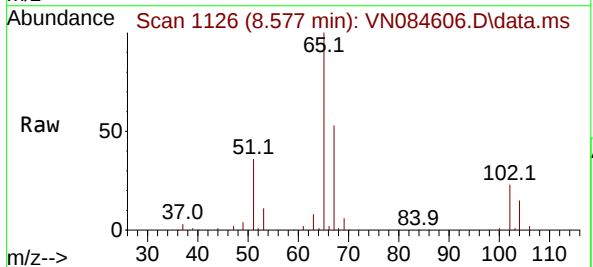
Instrument :
MSVOA_N
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PB164501ZHE#15

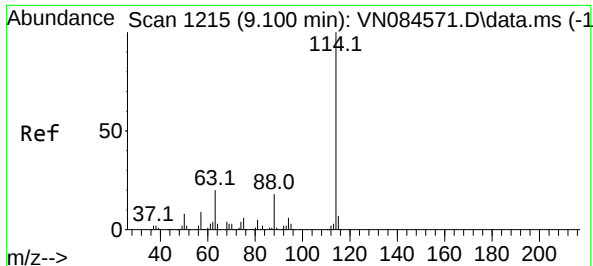
Tgt Ion: 56 Resp: 4211
Ion Ratio Lower Upper
56 100
69 171.6 23.8 35.6#
84 136.5 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 51.030 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084606.D
Acq: 31 Oct 2024 07:22

Tgt Ion: 65 Resp: 128387
Ion Ratio Lower Upper
65 100
67 52.0 0.0 102.0

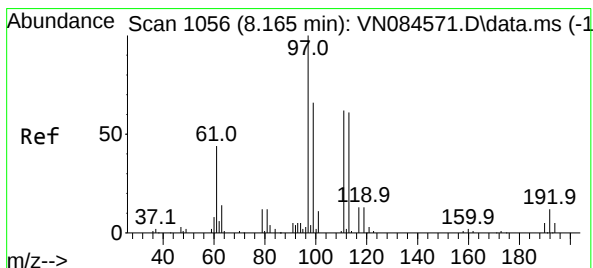
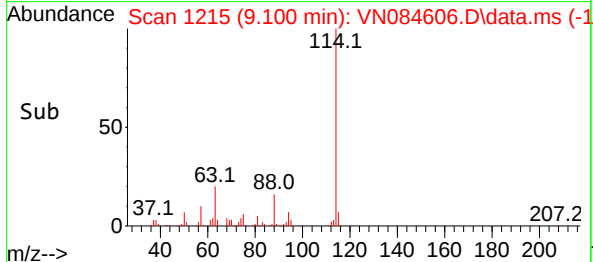
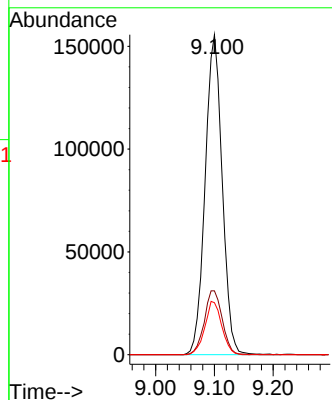
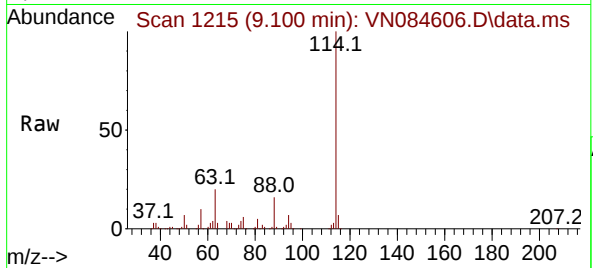




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084606.D
Acq: 31 Oct 2024 07:22

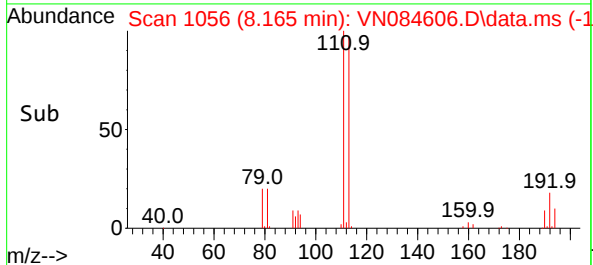
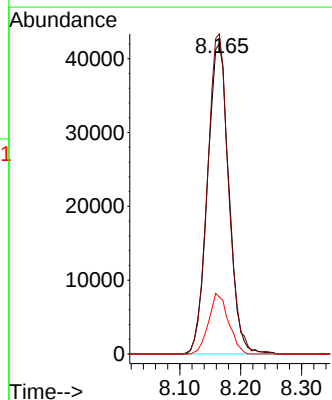
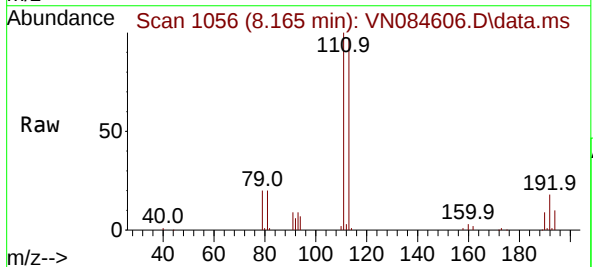
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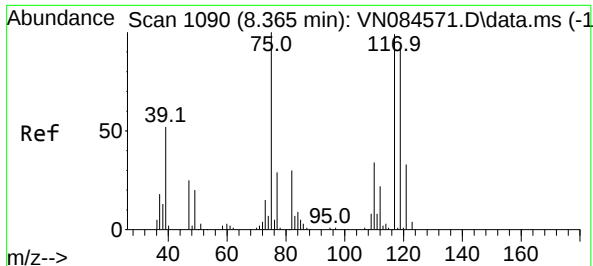
Tgt Ion:114 Resp: 314074
Ion Ratio Lower Upper
114 100
63 19.9 0.0 43.8
88 16.3 0.0 31.6



#35
Dibromofluoromethane
Concen: 48.206 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084606.D
Acq: 31 Oct 2024 07:22

Tgt Ion:113 Resp: 102481
Ion Ratio Lower Upper
113 100
111 101.7 83.3 124.9
192 18.1 13.5 20.3





#36

1,1-Dichloropropene

Concen: 4.986 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN084606.D

Acq: 31 Oct 2024 07:22

Instrument :

MSVOA_N

ClientSampleId :

PB164501ZHE#15

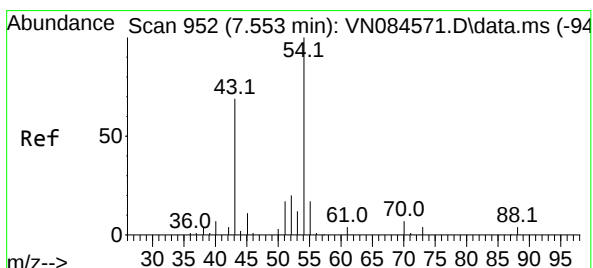
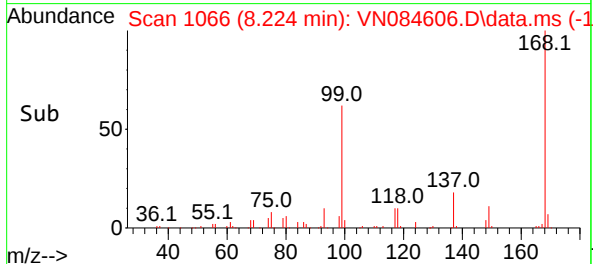
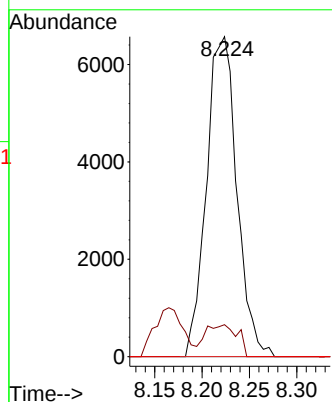
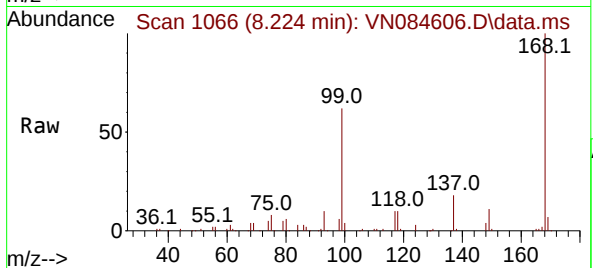
Tgt Ion: 75 Resp: 14700

Ion Ratio Lower Upper

75 100

110 10.5 16.9 50.7#

77 0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 1.075 ug/l

RT: 7.559 min Scan# 953

Delta R.T. -0.000 min

Lab File: VN084606.D

Acq: 31 Oct 2024 07:22

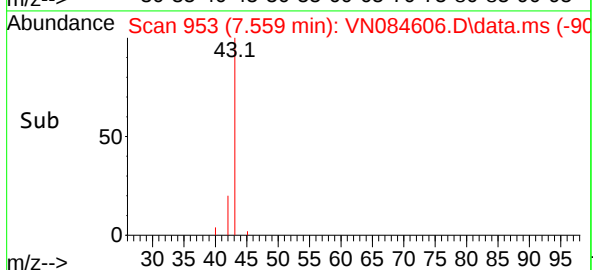
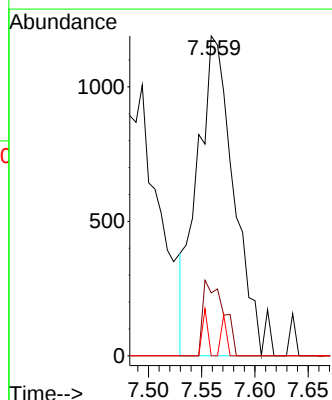
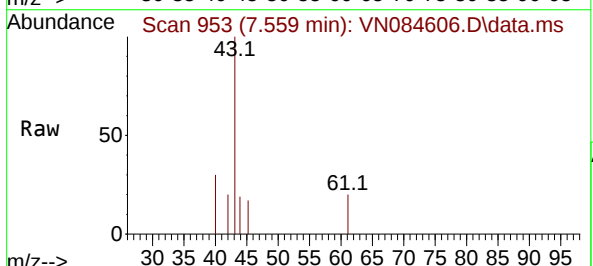
Tgt Ion: 43 Resp: 2875

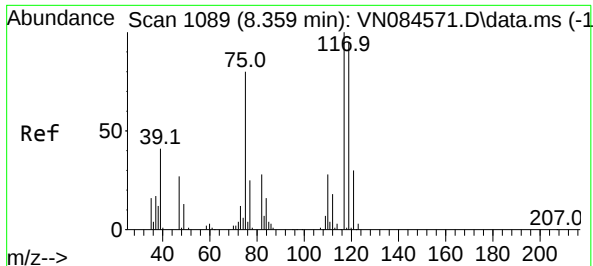
Ion Ratio Lower Upper

43 100

61 13.1 10.7 16.1

70 2.2 8.8 13.2#

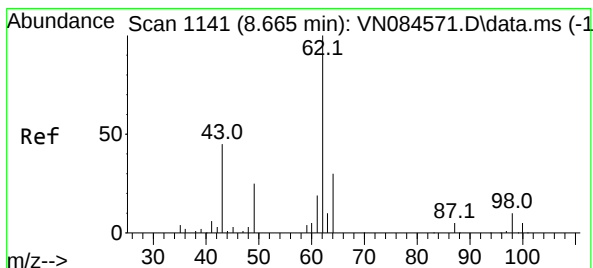
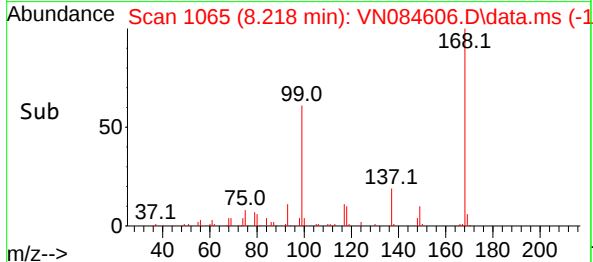
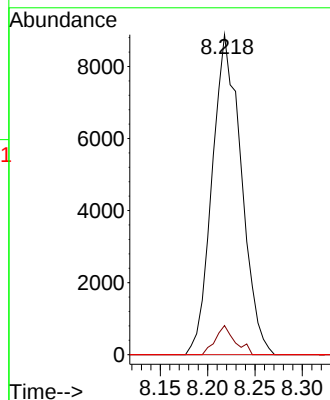
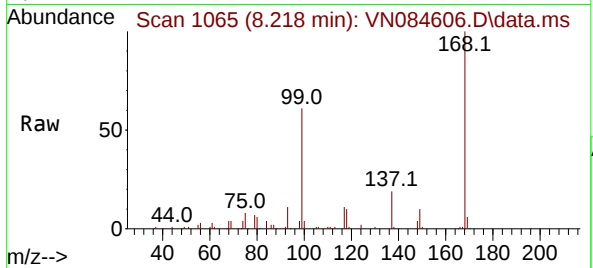




#38
Carbon Tetrachloride
Concen: 5.776 ug/l
RT: 8.218 min Scan# 110
Delta R.T. -0.141 min
Lab File: VN084606.D
Acq: 31 Oct 2024 07:22

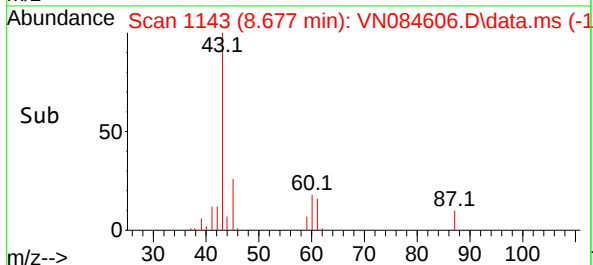
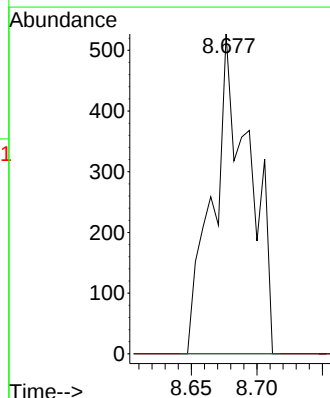
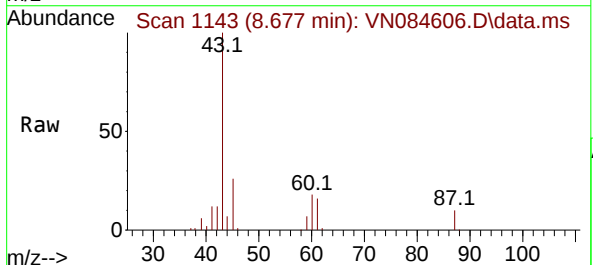
Instrument :
MSVOA_N
ClientSampleId :
PB164501ZHE#15

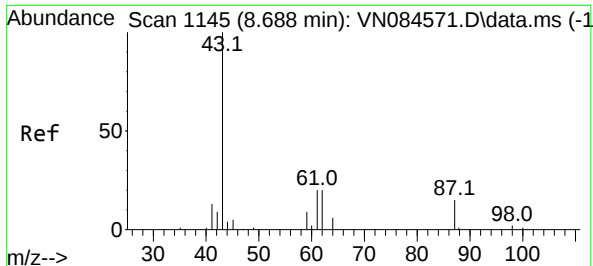
Tgt Ion:117 Resp: 19034
Ion Ratio Lower Upper
117 100
119 9.1 78.7 118.1#
121 0.0 24.4 36.6#



#42
1,2-Dichloroethane
Concen: 0.335 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN084606.D
Acq: 31 Oct 2024 07:22

Tgt Ion: 62 Resp: 1027
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2

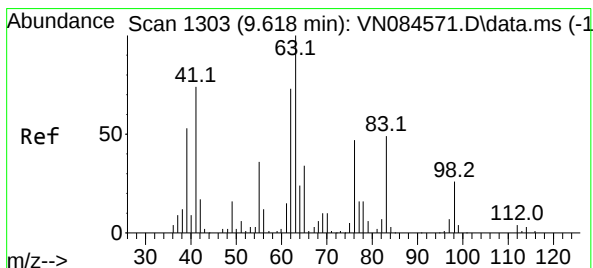
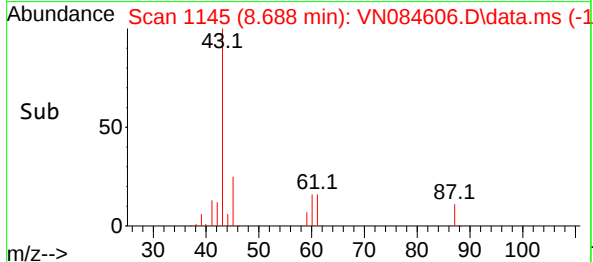
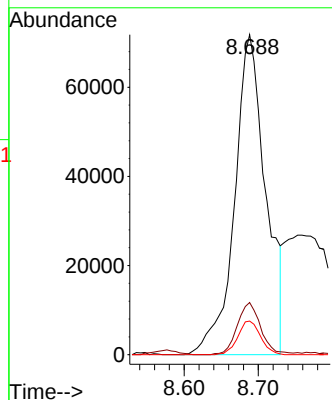
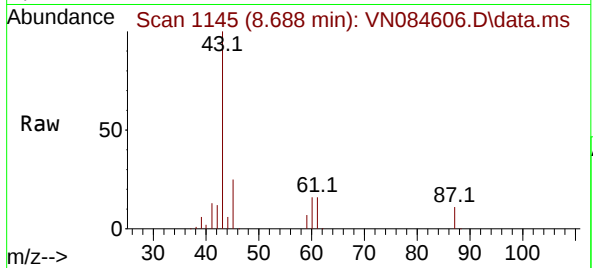




#43
Isopropyl Acetate
Concen: 42.280 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084606.D
Acq: 31 Oct 2024 07:22

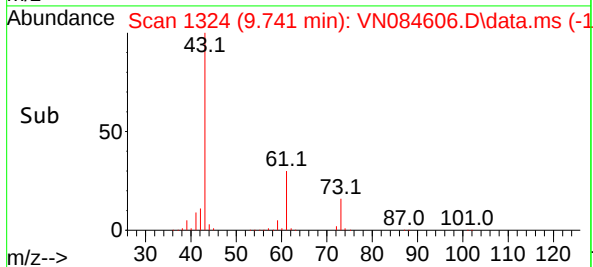
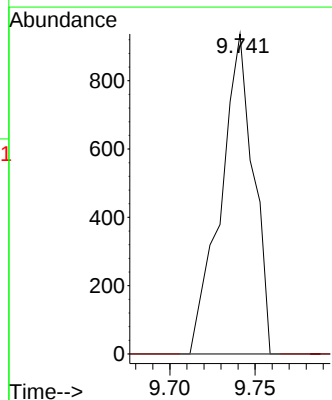
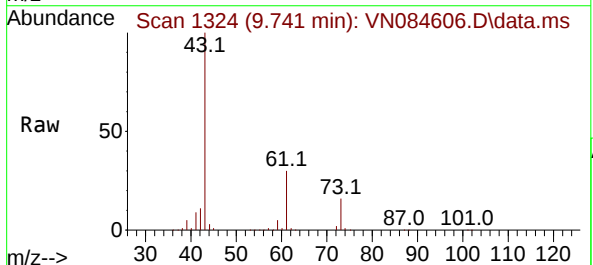
Instrument :
MSVOA_N
ClientSampleId :
PB164501ZHE#15

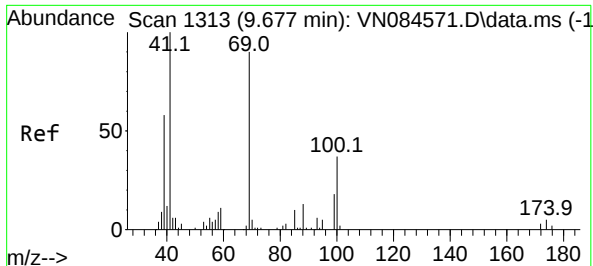
Tgt Ion: 43 Resp: 209680
Ion Ratio Lower Upper
43 100
61 12.3 20.4 30.6#
87 7.7 10.3 15.5#



#45
1,2-Dichloropropane
Concen: 0.564 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.123 min
Lab File: VN084606.D
Acq: 31 Oct 2024 07:22

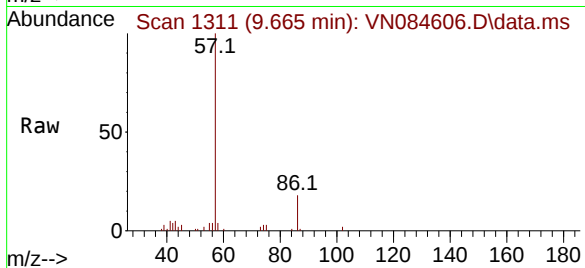
Tgt Ion: 63 Resp: 1252
Ion Ratio Lower Upper
63 100
65 0.0 24.6 37.0#



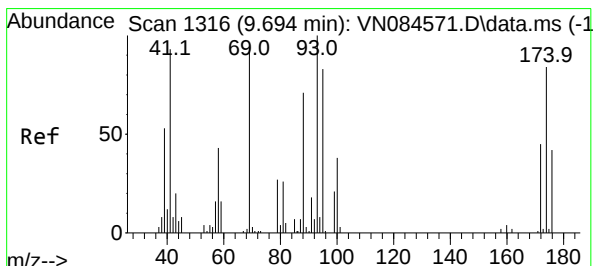
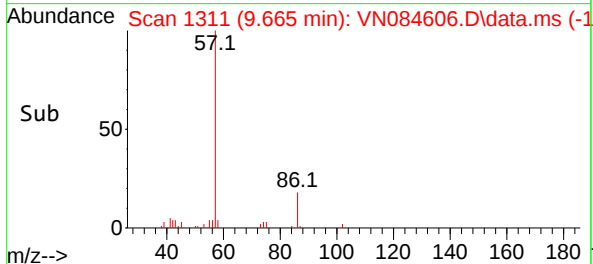
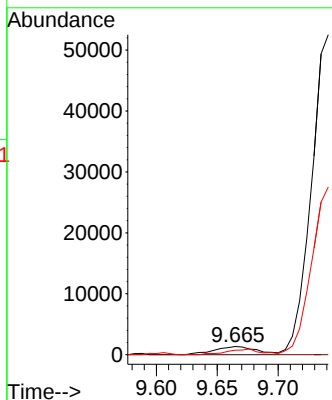


#48
Methyl methacrylate
Concen: 1.585 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN084606.D
Acq: 31 Oct 2024 07:22

Instrument :
MSVOA_N
ClientSampleId :
PB164501ZHE#15

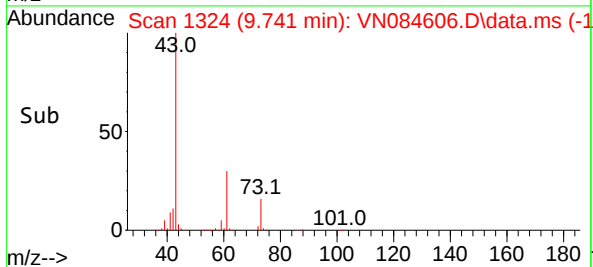
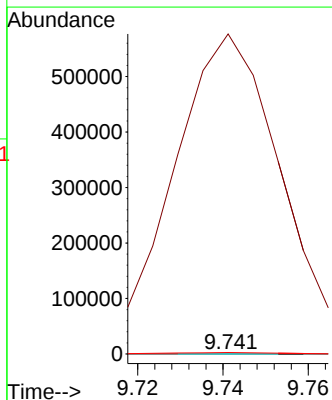
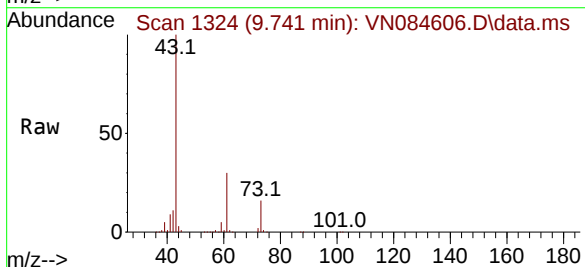


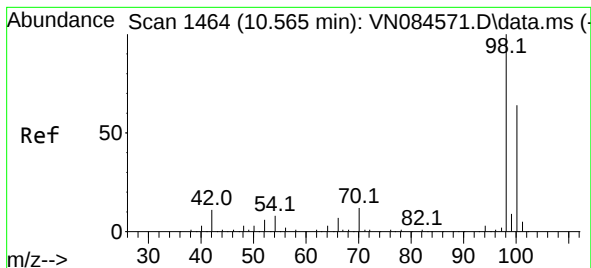
Tgt Ion: 41 Resp: 3299
Ion Ratio Lower Upper
41 100
69 0.0 67.1 100.7#
39 47.2 45.8 68.6



#49
1,4-Dioxane
Concen: 1.599 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.047 min
Lab File: VN084606.D
Acq: 31 Oct 2024 07:22

Tgt Ion: 88 Resp: 59
Ion Ratio Lower Upper
88 100
43 1749367.8 25.3 37.9#
58 8145.8 56.4 84.6#

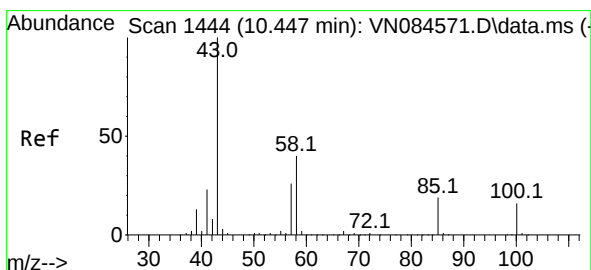
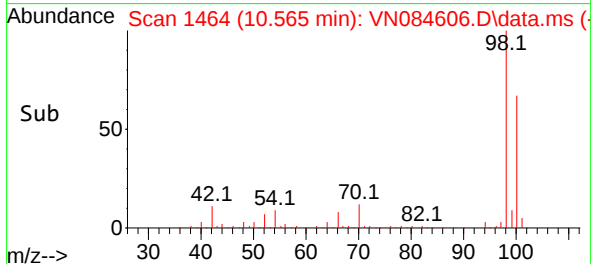
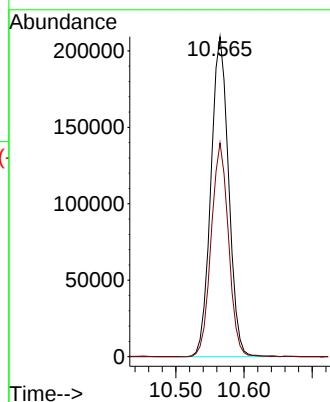
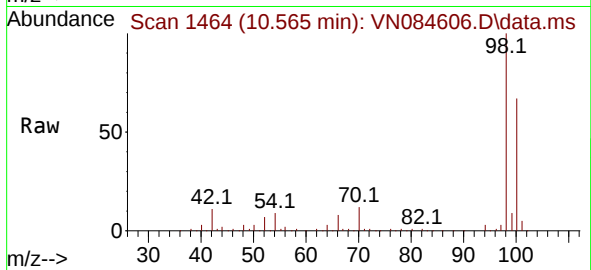




#50
Toluene-d8
Concen: 48.440 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084606.D
Acq: 31 Oct 2024 07:22

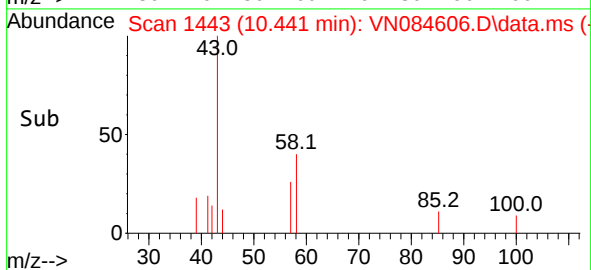
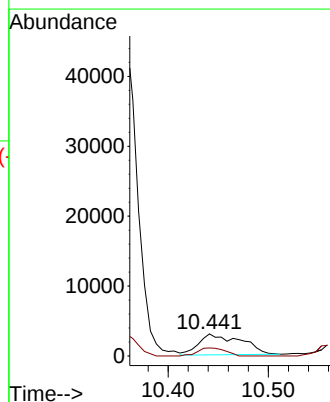
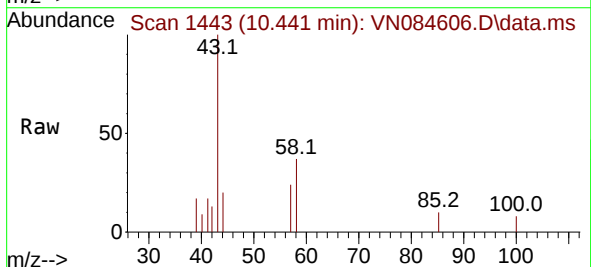
Instrument :
MSVOA_N
ClientSampleId :
PB164501ZHE#15

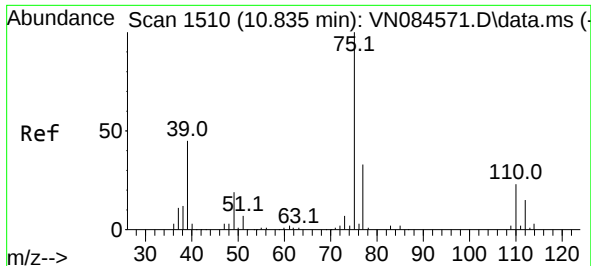
Tgt Ion: 98 Resp: 379339
Ion Ratio Lower Upper
98 100
100 65.2 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 3.448 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN084606.D
Acq: 31 Oct 2024 07:22

Tgt Ion: 43 Resp: 8793
Ion Ratio Lower Upper
43 100
58 25.0 31.6 47.4#

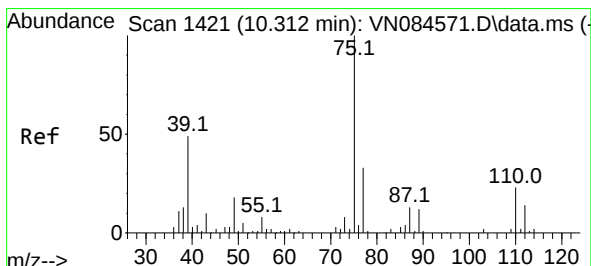
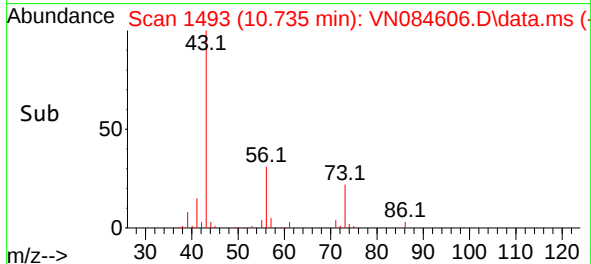
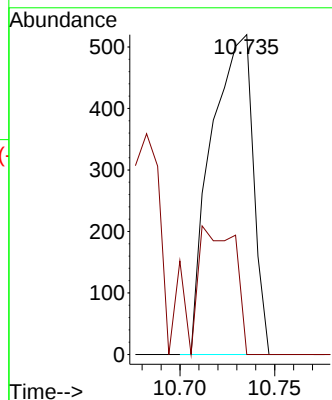
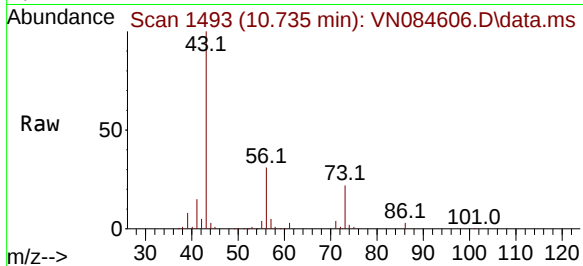




#53
t-1,3-Dichloropropene
Concen: 0.233 ug/l
RT: 10.735 min Scan# 1493
Delta R.T. -0.100 min
Lab File: VN084606.D
Acq: 31 Oct 2024 07:22

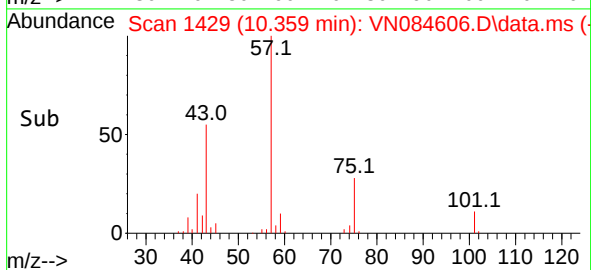
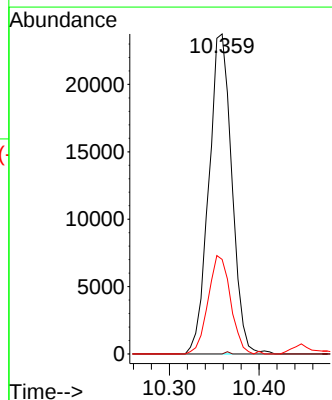
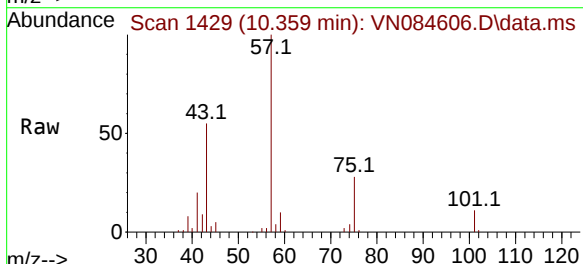
Instrument :
MSVOA_N
ClientSampleId :
PB164501ZHE#15

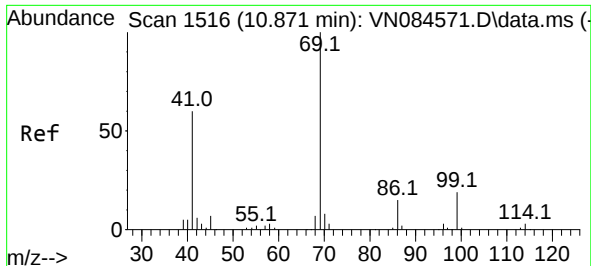
Tgt Ion: 75 Resp: 797
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#



#54
cis-1,3-Dichloropropene
Concen: 11.660 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN084606.D
Acq: 31 Oct 2024 07:22

Tgt Ion: 75 Resp: 42203
Ion Ratio Lower Upper
75 100
77 0.0 24.2 36.2#
39 29.5 38.7 58.1#

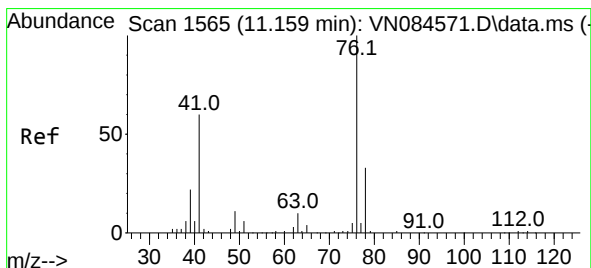
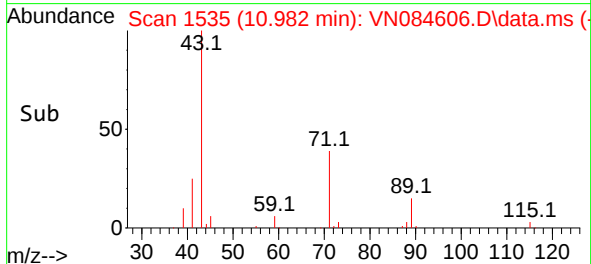
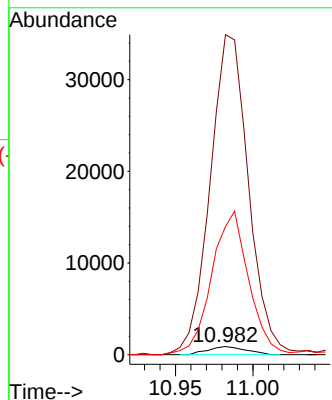
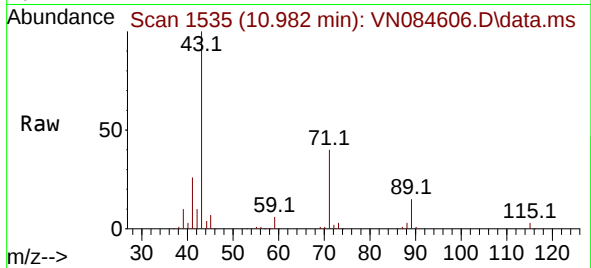




#56
Ethyl methacrylate
Concen: 0.501 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.112 min
Lab File: VN084606.D
Acq: 31 Oct 2024 07:22

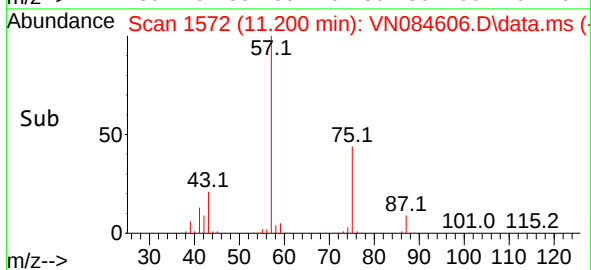
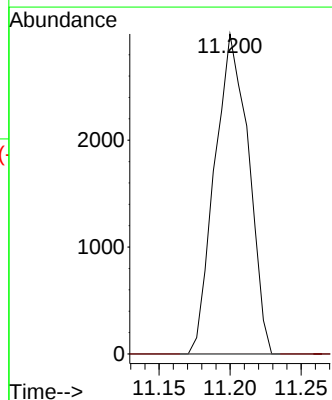
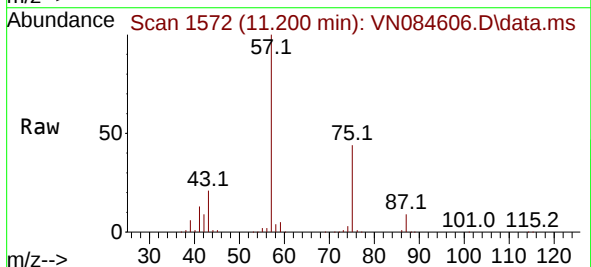
Instrument :
MSVOA_N
ClientSampleId :
PB164501ZHE#15

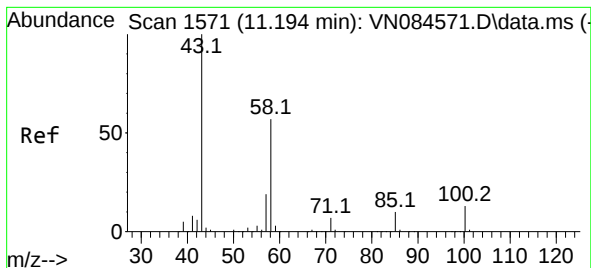
Tgt Ion: 69 Resp: 1511
Ion Ratio Lower Upper
69 100
41 3998.1 53.3 79.9#
39 1721.2 28.8 43.2#



#57
1,3-Dichloropropane
Concen: 1.387 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN084606.D
Acq: 31 Oct 2024 07:22

Tgt Ion: 76 Resp: 4964
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

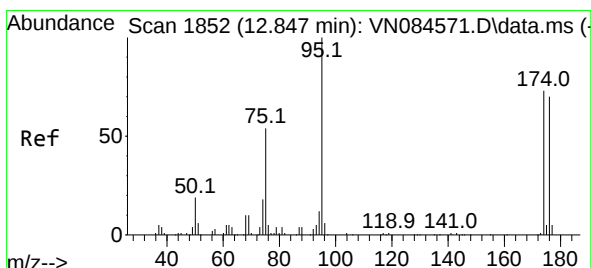
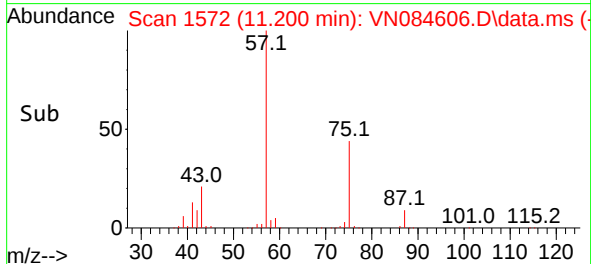
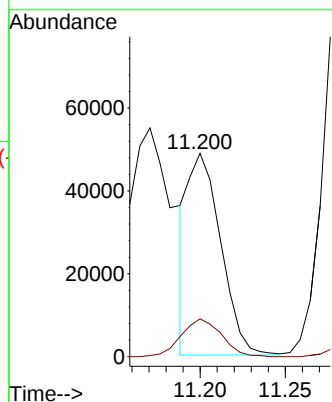
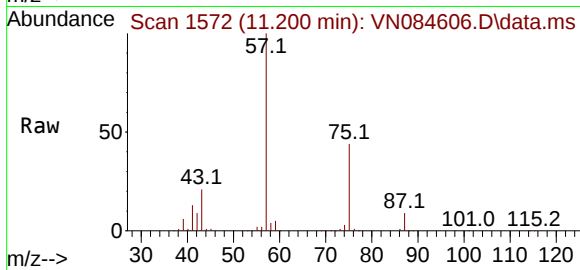




#59
2-Hexanone
Concen: 35.307 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN084606.D
Acq: 31 Oct 2024 07:22

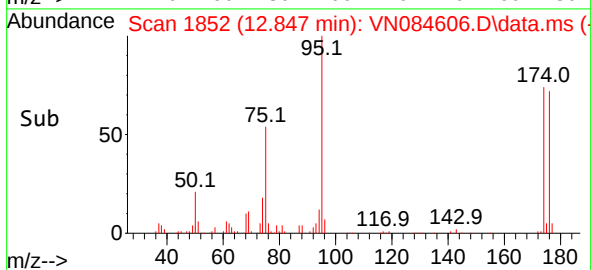
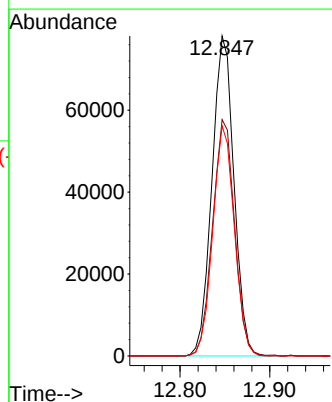
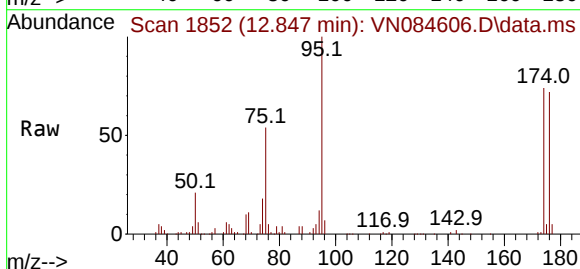
Instrument :
MSVOA_N
ClientSampleId :
PB164501ZHE#15

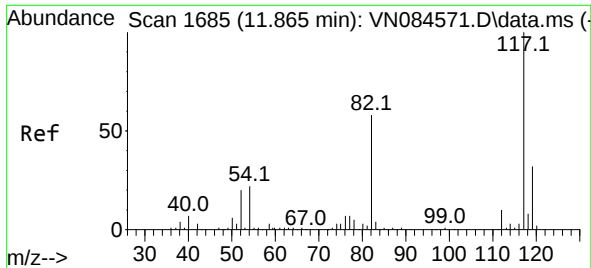
Tgt Ion: 43 Resp: 65537
Ion Ratio Lower Upper
43 100
58 22.9 27.3 81.8#



#62
4-Bromofluorobenzene
Concen: 45.345 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084606.D
Acq: 31 Oct 2024 07:22

Tgt Ion: 95 Resp: 132713
Ion Ratio Lower Upper
95 100
174 74.1 0.0 145.2
176 70.6 0.0 140.0

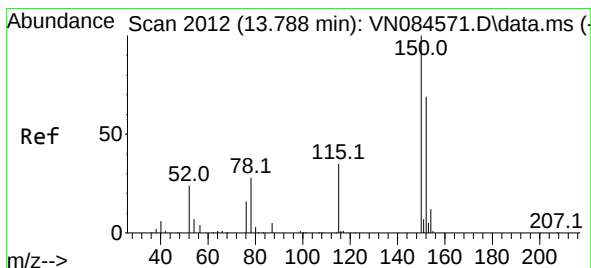
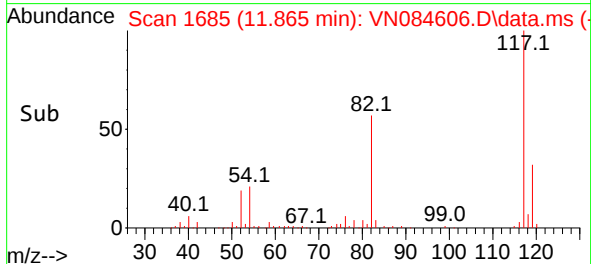
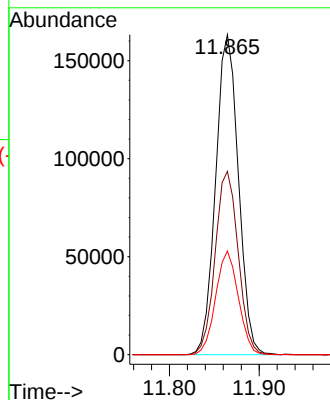
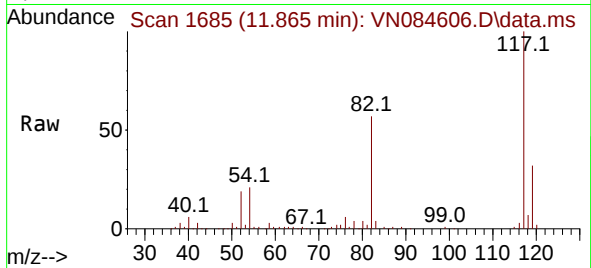




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN084606.D
Acq: 31 Oct 2024 07:22

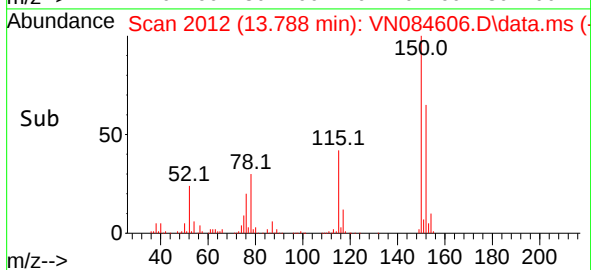
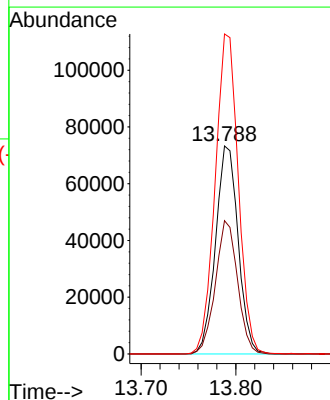
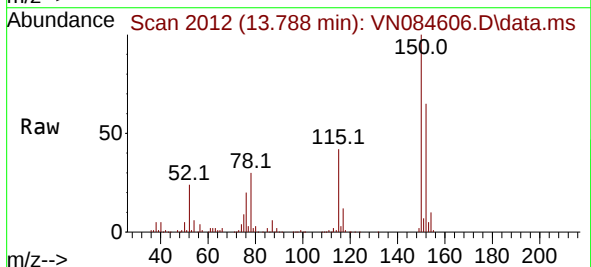
Instrument :
MSVOA_N
ClientSampleId :
PB164501ZHE#15

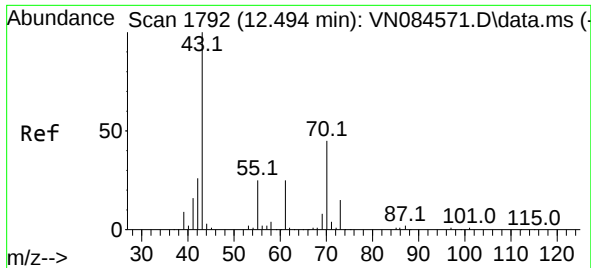
Tgt Ion:117 Resp: 287888
Ion Ratio Lower Upper
117 100
82 57.3 47.2 70.8
119 32.4 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084606.D
Acq: 31 Oct 2024 07:22

Tgt Ion:152 Resp: 121782
Ion Ratio Lower Upper
152 100
115 62.7 31.3 93.9
150 156.8 0.0 349.8

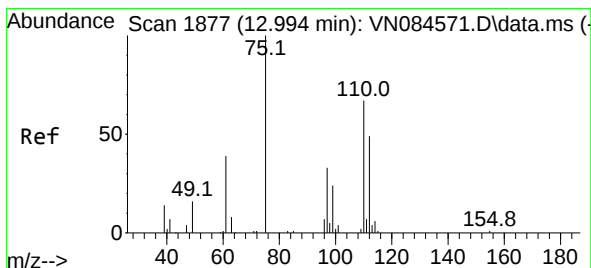
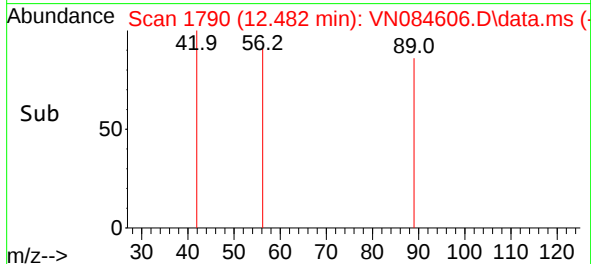
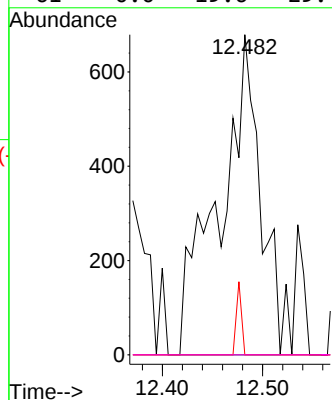
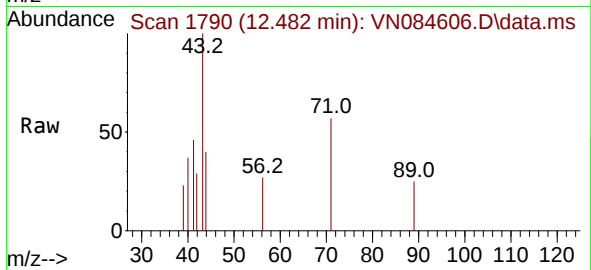




#74
N-amy1 acetate
Concen: 0.533 ug/l
RT: 12.482 min Scan# 1
Delta R.T. -0.012 min
Lab File: VN084606.D
Acq: 31 Oct 2024 07:22

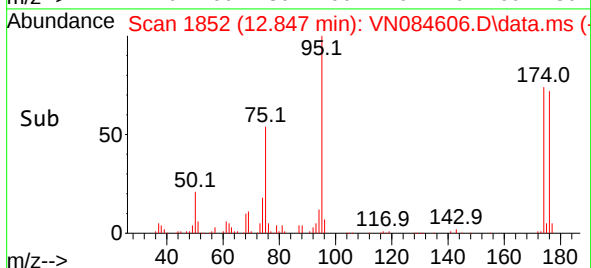
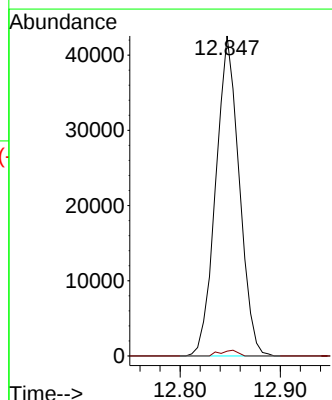
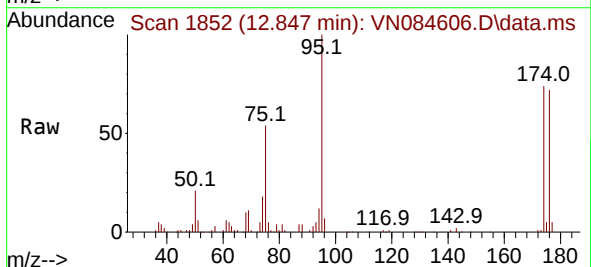
Instrument :
MSVOA_N
ClientSampleId :
PB164501ZHE#15

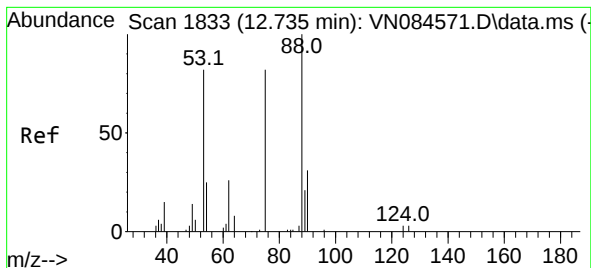
Tgt Ion: 43 Resp: 1935
Ion Ratio Lower Upper
43 100
70 0.0 34.4 51.6#
55 2.8 19.6 29.4#
61 0.0 19.6 29.4#



#76
1,2,3-Trichloropropane
Concen: 28.401 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084606.D
Acq: 31 Oct 2024 07:22

Tgt Ion: 75 Resp: 69138
Ion Ratio Lower Upper
75 100
77 1.4 96.9 290.7#

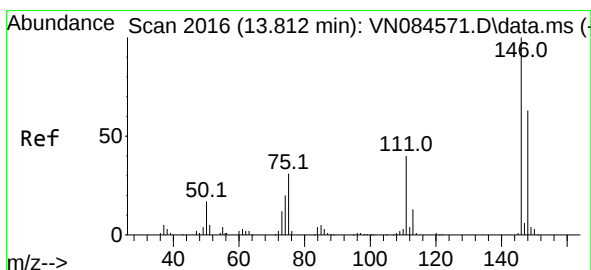
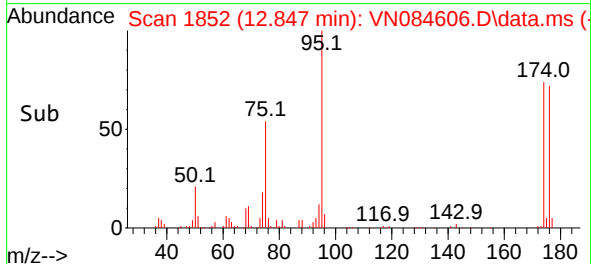
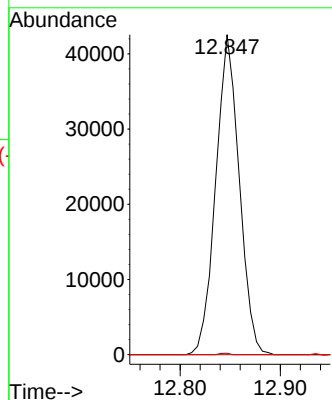
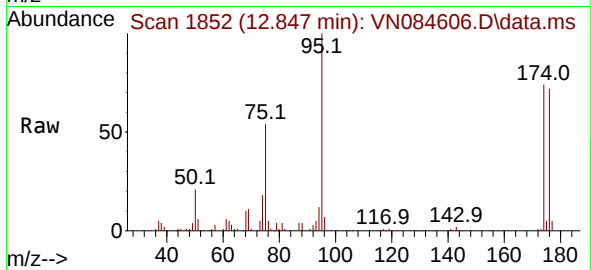




#81
trans-1,4-Dichloro-2-butene
Concen: 67.378 ug/l
RT: 12.847 min Scan# 1833
Delta R.T. 0.112 min
Lab File: VN084606.D
Acq: 31 Oct 2024 07:22

Instrument :
MSVOA_N
ClientSampleId :
PB164501ZHE#15

Tgt Ion: 75 Resp: 69138
Ion Ratio Lower Upper
75 100
53 0.2 78.0 117.0#
89 0.0 35.5 53.3#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084606.D
Acq: 31 Oct 2024 07:22

Tgt Ion:146 Resp: 55
Ion Ratio Lower Upper
146 100
111 2836.4 21.2 63.6#
148 421.8 31.9 95.9#

