

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110424\
 Data File : VN084665.D
 Acq On : 04 Nov 2024 18:18
 Operator : JC\MD
 Sample : P4667-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 05 00:32:22 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

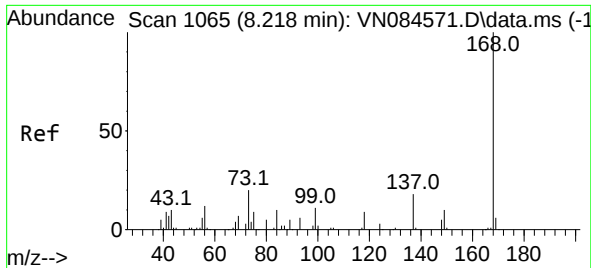
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	191739	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	332556	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	303191	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	136299	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	129205	46.655	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.320%		
35) Dibromofluoromethane	8.159	113	104819	46.565	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.140%		
50) Toluene-d8	10.565	98	392698	47.359	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.720%		
62) 4-Bromofluorobenzene	12.847	95	150909	48.696	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	97.400%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	739	Below Cal	#	41
6) Chloroethane	3.165	64	252	Below Cal	#	45
11) Tert butyl alcohol	5.483	59	4506	12.327	ug/l #	73
16) Acetone	4.430	43	43545	52.177	ug/l	92
18) Methyl Acetate	5.030	43	6413	Below Cal	#	88
20) Methylene Chloride	5.277	84	2539	1.042	ug/l #	67
25) 2-Butanone	7.483	43	2427	1.878	ug/l #	89
29) Tetrahydrofuran	7.835	42	308	0.359	ug/l #	68
31) Cyclohexane	8.218	56	4142	1.083	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	15367	4.922	ug/l #	51
37) Ethyl Acetate	7.559	43	3146	1.111	ug/l #	75
38) Carbon Tetrachloride	8.218	117	21123	6.053	ug/l #	15
43) Isopropyl Acetate	8.688	43	154984	29.217	ug/l #	83
45) 1,2-Dichloropropane	9.747	63	1205	0.512	ug/l #	44
48) Methyl methacrylate	9.665	41	2864	1.299	ug/l #	42
51) 4-Methyl-2-Pentanone	10.447	43	4382	1.623	ug/l	94
54) cis-1,3-Dichloropropene	10.359	75	37144	9.692	ug/l #	63
56) Ethyl methacrylate	10.988	69	1002	0.314	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4596	1.212	ug/l #	42
59) 2-Hexanone	11.200	43	56426	28.710	ug/l #	58
76) 1,2,3-Trichloropropane	12.847	75	78166	28.690	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	78166	68.063	ug/l #	11
88) 1,4-Dichlorobenzene	13.806	146	69	Below Cal	#	1
95) Naphthalene	15.641	128	30586	3.877	ug/l	98

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

Quant Time: Nov 05 00:32:22 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

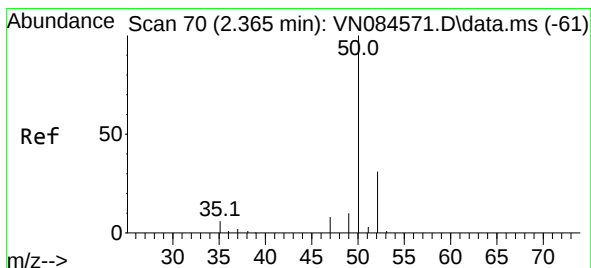
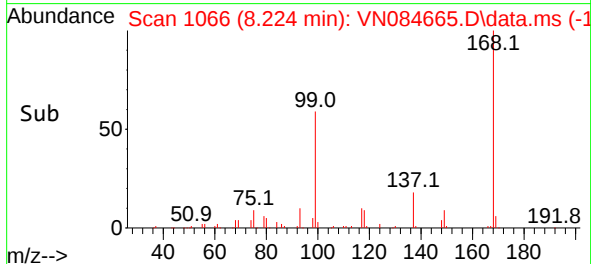
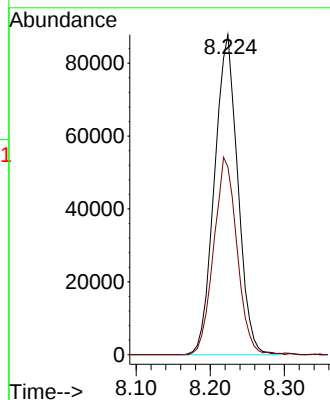
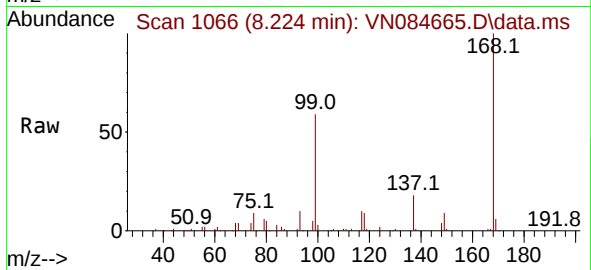




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084665.D
Acq: 04 Nov 2024 18:18

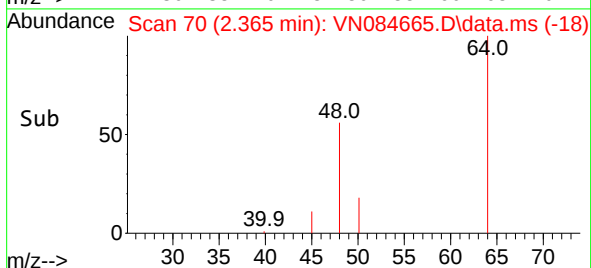
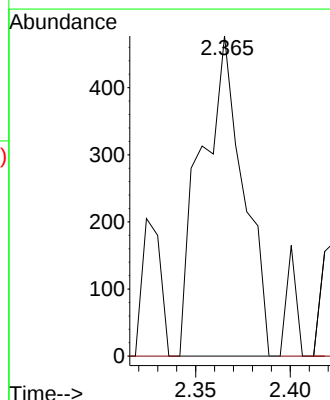
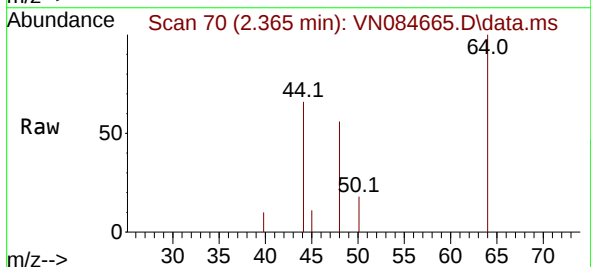
Instrument :
MSVOA_N
ClientSampleId :

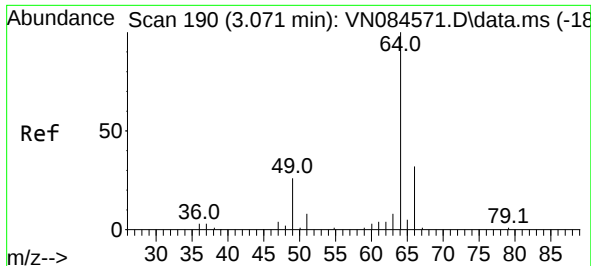
Tgt Ion:168 Resp: 191739
Ion Ratio Lower Upper
168 100
99 58.7 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084665.D
Acq: 04 Nov 2024 18:18

Tgt Ion: 50 Resp: 739
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

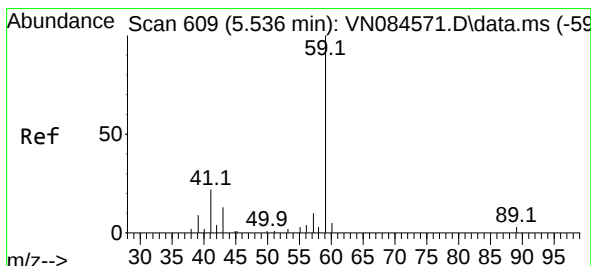
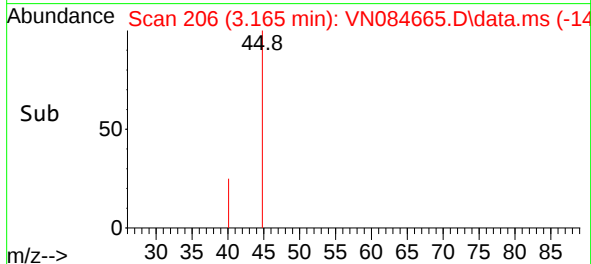
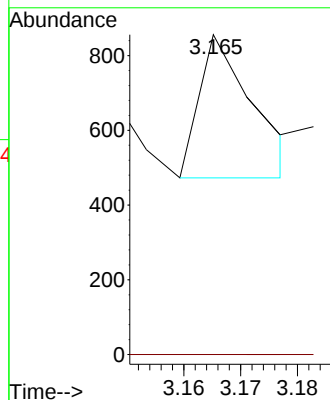
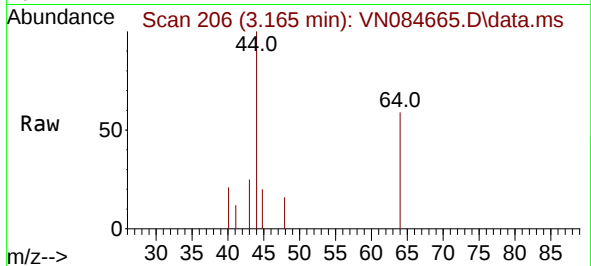




#6
Chloroethane
Concen: Below Cal
RT: 3.165 min Scan# 206
Delta R.T. 0.047 min
Lab File: VN084665.D
Acq: 04 Nov 2024 18:18

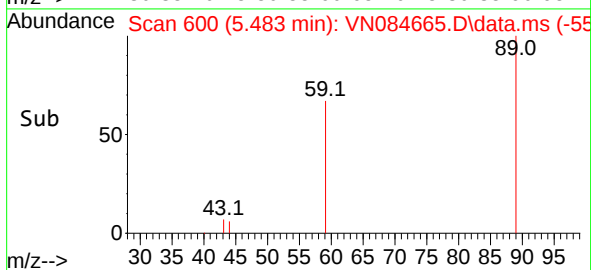
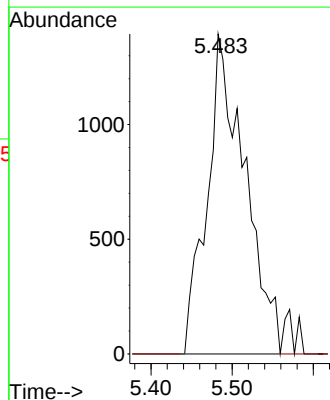
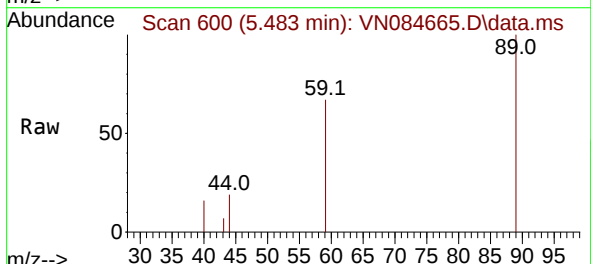
Instrument :
MSVOA_N
ClientSampleId :

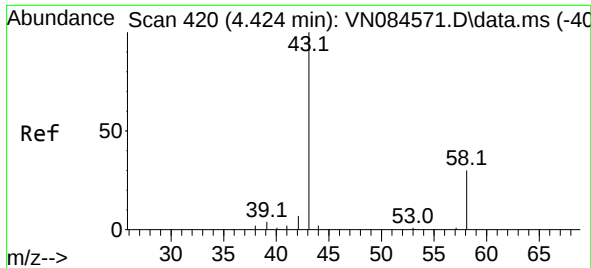
Tgt Ion: 64 Resp: 252
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 12.327 ug/l
RT: 5.483 min Scan# 600
Delta R.T. -0.041 min
Lab File: VN084665.D
Acq: 04 Nov 2024 18:18

Tgt Ion: 59 Resp: 4506
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

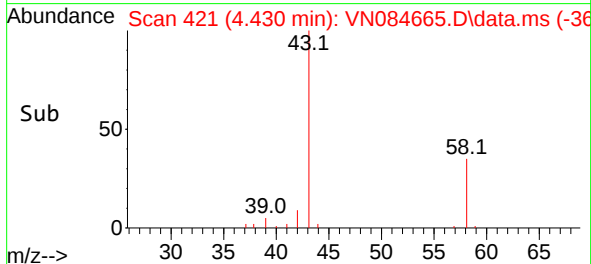
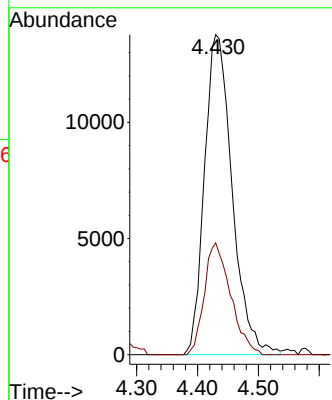
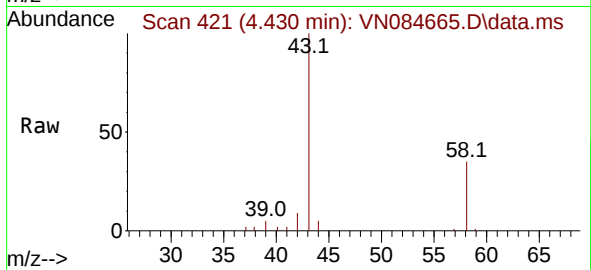




#16
Acetone
Concen: 52.177 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN084665.D
Acq: 04 Nov 2024 18:18

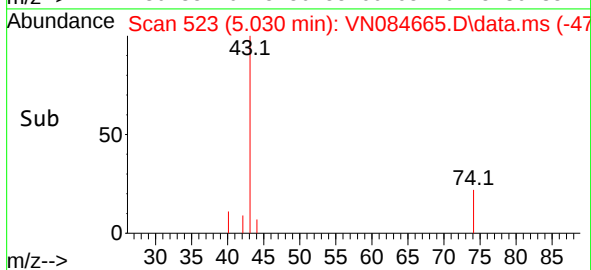
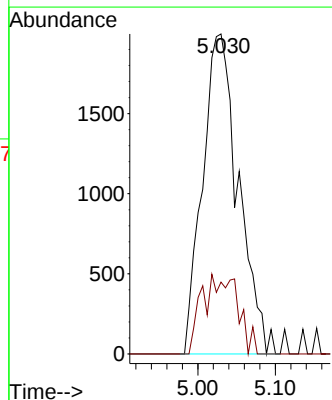
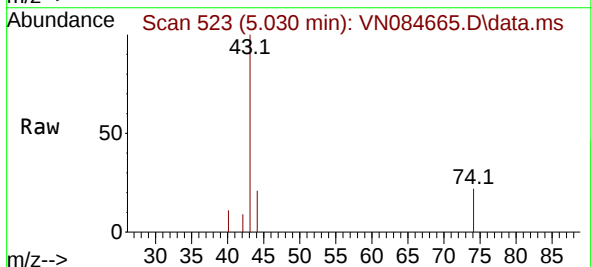
Instrument :
MSVOA_N
ClientSampleId :

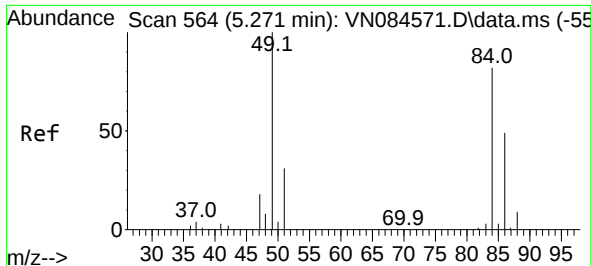
Tgt Ion: 43 Resp: 43545
Ion Ratio Lower Upper
43 100
58 34.9 24.4 36.6



#18
Methyl Acetate
Concen: Below Cal
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN084665.D
Acq: 04 Nov 2024 18:18

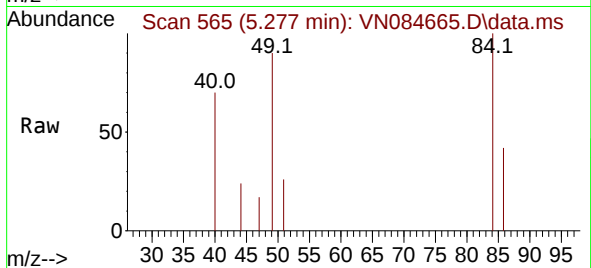
Tgt Ion: 43 Resp: 6413
Ion Ratio Lower Upper
43 100
74 18.2 19.2 28.8#





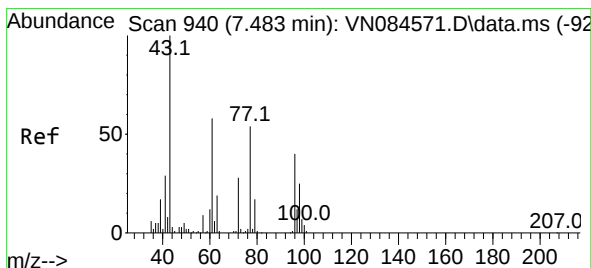
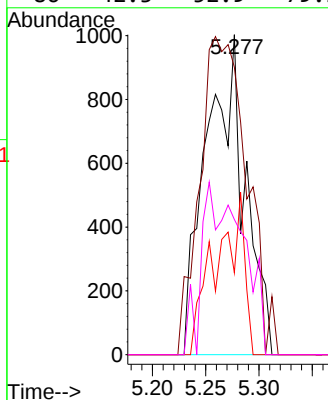
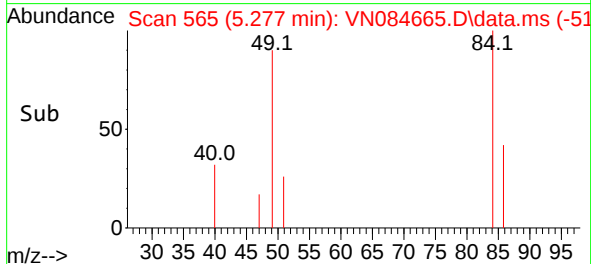
#20
Methylene Chloride
Concen: 1.042 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN084665.D
Acq: 04 Nov 2024 18:18

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 2539

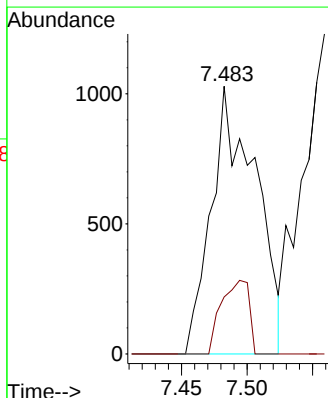
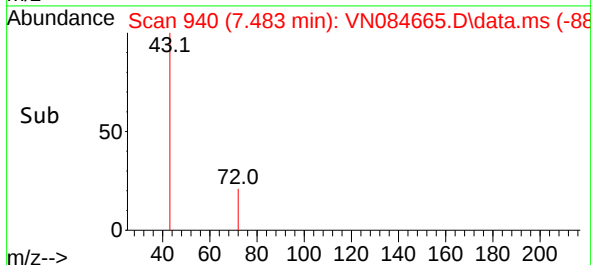
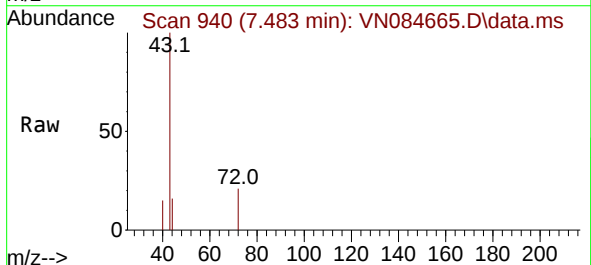
Ion	Ratio	Lower	Upper
84	100		
49	89.8	107.2	160.8#
51	25.6	31.8	47.8#
86	42.3	52.9	79.3#

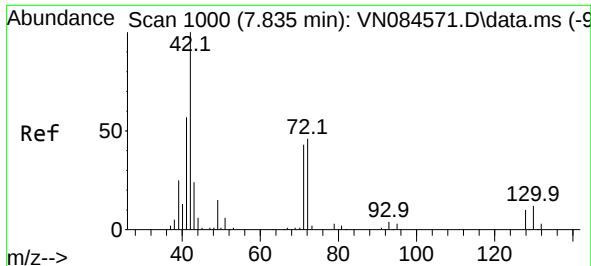


#25
2-Butanone
Concen: 1.878 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN084665.D
Acq: 04 Nov 2024 18:18

Tgt Ion: 43 Resp: 2427

Ion	Ratio	Lower	Upper
43	100		
72	21.3	21.4	32.2#





#29

Tetrahydrofuran

Concen: 0.359 ug/l

RT: 7.835 min Scan# 1000

Delta R.T. -0.000 min

Lab File: VN084665.D

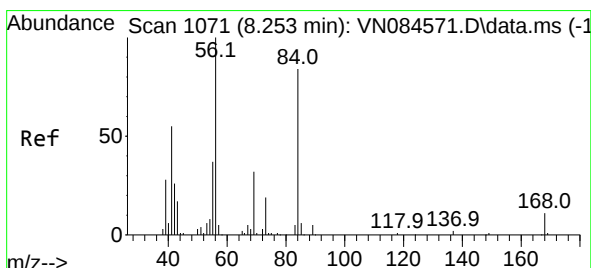
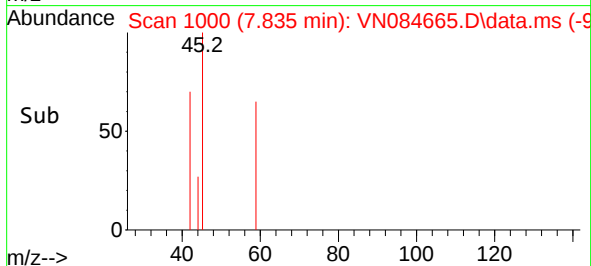
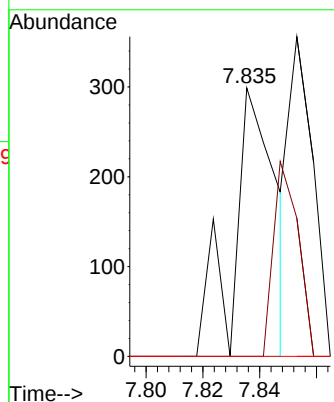
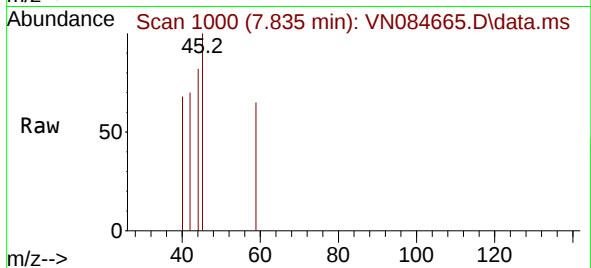
Acq: 04 Nov 2024 18:18

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 42	Resp:	308
Ion	Ratio	Lower Upper
42	100	
72	42.5	34.6 51.8
71	0.0	32.2 48.4#



#31

Cyclohexane

Concen: 1.083 ug/l

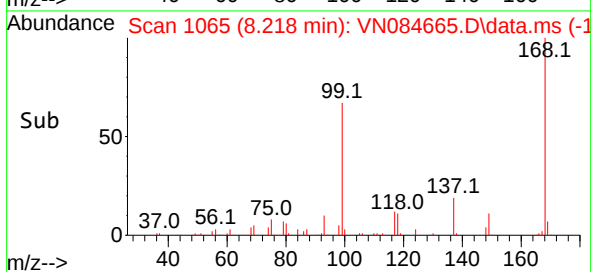
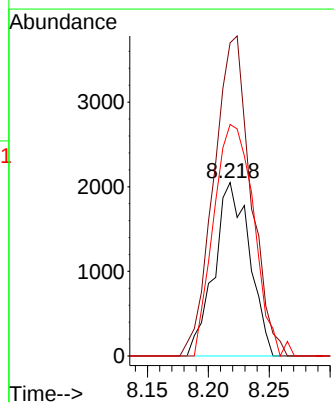
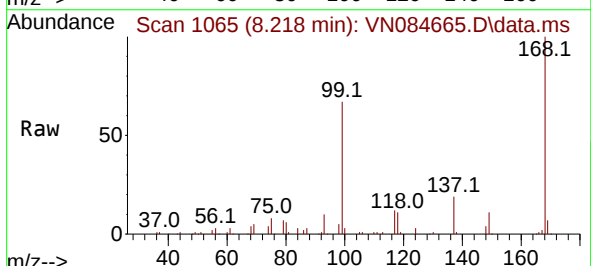
RT: 8.218 min Scan# 1065

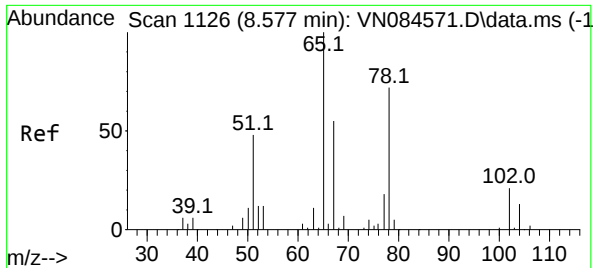
Delta R.T. -0.035 min

Lab File: VN084665.D

Acq: 04 Nov 2024 18:18

Tgt Ion: 56	Resp:	4142
Ion	Ratio	Lower Upper
56	100	
69	180.5	23.8 35.6#
84	133.5	68.8 103.2#

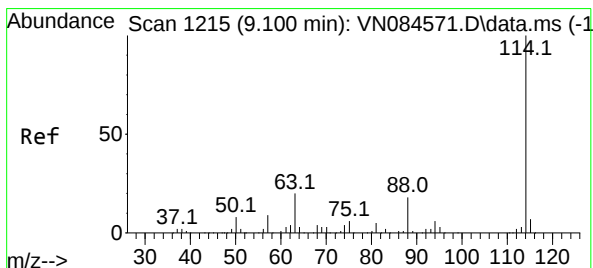
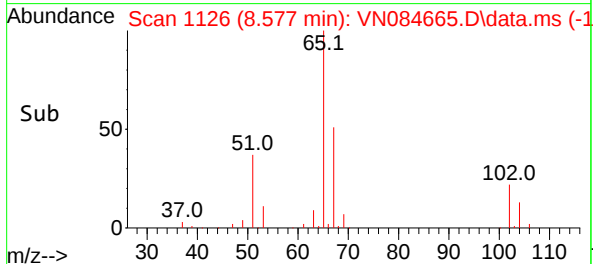
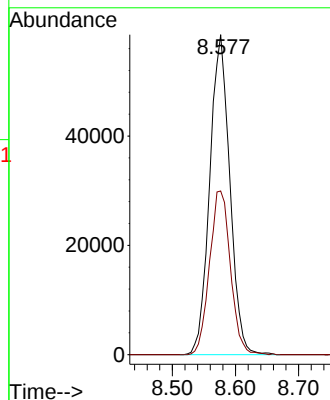
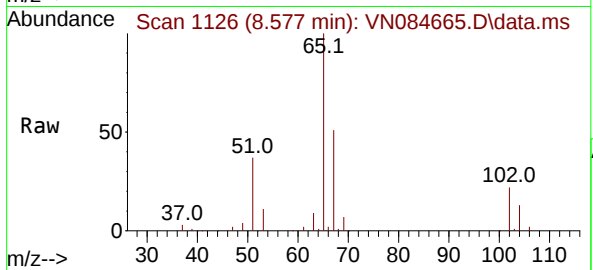




#33
1,2-Dichloroethane-d4
Concen: 46.655 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084665.D
Acq: 04 Nov 2024 18:18

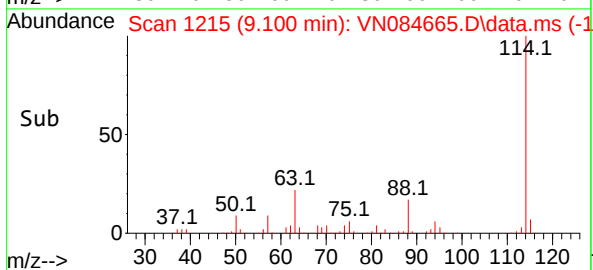
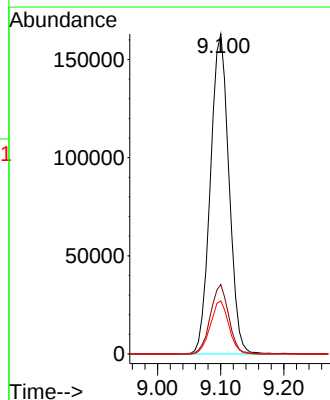
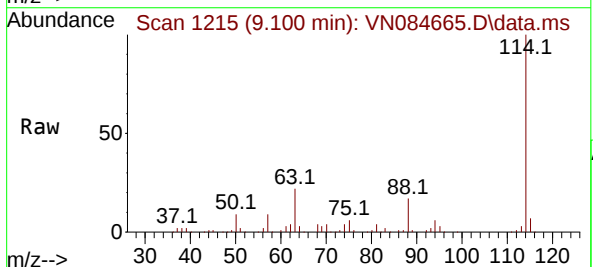
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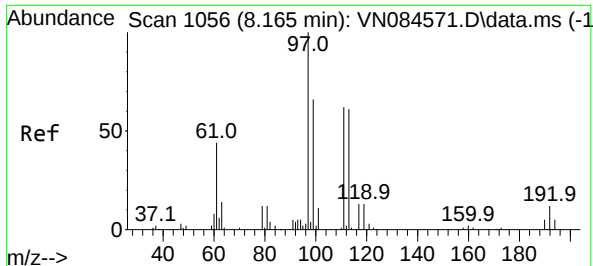
Tgt Ion: 65 Resp: 129205
Ion Ratio Lower Upper
65 100
67 53.4 0.0 102.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084665.D
Acq: 04 Nov 2024 18:18

Tgt Ion: 114 Resp: 332556
Ion Ratio Lower Upper
114 100
63 21.7 0.0 43.8
88 16.5 0.0 31.6





#35

Dibromofluoromethane

Concen: 46.565 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

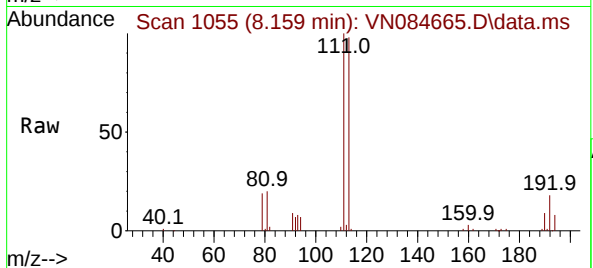
Lab File: VN084665.D

Acq: 04 Nov 2024 18:18

Instrument :

MSVOA_N

ClientSampleId :



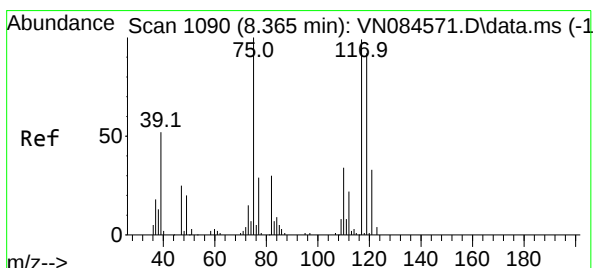
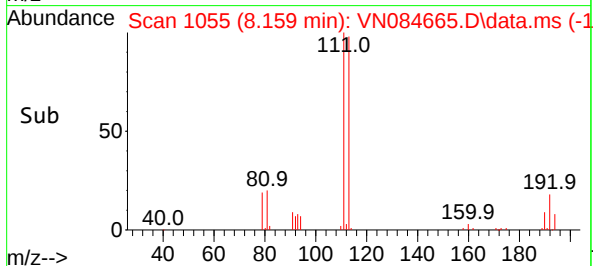
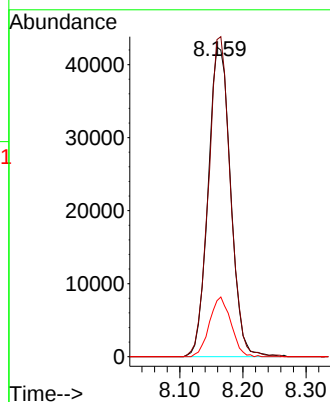
Tgt Ion:113 Resp: 104819

Ion Ratio Lower Upper

113 100

111 100.6 83.3 124.9

192 18.4 13.5 20.3



#36

1,1-Dichloropropene

Concen: 4.922 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN084665.D

Acq: 04 Nov 2024 18:18

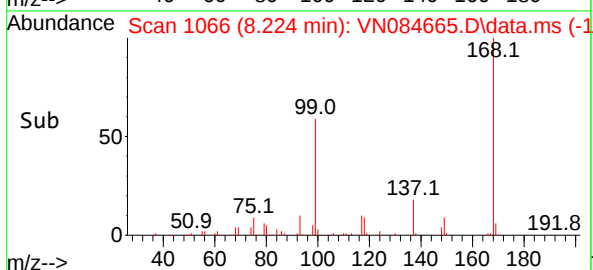
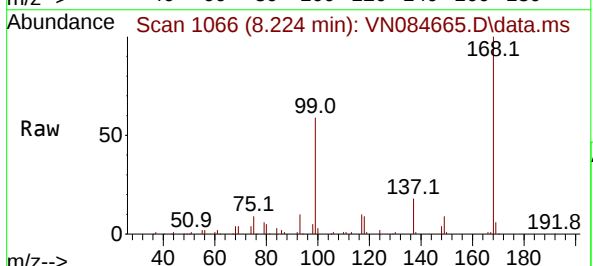
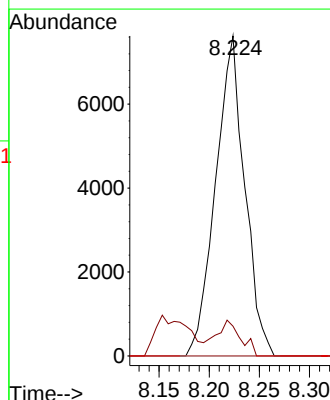
Tgt Ion: 75 Resp: 15367

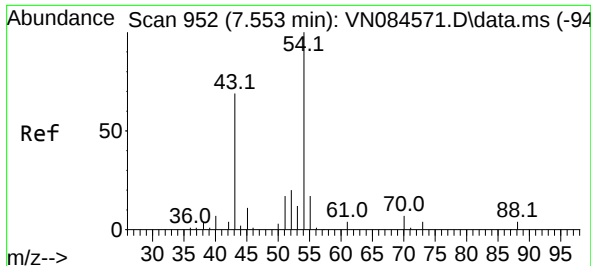
Ion Ratio Lower Upper

75 100

110 9.5 16.9 50.7#

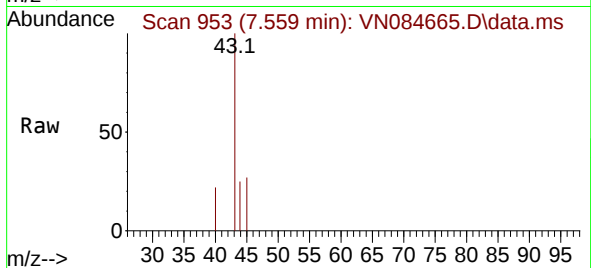
77 0.0 24.7 37.1#



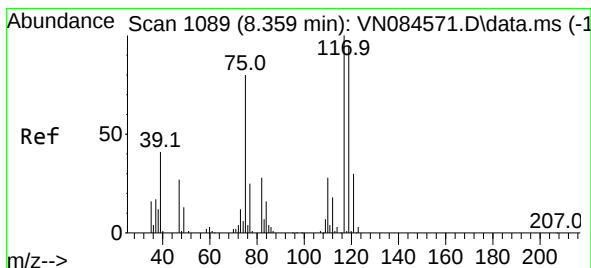
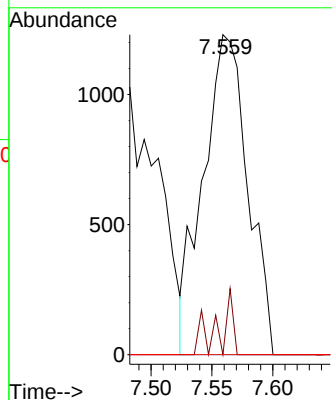
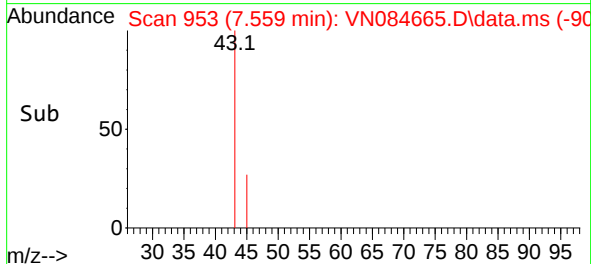


#37
Ethyl Acetate
Concen: 1.111 ug/l
RT: 7.559 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN084665.D
Acq: 04 Nov 2024 18:18

Instrument :
MSVOA_N
ClientSampleId :

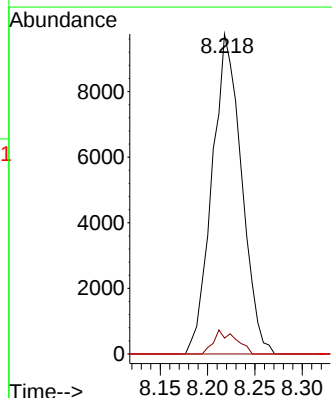
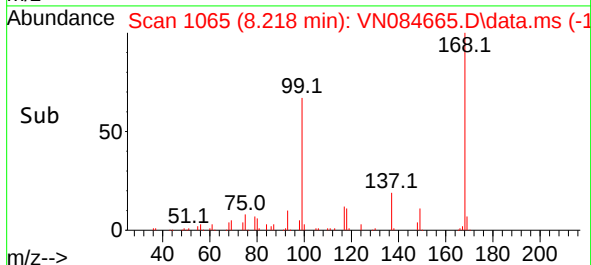
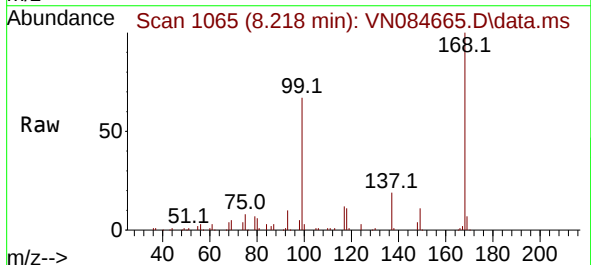


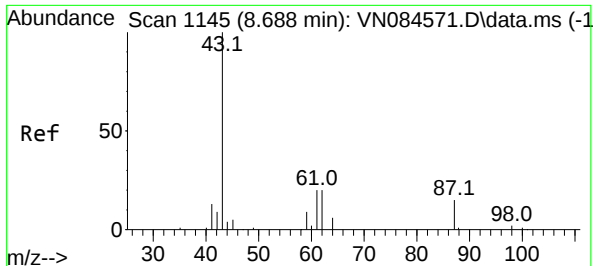
Tgt Ion: 43 Resp: 3146
Ion Ratio Lower Upper
43 100
61 4.5 10.7 16.1#
70 0.0 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 6.053 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN084665.D
Acq: 04 Nov 2024 18:18

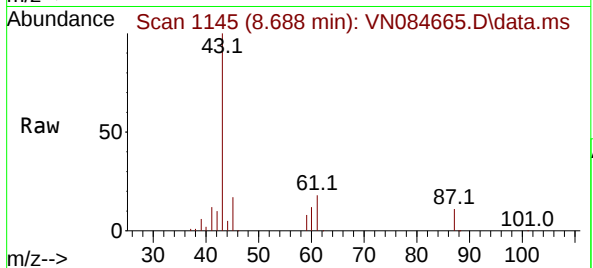
Tgt Ion: 117 Resp: 21123
Ion Ratio Lower Upper
117 100
119 5.0 78.7 118.1#
121 0.0 24.4 36.6#



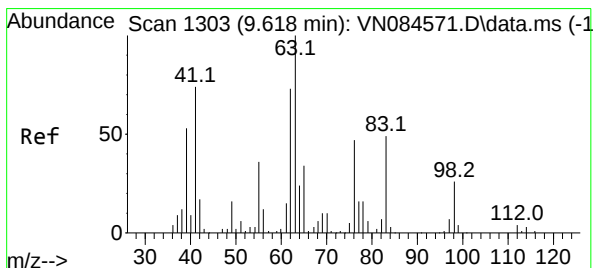
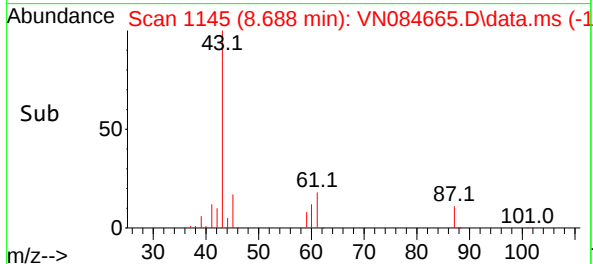
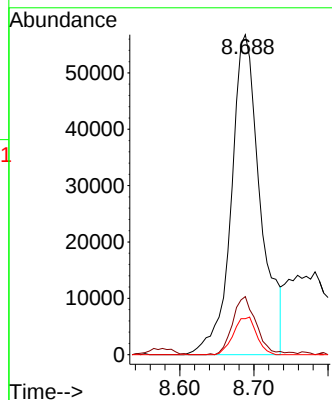


#43
Isopropyl Acetate
Concen: 29.217 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084665.D
Acq: 04 Nov 2024 18:18

Instrument :
MSVOA_N
ClientSampleId :

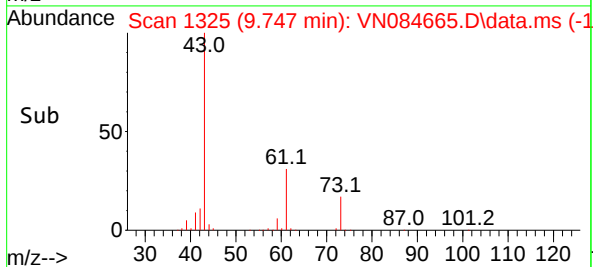
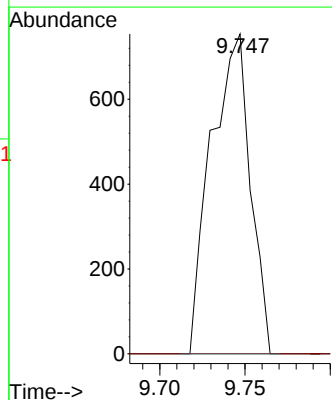
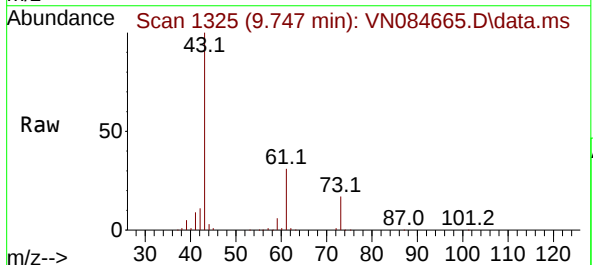


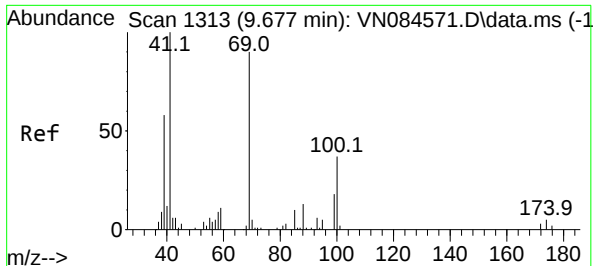
Tgt Ion: 43 Resp: 154984
Ion Ratio Lower Upper
43 100
61 14.9 20.4 30.6#
87 9.3 10.3 15.5#



#45
1,2-Dichloropropane
Concen: 0.512 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.129 min
Lab File: VN084665.D
Acq: 04 Nov 2024 18:18

Tgt Ion: 63 Resp: 1205
Ion Ratio Lower Upper
63 100
65 0.0 24.6 37.0#





#48

Methyl methacrylate

Concen: 1.299 ug/l

RT: 9.665 min Scan# 11

Delta R.T. -0.012 min

Lab File: VN084665.D

Acq: 04 Nov 2024 18:18

Instrument :

MSVOA_N

ClientSampleId :

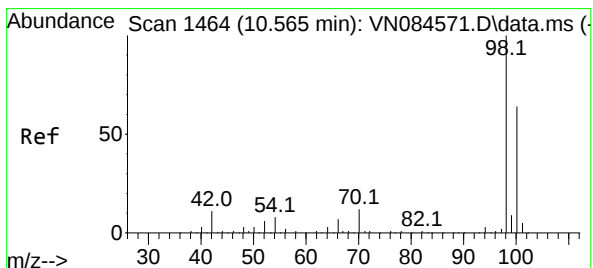
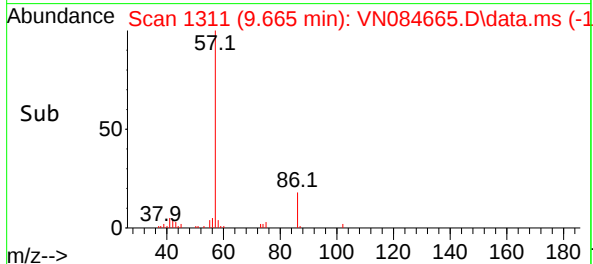
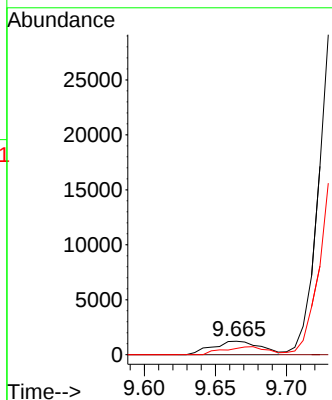
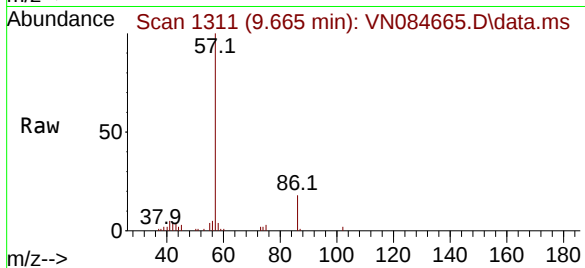
Tgt Ion: 41 Resp: 2864

Ion Ratio Lower Upper

41 100

69 0.0 67.1 100.7#

39 52.5 45.8 68.6



#50

Toluene-d8

Concen: 47.359 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084665.D

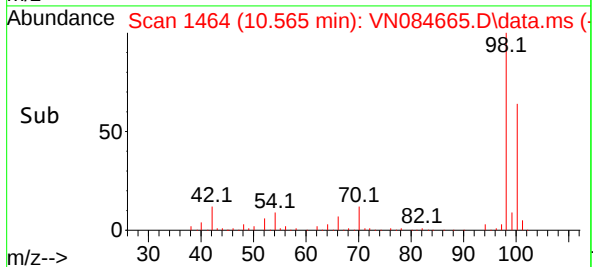
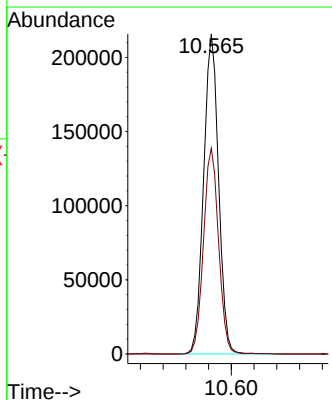
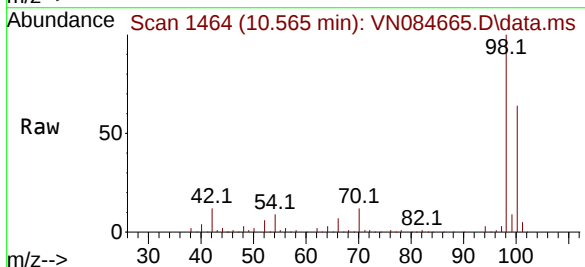
Acq: 04 Nov 2024 18:18

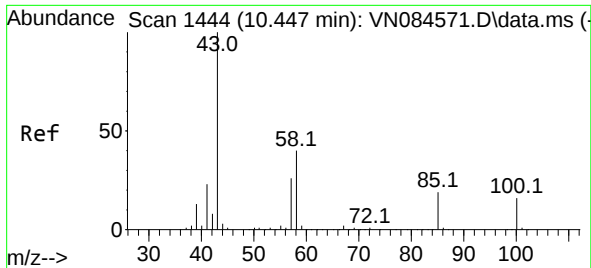
Tgt Ion: 98 Resp: 392698

Ion Ratio Lower Upper

98 100

100 64.6 52.7 79.1

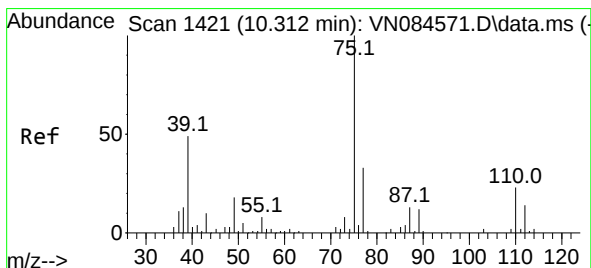
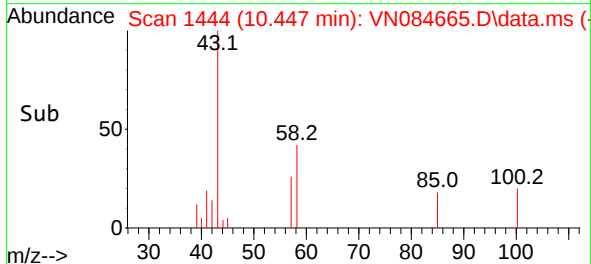
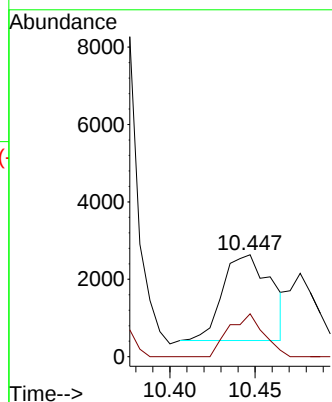
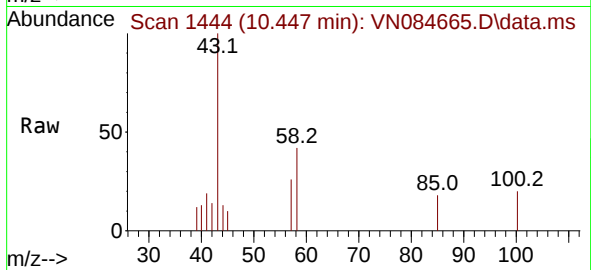




#51
4-Methyl-2-Pentanone
Concen: 1.623 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN084665.D
Acq: 04 Nov 2024 18:18

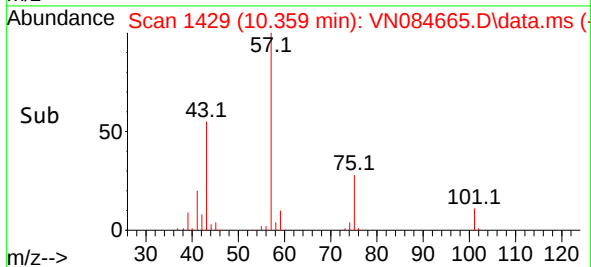
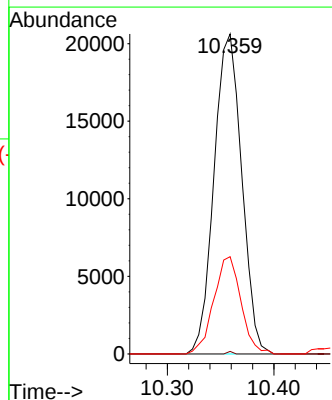
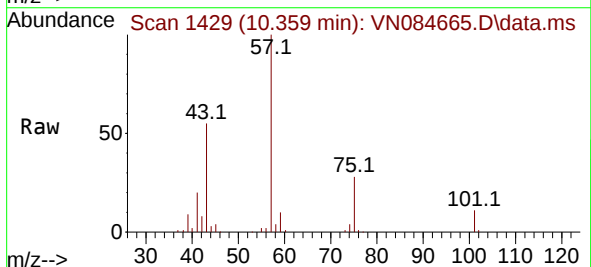
Instrument :
MSVOA_N
ClientSampleId :

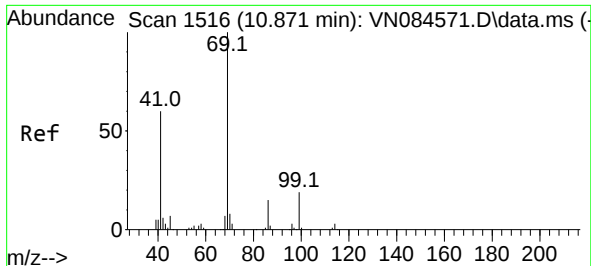
Tgt Ion: 43 Resp: 4382
Ion Ratio Lower Upper
43 100
58 36.1 31.6 47.4



#54
cis-1,3-Dichloropropene
Concen: 9.692 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN084665.D
Acq: 04 Nov 2024 18:18

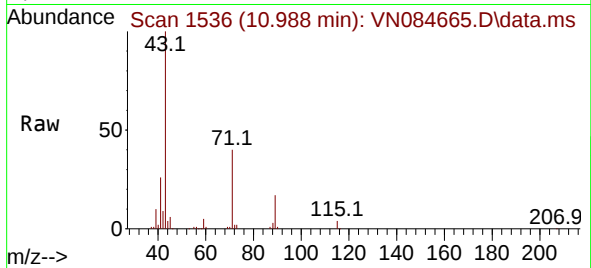
Tgt Ion: 75 Resp: 37144
Ion Ratio Lower Upper
75 100
77 0.8 24.2 36.2#
39 30.4 38.7 58.1#



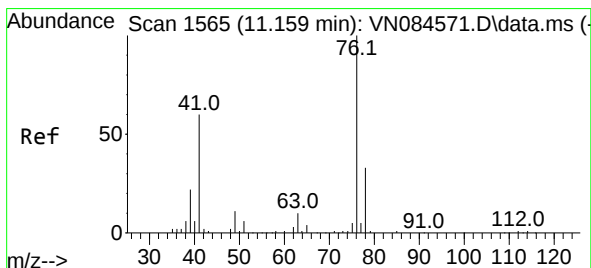
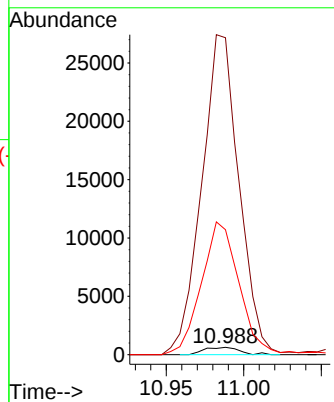
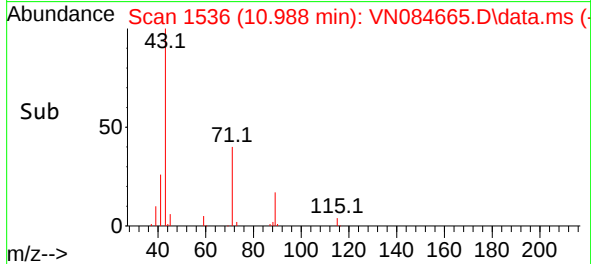


#56
Ethyl methacrylate
Concen: 0.314 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.118 min
Lab File: VN084665.D
Acq: 04 Nov 2024 18:18

Instrument :
MSVOA_N
ClientSampleId :

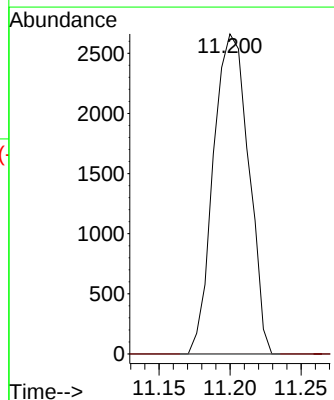
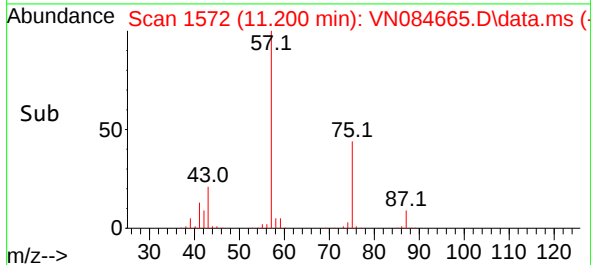
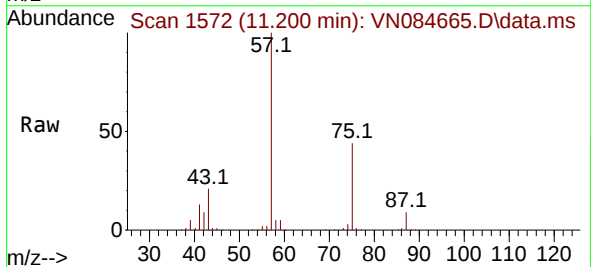


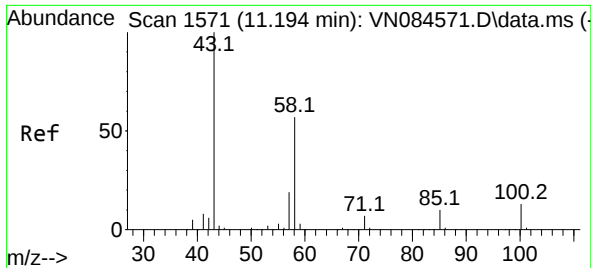
Tgt Ion: 69 Resp: 1002
Ion Ratio Lower Upper
69 100
41 4593.3 53.3 79.9#
39 1928.5 28.8 43.2#



#57
1,3-Dichloropropane
Concen: 1.212 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN084665.D
Acq: 04 Nov 2024 18:18

Tgt Ion: 76 Resp: 4596
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

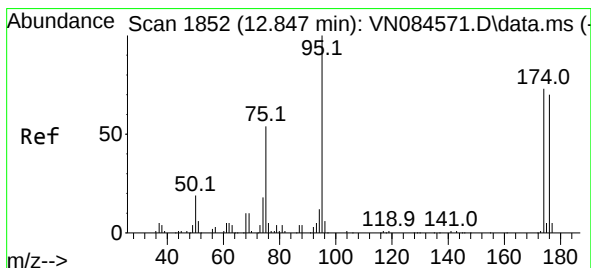
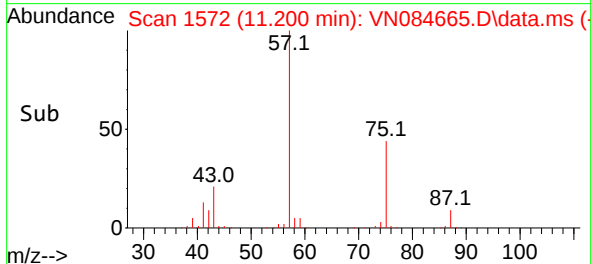
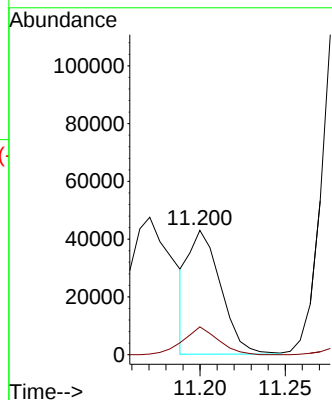
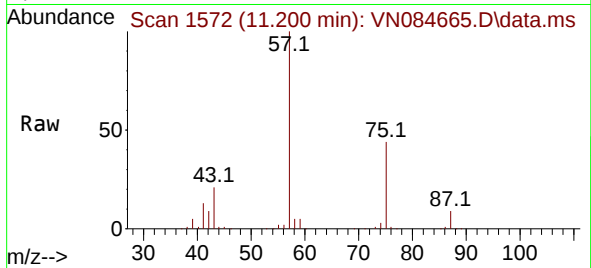




#59
2-Hexanone
Concen: 28.710 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN084665.D
Acq: 04 Nov 2024 18:18

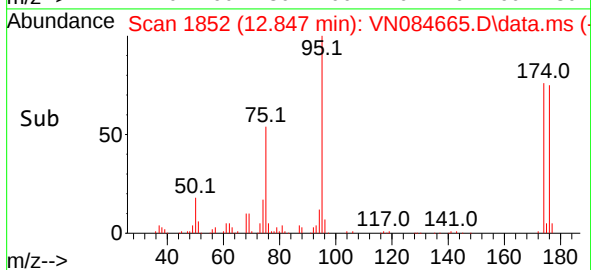
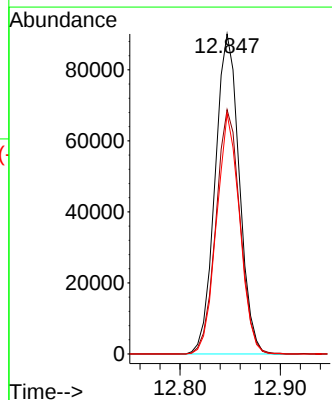
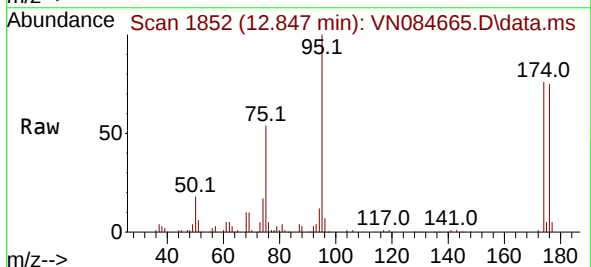
Instrument :
MSVOA_N
ClientSampleId :

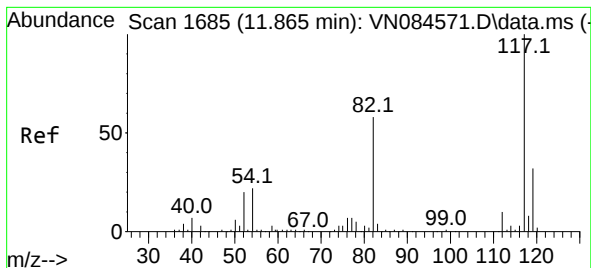
Tgt Ion: 43 Resp: 56426
Ion Ratio Lower Upper
43 100
58 24.5 27.3 81.8#



#62
4-Bromofluorobenzene
Concen: 48.696 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084665.D
Acq: 04 Nov 2024 18:18

Tgt Ion: 95 Resp: 150909
Ion Ratio Lower Upper
95 100
174 76.3 0.0 145.2
176 71.9 0.0 140.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN084665.D

Acq: 04 Nov 2024 18:18

Instrument :

MSVOA_N

ClientSampleId :

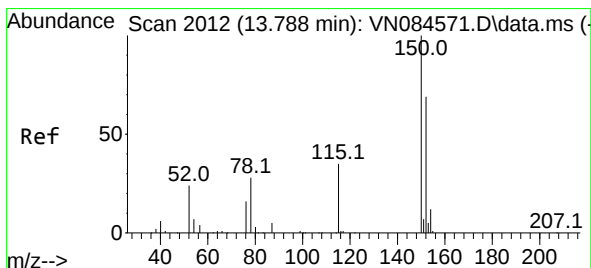
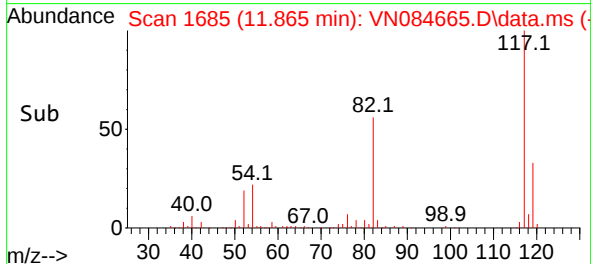
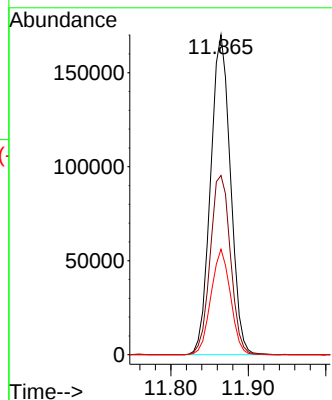
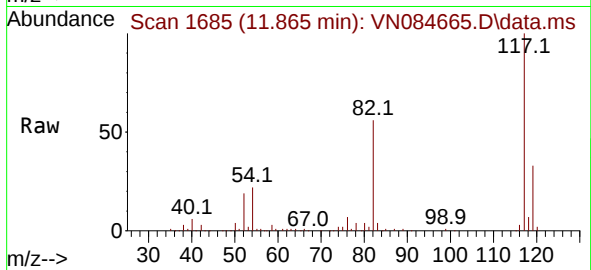
Tgt Ion:117 Resp: 303191

Ion Ratio Lower Upper

117 100

82 56.0 47.2 70.8

119 32.9 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.006 min

Lab File: VN084665.D

Acq: 04 Nov 2024 18:18

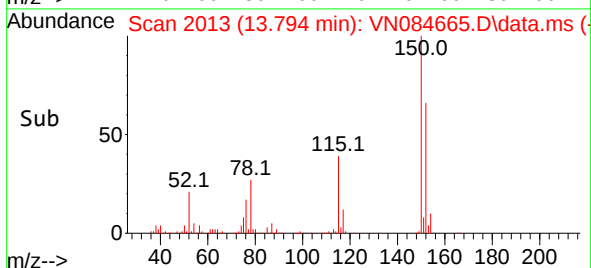
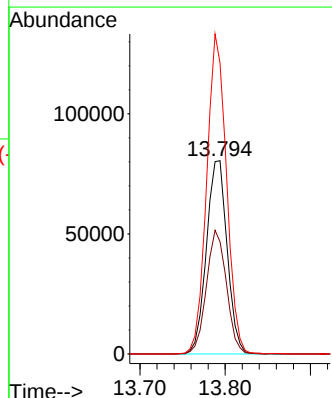
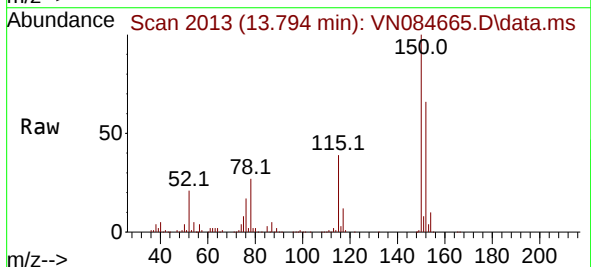
Tgt Ion:152 Resp: 136299

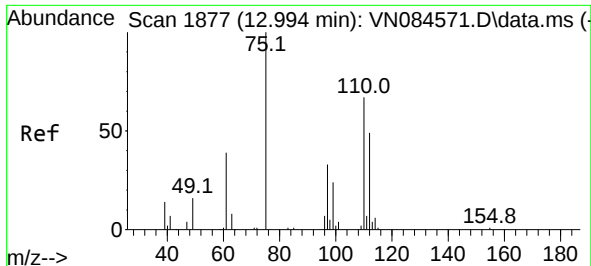
Ion Ratio Lower Upper

152 100

115 61.8 31.3 93.9

150 157.4 0.0 349.8

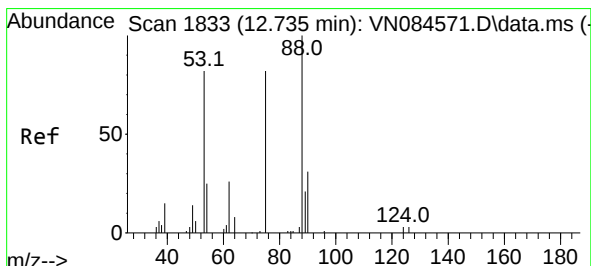
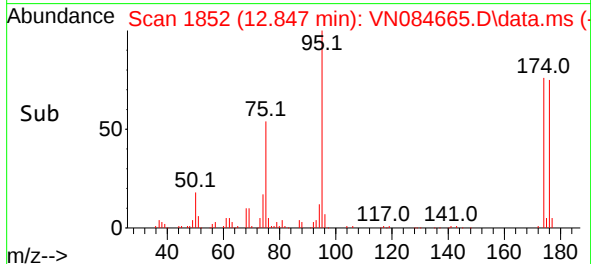
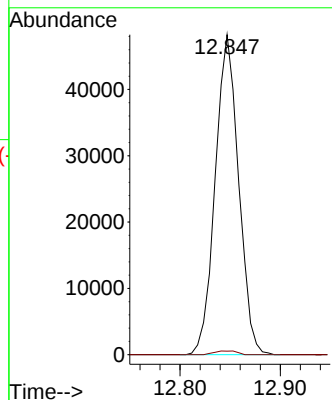
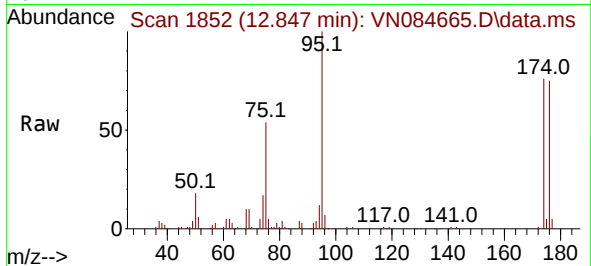




#76
1,2,3-Trichloropropane
Concen: 28.690 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084665.D
Acq: 04 Nov 2024 18:18

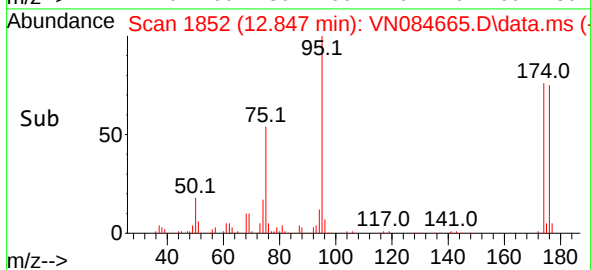
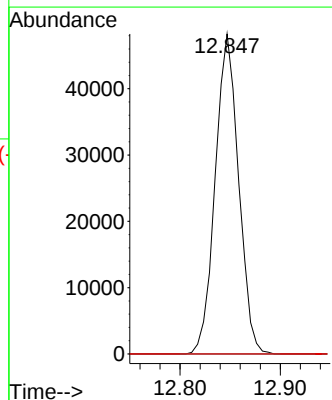
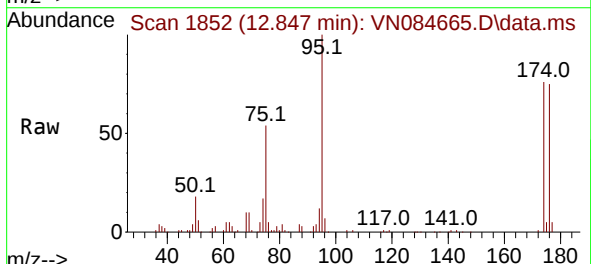
Instrument :
MSVOA_N
ClientSampleId :

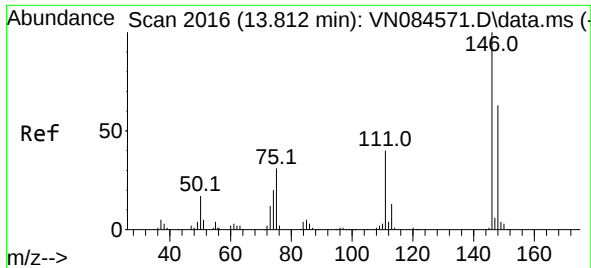
Tgt Ion: 75 Resp: 78166
Ion Ratio Lower Upper
75 100
77 1.1 96.9 290.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.063 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084665.D
Acq: 04 Nov 2024 18:18

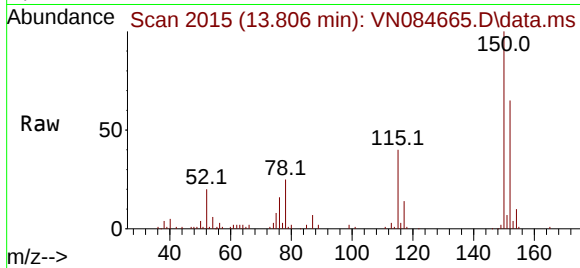
Tgt Ion: 75 Resp: 78166
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#



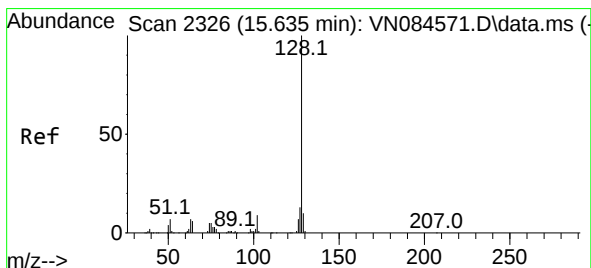
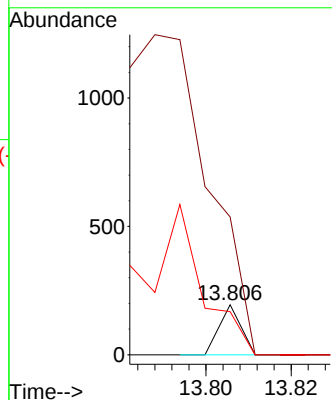
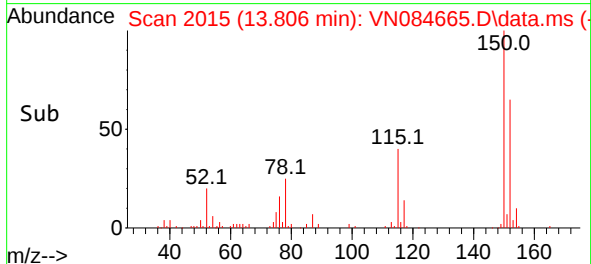


#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.806 min Scan# 2016
Delta R.T. -0.006 min
Lab File: VN084665.D
Acq: 04 Nov 2024 18:18

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:146 Resp: 69
Ion Ratio Lower Upper
146 100
111 2934.8 21.2 63.6#
148 875.4 31.9 95.9#



#95
Naphthalene
Concen: 3.877 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN084665.D
Acq: 04 Nov 2024 18:18

Tgt Ion:128 Resp: 30586
Ion Ratio Lower Upper
128 100
127 11.6 10.5 15.7
129 11.0 8.7 13.1

