

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110424\
 Data File : VN084666.D
 Acq On : 04 Nov 2024 18:42
 Operator : JC\MD
 Sample : P4667-16
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 05 00:32:53 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

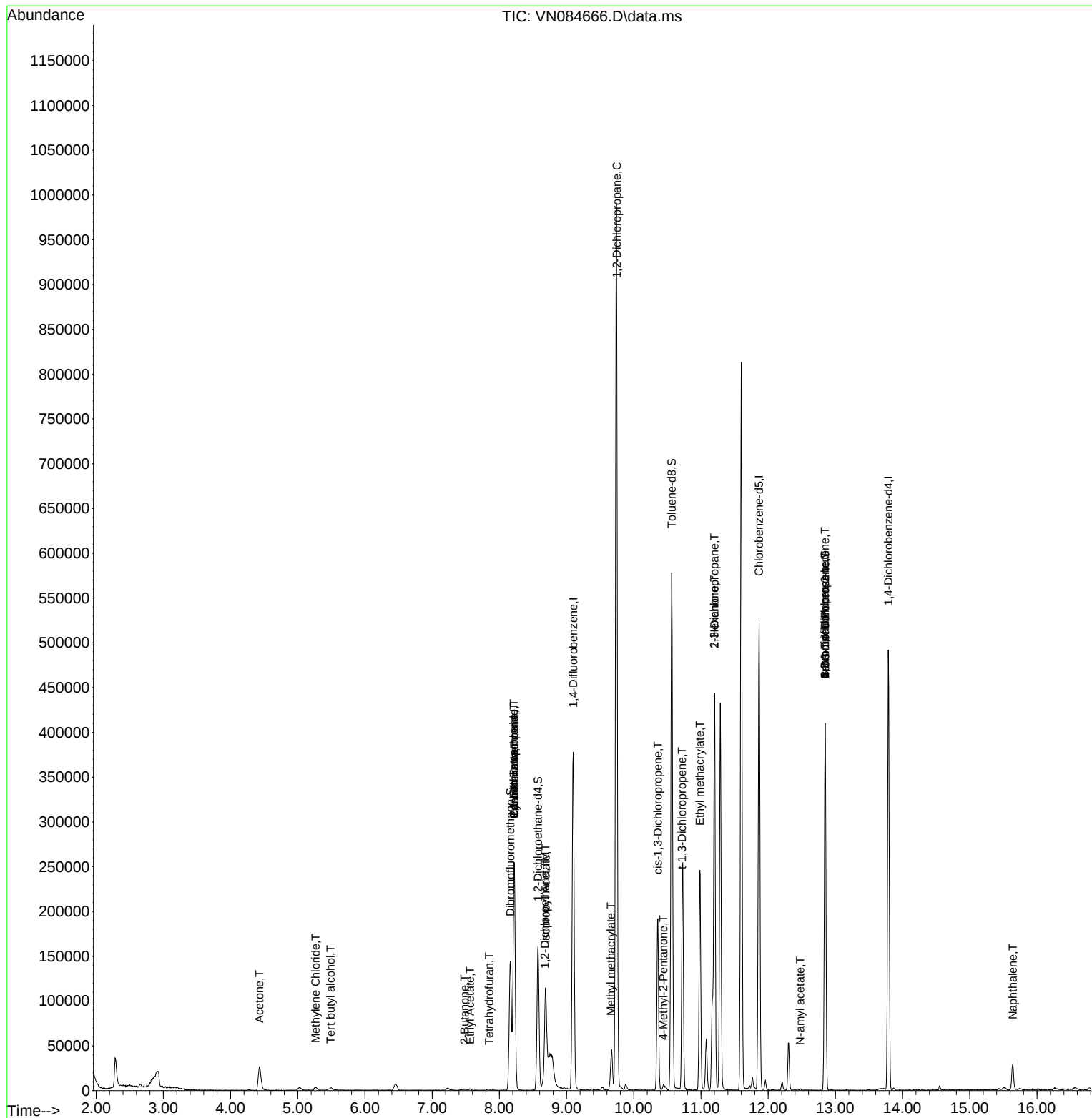
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	184240	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	328657	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	299747	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	131076	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	129897	48.814	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.620%
35) Dibromofluoromethane	8.165	113	106136	47.710	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.420%
50) Toluene-d8	10.565	98	394352	48.123	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.240%
62) 4-Bromofluorobenzene	12.847	95	148129	48.366	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	96.740%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	768	Below Cal	#	41
6) Chloroethane	3.200	64	1354	Below Cal	#	45
11) Tert butyl alcohol	5.489	59	2805	7.986	ug/l #	73
16) Acetone	4.430	43	48899	61.463	ug/l	99
18) Methyl Acetate	5.030	43	6425	Below Cal		94
20) Methylene Chloride	5.265	84	2535	1.083	ug/l #	87
25) 2-Butanone	7.482	43	2411	1.942	ug/l #	48
29) Tetrahydrofuran	7.847	42	539	0.654	ug/l #	52
31) Cyclohexane	8.224	56	3679	1.001	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	15743	5.103	ug/l #	51
37) Ethyl Acetate	7.565	43	2750	0.982	ug/l #	85
38) Carbon Tetrachloride	8.218	117	20069	5.820	ug/l #	15
42) 1,2-Dichloroethane	8.677	62	948	0.295	ug/l #	75
43) Isopropyl Acetate	8.688	43	152847	29.154	ug/l #	82
45) 1,2-Dichloropropane	9.747	63	1092	0.470	ug/l #	44
48) Methyl methacrylate	9.659	41	2916	1.338	ug/l #	40
51) 4-Methyl-2-Pentanone	10.441	43	4171	1.563	ug/l	94
53) t-1,3-Dichloropropene	10.718	75	718	0.201	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	34715	9.166	ug/l #	62
56) Ethyl methacrylate	10.982	69	939	0.297	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4993	1.333	ug/l #	42
59) 2-Hexanone	11.200	43	52948	27.260	ug/l #	56
71) Bromoform	12.847	173	713	0.406	ug/l #	1
74) N-amyl acetate	12.476	43	979	0.250	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	75146	28.680	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	75146	68.041	ug/l #	11
88) 1,4-Dichlorobenzene	13.735	146	56	Below Cal	#	24
95) Naphthalene	15.641	128	29648	3.908	ug/l	97

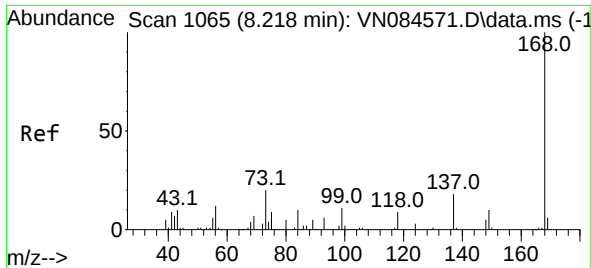
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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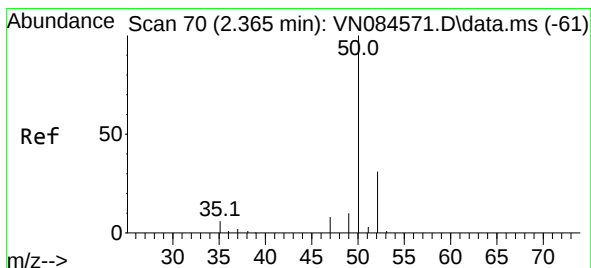
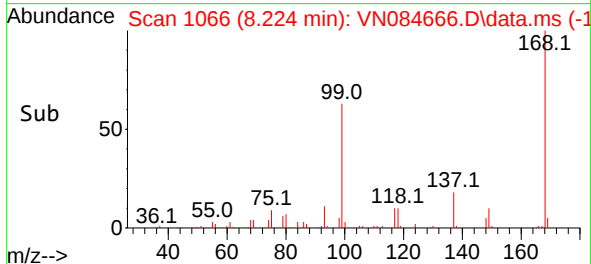
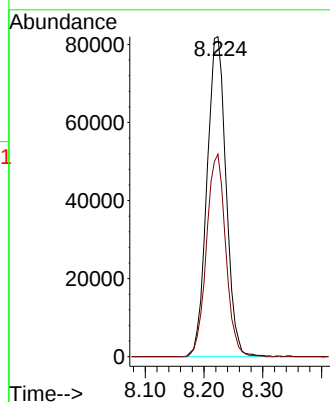
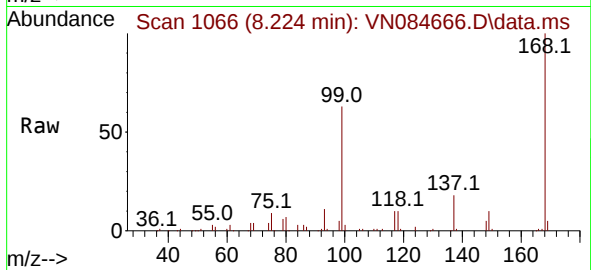




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084666.D
Acq: 04 Nov 2024 18:42

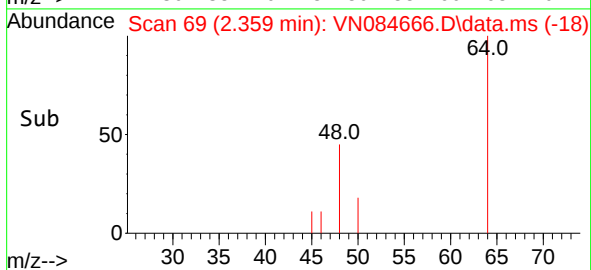
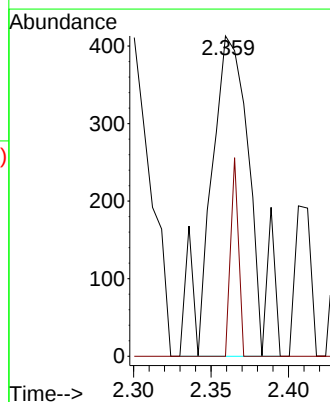
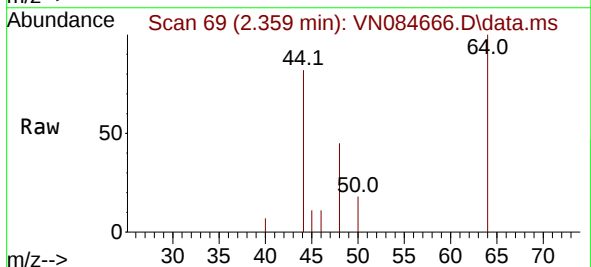
Instrument :
MSVOA_N
ClientSampleId :

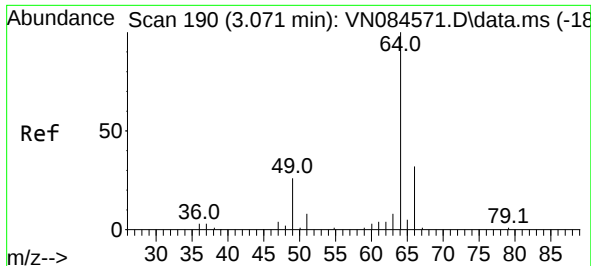
Tgt Ion:168 Resp: 184240
Ion Ratio Lower Upper
168 100
99 63.3 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084666.D
Acq: 04 Nov 2024 18:42

Tgt Ion: 50 Resp: 768
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

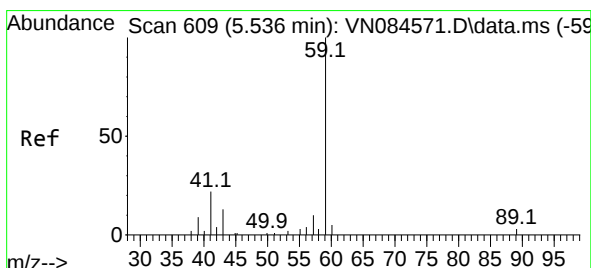
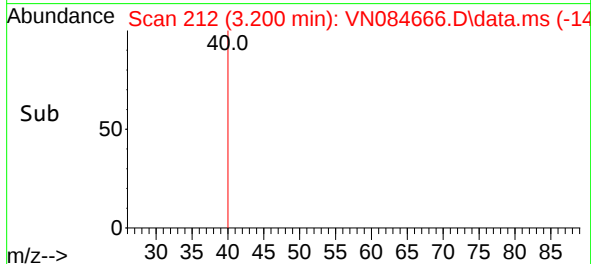
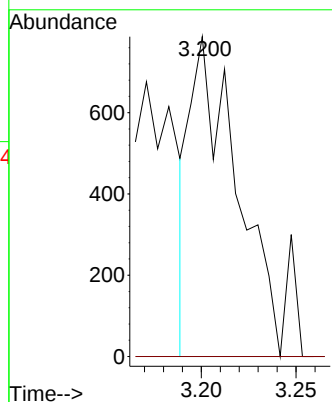
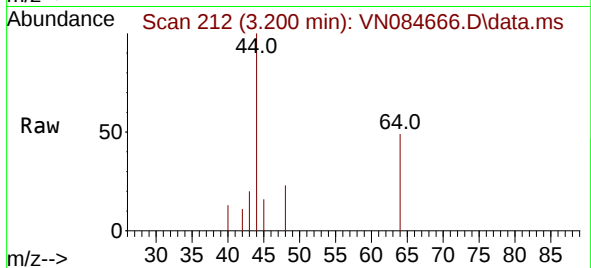




#6
Chloroethane
Concen: Below Cal
RT: 3.200 min Scan# 21
Delta R.T. 0.082 min
Lab File: VN084666.D
Acq: 04 Nov 2024 18:42

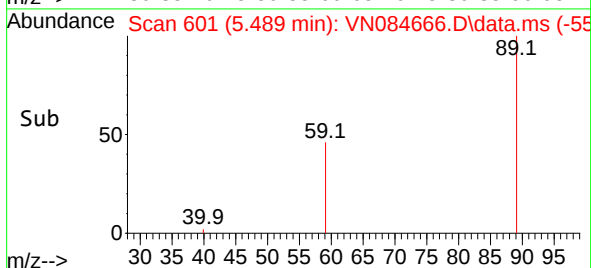
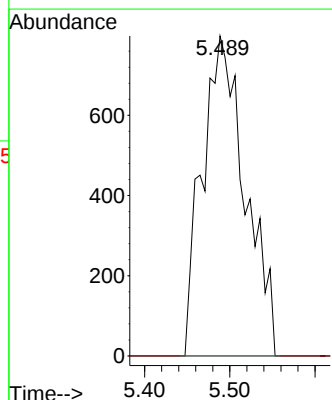
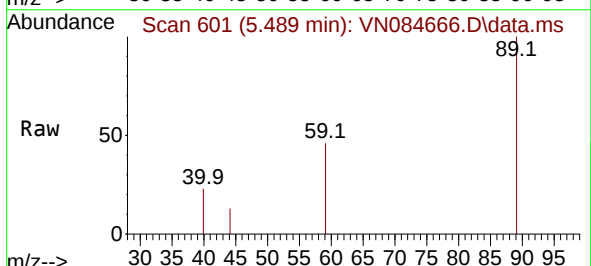
Instrument :
MSVOA_N
ClientSampleId :

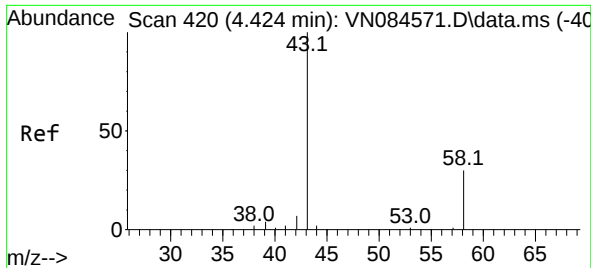
Tgt Ion: 64 Resp: 1354
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 7.986 ug/l
RT: 5.489 min Scan# 601
Delta R.T. -0.035 min
Lab File: VN084666.D
Acq: 04 Nov 2024 18:42

Tgt Ion: 59 Resp: 2805
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

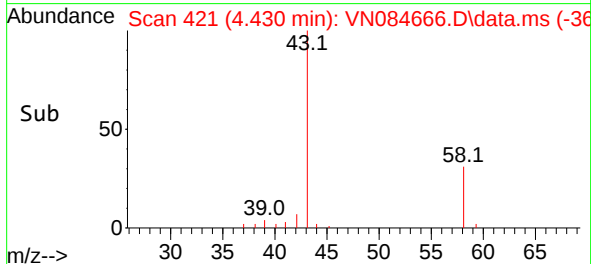
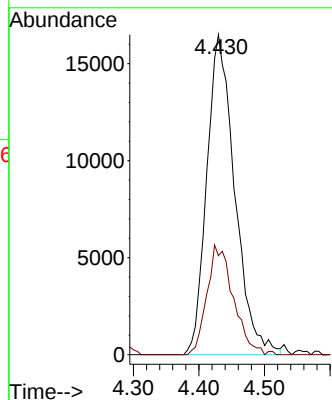
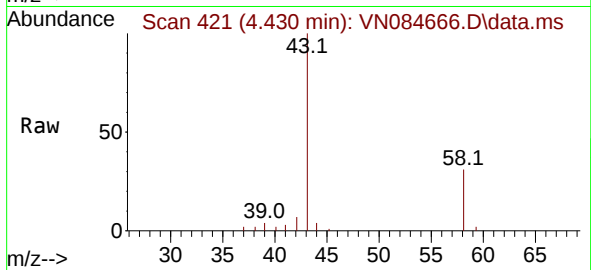




#16
Acetone
Concen: 61.463 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN084666.D
Acq: 04 Nov 2024 18:42

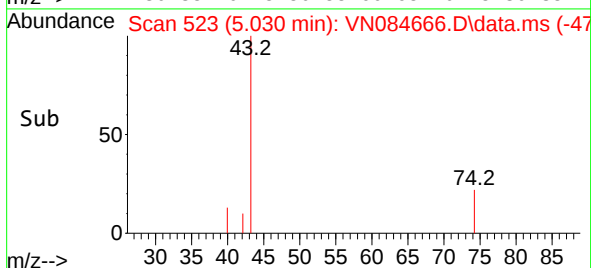
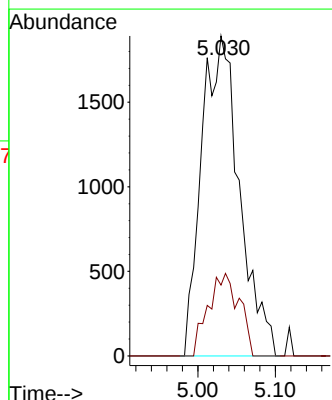
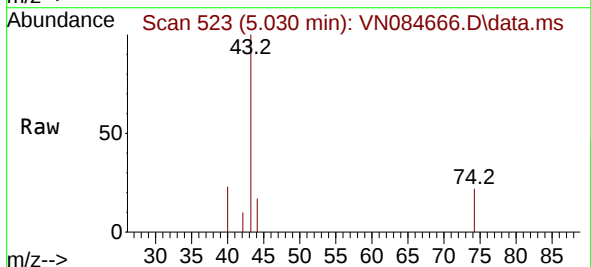
Instrument :
MSVOA_N
ClientSampleId :

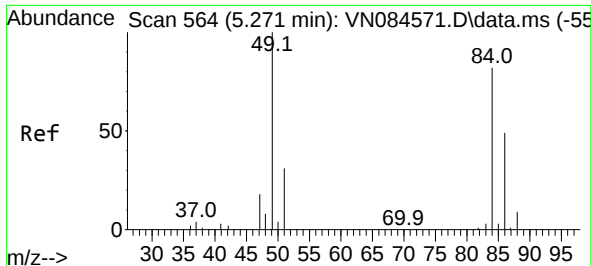
Tgt Ion: 43 Resp: 48899
Ion Ratio Lower Upper
43 100
58 30.9 24.4 36.6



#18
Methyl Acetate
Concen: Below Cal
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN084666.D
Acq: 04 Nov 2024 18:42

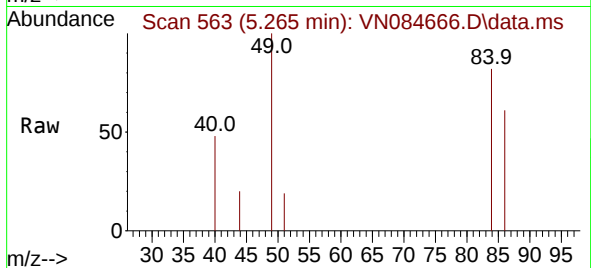
Tgt Ion: 43 Resp: 6425
Ion Ratio Lower Upper
43 100
74 21.1 19.2 28.8





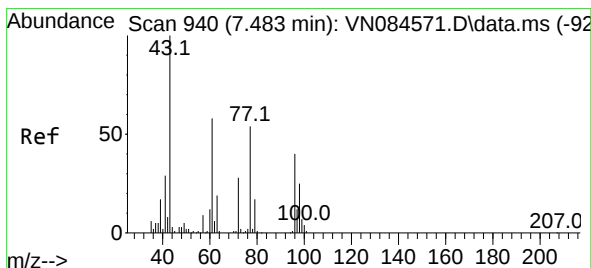
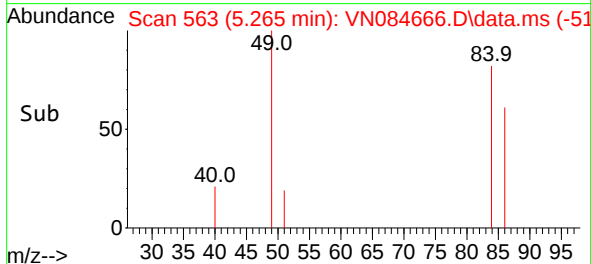
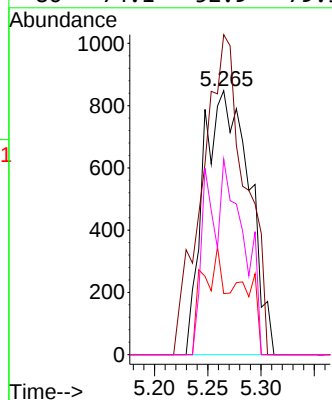
#20
Methylene Chloride
Concen: 1.083 ug/l
RT: 5.265 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN084666.D
Acq: 04 Nov 2024 18:42

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 2535

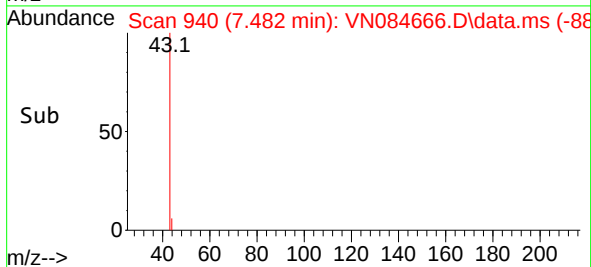
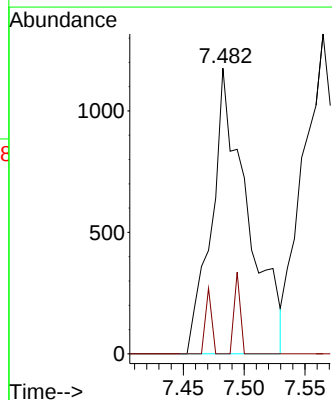
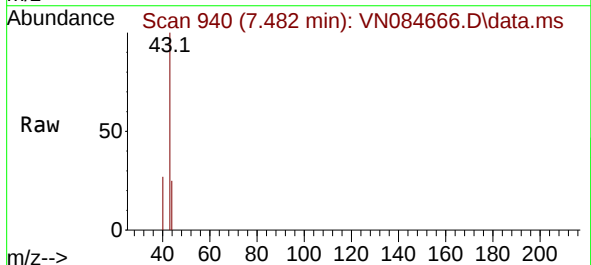
Ion	Ratio	Lower	Upper
84	100		
49	121.2	107.2	160.8
51	23.1	31.8	47.8#
86	74.1	52.9	79.3

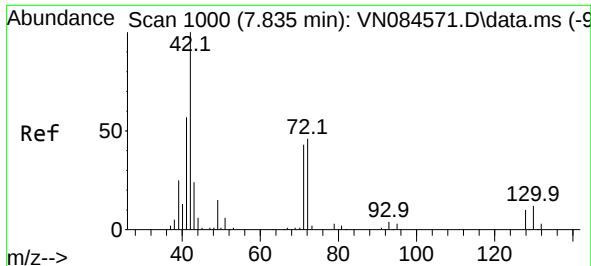


#25
2-Butanone
Concen: 1.942 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN084666.D
Acq: 04 Nov 2024 18:42

Tgt Ion: 43 Resp: 2411

Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.4	32.2#





#29

Tetrahydrofuran

Concen: 0.654 ug/l

RT: 7.847 min Scan# 1066

Delta R.T. 0.012 min

Lab File: VN084666.D

Acq: 04 Nov 2024 18:42

Instrument :

MSVOA_N

ClientSampleId :

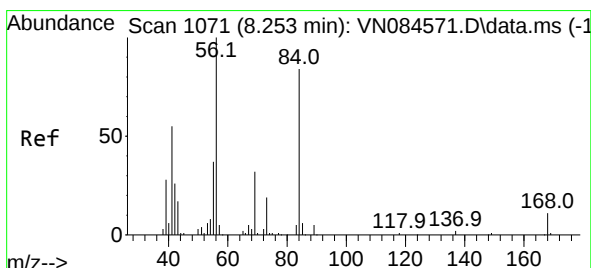
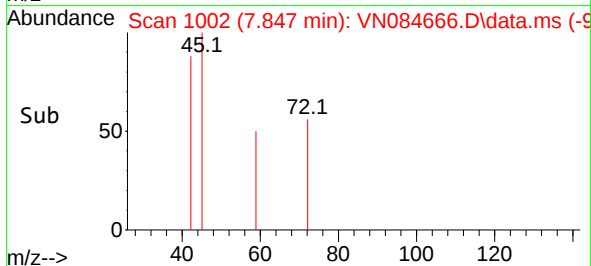
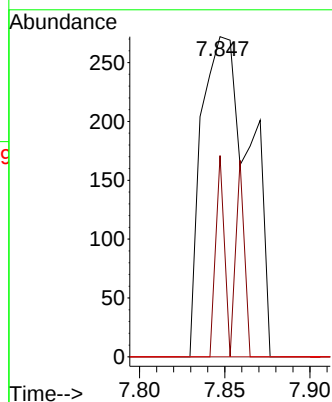
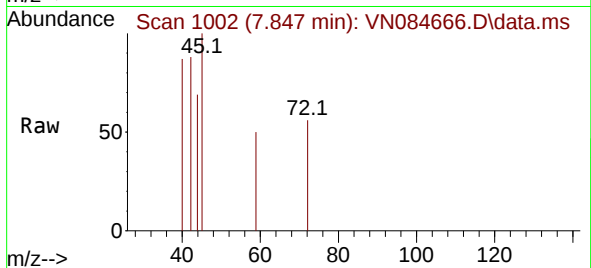
Tgt Ion: 42 Resp: 539

Ion Ratio Lower Upper

42 100

72 22.1 34.6 51.8#

71 0.0 32.2 48.4#



#31

Cyclohexane

Concen: 1.001 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.029 min

Lab File: VN084666.D

Acq: 04 Nov 2024 18:42

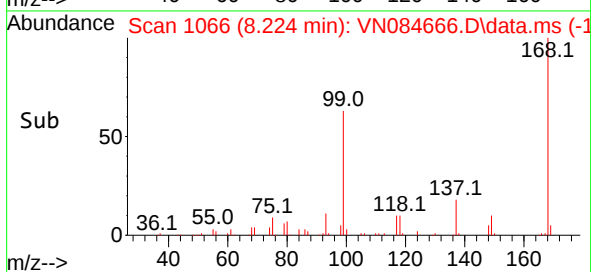
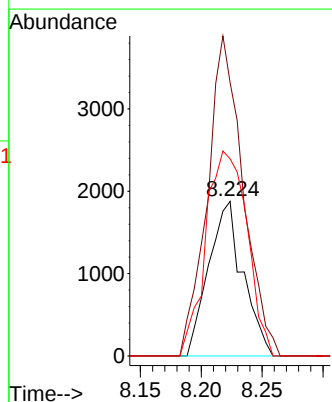
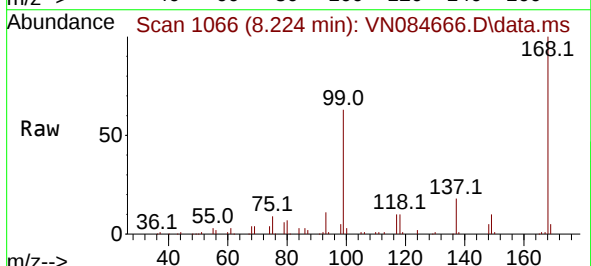
Tgt Ion: 56 Resp: 3679

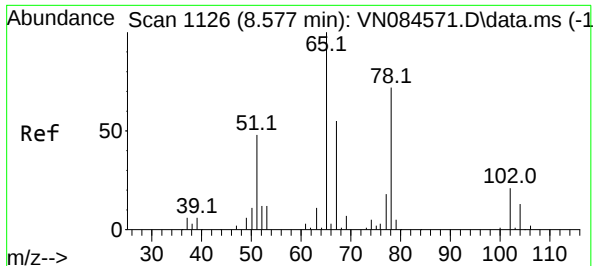
Ion Ratio Lower Upper

56 100

69 176.7 23.8 35.6#

84 127.5 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 48.814 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN084666.D

Acq: 04 Nov 2024 18:42

Instrument :

MSVOA_N

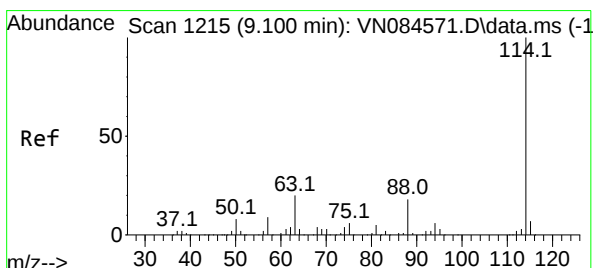
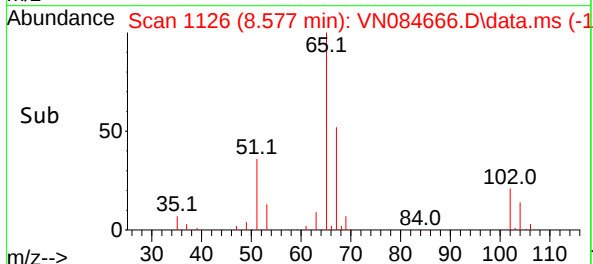
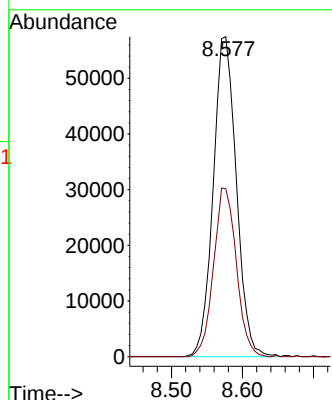
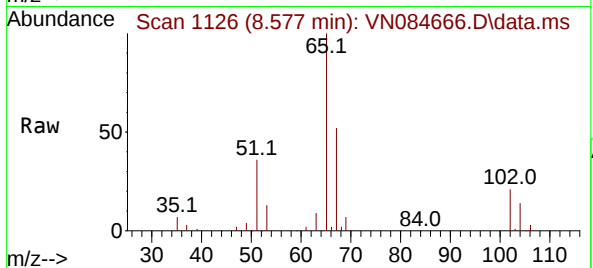
ClientSampleId :

Tgt Ion: 65 Resp: 129897

Ion Ratio Lower Upper

65 100

67 51.9 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: VN084666.D

Acq: 04 Nov 2024 18:42

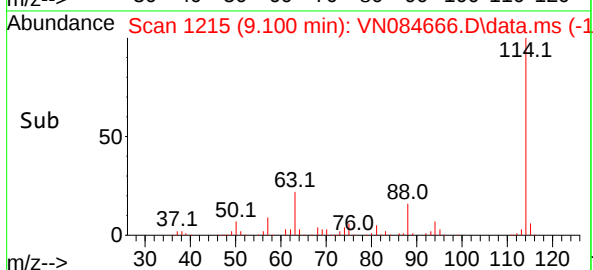
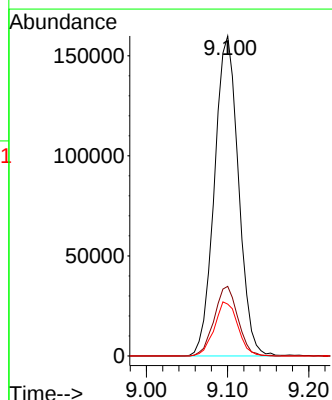
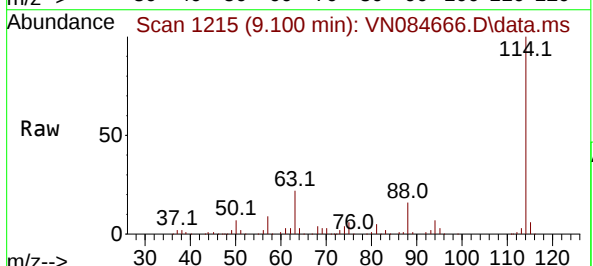
Tgt Ion: 114 Resp: 328657

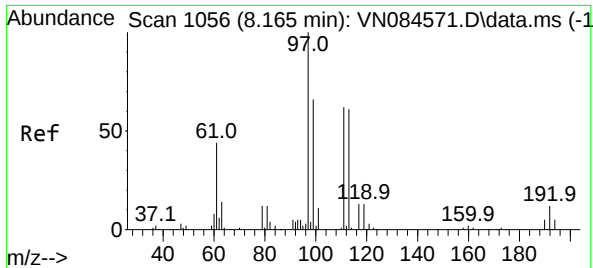
Ion Ratio Lower Upper

114 100

63 21.7 0.0 43.8

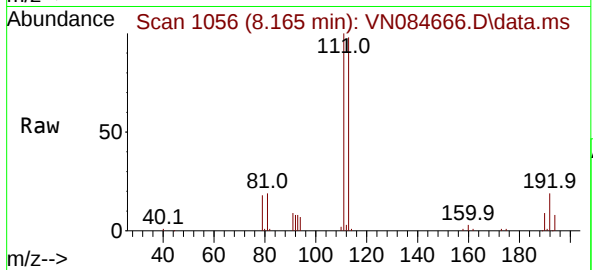
88 16.2 0.0 31.6



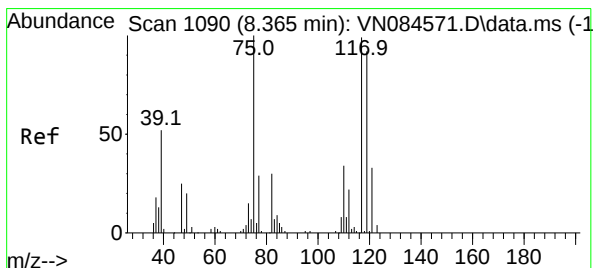
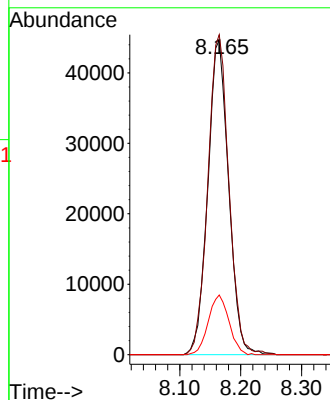
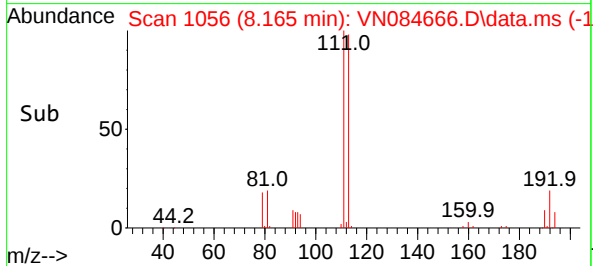


#35
Dibromofluoromethane
Concen: 47.710 ug/l
RT: 8.165 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN084666.D
Acq: 04 Nov 2024 18:42

Instrument :
MSVOA_N
ClientSampleId :

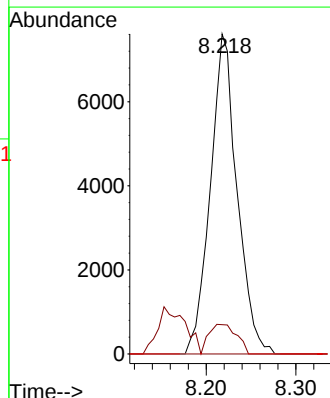
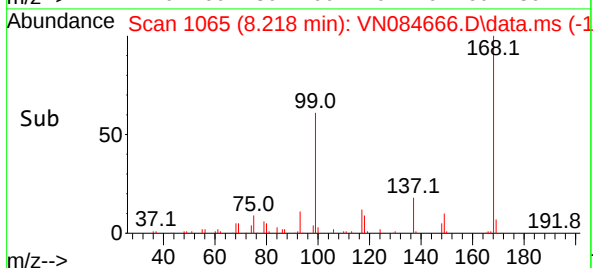
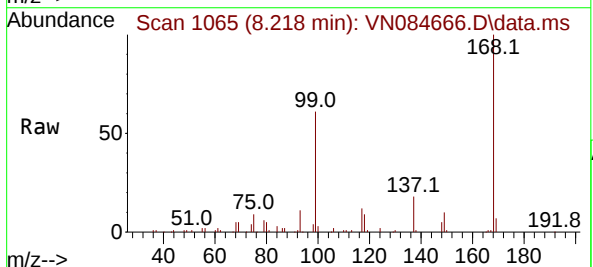


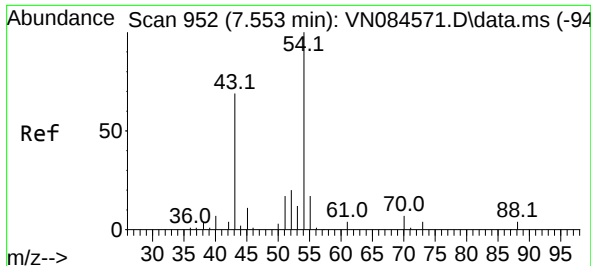
Tgt Ion:113 Resp: 106136
Ion Ratio Lower Upper
113 100
111 102.8 83.3 124.9
192 18.8 13.5 20.3



#36
1,1-Dichloropropene
Concen: 5.103 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN084666.D
Acq: 04 Nov 2024 18:42

Tgt Ion: 75 Resp: 15743
Ion Ratio Lower Upper
75 100
110 9.6 16.9 50.7#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.982 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.006 min

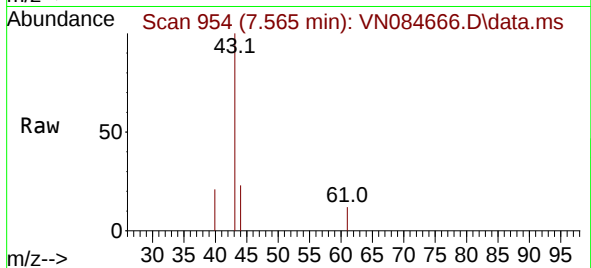
Lab File: VN084666.D

Acq: 04 Nov 2024 18:42

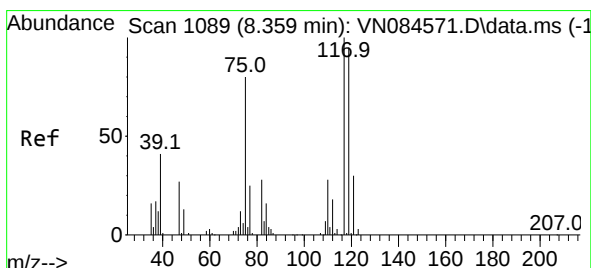
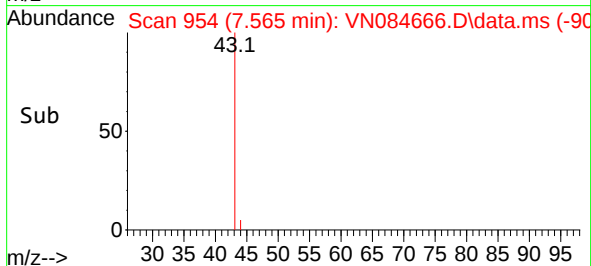
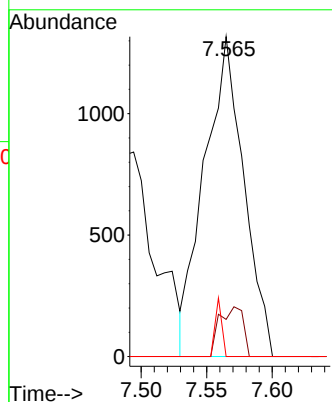
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	2750
Ion	Ratio	Lower	Upper
43	100		
61	9.3	10.7	16.1#
70	3.1	8.8	13.2#



#38

Carbon Tetrachloride

Concen: 5.820 ug/l

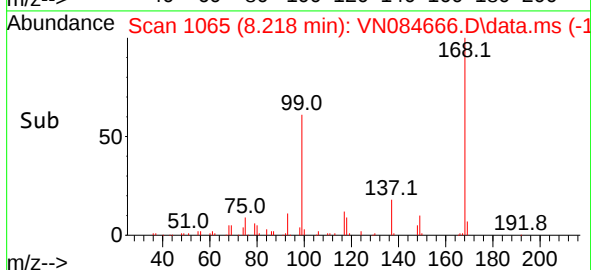
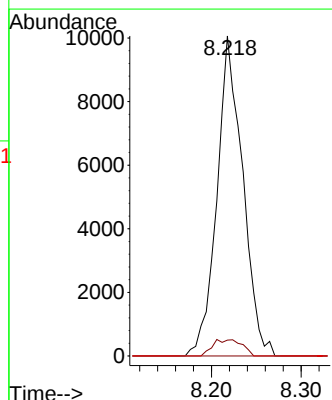
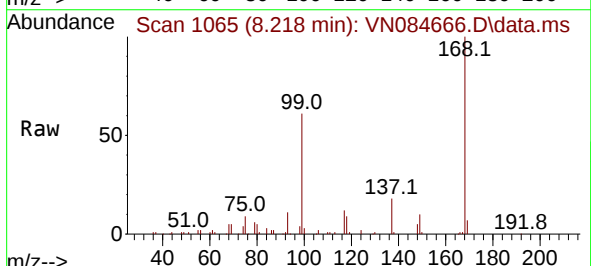
RT: 8.218 min Scan# 1065

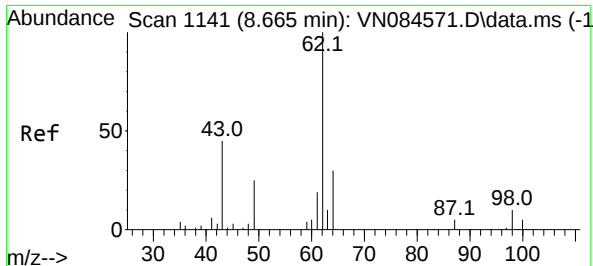
Delta R.T. -0.141 min

Lab File: VN084666.D

Acq: 04 Nov 2024 18:42

Tgt Ion:	117	Resp:	20069
Ion	Ratio	Lower	Upper
117	100		
119	4.9	78.7	118.1#
121	0.0	24.4	36.6#





#42

1,2-Dichloroethane

Concen: 0.295 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VN084666.D

Acq: 04 Nov 2024 18:42

Instrument :

MSVOA_N

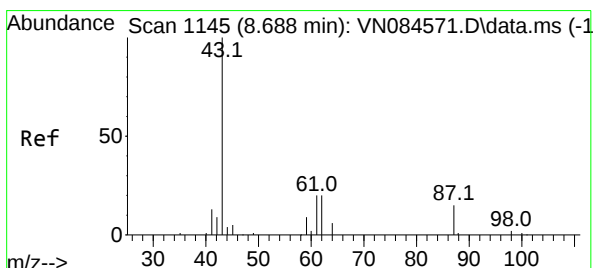
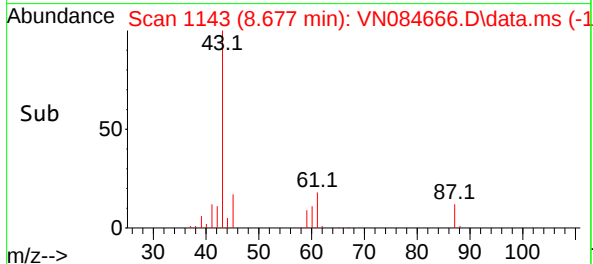
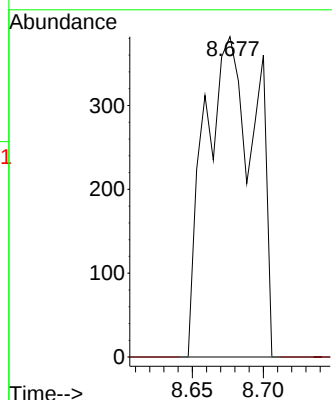
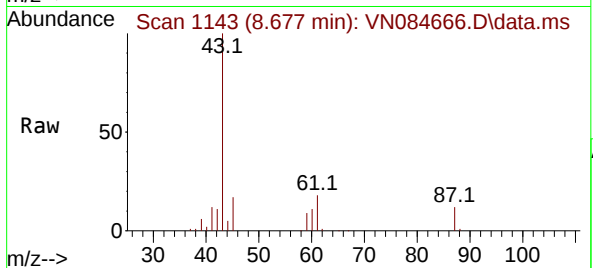
ClientSampleId :

Tgt Ion: 62 Resp: 948

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2



#43

Isopropyl Acetate

Concen: 29.154 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN084666.D

Acq: 04 Nov 2024 18:42

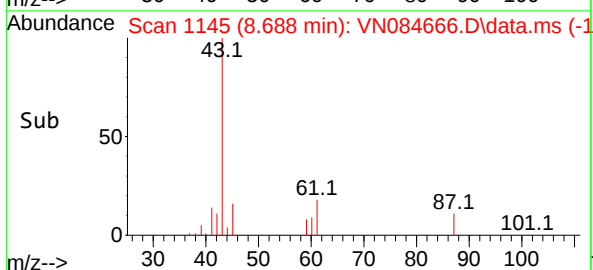
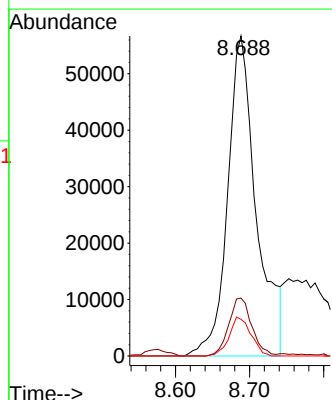
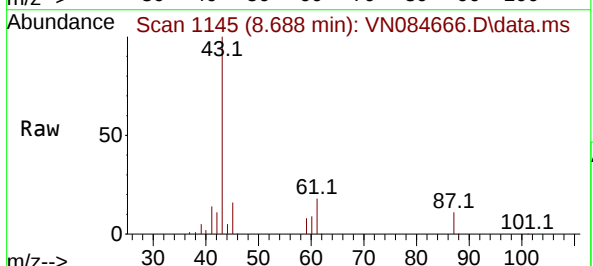
Tgt Ion: 43 Resp: 152847

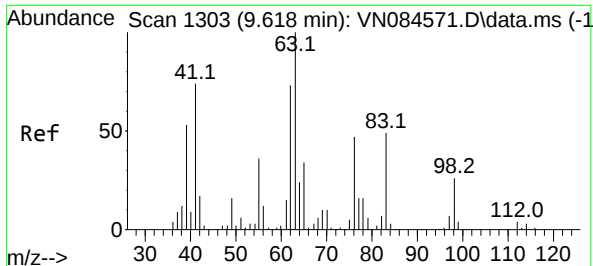
Ion Ratio Lower Upper

43 100

61 14.5 20.4 30.6#

87 9.2 10.3 15.5#





#45

1,2-Dichloropropane

Concen: 0.470 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.129 min

Lab File: VN084666.D

Acq: 04 Nov 2024 18:42

Instrument :

MSVOA_N

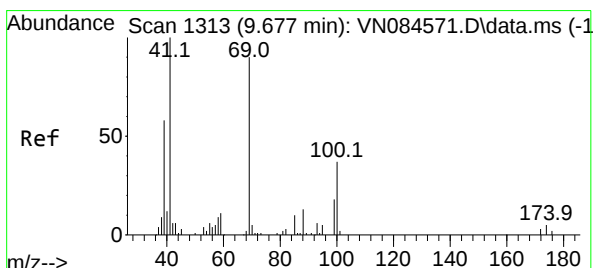
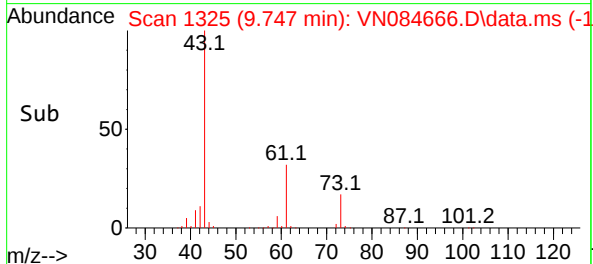
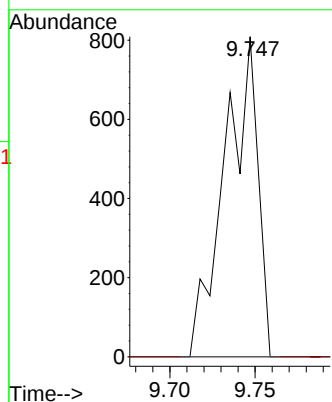
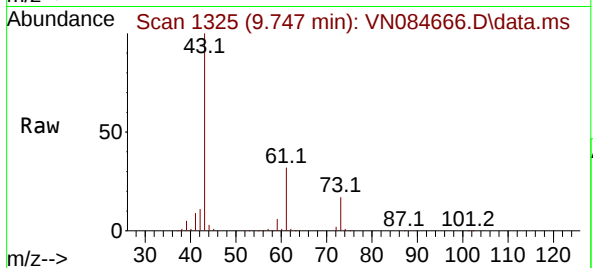
ClientSampleId :

Tgt Ion: 63 Resp: 1092

Ion Ratio Lower Upper

63 100

65 0.0 24.6 37.0#



#48

Methyl methacrylate

Concen: 1.338 ug/l

RT: 9.659 min Scan# 1310

Delta R.T. -0.018 min

Lab File: VN084666.D

Acq: 04 Nov 2024 18:42

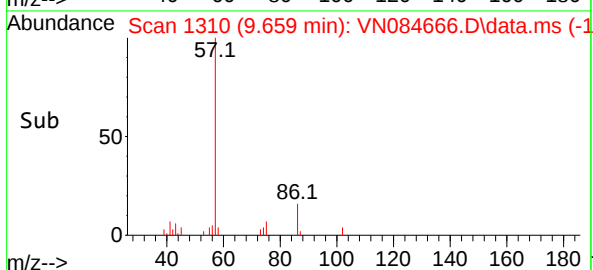
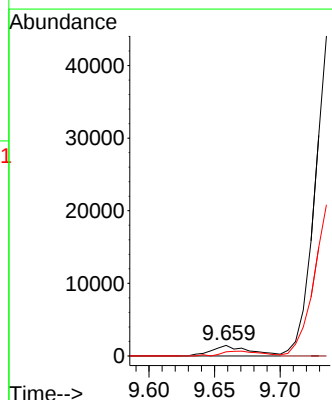
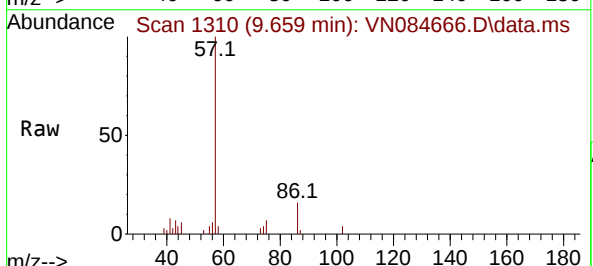
Tgt Ion: 41 Resp: 2916

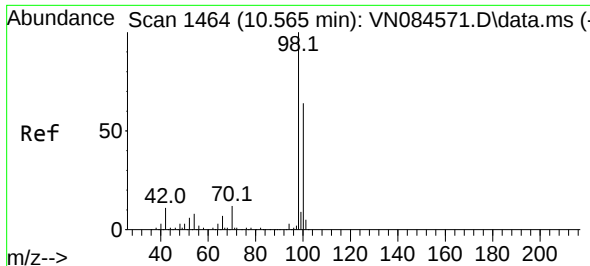
Ion Ratio Lower Upper

41 100

69 0.0 67.1 100.7#

39 47.5 45.8 68.6

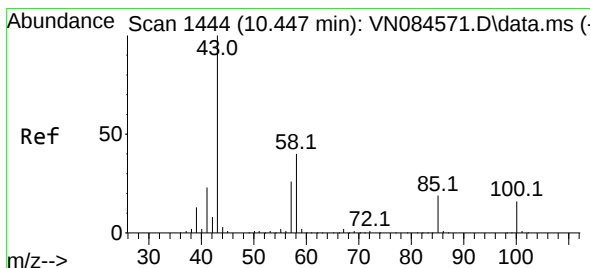
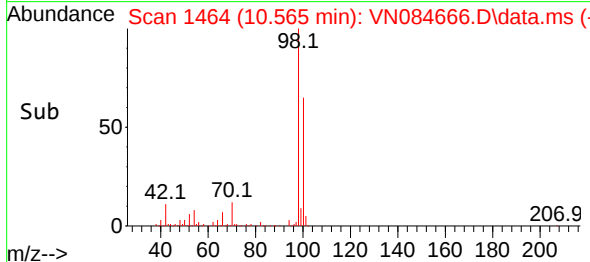
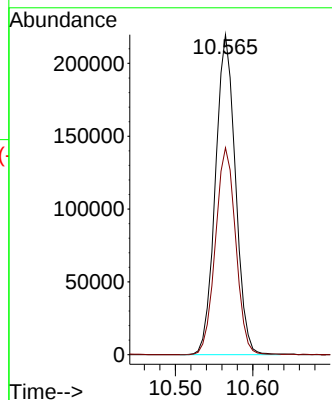
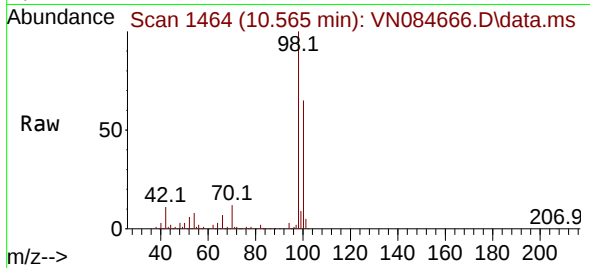




#50
Toluene-d8
Concen: 48.123 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084666.D
Acq: 04 Nov 2024 18:42

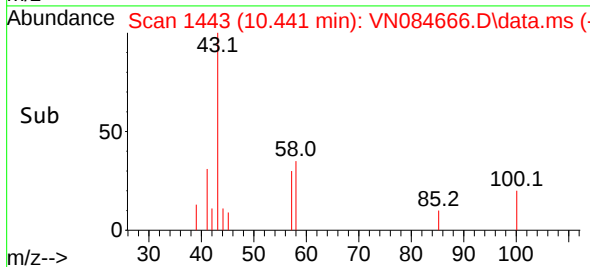
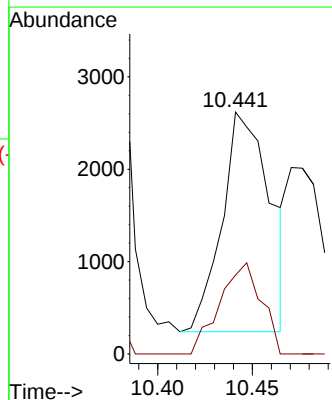
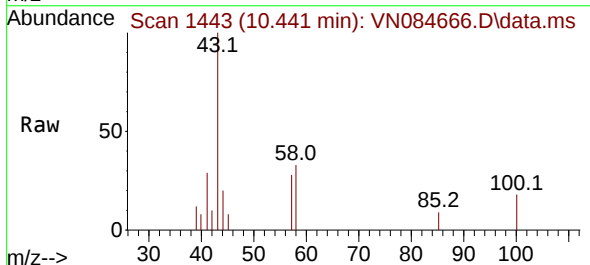
Instrument :
MSVOA_N
ClientSampleId :

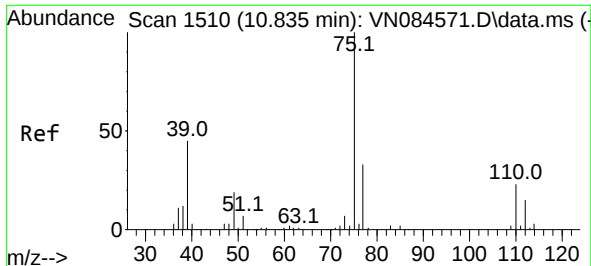
Tgt Ion: 98 Resp: 394352
Ion Ratio Lower Upper
98 100
100 65.5 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 1.563 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN084666.D
Acq: 04 Nov 2024 18:42

Tgt Ion: 43 Resp: 4171
Ion Ratio Lower Upper
43 100
58 36.1 31.6 47.4

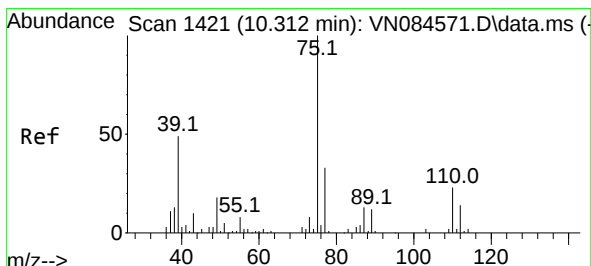
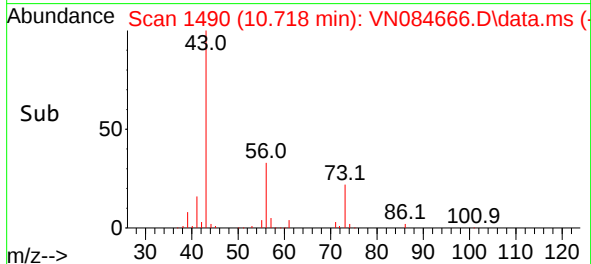
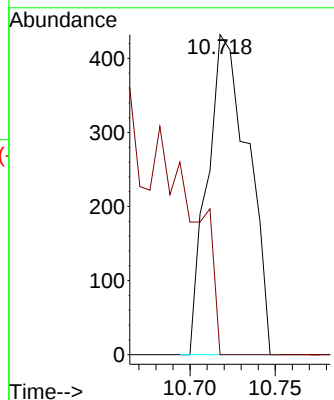
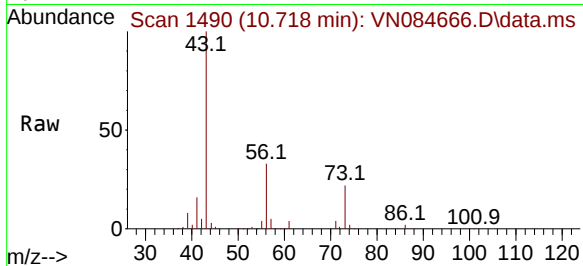




#53
t-1,3-Dichloropropene
Concen: 0.201 ug/l
RT: 10.718 min Scan# 1490
Delta R.T. -0.118 min
Lab File: VN084666.D
Acq: 04 Nov 2024 18:42

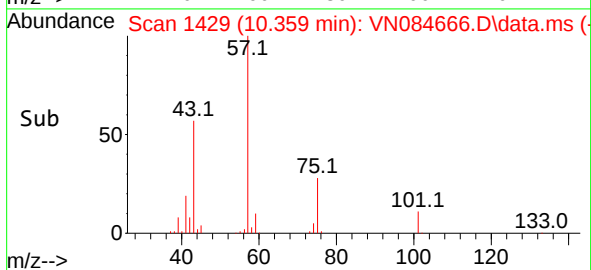
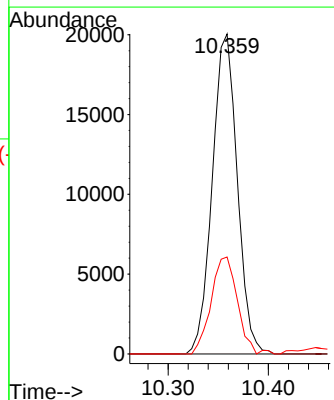
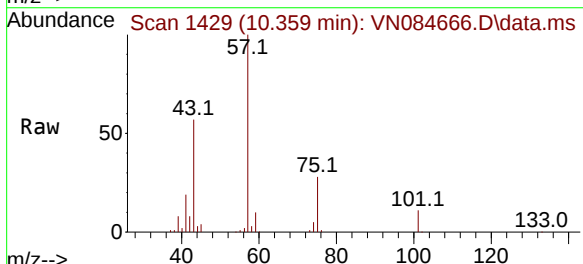
Instrument :
MSVOA_N
ClientSampleId :

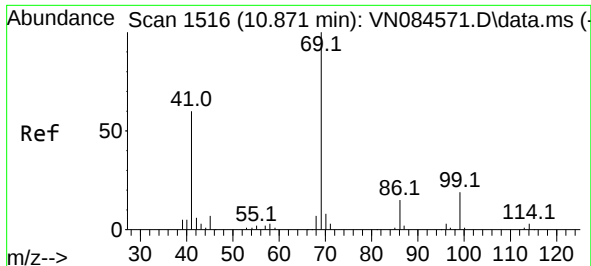
Tgt Ion: 75 Resp: 718
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#



#54
cis-1,3-Dichloropropene
Concen: 9.166 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN084666.D
Acq: 04 Nov 2024 18:42

Tgt Ion: 75 Resp: 34715
Ion Ratio Lower Upper
75 100
77 0.0 24.2 36.2#
39 30.3 38.7 58.1#

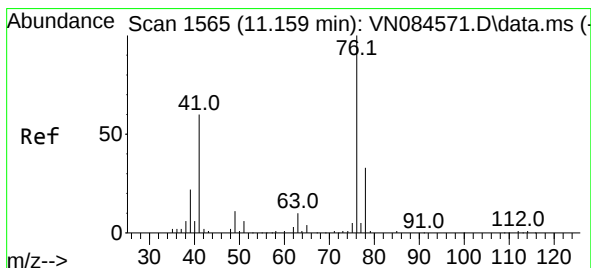
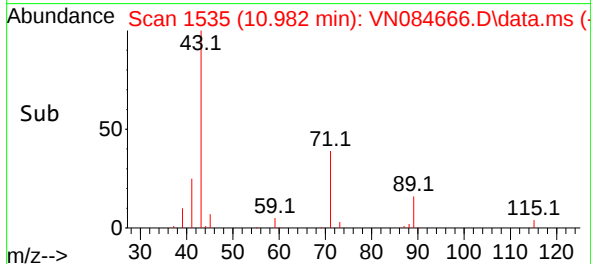
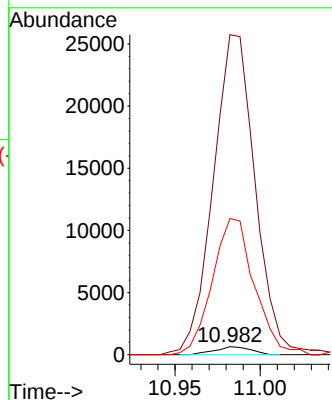
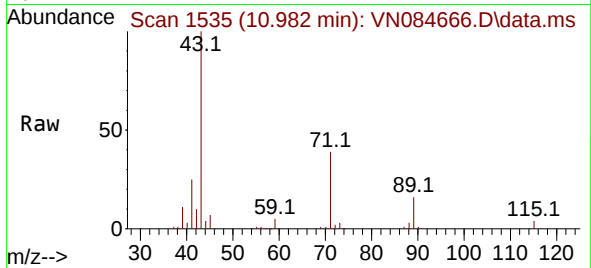




#56
Ethyl methacrylate
Concen: 0.297 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.112 min
Lab File: VN084666.D
Acq: 04 Nov 2024 18:42

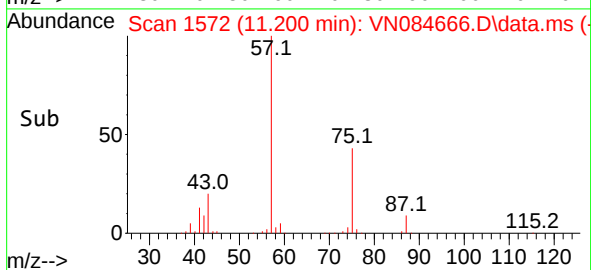
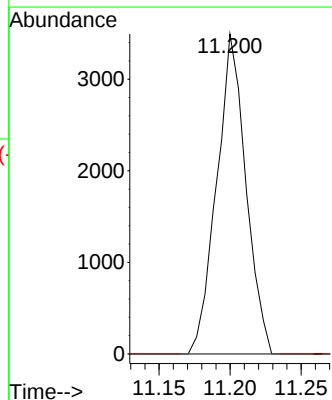
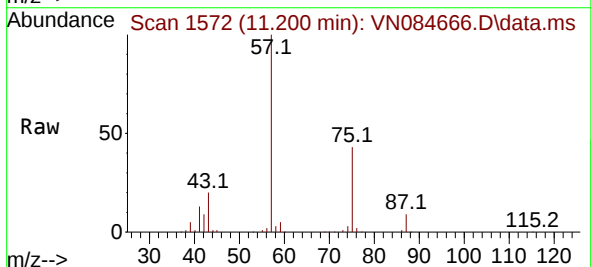
Instrument :
MSVOA_N
ClientSampleId :

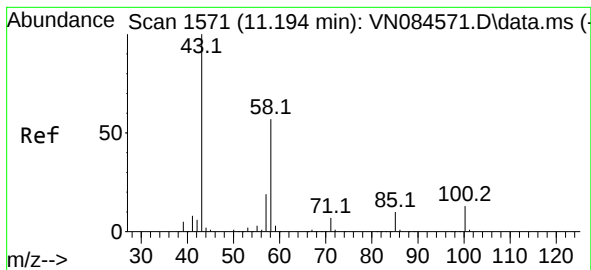
Tgt Ion: 69 Resp: 939
Ion Ratio Lower Upper
69 100
41 4726.5 53.3 79.9#
39 1999.0 28.8 43.2#



#57
1,3-Dichloropropane
Concen: 1.333 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN084666.D
Acq: 04 Nov 2024 18:42

Tgt Ion: 76 Resp: 4993
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

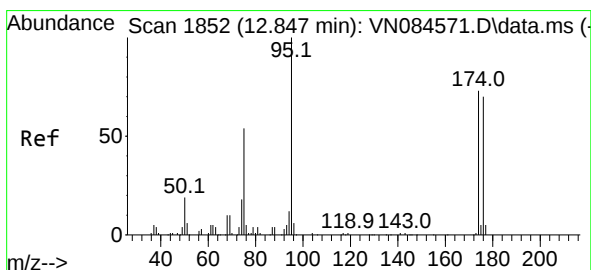
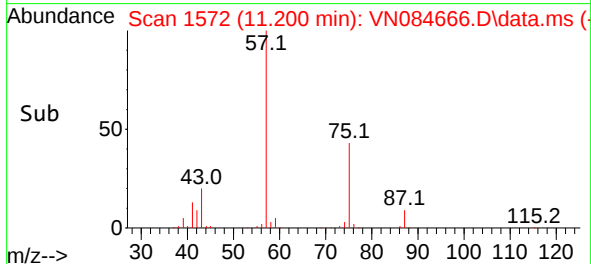
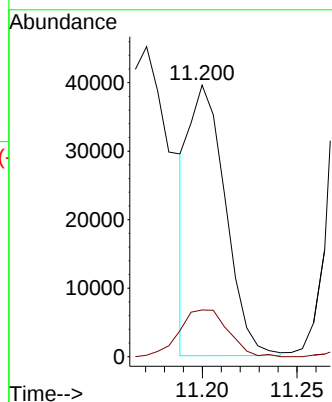
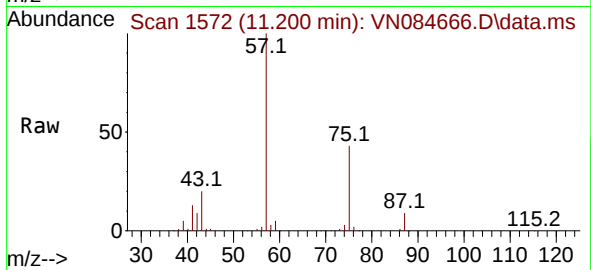




#59
2-Hexanone
Concen: 27.260 ug/l
RT: 11.200 min Scan# 1571
Delta R.T. 0.006 min
Lab File: VN084666.D
Acq: 04 Nov 2024 18:42

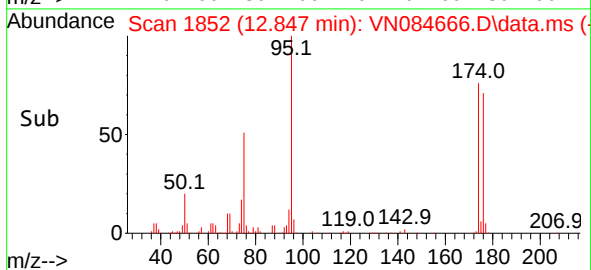
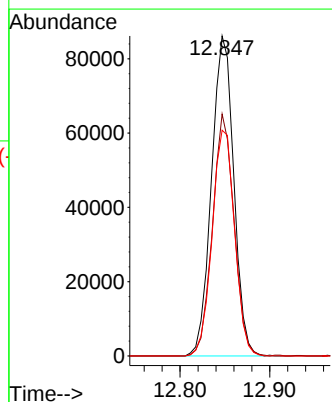
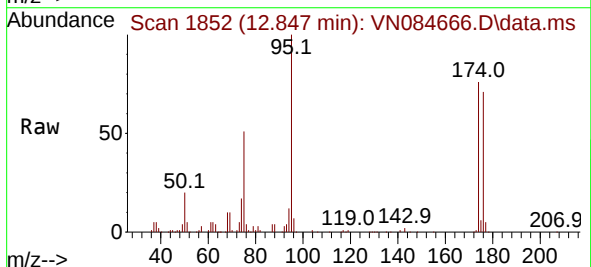
Instrument :
MSVOA_N
ClientSampleId :

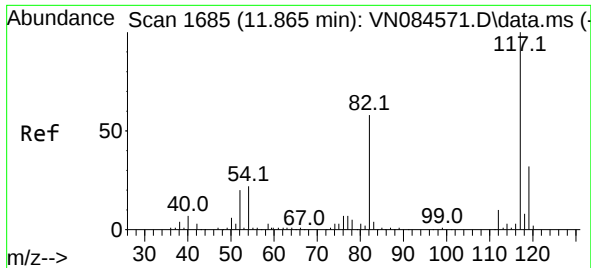
Tgt Ion: 43 Resp: 52948
Ion Ratio Lower Upper
43 100
58 23.2 27.3 81.8#



#62
4-Bromofluorobenzene
Concen: 48.366 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084666.D
Acq: 04 Nov 2024 18:42

Tgt Ion: 95 Resp: 148129
Ion Ratio Lower Upper
95 100
174 73.3 0.0 145.2
176 71.3 0.0 140.0

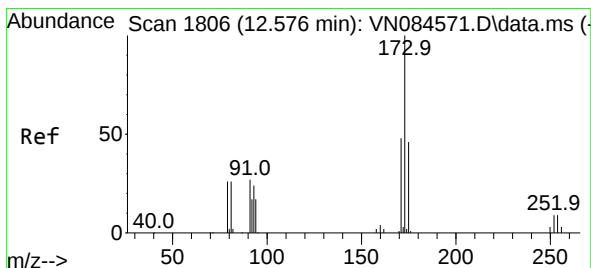
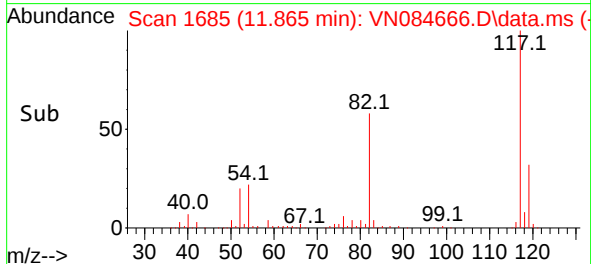
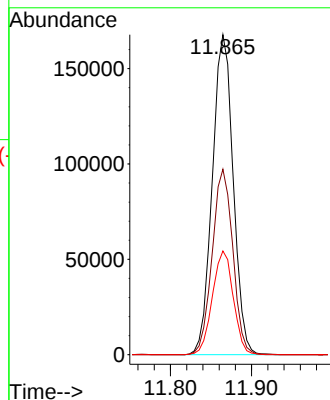
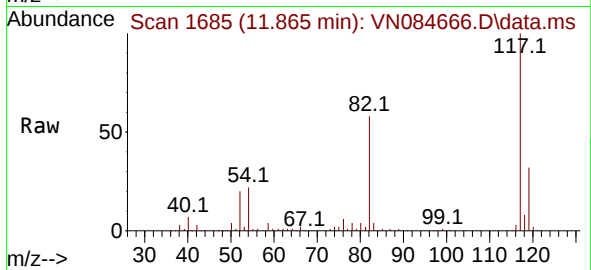




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN084666.D
Acq: 04 Nov 2024 18:42

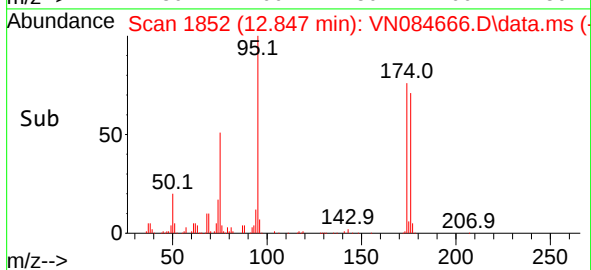
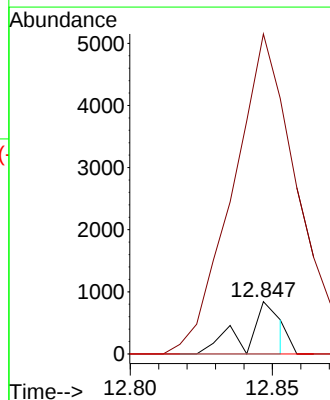
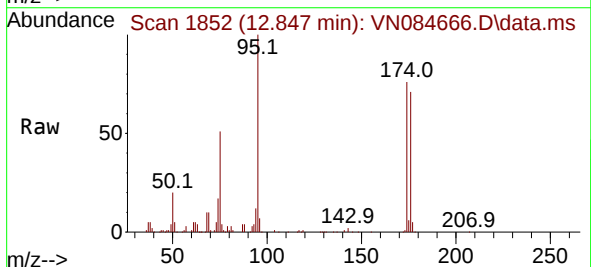
Instrument :
MSVOA_N
ClientSampleId :

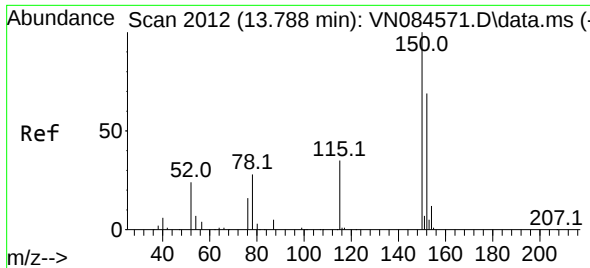
Tgt Ion:117 Resp: 299747
Ion Ratio Lower Upper
117 100
82 58.0 47.2 70.8
119 32.4 25.4 38.0



#71
Bromoform
Concen: 0.406 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.270 min
Lab File: VN084666.D
Acq: 04 Nov 2024 18:42

Tgt Ion:173 Resp: 713
Ion Ratio Lower Upper
173 100
175 871.2 23.5 70.6#
254 0.0 0.0 0.0

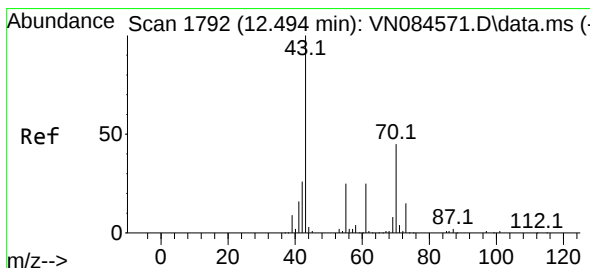
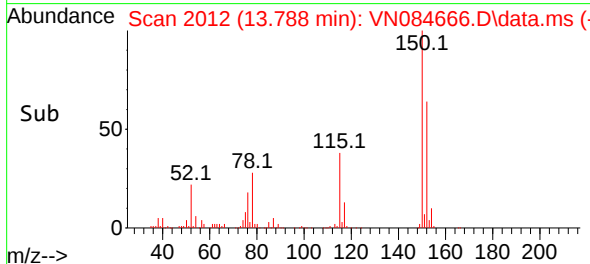
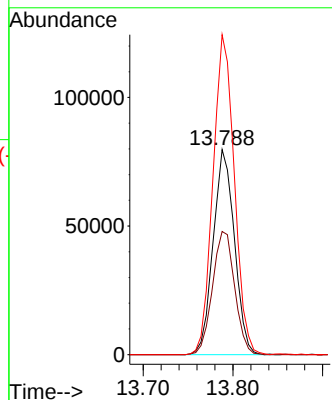
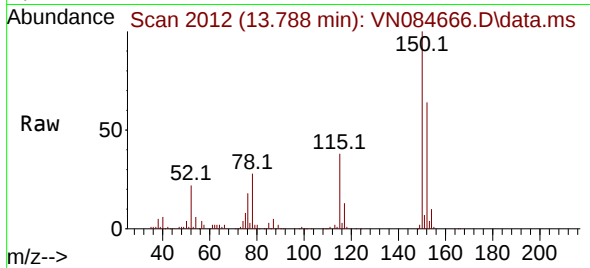




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084666.D
Acq: 04 Nov 2024 18:42

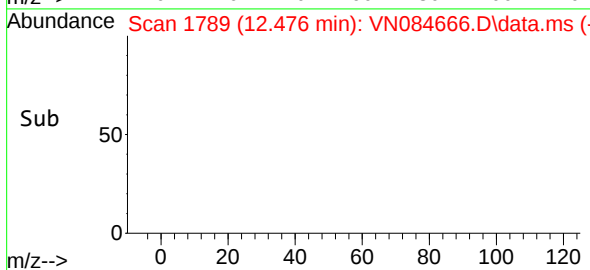
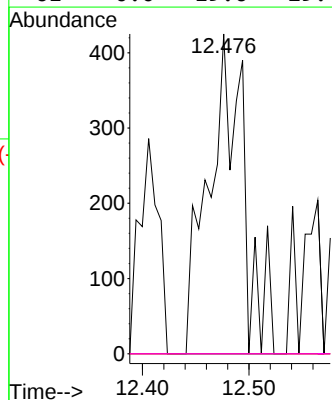
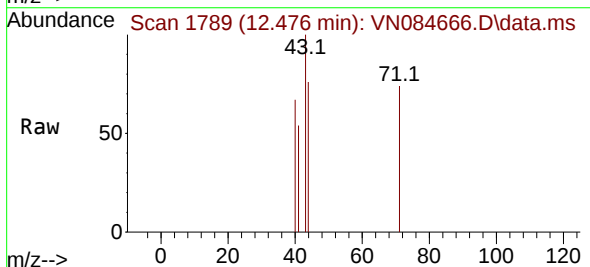
Instrument :
MSVOA_N
ClientSampleId :

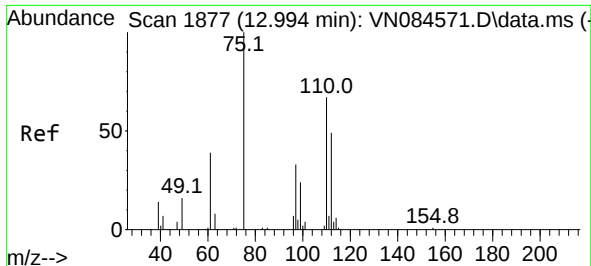
Tgt Ion:152 Resp: 131076
Ion Ratio Lower Upper
152 100
115 62.7 31.3 93.9
150 156.7 0.0 349.8



#74
N-ethyl acetate
Concen: 0.250 ug/l
RT: 12.476 min Scan# 1789
Delta R.T. -0.018 min
Lab File: VN084666.D
Acq: 04 Nov 2024 18:42

Tgt Ion: 43 Resp: 979
Ion Ratio Lower Upper
43 100
70 0.0 34.4 51.6#
55 0.0 19.6 29.4#
61 0.0 19.6 29.4#

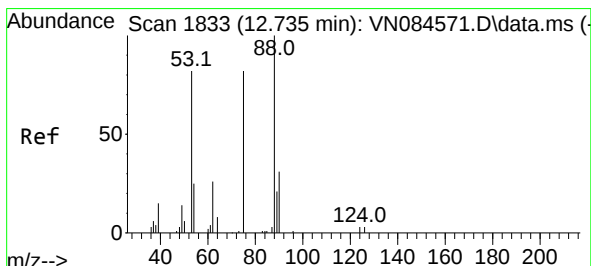
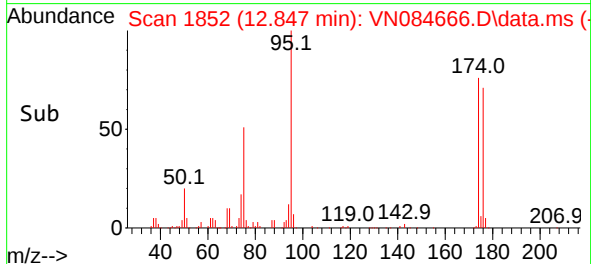
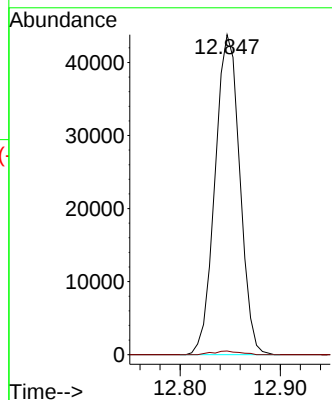
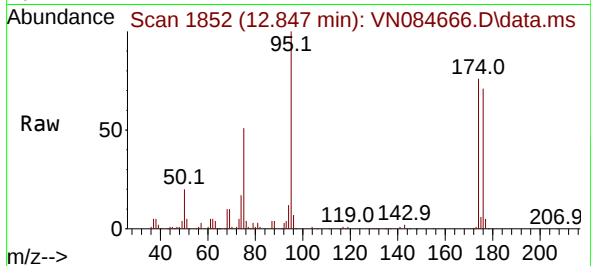




#76
1,2,3-Trichloropropane
Concen: 28.680 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084666.D
Acq: 04 Nov 2024 18:42

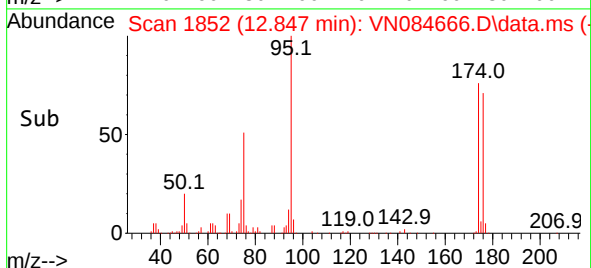
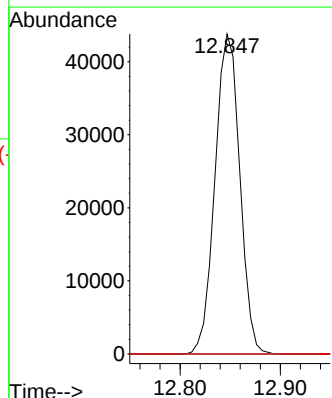
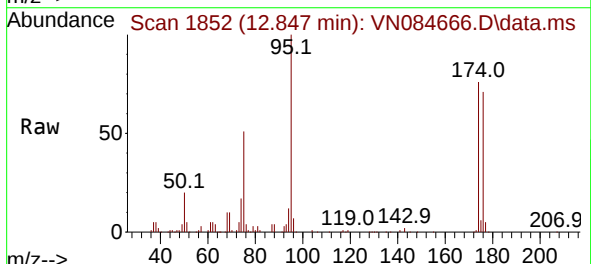
Instrument :
MSVOA_N
ClientSampleId :

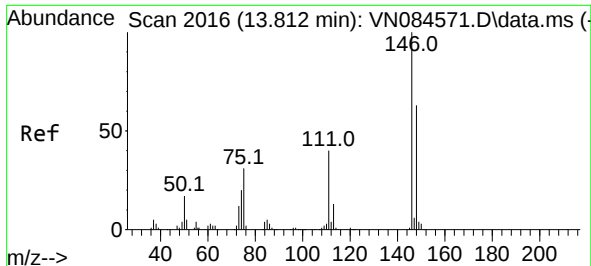
Tgt Ion: 75 Resp: 75146
Ion Ratio Lower Upper
75 100
77 1.3 96.9 290.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.041 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084666.D
Acq: 04 Nov 2024 18:42

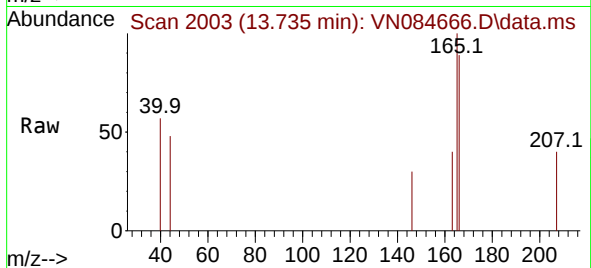
Tgt Ion: 75 Resp: 75146
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#



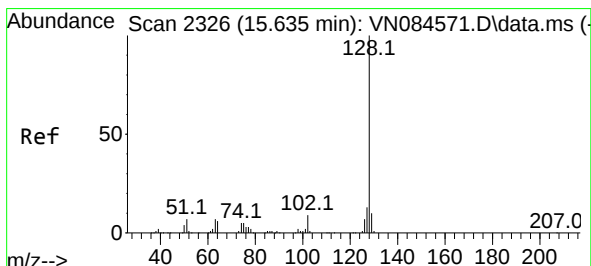
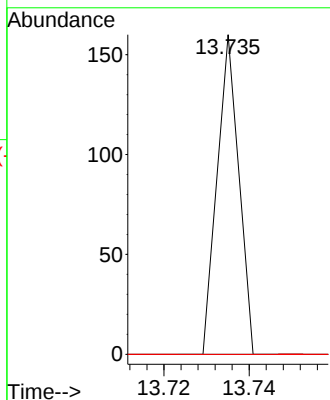
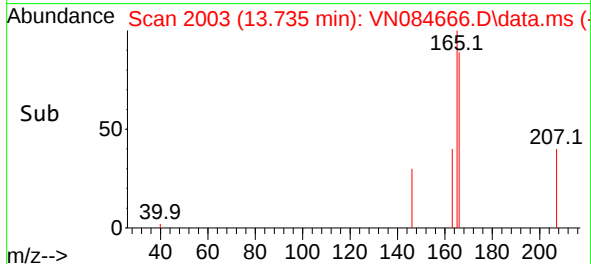


#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.735 min Scan# 2016
Delta R.T. -0.077 min
Lab File: VN084666.D
Acq: 04 Nov 2024 18:42

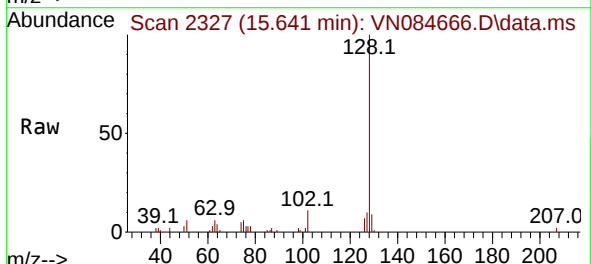
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:146 Resp: 56
Ion Ratio Lower Upper
146 100
111 0.0 21.2 63.6#
148 0.0 31.9 95.9#



#95
Naphthalene
Concen: 3.908 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN084666.D
Acq: 04 Nov 2024 18:42



Tgt Ion:128 Resp: 29648
Ion Ratio Lower Upper
128 100
127 11.2 10.5 15.7
129 10.6 8.7 13.1

