

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110524\
 Data File : VN084691.D
 Acq On : 05 Nov 2024 16:35
 Operator : JC\MD
 Sample : P4693-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 06 00:34:05 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

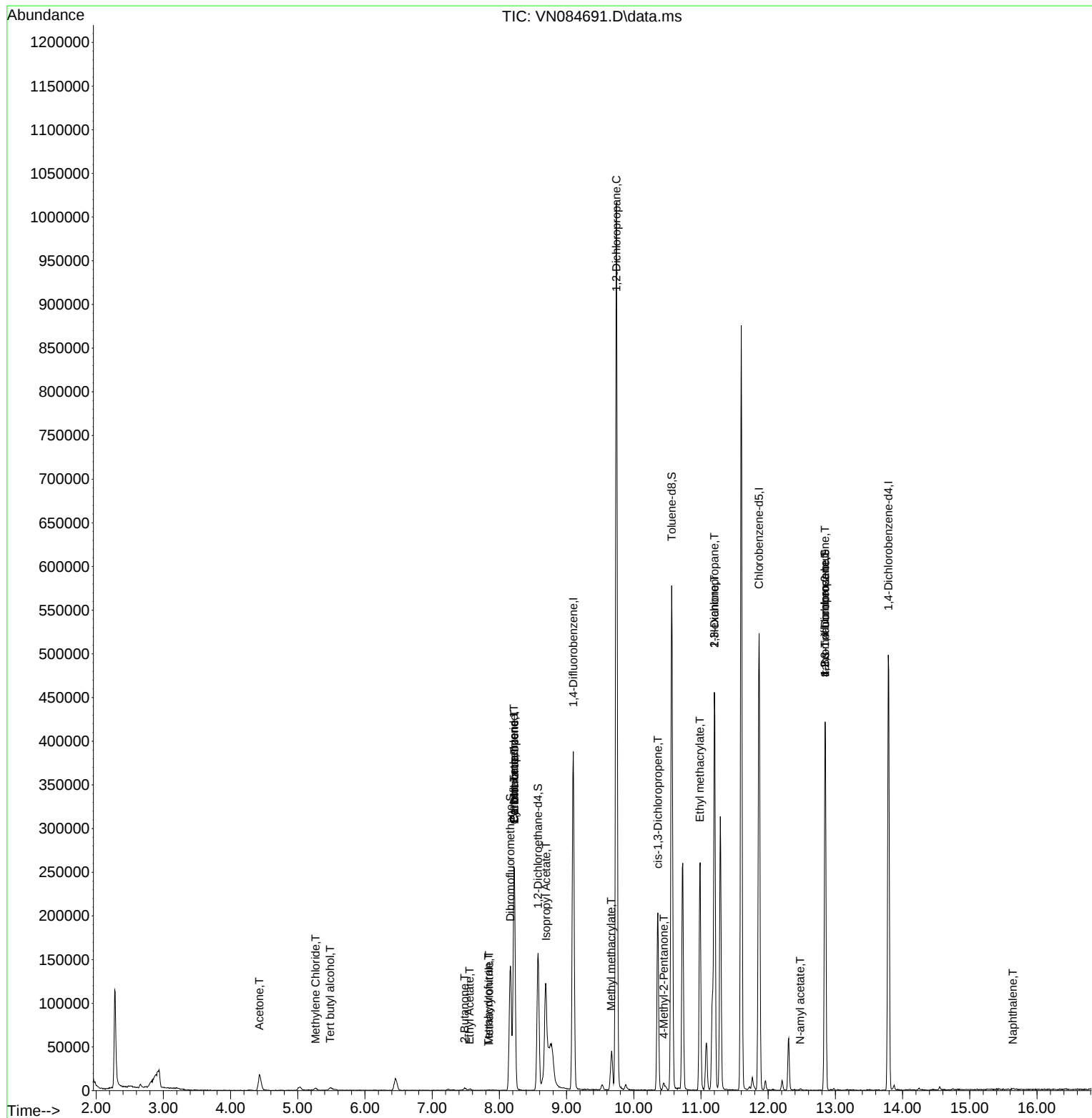
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

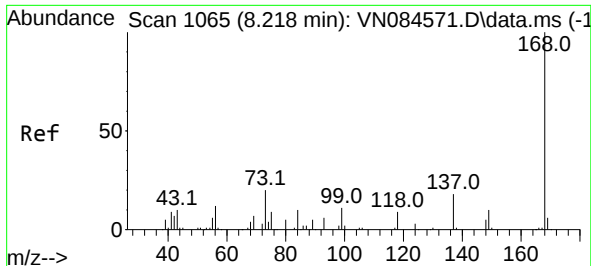
Internal Standards						
1) Pentafluorobenzene	8.218	168	186137	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	333259	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	303530	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	136849	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	131974	49.089	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.180%		
35) Dibromofluoromethane	8.165	113	105635	46.829	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.660%		
50) Toluene-d8	10.565	98	395681	47.618	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.240%		
62) 4-Bromofluorobenzene	12.847	95	153000	49.267	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	98.540%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.353	50	755	Below Cal	#	41
6) Chloroethane	3.206	64	1255	Below Cal	#	45
11) Tert butyl alcohol	5.483	59	3560	10.032	ug/l #	73
16) Acetone	4.430	43	34193	41.652	ug/l	98
18) Methyl Acetate	5.024	43	8597	Below Cal	#	73
20) Methylene Chloride	5.265	84	1517	0.642	ug/l #	90
25) 2-Butanone	7.483	43	4531	3.613	ug/l	92
29) Tetrahydrofuran	7.835	42	488	0.586	ug/l #	34
31) Cyclohexane	8.224	56	4129	1.112	ug/l #	13
36) 1,1-Dichloropropene	8.224	75	15458	4.941	ug/l #	51
37) Ethyl Acetate	7.559	43	2497	0.880	ug/l #	79
38) Carbon Tetrachloride	8.218	117	19735	5.644	ug/l #	16
41) Methacrylonitrile	7.847	41	361	0.237	ug/l #	24
43) Isopropyl Acetate	8.694	43	181514	34.312	ug/l #	79
45) 1,2-Dichloropropane	9.741	63	1215	0.516	ug/l #	44
48) Methyl methacrylate	9.665	41	3145	1.424	ug/l #	38
51) 4-Methyl-2-Pentanone	10.447	43	5290	1.955	ug/l	100
54) cis-1,3-Dichloropropene	10.359	75	37806	9.844	ug/l #	61
56) Ethyl methacrylate	10.982	69	1083	0.338	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5162	1.359	ug/l #	42
59) 2-Hexanone	11.200	43	56016	28.441	ug/l #	57
74) N-amyl acetate	12.476	43	1354	0.332	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	78890	28.839	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	78890	68.417	ug/l #	11
95) Naphthalene	15.641	128	1796	0.227	ug/l #	74

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

Instrument :
MSVOA_N
ClientSampleId :

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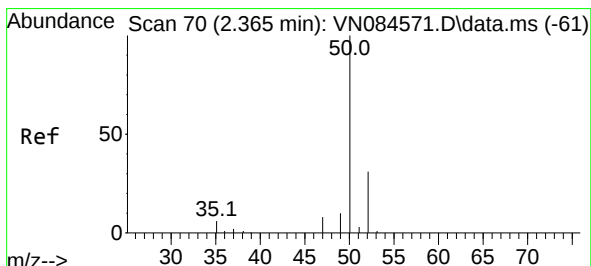
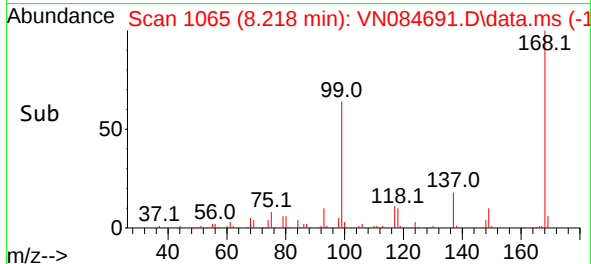
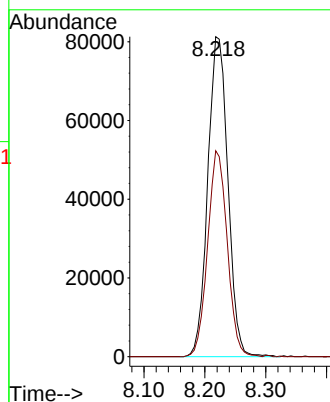
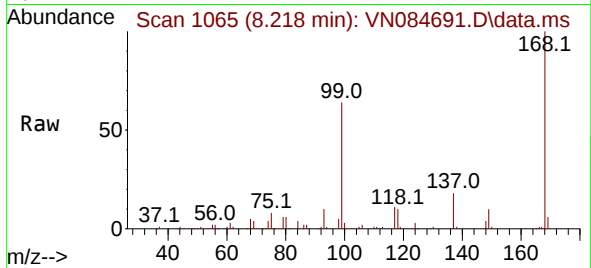




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084691.D
Acq: 05 Nov 2024 16:35

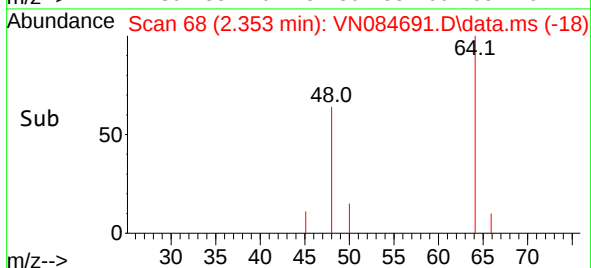
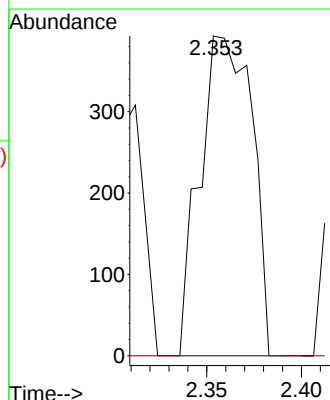
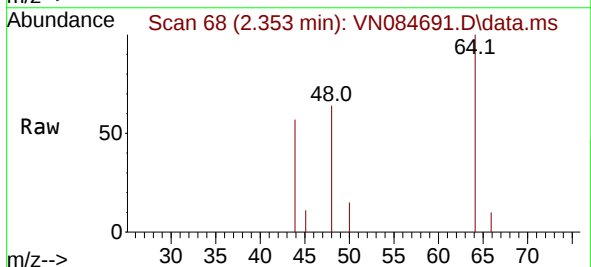
Instrument :
MSVOA_N
ClientSampleId :

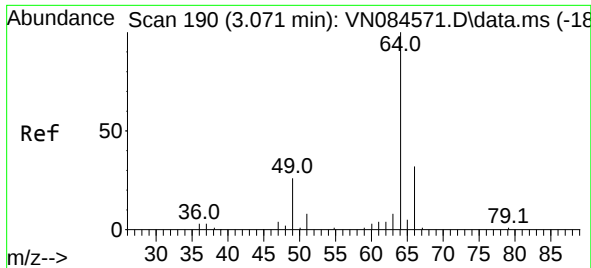
Tgt Ion:168 Resp: 186137
Ion Ratio Lower Upper
168 100
99 64.4 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.353 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN084691.D
Acq: 05 Nov 2024 16:35

Tgt Ion: 50 Resp: 755
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

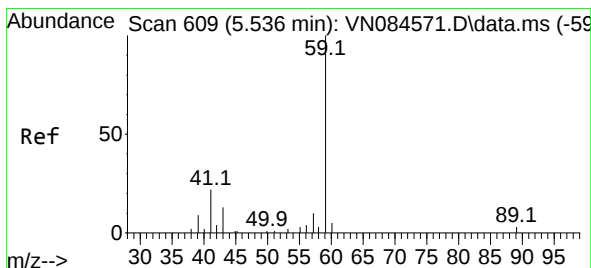
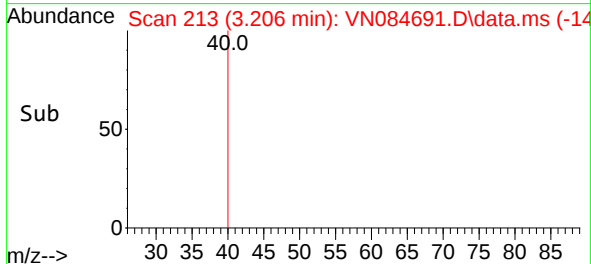
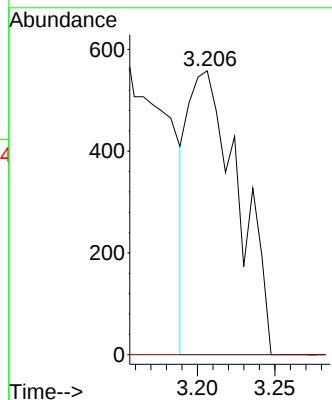
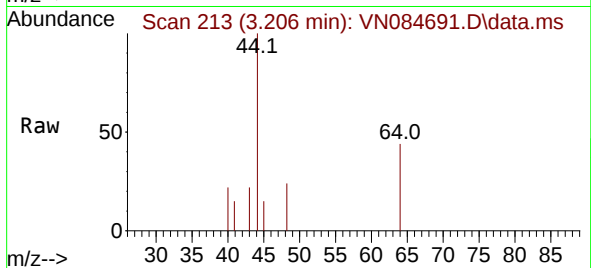




#6
Chloroethane
Concen: Below Cal
RT: 3.206 min Scan# 213
Delta R.T. 0.088 min
Lab File: VN084691.D
Acq: 05 Nov 2024 16:35

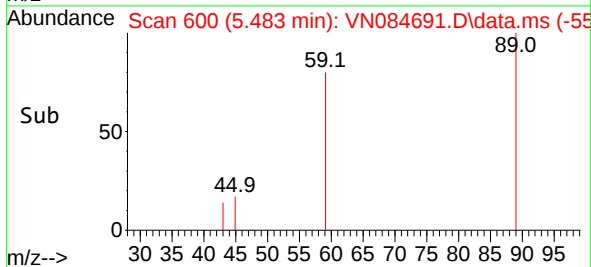
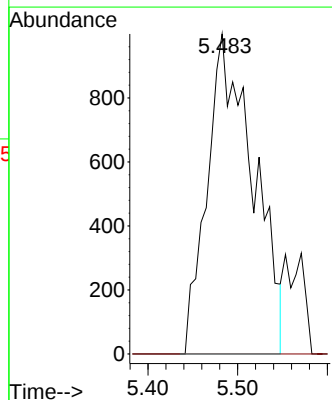
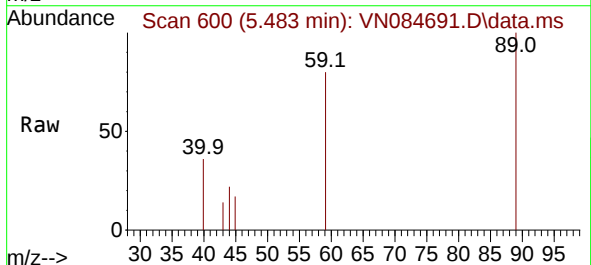
Instrument :
MSVOA_N
ClientSampleId :

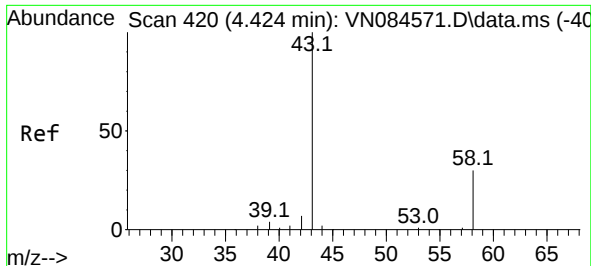
Tgt Ion: 64 Resp: 1255
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 10.032 ug/l
RT: 5.483 min Scan# 600
Delta R.T. -0.041 min
Lab File: VN084691.D
Acq: 05 Nov 2024 16:35

Tgt Ion: 59 Resp: 3560
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

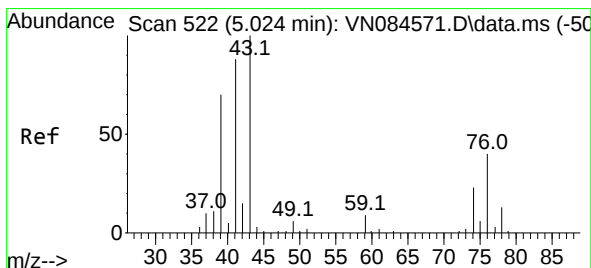
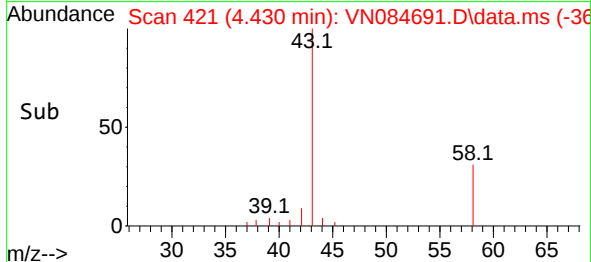
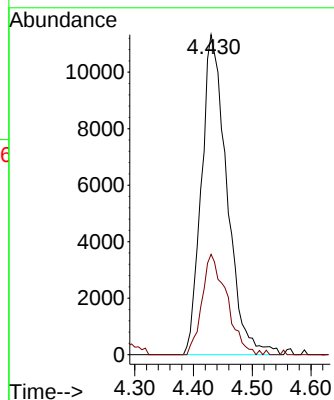
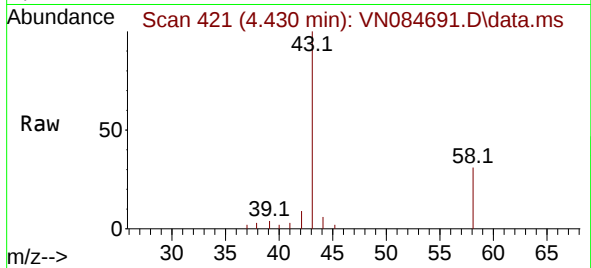




#16
Acetone
Concen: 41.652 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN084691.D
Acq: 05 Nov 2024 16:35

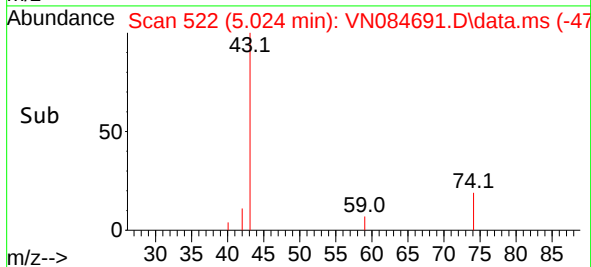
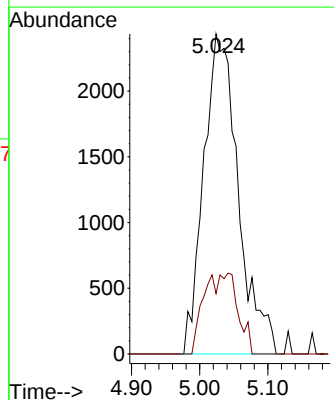
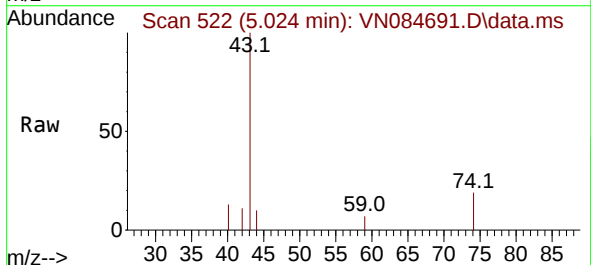
Instrument :
MSVOA_N
ClientSampleId :

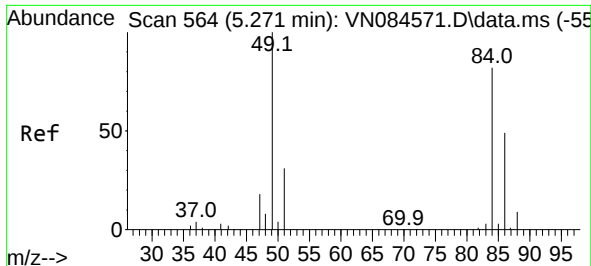
Tgt Ion: 43 Resp: 34193
Ion Ratio Lower Upper
43 100
58 31.4 24.4 36.6



#18
Methyl Acetate
Concen: Below Cal
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084691.D
Acq: 05 Nov 2024 16:35

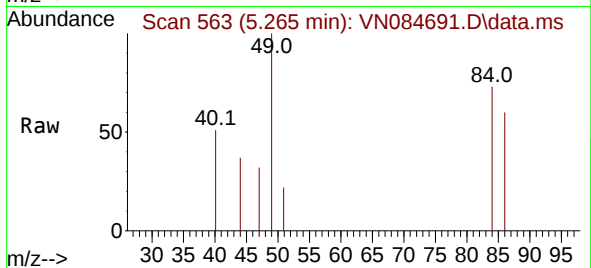
Tgt Ion: 43 Resp: 8597
Ion Ratio Lower Upper
43 100
74 10.7 19.2 28.8#





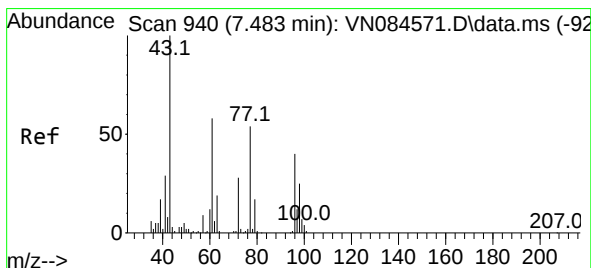
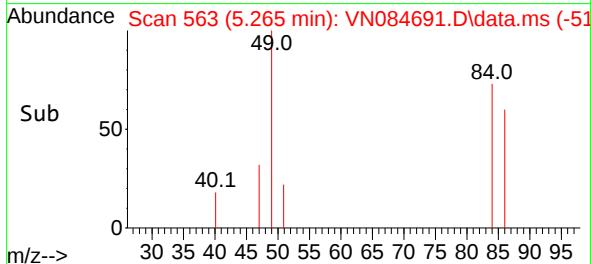
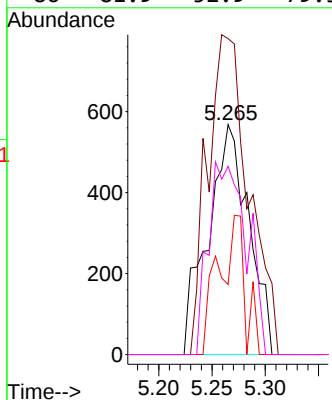
#20
Methylene Chloride
Concen: 0.642 ug/l
RT: 5.265 min Scan# 501
Delta R.T. -0.012 min
Lab File: VN084691.D
Acq: 05 Nov 2024 16:35

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 1517

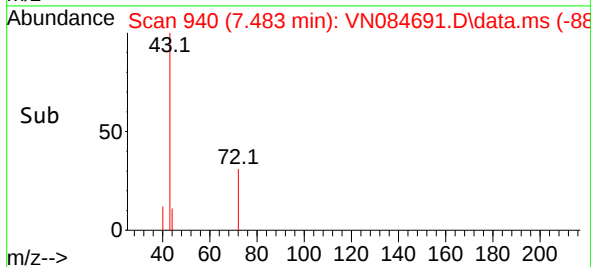
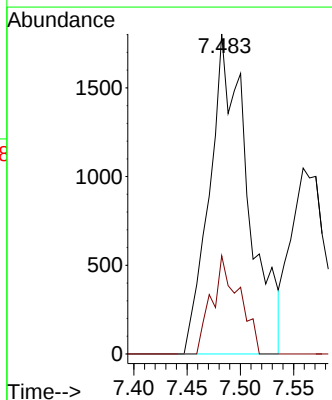
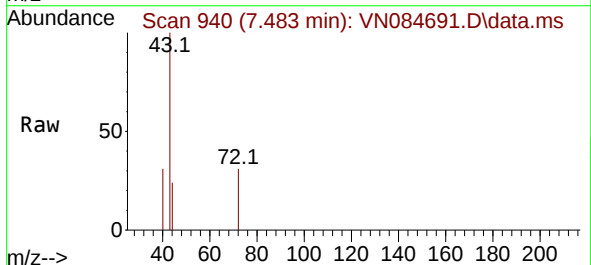
Ion	Ratio	Lower	Upper
84	100		
49	137.3	107.2	160.8
51	30.5	31.8	47.8#
86	81.9	52.9	79.3#

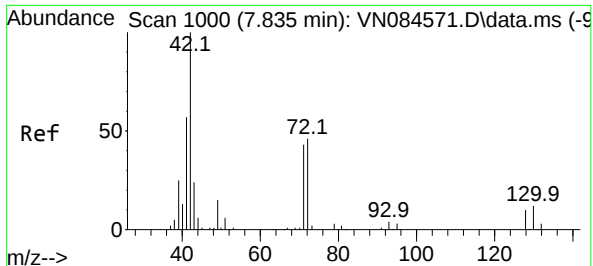


#25
2-Butanone
Concen: 3.613 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN084691.D
Acq: 05 Nov 2024 16:35

Tgt Ion: 43 Resp: 4531

Ion	Ratio	Lower	Upper
43	100		
72	30.7	21.4	32.2





#29

Tetrahydrofuran

Concen: 0.586 ug/l

RT: 7.835 min Scan# 1066

Delta R.T. -0.000 min

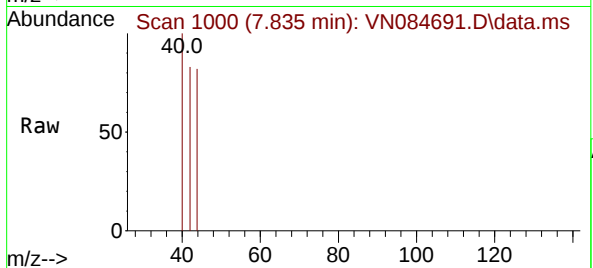
Lab File: VN084691.D

Acq: 05 Nov 2024 16:35

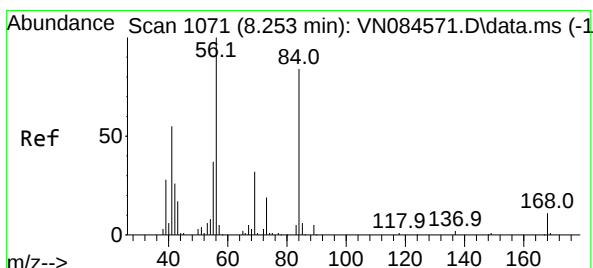
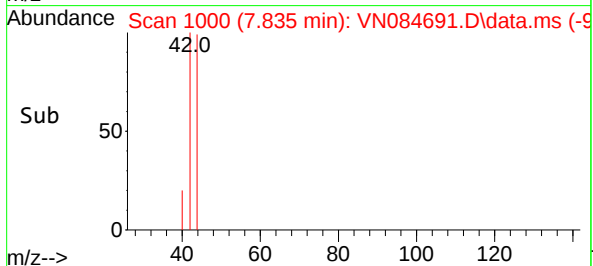
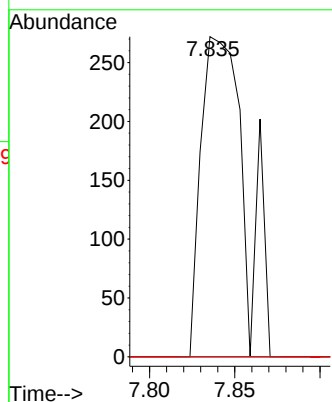
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	488
Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.6	51.8#
71	0.0	32.2	48.4#



#31

Cyclohexane

Concen: 1.112 ug/l

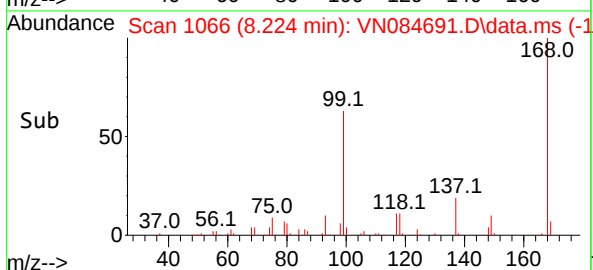
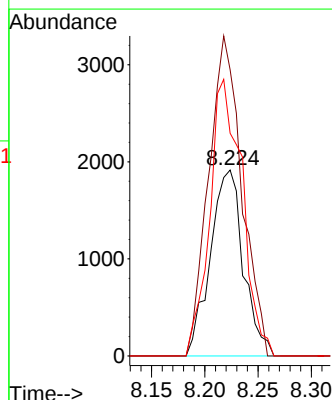
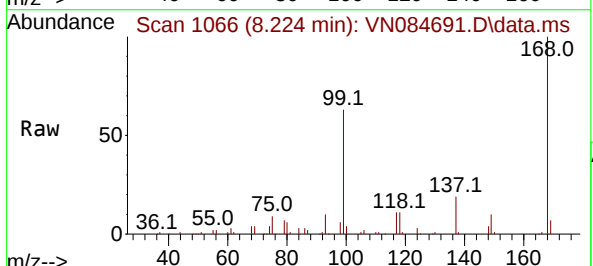
RT: 8.224 min Scan# 1066

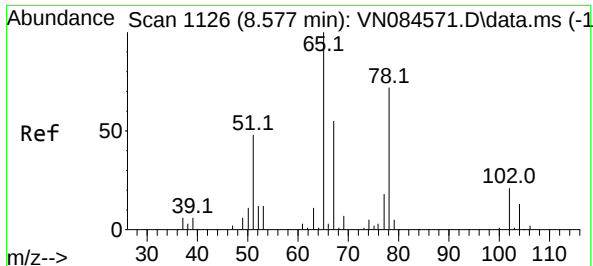
Delta R.T. -0.029 min

Lab File: VN084691.D

Acq: 05 Nov 2024 16:35

Tgt Ion:	56	Resp:	4129
Ion	Ratio	Lower	Upper
56	100		
69	154.0	23.8	35.6#
84	119.8	68.8	103.2#





#33

1,2-Dichloroethane-d4

Concen: 49.089 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN084691.D

Acq: 05 Nov 2024 16:35

Instrument :

MSVOA_N

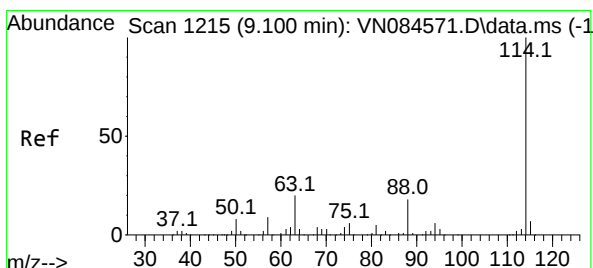
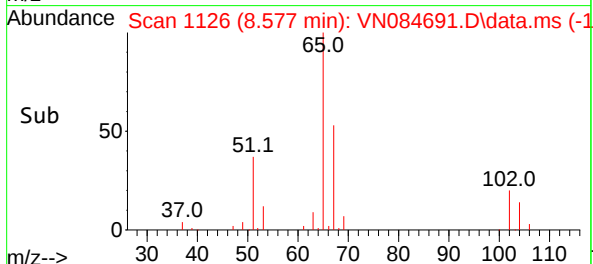
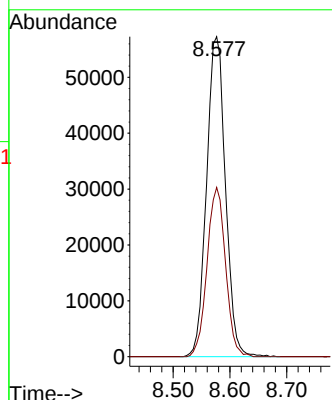
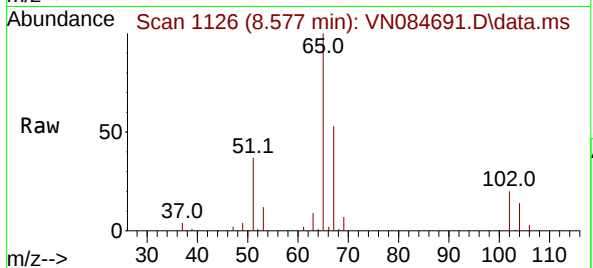
ClientSampleId :

Tgt Ion: 65 Resp: 131974

Ion Ratio Lower Upper

65 100

67 51.8 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: VN084691.D

Acq: 05 Nov 2024 16:35

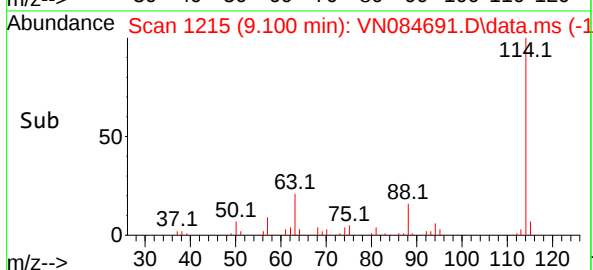
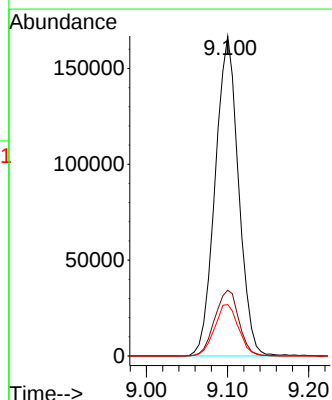
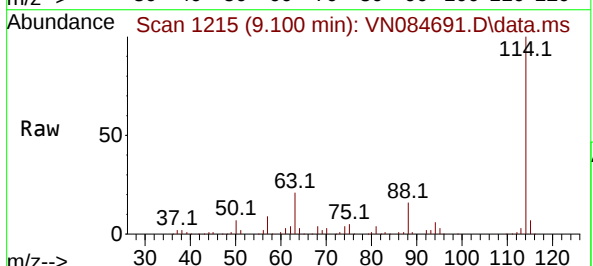
Tgt Ion: 114 Resp: 333259

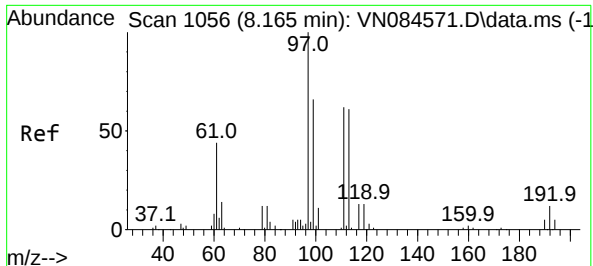
Ion Ratio Lower Upper

114 100

63 20.6 0.0 43.8

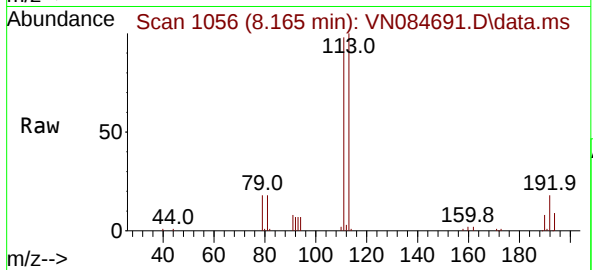
88 16.1 0.0 31.6



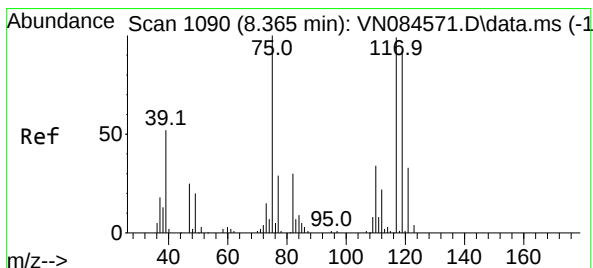
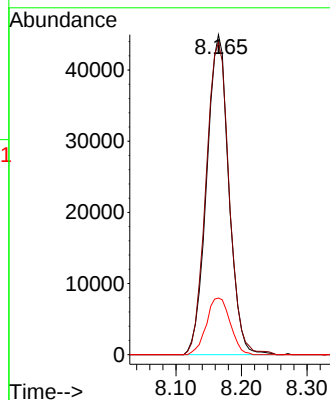
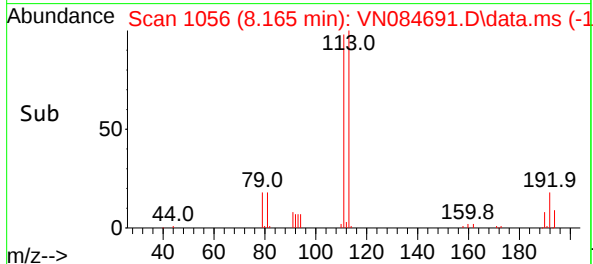


#35
Dibromofluoromethane
Concen: 46.829 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084691.D
Acq: 05 Nov 2024 16:35

Instrument :
MSVOA_N
ClientSampleId :

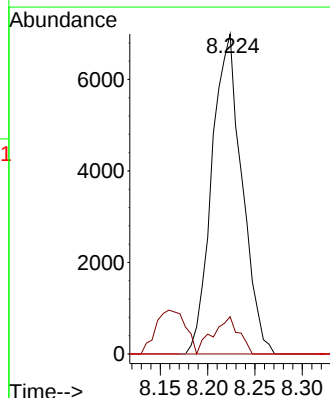
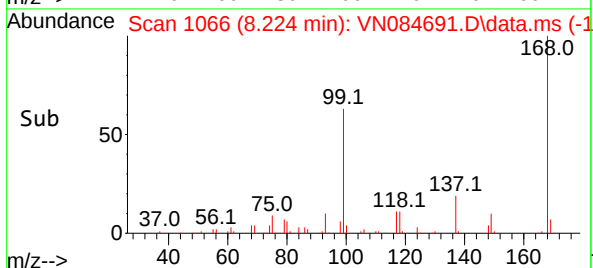
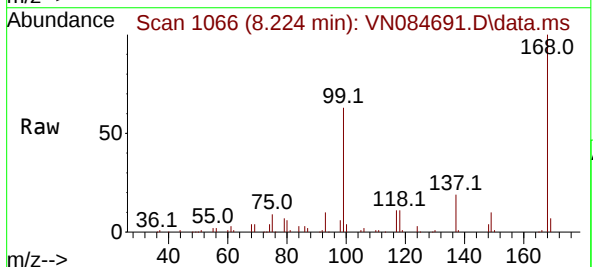


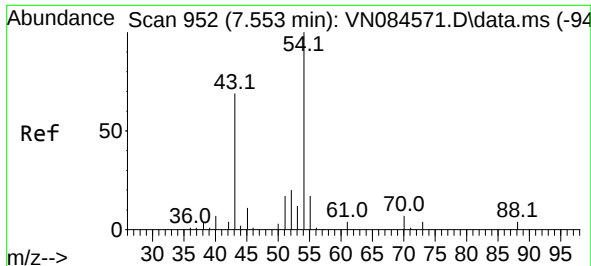
Tgt Ion:113 Resp: 105635
Ion Ratio Lower Upper
113 100
111 101.8 83.3 124.9
192 18.9 13.5 20.3



#36
1,1-Dichloropropene
Concen: 4.941 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN084691.D
Acq: 05 Nov 2024 16:35

Tgt Ion: 75 Resp: 15458
Ion Ratio Lower Upper
75 100
110 9.9 16.9 50.7#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.880 ug/l

RT: 7.559 min Scan# 91

Delta R.T. -0.000 min

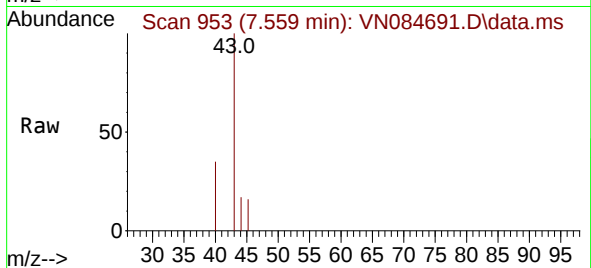
Lab File: VN084691.D

Acq: 05 Nov 2024 16:35

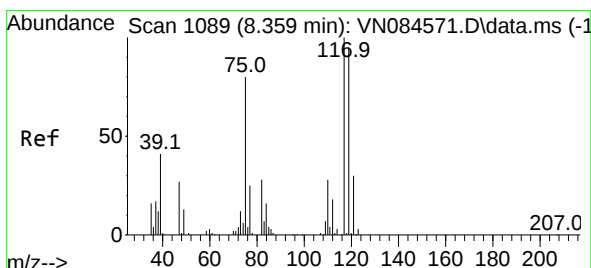
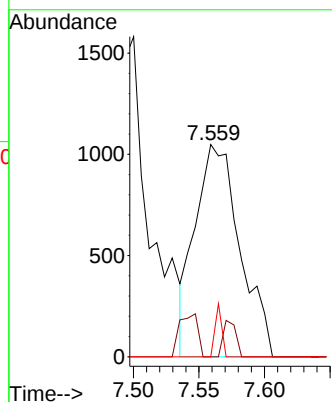
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	2497
Ion	Ratio	Lower	Upper
43	100		
61	4.8	10.7	16.1#
70	3.7	8.8	13.2#



#38

Carbon Tetrachloride

Concen: 5.644 ug/l

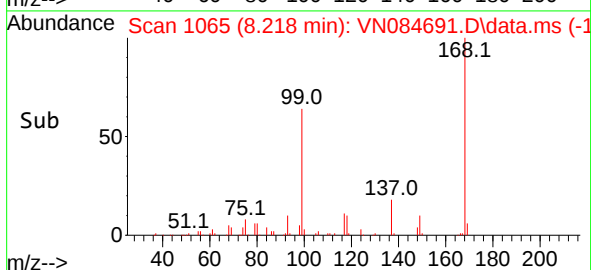
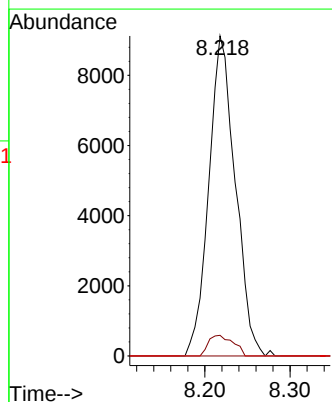
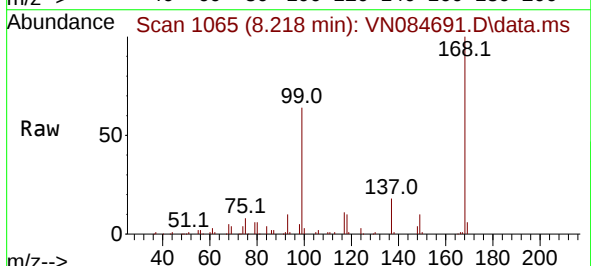
RT: 8.218 min Scan# 1065

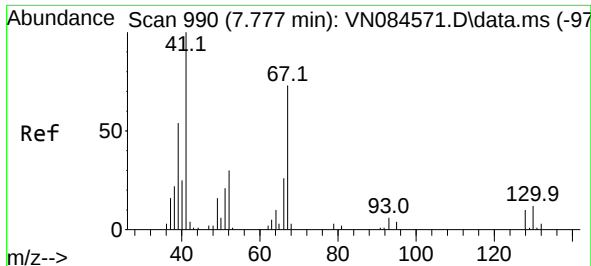
Delta R.T. -0.141 min

Lab File: VN084691.D

Acq: 05 Nov 2024 16:35

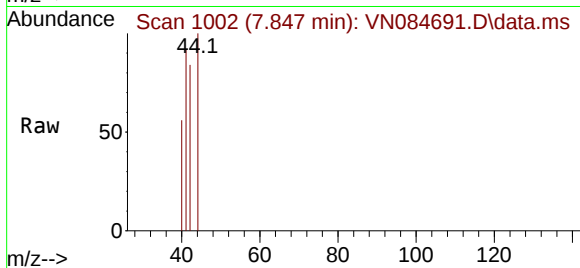
Tgt Ion:	117	Resp:	19735
Ion	Ratio	Lower	Upper
117	100		
119	6.4	78.7	118.1#
121	0.0	24.4	36.6#



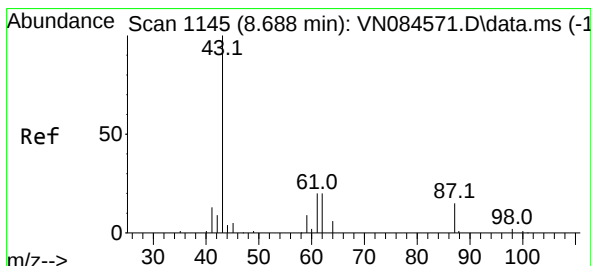
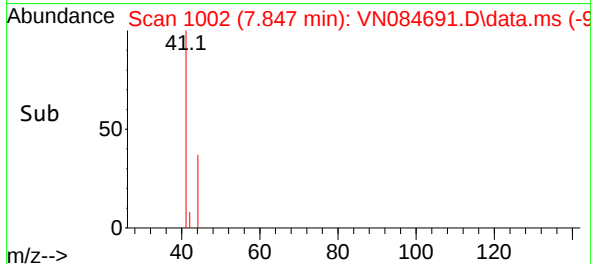
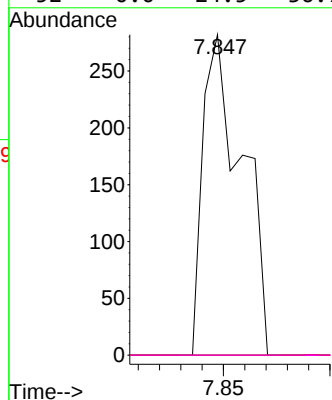


#41
Methacrylonitrile
Concen: 0.237 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.070 min
Lab File: VN084691.D
Acq: 05 Nov 2024 16:35

Instrument :
MSVOA_N
ClientSampleId :

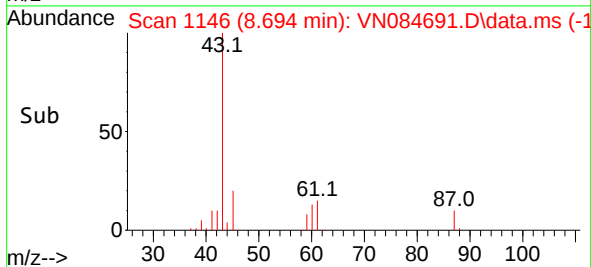
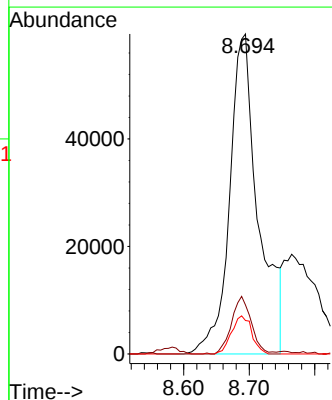
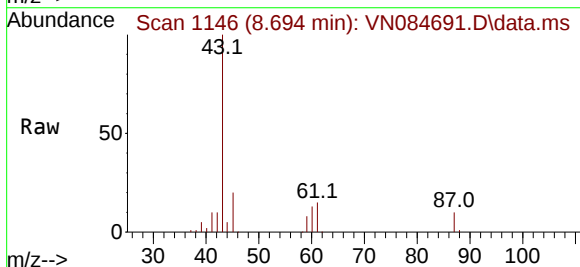


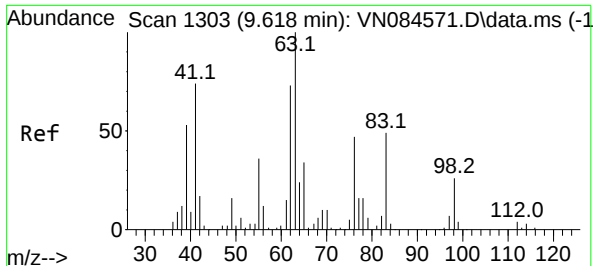
Tgt Ion: 41	Resp: 361
Ion Ratio	Lower Upper
41 100	
39 0.0	43.3 64.9#
67 0.0	56.1 84.1#
52 0.0	24.5 36.7#



#43
Isopropyl Acetate
Concen: 34.312 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN084691.D
Acq: 05 Nov 2024 16:35

Tgt Ion: 43	Resp: 181514
Ion Ratio	Lower Upper
43 100	
61 12.5	20.4 30.6#
87 8.4	10.3 15.5#





#45

1,2-Dichloropropane

Concen: 0.516 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.123 min

Lab File: VN084691.D

Acq: 05 Nov 2024 16:35

Instrument :

MSVOA_N

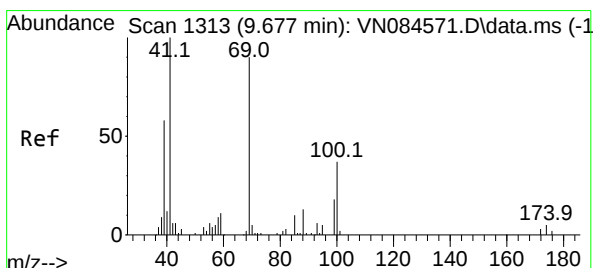
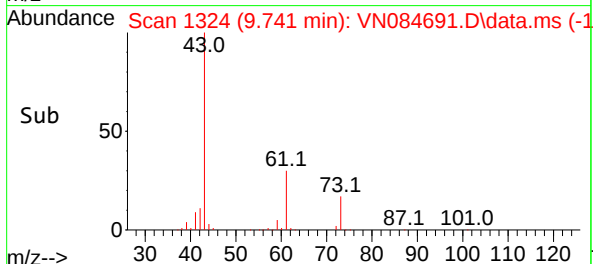
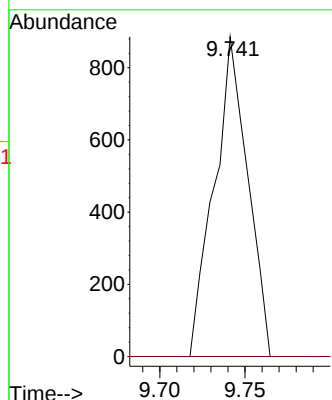
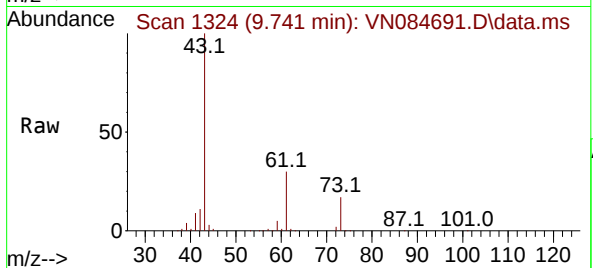
ClientSampleId :

Tgt Ion: 63 Resp: 1215

Ion Ratio Lower Upper

63 100

65 0.0 24.6 37.0#



#48

Methyl methacrylate

Concen: 1.424 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.012 min

Lab File: VN084691.D

Acq: 05 Nov 2024 16:35

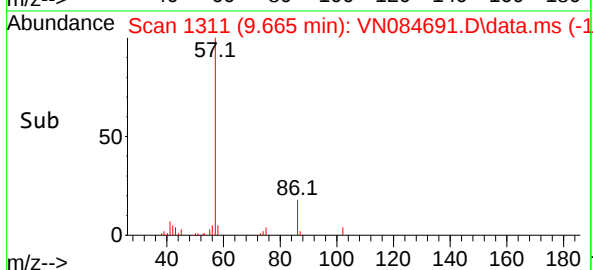
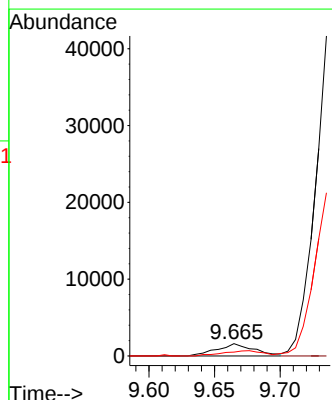
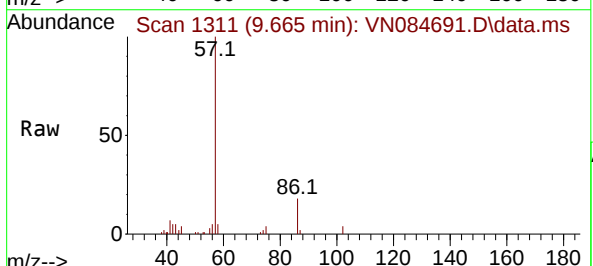
Tgt Ion: 41 Resp: 3145

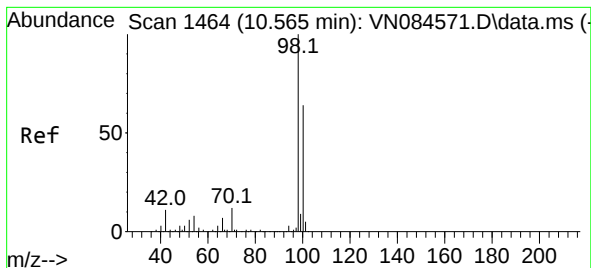
Ion Ratio Lower Upper

41 100

69 0.0 67.1 100.7#

39 45.0 45.8 68.6#

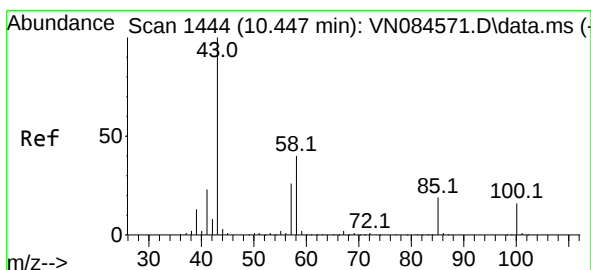
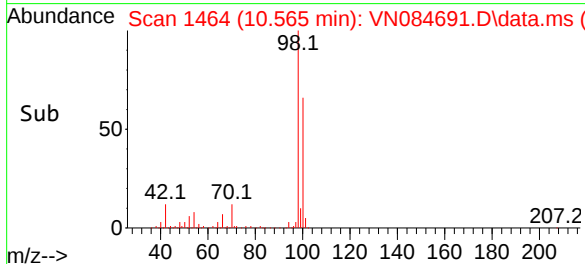
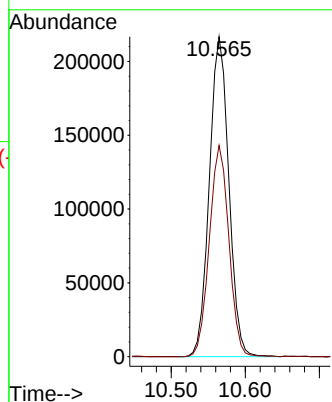
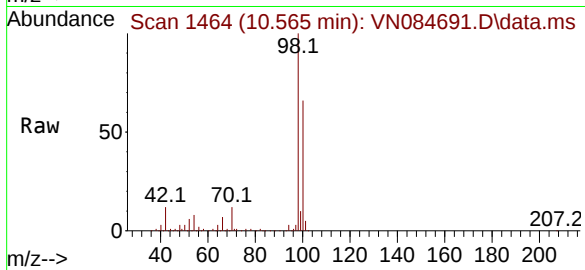




#50
Toluene-d8
Concen: 47.618 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084691.D
Acq: 05 Nov 2024 16:35

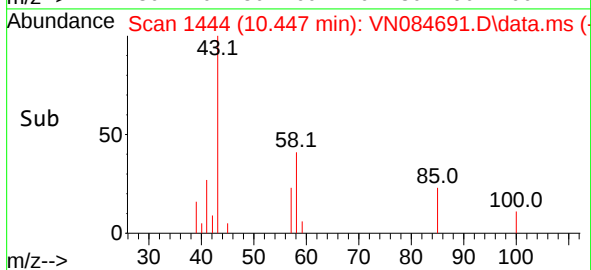
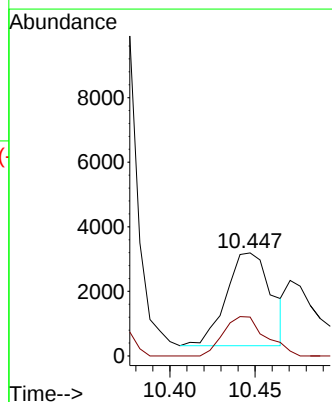
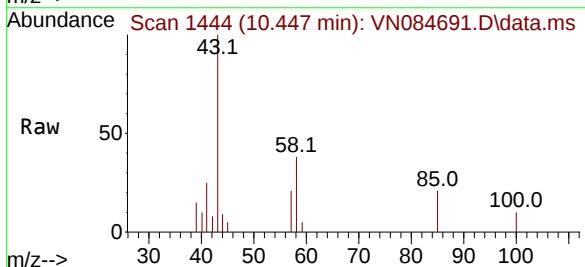
Instrument :
MSVOA_N
ClientSampleId :

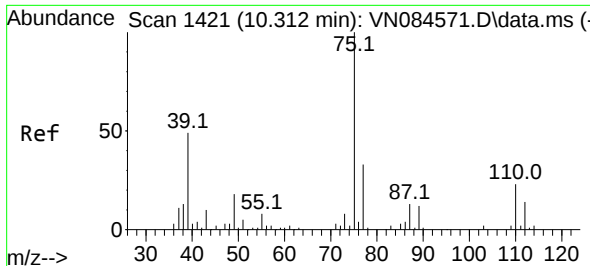
Tgt Ion: 98 Resp: 395681
Ion Ratio Lower Upper
98 100
100 66.2 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 1.955 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN084691.D
Acq: 05 Nov 2024 16:35

Tgt Ion: 43 Resp: 5290
Ion Ratio Lower Upper
43 100
58 39.8 31.6 47.4

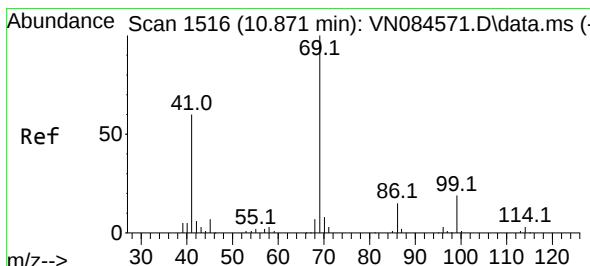
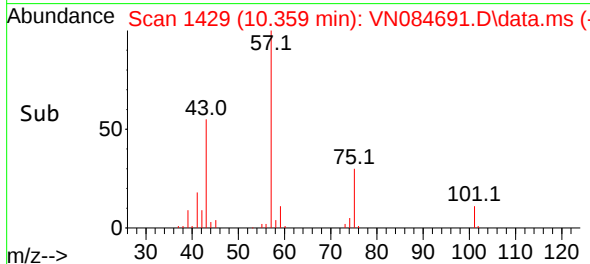
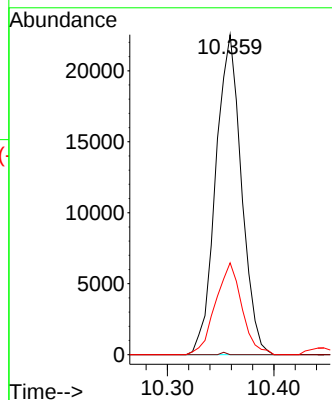
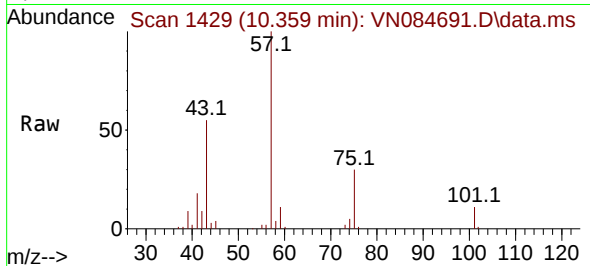




#54
 cis-1,3-Dichloropropene
 Concen: 9.844 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN084691.D
 Acq: 05 Nov 2024 16:35

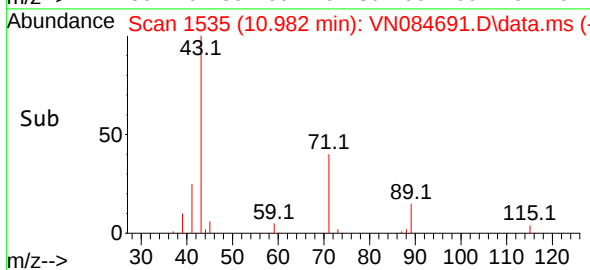
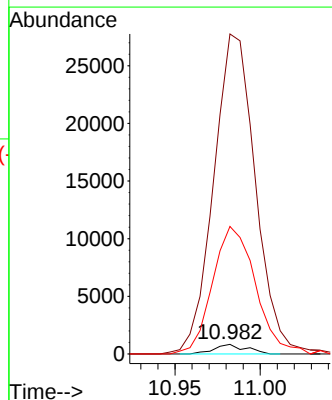
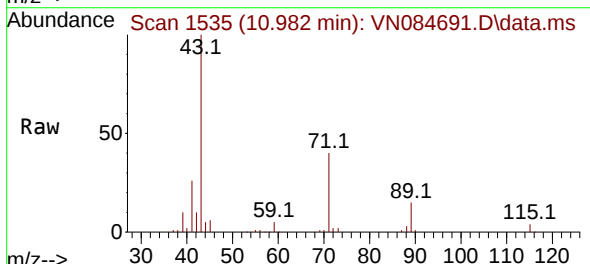
Instrument :
 MSVOA_N
 ClientSampleId :

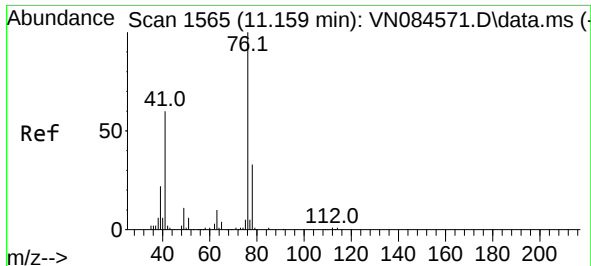
Tgt Ion: 75 Resp: 37806
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.2 36.2#
 39 28.7 38.7 58.1#



#56
 Ethyl methacrylate
 Concen: 0.338 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.112 min
 Lab File: VN084691.D
 Acq: 05 Nov 2024 16:35

Tgt Ion: 69 Resp: 1083
 Ion Ratio Lower Upper
 69 100
 41 4397.5 53.3 79.9#
 39 1801.0 28.8 43.2#





#57

1,3-Dichloropropane

Concen: 1.359 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN084691.D

Acq: 05 Nov 2024 16:35

Instrument :

MSVOA_N

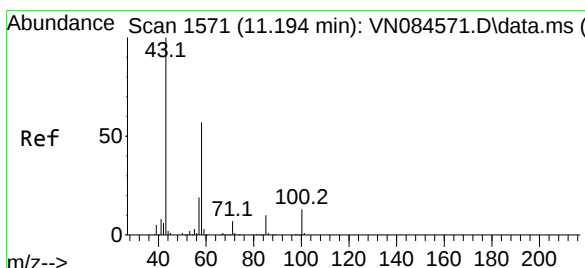
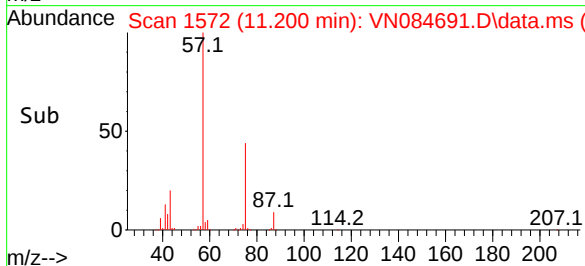
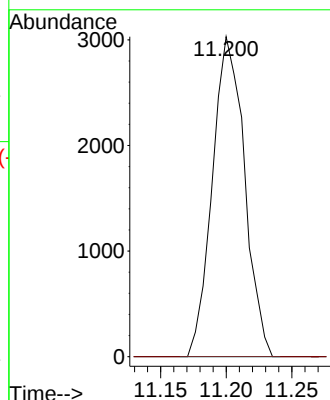
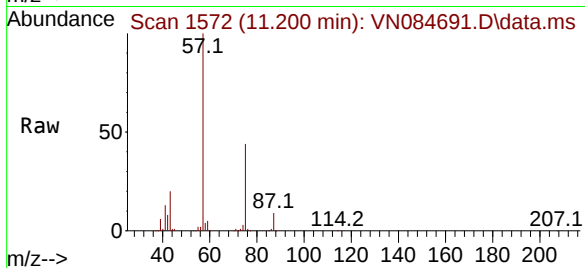
ClientSampleId :

Tgt Ion: 76 Resp: 5162

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 28.441 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN084691.D

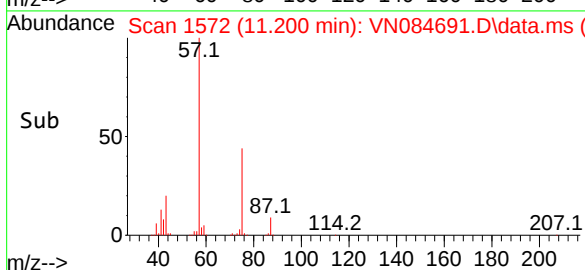
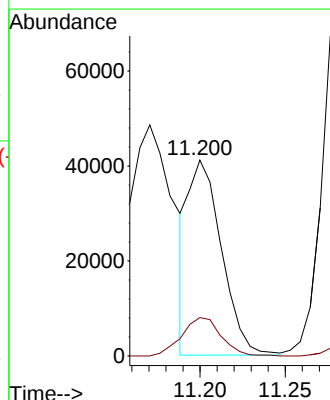
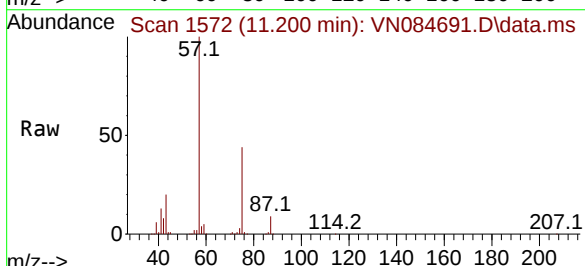
Acq: 05 Nov 2024 16:35

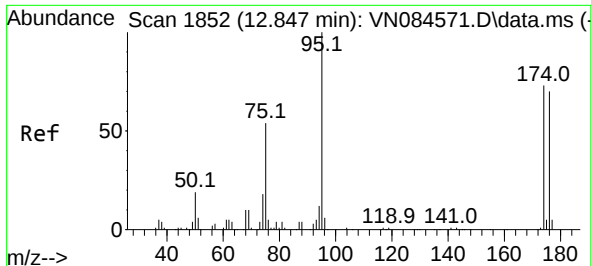
Tgt Ion: 43 Resp: 56016

Ion Ratio Lower Upper

43 100

58 23.2 27.3 81.8#

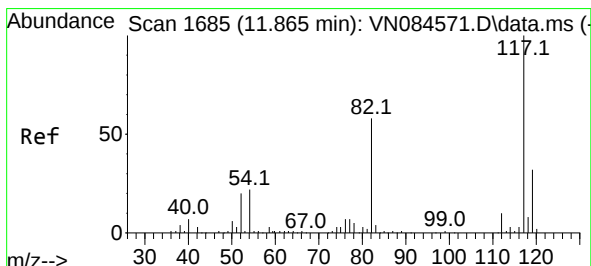
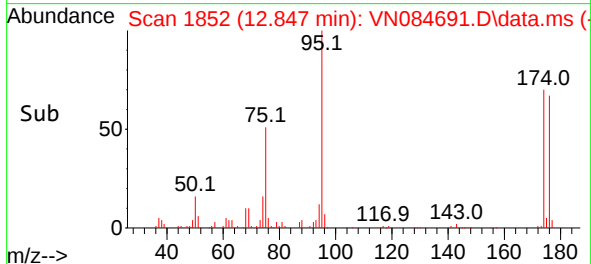
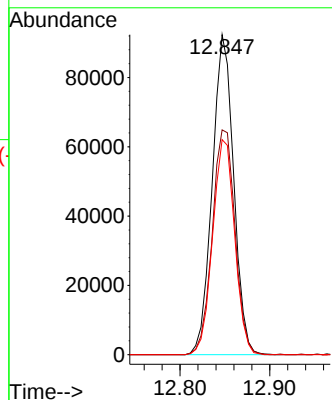
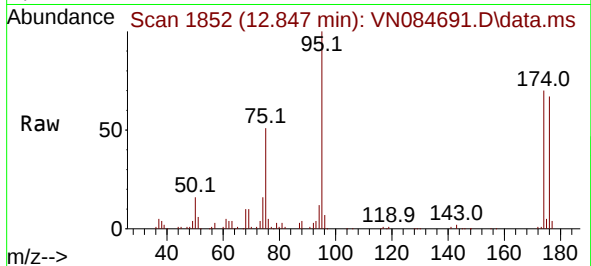




#62
4-Bromofluorobenzene
Concen: 49.267 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084691.D
Acq: 05 Nov 2024 16:35

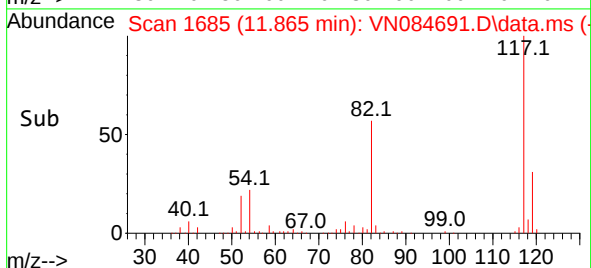
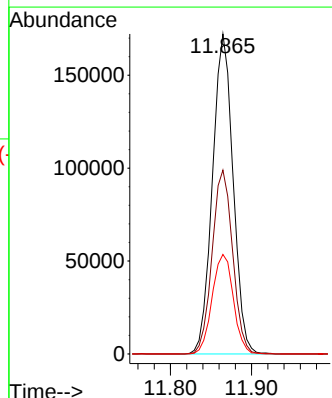
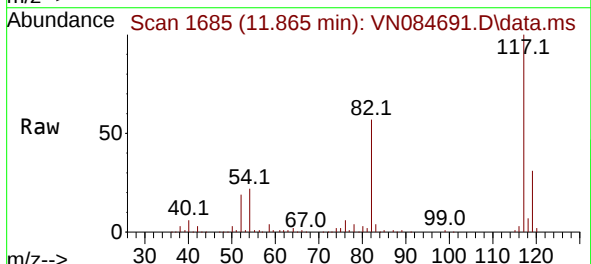
Instrument :
MSVOA_N
ClientSampleId :

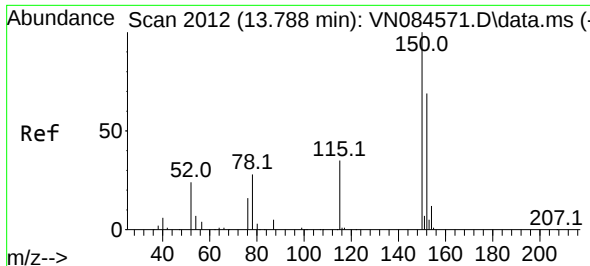
Tgt Ion: 95 Resp: 153000
Ion Ratio Lower Upper
95 100
174 74.7 0.0 145.2
176 69.2 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084691.D
Acq: 05 Nov 2024 16:35

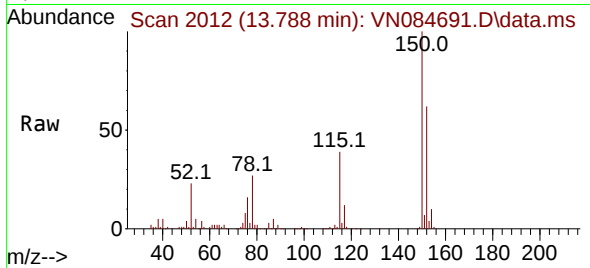
Tgt Ion: 117 Resp: 303530
Ion Ratio Lower Upper
117 100
82 57.4 47.2 70.8
119 31.1 25.4 38.0



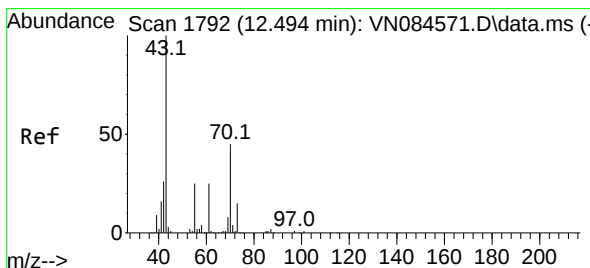
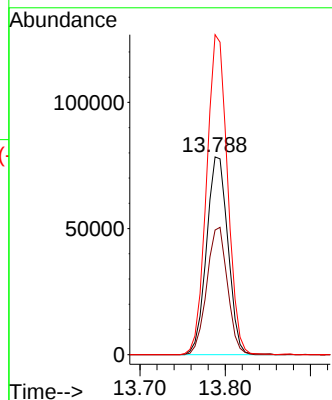
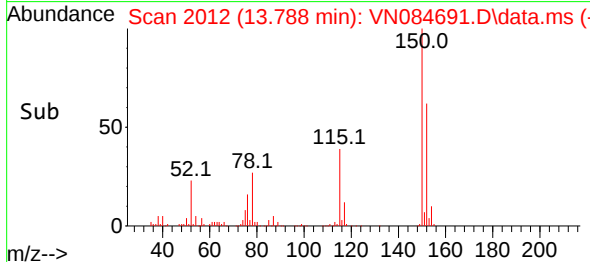


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084691.D
Acq: 05 Nov 2024 16:35

Instrument :
MSVOA_N
ClientSampleId :

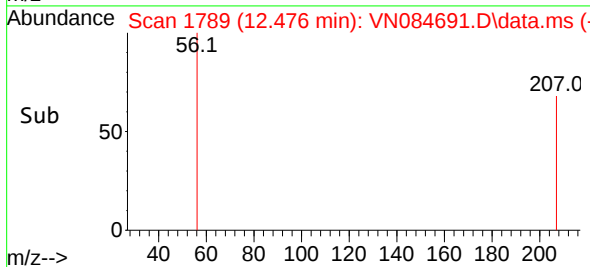
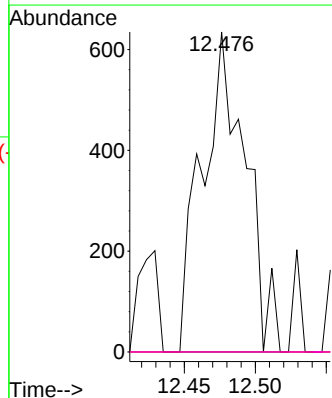
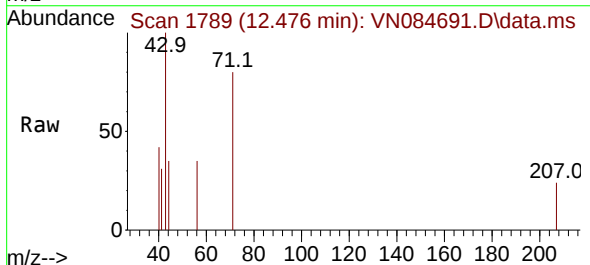


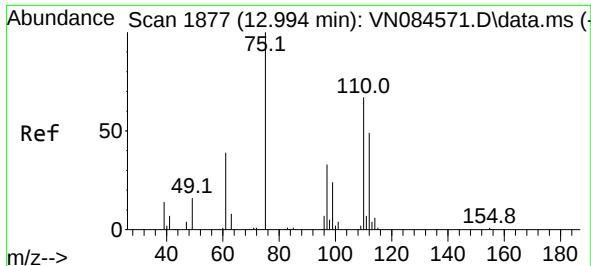
Tgt Ion:152 Resp: 136849
Ion Ratio Lower Upper
152 100
115 62.3 31.3 93.9
150 157.9 0.0 349.8



#74
N-ethyl acetate
Concen: 0.332 ug/l
RT: 12.476 min Scan# 1789
Delta R.T. -0.018 min
Lab File: VN084691.D
Acq: 05 Nov 2024 16:35

Tgt Ion: 43 Resp: 1354
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#

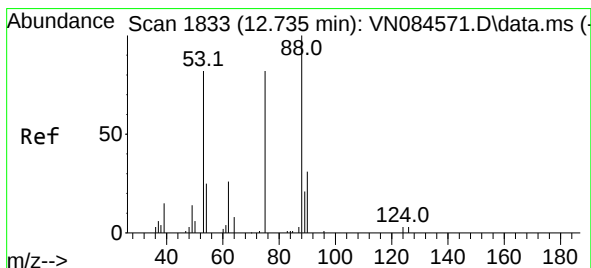
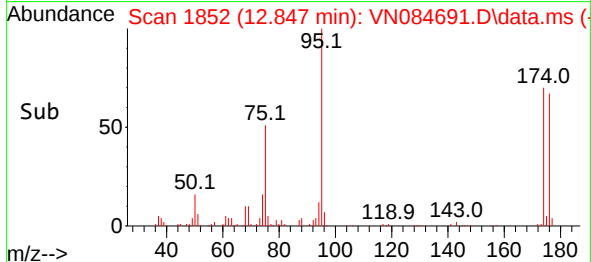
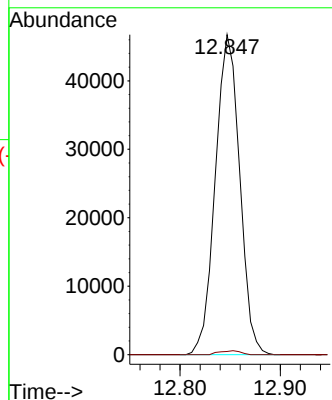
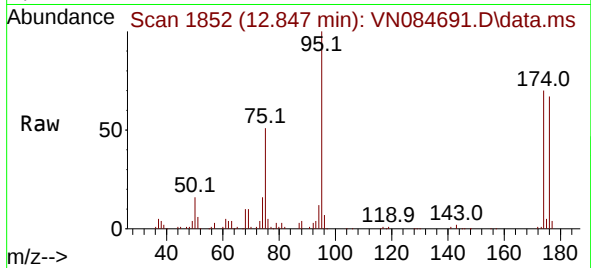




#76
1,2,3-Trichloropropane
Concen: 28.839 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084691.D
Acq: 05 Nov 2024 16:35

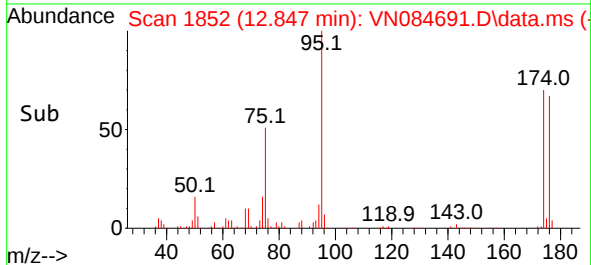
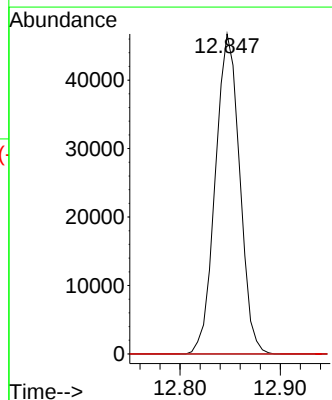
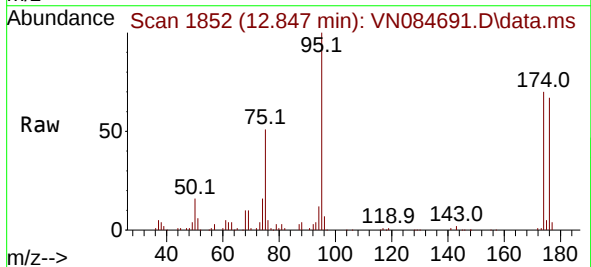
Instrument :
MSVOA_N
ClientSampleId :

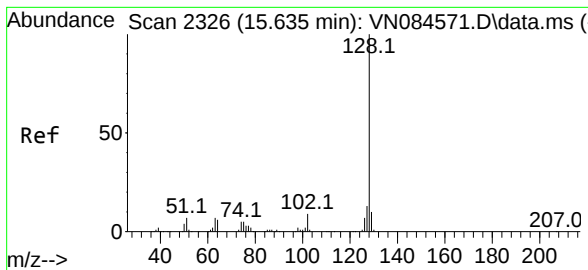
Tgt Ion: 75 Resp: 78890
Ion Ratio Lower Upper
75 100
77 1.1 96.9 290.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.417 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084691.D
Acq: 05 Nov 2024 16:35

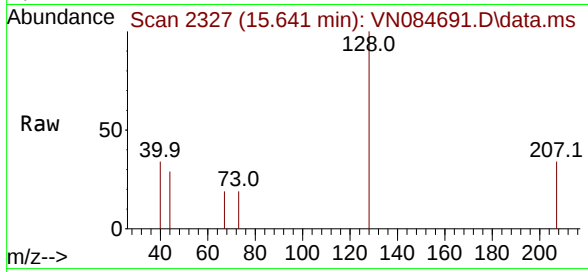
Tgt Ion: 75 Resp: 78890
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#





#95
Naphthalene
Concen: 0.227 ug/l
RT: 15.641 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN084691.D
Acq: 05 Nov 2024 16:35

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	1796
Ion	Ratio	Lower	Upper
128	100		
127	4.0	10.5	15.7#
129	0.0	8.7	13.1#

