

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110524\
 Data File : VN084697.D
 Acq On : 05 Nov 2024 19:00
 Operator : JC\MD
 Sample : P4701-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 06 00:37:17 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

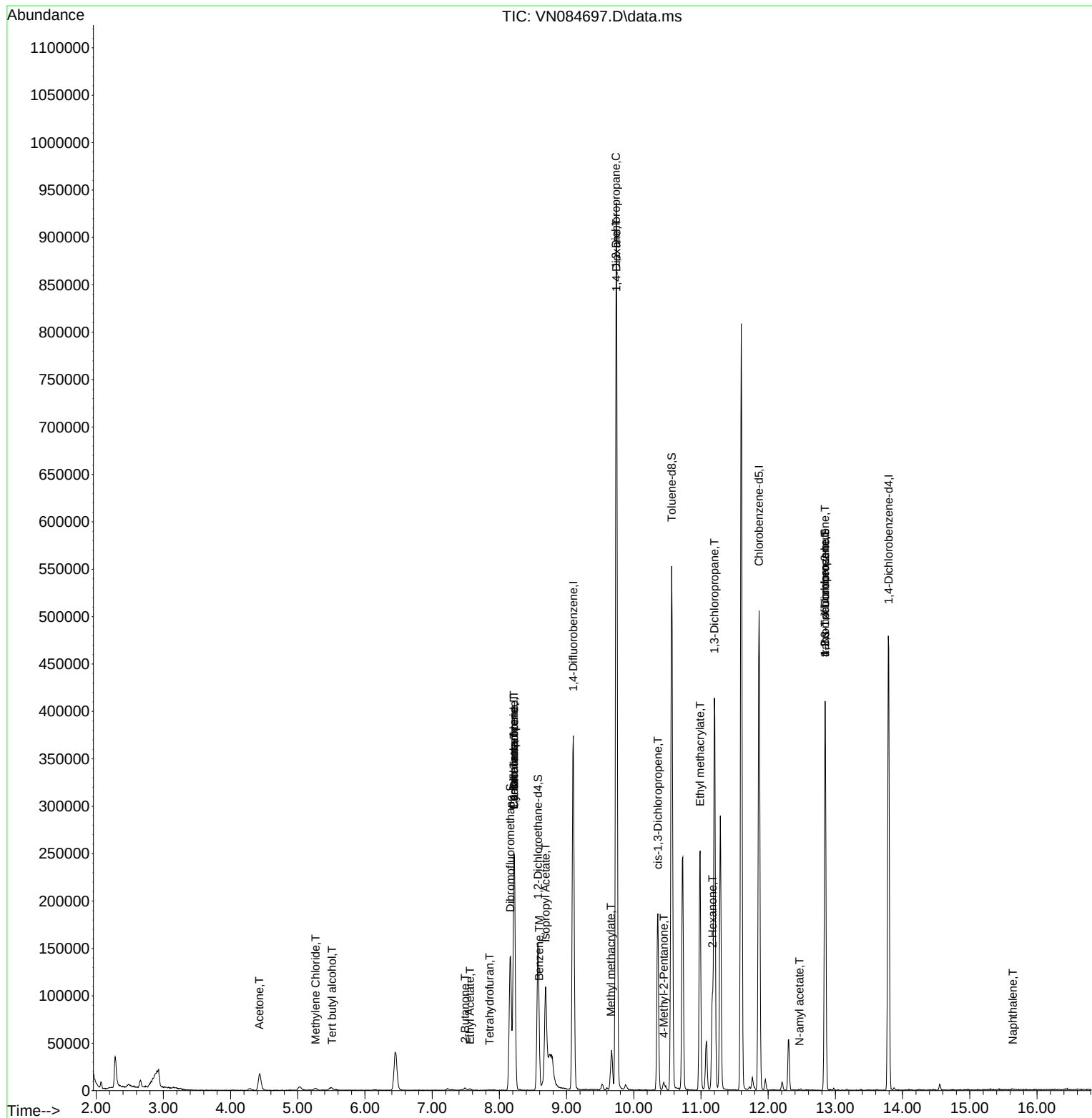
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

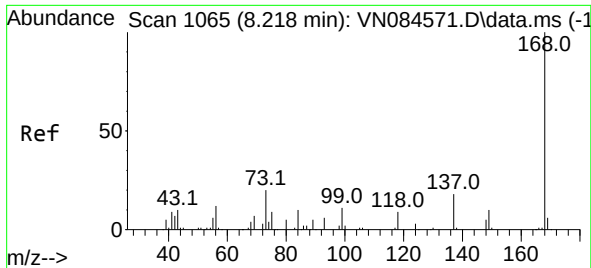
Internal Standards						
1) Pentafluorobenzene	8.218	168	183311	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	323785	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	290699	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	130047	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	128759	48.632	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.260%		
35) Dibromofluoromethane	8.165	113	105082	47.947	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.900%		
50) Toluene-d8	10.565	98	383253	47.472	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.940%		
62) 4-Bromofluorobenzene	12.847	95	142019	47.069	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	94.140%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	544	Below Cal	#	41
6) Chloroethane	3.089	64	489	Below Cal	#	45
11) Tert butyl alcohol	5.512	59	1992	5.700	ug/l #	73
16) Acetone	4.430	43	33797	41.815	ug/l	100
18) Methyl Acetate	5.024	43	7730	Below Cal	#	74
20) Methylene Chloride	5.265	84	1632	0.701	ug/l #	65
25) 2-Butanone	7.489	43	4419	3.578	ug/l	96
29) Tetrahydrofuran	7.853	42	476	0.581	ug/l #	34
31) Cyclohexane	8.218	56	4258	1.165	ug/l #	16
36) 1,1-Dichloropropene	8.218	75	14886	4.897	ug/l #	50
37) Ethyl Acetate	7.565	43	2365	0.858	ug/l #	81
38) Carbon Tetrachloride	8.218	117	19540	5.751	ug/l #	16
40) Benzene	8.594	78	2302	0.236	ug/l #	75
43) Isopropyl Acetate	8.688	43	141774	27.391	ug/l #	83
45) 1,2-Dichloropropane	9.735	63	1220	0.533	ug/l #	44
48) Methyl methacrylate	9.659	41	2599	1.211	ug/l #	45
49) 1,4-Dioxane	9.741	88	53	1.394	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	9131	3.473	ug/l #	73
54) cis-1,3-Dichloropropene	10.359	75	34855	9.341	ug/l #	59
56) Ethyl methacrylate	10.988	69	1162	0.374	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4292	1.163	ug/l #	42
59) 2-Hexanone	11.171	43	83144	43.450	ug/l #	24
74) N-amyl acetate	12.465	43	891	0.230	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	74216	28.549	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	74216	67.730	ug/l #	11
88) 1,4-Dichlorobenzene	13.800	146	59	Below Cal	#	1
95) Naphthalene	15.641	128	1631	0.217	ug/l #	80

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

Instrument :
MSVOA_N
ClientSampleId :

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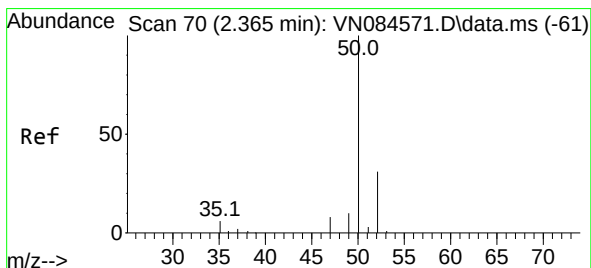
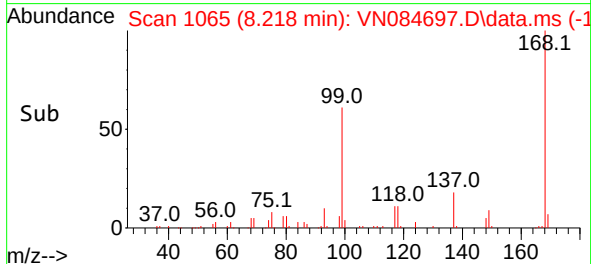
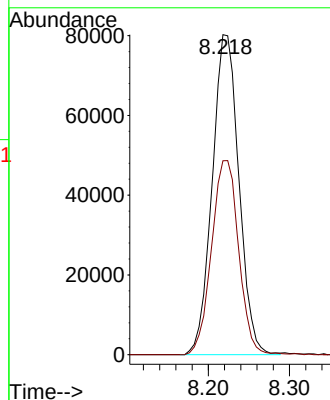
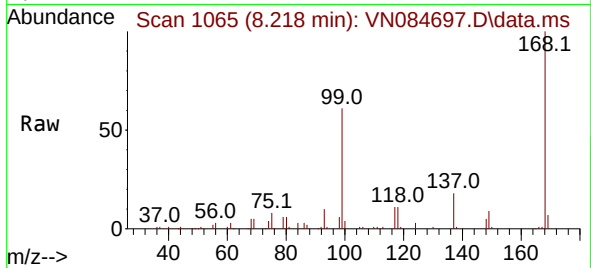




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084697.D
Acq: 05 Nov 2024 19:00

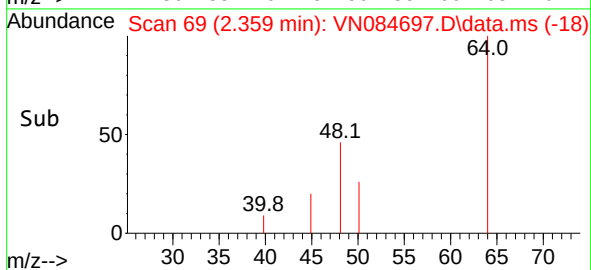
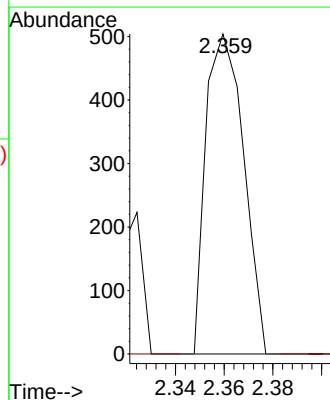
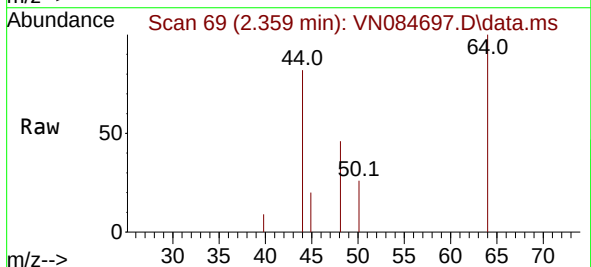
Instrument :
MSVOA_N
ClientSampleId :

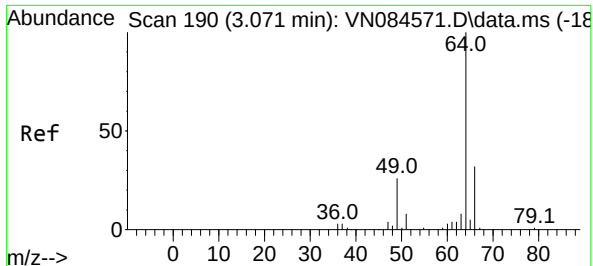
Tgt Ion:168 Resp: 183311
Ion Ratio Lower Upper
168 100
99 60.6 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084697.D
Acq: 05 Nov 2024 19:00

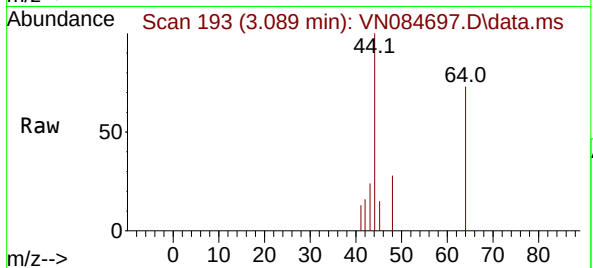
Tgt Ion: 50 Resp: 544
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#



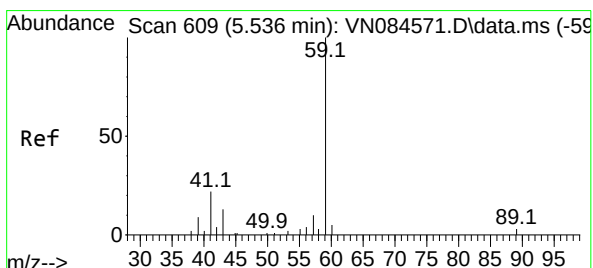
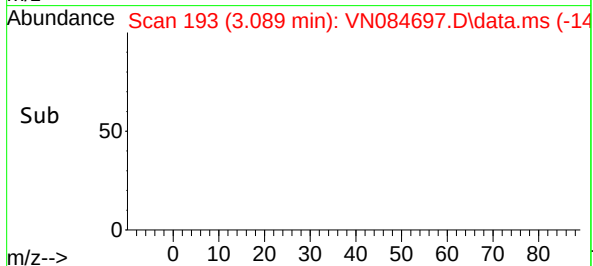
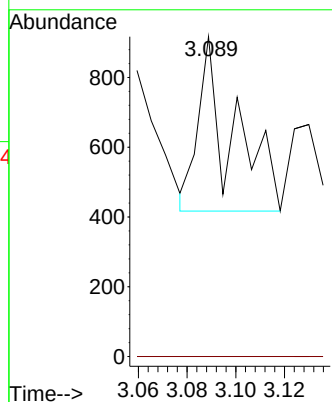


#6
Chloroethane
Concen: Below Cal
RT: 3.089 min Scan# 14
Delta R.T. -0.029 min
Lab File: VN084697.D
Acq: 05 Nov 2024 19:00

Instrument :
MSVOA_N
ClientSampleId :

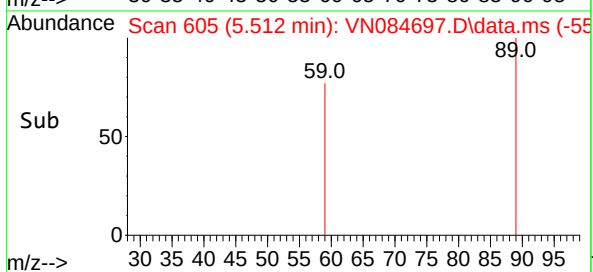
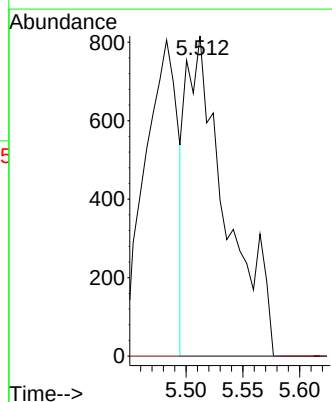
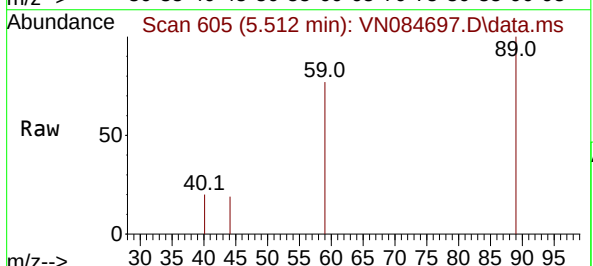


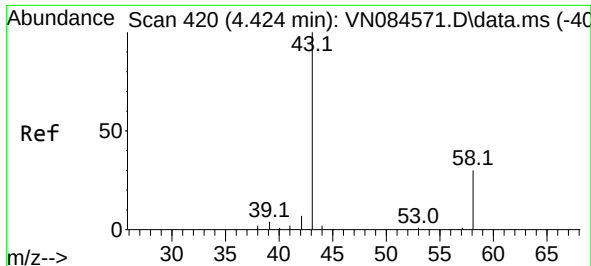
Tgt Ion: 64 Resp: 489
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 5.700 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.012 min
Lab File: VN084697.D
Acq: 05 Nov 2024 19:00

Tgt Ion: 59 Resp: 1992
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

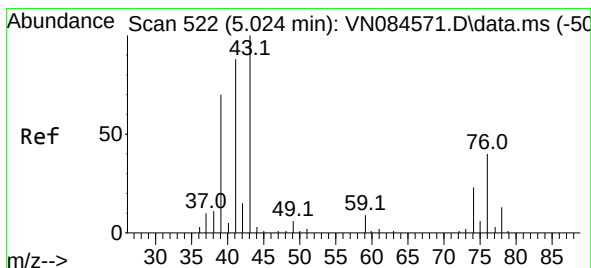
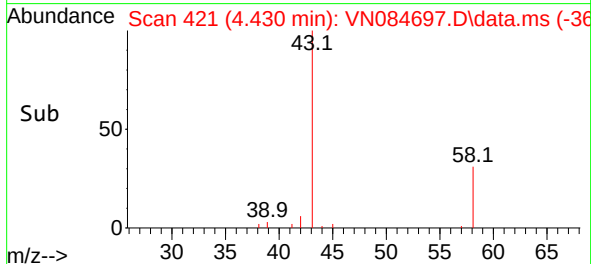
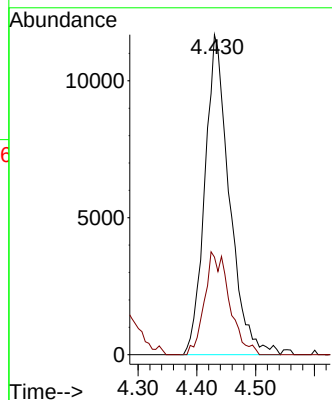
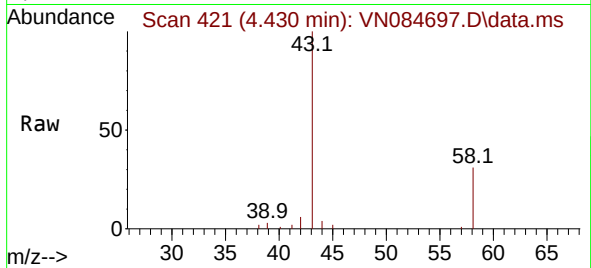




#16
Acetone
Concen: 41.815 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN084697.D
Acq: 05 Nov 2024 19:00

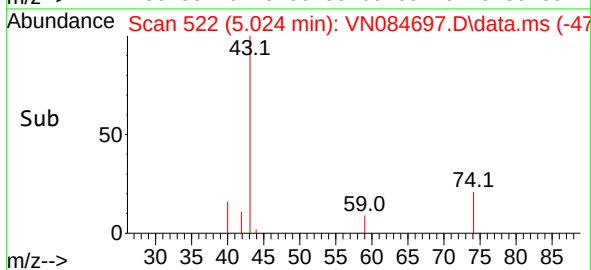
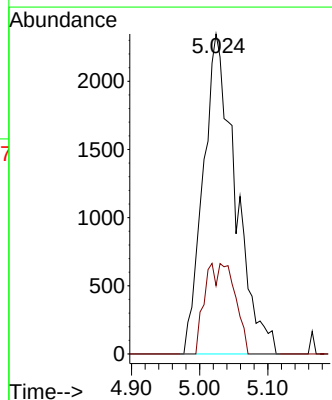
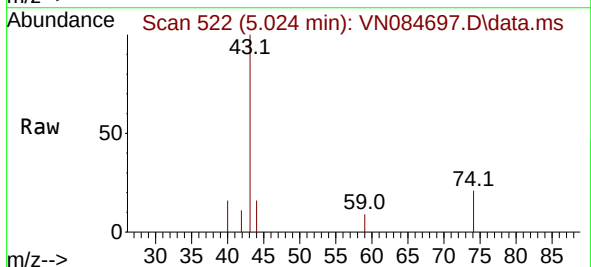
Instrument :
MSVOA_N
ClientSampleId :

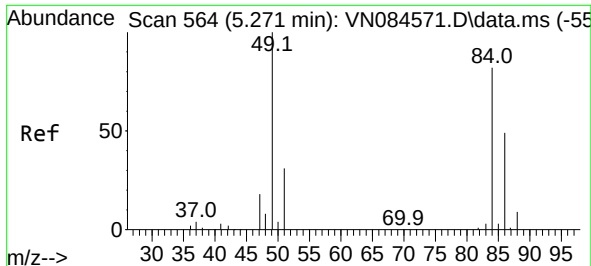
Tgt Ion: 43 Resp: 33797
Ion Ratio Lower Upper
43 100
58 30.5 24.4 36.6



#18
Methyl Acetate
Concen: Below Cal
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084697.D
Acq: 05 Nov 2024 19:00

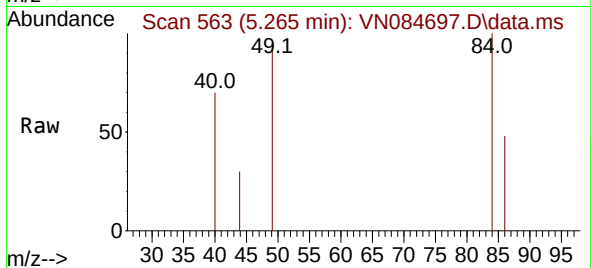
Tgt Ion: 43 Resp: 7730
Ion Ratio Lower Upper
43 100
74 11.2 19.2 28.8#



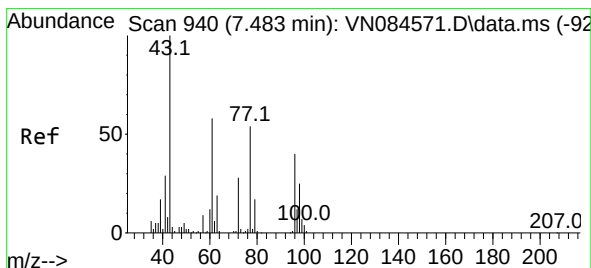
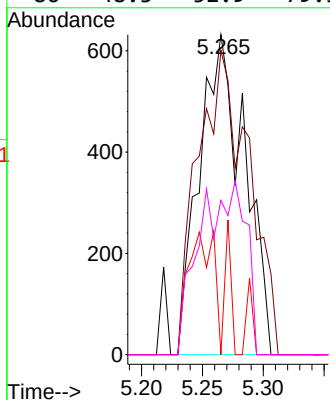


#20
Methylene Chloride
Concen: 0.701 ug/l
RT: 5.265 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN084697.D
Acq: 05 Nov 2024 19:00

Instrument :
MSVOA_N
ClientSampleId :

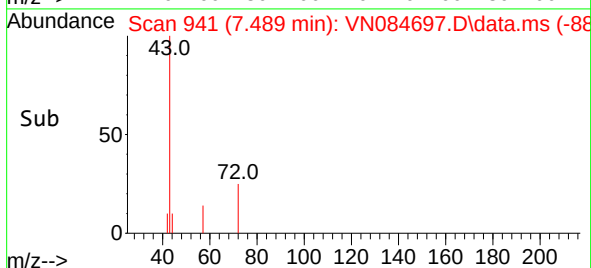
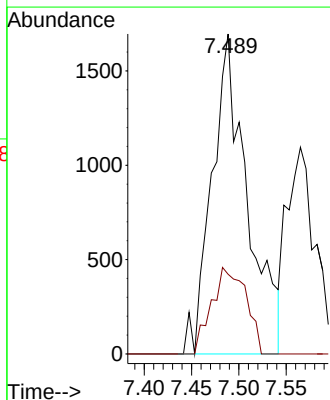
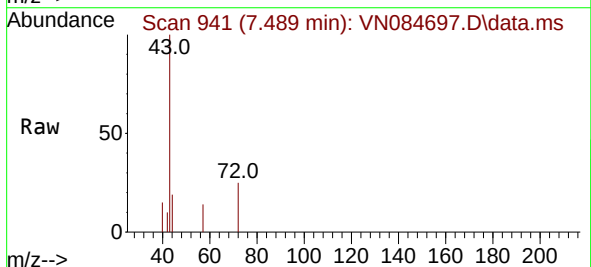


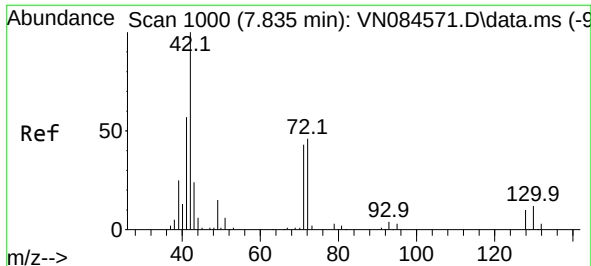
Tgt Ion:	84	Resp:	1632
Ion	Ratio	Lower	Upper
84	100		
49	95.1	107.2	160.8#
51	0.0	31.8	47.8#
86	48.3	52.9	79.3#



#25
2-Butanone
Concen: 3.578 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN084697.D
Acq: 05 Nov 2024 19:00

Tgt Ion:	43	Resp:	4419
Ion	Ratio	Lower	Upper
43	100		
72	24.9	21.4	32.2





#29

Tetrahydrofuran

Concen: 0.581 ug/l

RT: 7.853 min Scan# 1065

Delta R.T. 0.018 min

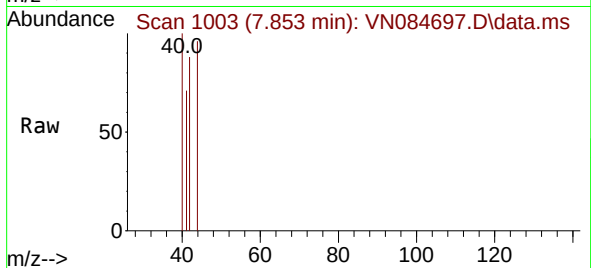
Lab File: VN084697.D

Acq: 05 Nov 2024 19:00

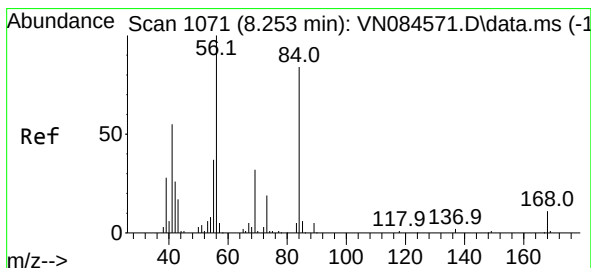
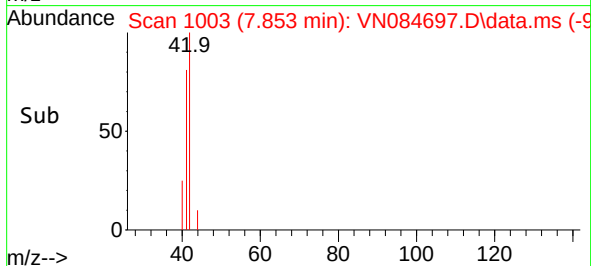
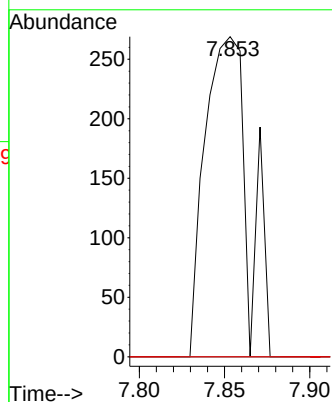
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	476
Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.6	51.8#
71	0.0	32.2	48.4#



#31

Cyclohexane

Concen: 1.165 ug/l

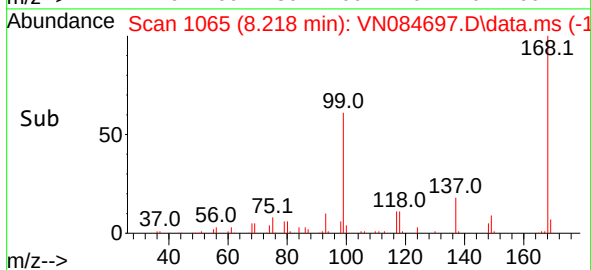
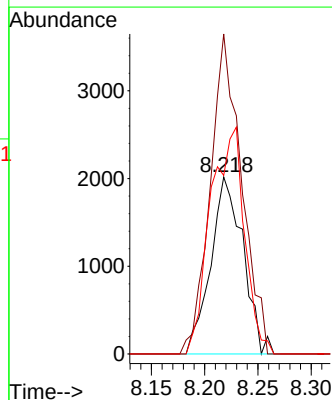
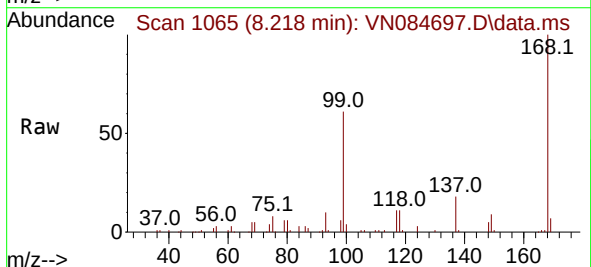
RT: 8.218 min Scan# 1065

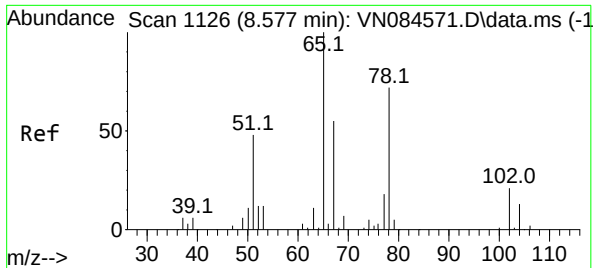
Delta R.T. -0.035 min

Lab File: VN084697.D

Acq: 05 Nov 2024 19:00

Tgt Ion:	56	Resp:	4258
Ion	Ratio	Lower	Upper
56	100		
69	180.9	23.8	35.6#
84	100.9	68.8	103.2

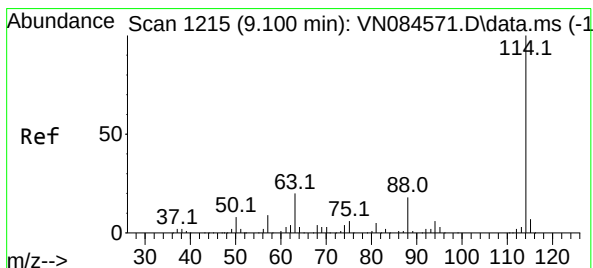
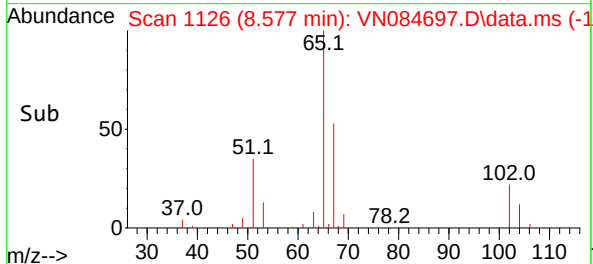
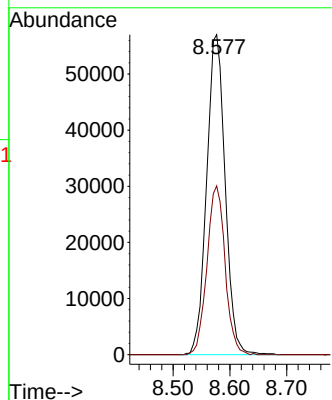
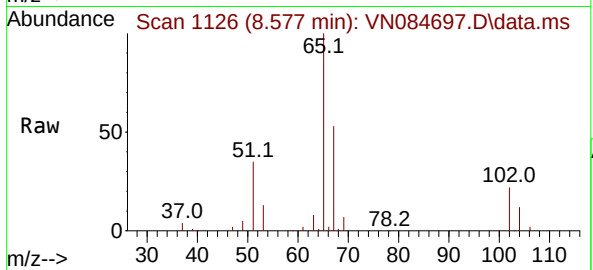




#33
 1,2-Dichloroethane-d4
 Concen: 48.632 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: VN084697.D
 Acq: 05 Nov 2024 19:00

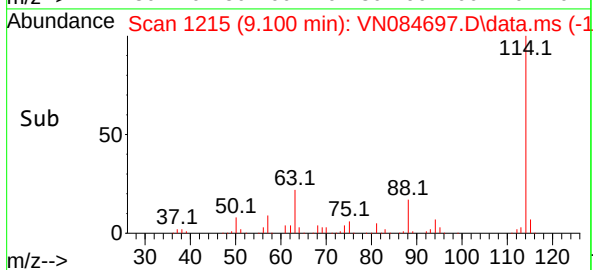
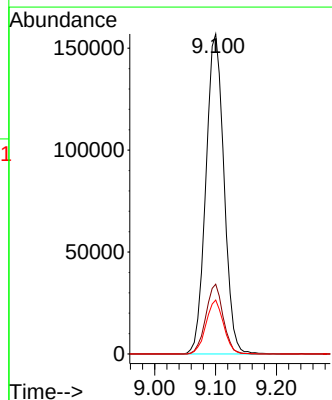
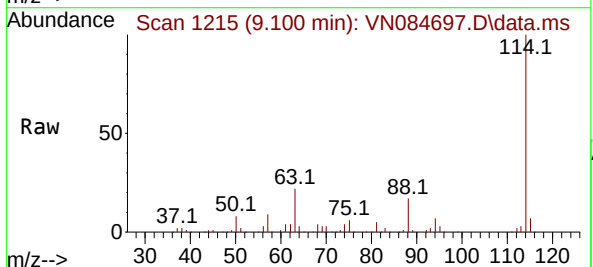
Instrument :
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 ClientSampleId :

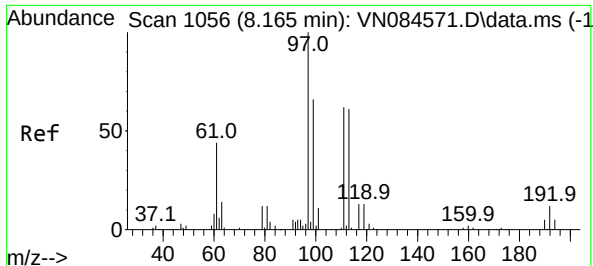
Tgt Ion: 65 Resp: 128759
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. 0.000 min
 Lab File: VN084697.D
 Acq: 05 Nov 2024 19:00

Tgt Ion: 114 Resp: 323785
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 43.8
 88 16.9 0.0 31.6





#35

Dibromofluoromethane

Concen: 47.947 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN084697.D

Acq: 05 Nov 2024 19:00

Instrument :

MSVOA_N

ClientSampleId :

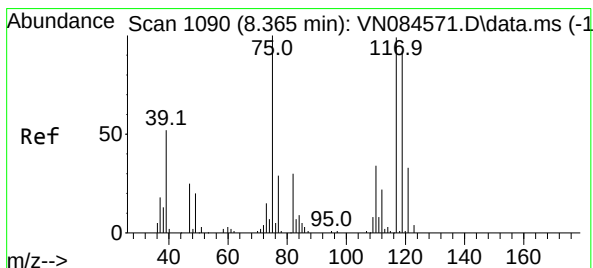
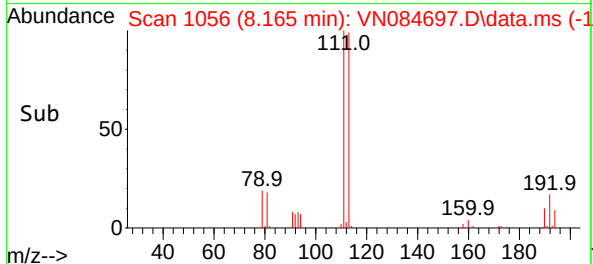
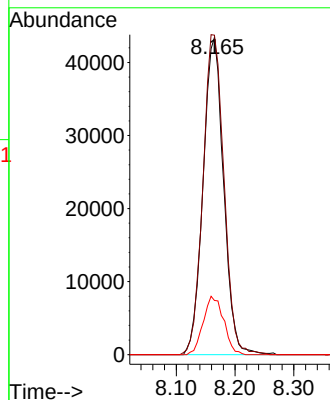
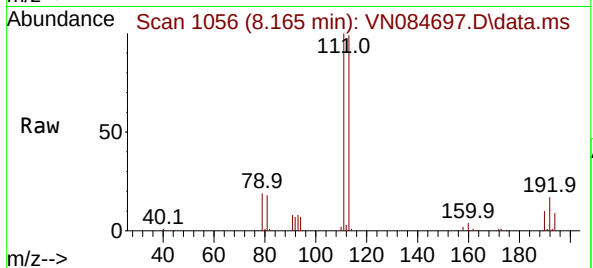
Tgt Ion:113 Resp: 105082

Ion Ratio Lower Upper

113 100

111 103.2 83.3 124.9

192 18.4 13.5 20.3



#36

1,1-Dichloropropene

Concen: 4.897 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN084697.D

Acq: 05 Nov 2024 19:00

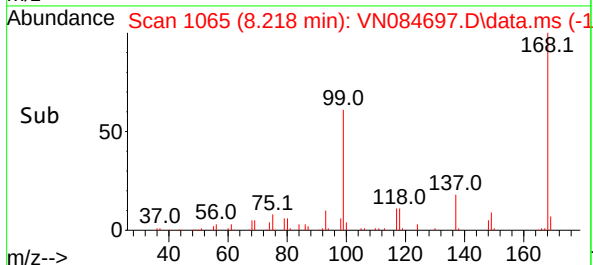
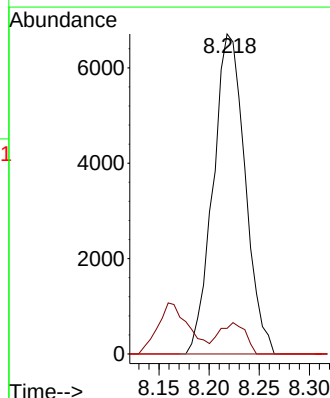
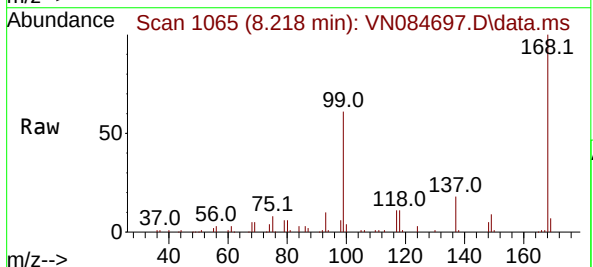
Tgt Ion: 75 Resp: 14886

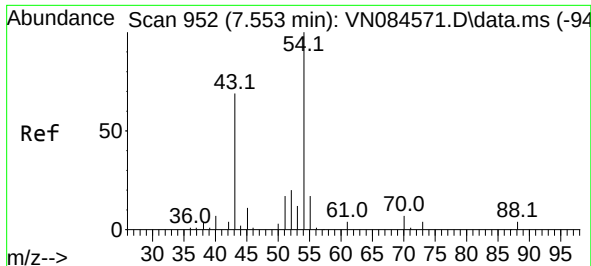
Ion Ratio Lower Upper

75 100

110 8.0 16.9 50.7#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.858 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.006 min

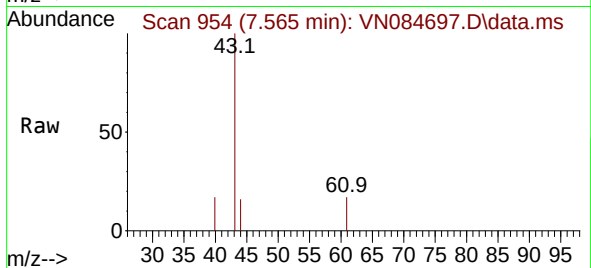
Lab File: VN084697.D

Acq: 05 Nov 2024 19:00

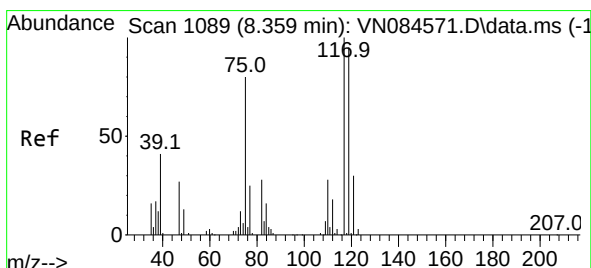
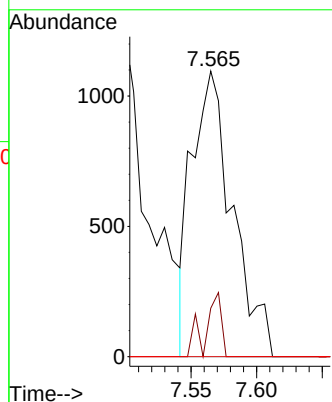
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	2365
Ion	Ratio	Lower	Upper
43	100		
61	8.9	10.7	16.1#
70	0.0	8.8	13.2#



#38

Carbon Tetrachloride

Concen: 5.751 ug/l

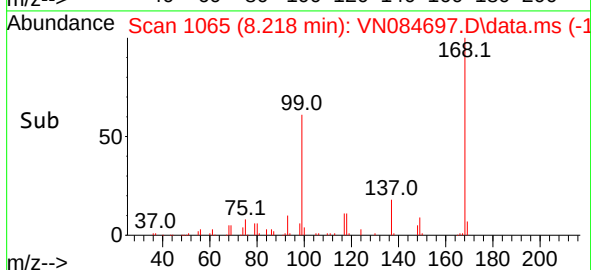
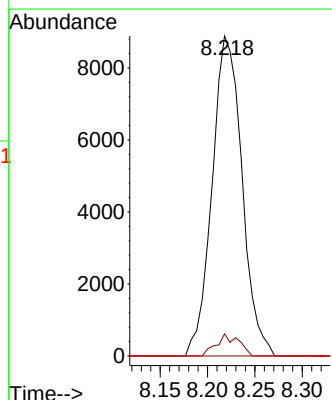
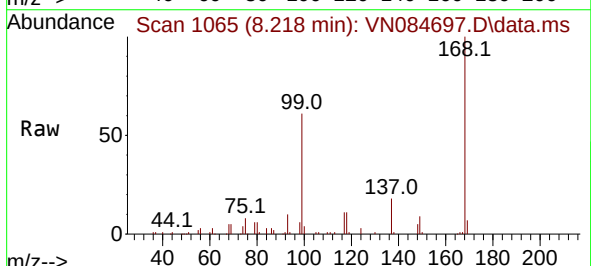
RT: 8.218 min Scan# 1065

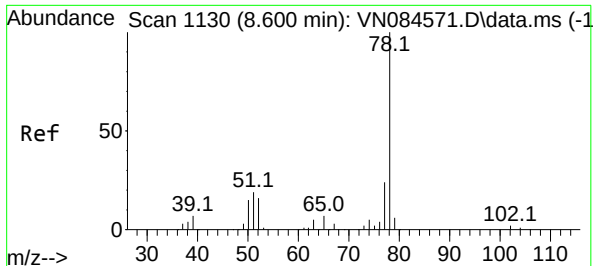
Delta R.T. -0.141 min

Lab File: VN084697.D

Acq: 05 Nov 2024 19:00

Tgt Ion:	117	Resp:	19540
Ion	Ratio	Lower	Upper
117	100		
119	6.9	78.7	118.1#
121	0.0	24.4	36.6#

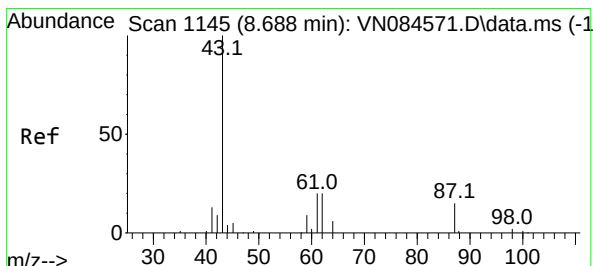
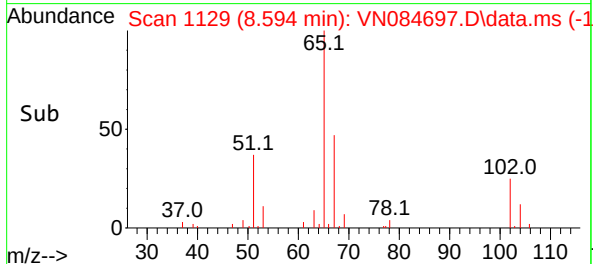
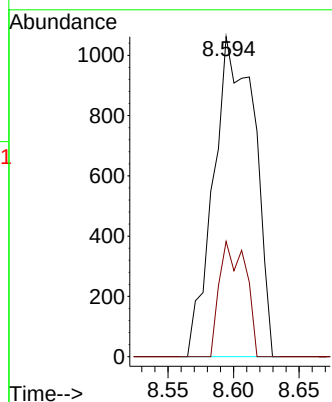
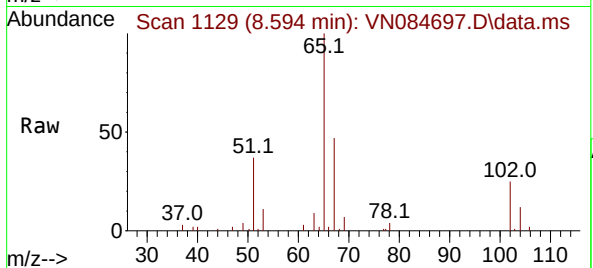




#40
Benzene
Concen: 0.236 ug/l
RT: 8.594 min Scan# 1129
Delta R.T. -0.012 min
Lab File: VN084697.D
Acq: 05 Nov 2024 19:00

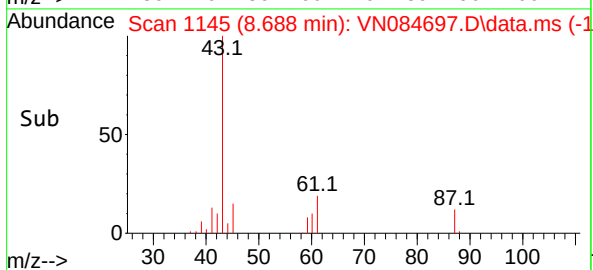
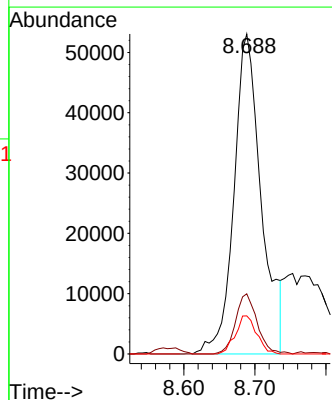
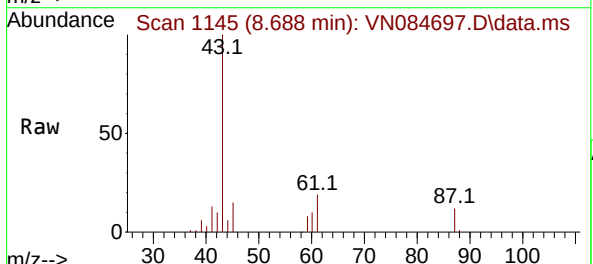
Instrument :
MSVOA_N
ClientSampleId :

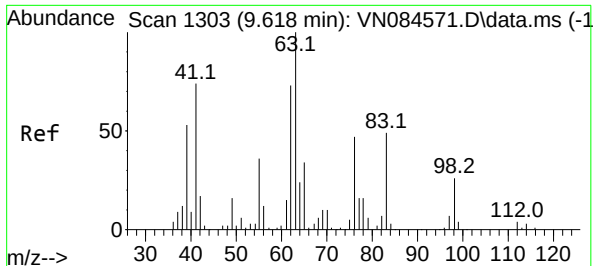
Tgt Ion: 78 Resp: 2302
Ion Ratio Lower Upper
78 100
77 36.0 19.1 28.7#



#43
Isopropyl Acetate
Concen: 27.391 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084697.D
Acq: 05 Nov 2024 19:00

Tgt Ion: 43 Resp: 141774
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: 0.533 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.117 min

Lab File: VN084697.D

Acq: 05 Nov 2024 19:00

Instrument :

MSVOA_N

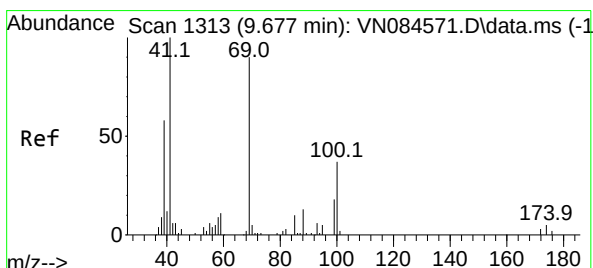
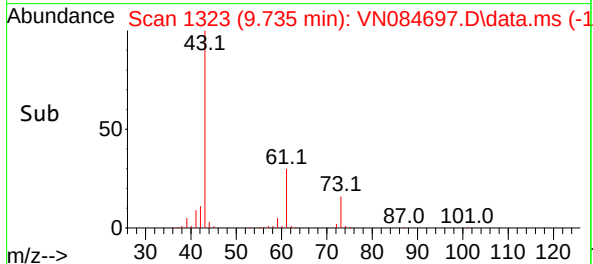
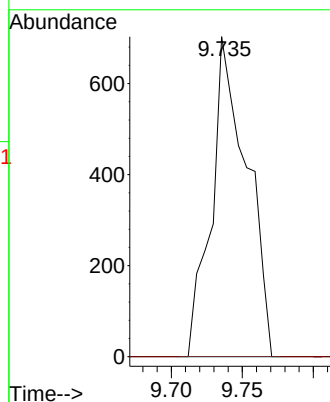
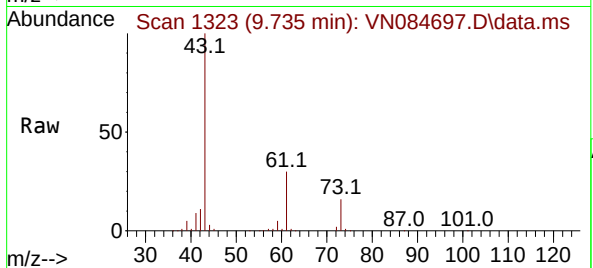
ClientSampleId :

Tgt Ion: 63 Resp: 1220

Ion Ratio Lower Upper

63 100

65 0.0 24.6 37.0#



#48

Methyl methacrylate

Concen: 1.211 ug/l

RT: 9.659 min Scan# 1310

Delta R.T. -0.018 min

Lab File: VN084697.D

Acq: 05 Nov 2024 19:00

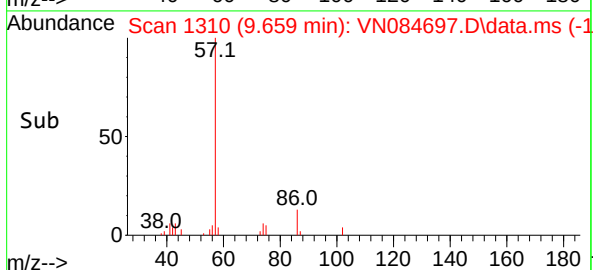
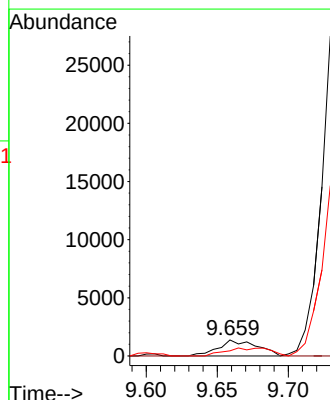
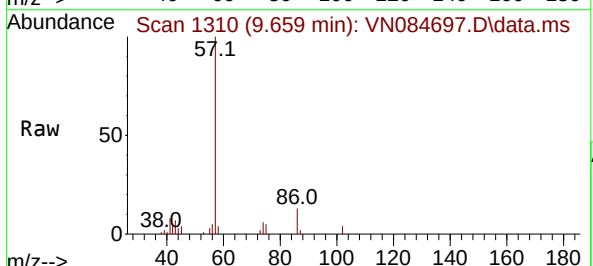
Tgt Ion: 41 Resp: 2599

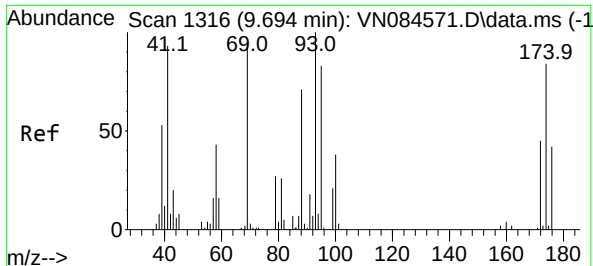
Ion Ratio Lower Upper

41 100

69 0.0 67.1 100.7#

39 57.4 45.8 68.6





#49

1,4-Dioxane

Concen: 1.394 ug/l

RT: 9.741 min Scan# 1316

Delta R.T. 0.047 min

Lab File: VN084697.D

Acq: 05 Nov 2024 19:00

Instrument :

MSVOA_N

ClientSampleId :

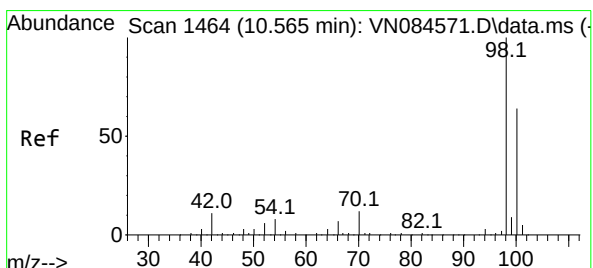
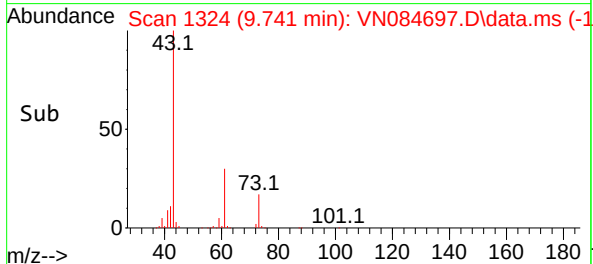
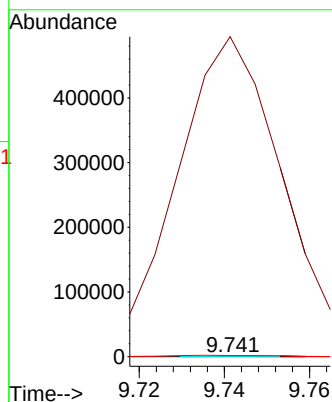
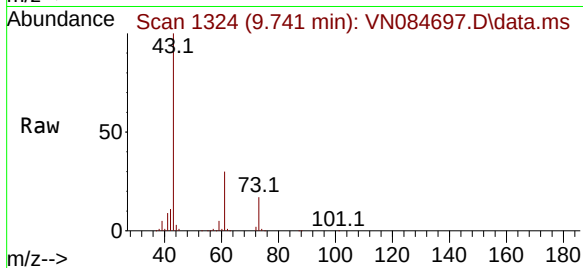
Tgt Ion: 88 Resp: 53

Ion Ratio Lower Upper

88 100

43 1641339.6 25.3 37.9#

58 7832.1 56.4 84.6#



#50

Toluene-d8

Concen: 47.472 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084697.D

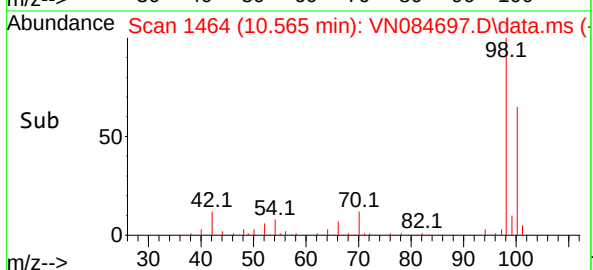
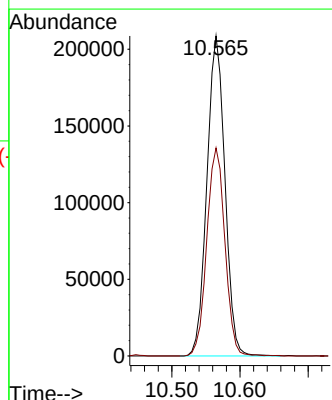
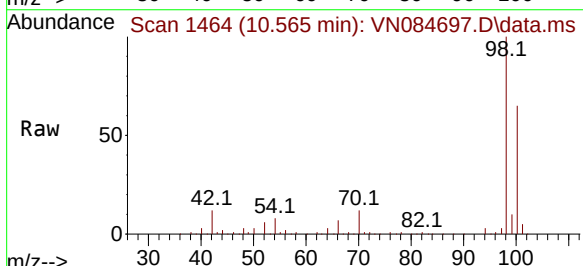
Acq: 05 Nov 2024 19:00

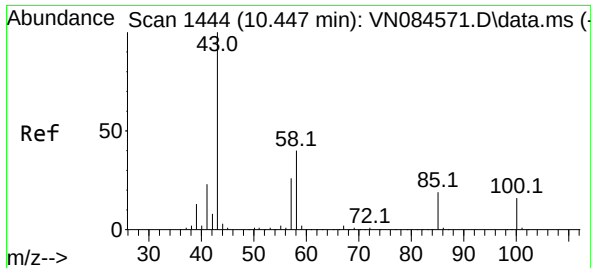
Tgt Ion: 98 Resp: 383253

Ion Ratio Lower Upper

98 100

100 65.5 52.7 79.1

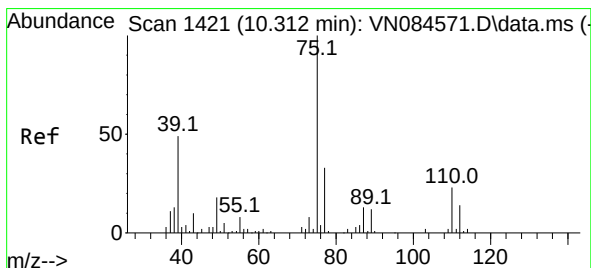
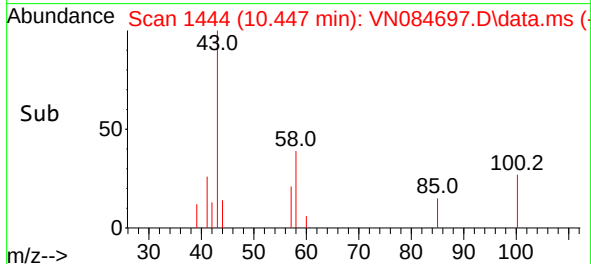
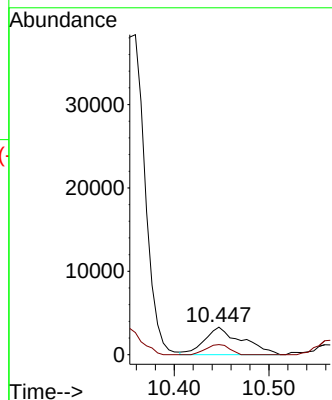
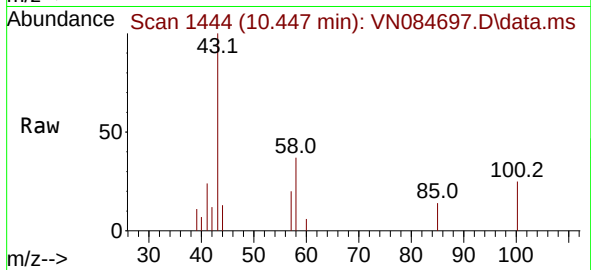




#51
4-Methyl-2-Pentanone
Concen: 3.473 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN084697.D
Acq: 05 Nov 2024 19:00

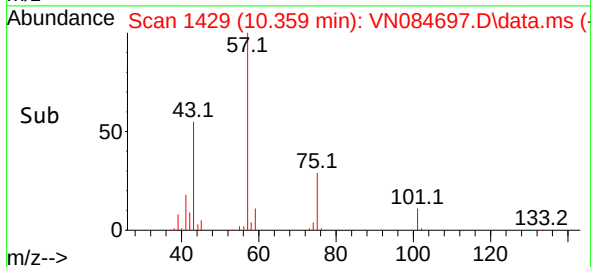
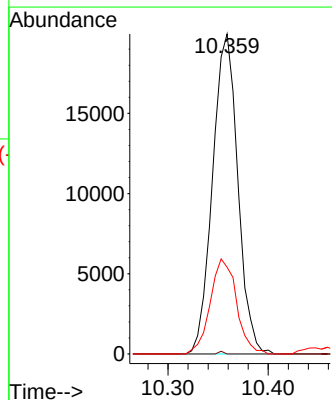
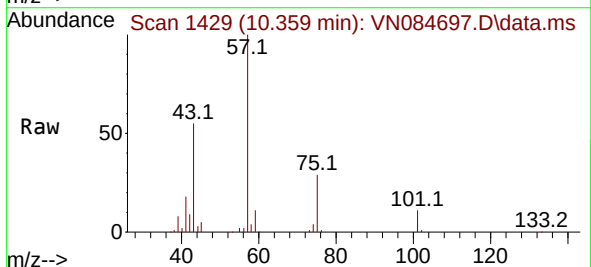
Instrument :
MSVOA_N
ClientSampleId :

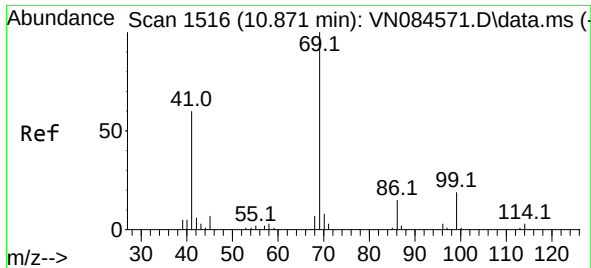
Tgt Ion: 43 Resp: 9131
Ion Ratio Lower Upper
43 100
58 22.8 31.6 47.4#



#54
cis-1,3-Dichloropropene
Concen: 9.341 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN084697.D
Acq: 05 Nov 2024 19:00

Tgt Ion: 75 Resp: 34855
Ion Ratio Lower Upper
75 100
77 0.0 24.2 36.2#
39 27.1 38.7 58.1#

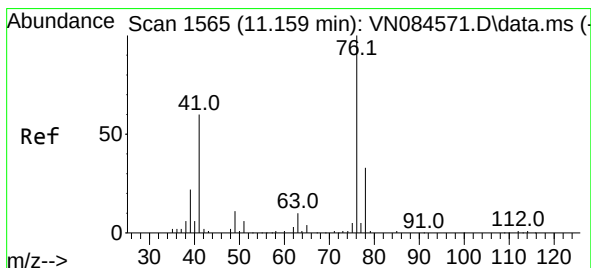
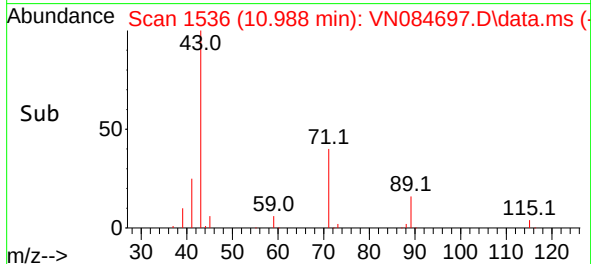
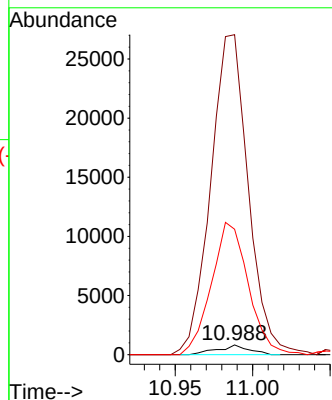
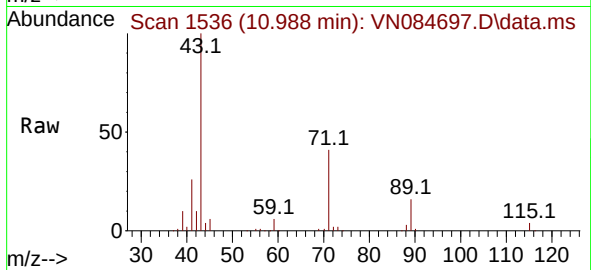




#56
Ethyl methacrylate
Concen: 0.374 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.118 min
Lab File: VN084697.D
Acq: 05 Nov 2024 19:00

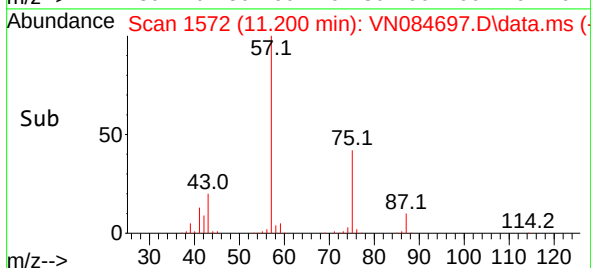
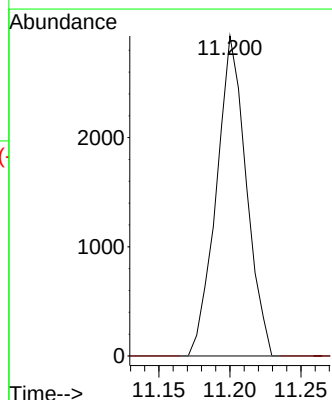
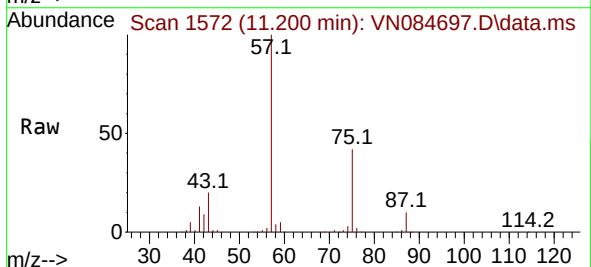
Instrument :
MSVOA_N
ClientSampleId :

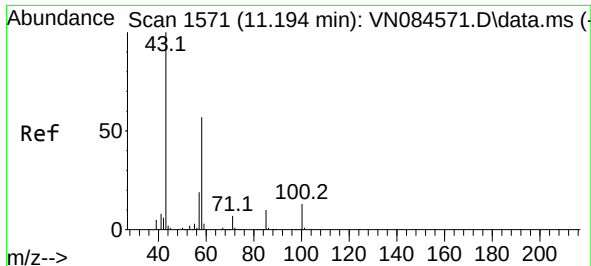
Tgt Ion: 69 Resp: 1162
Ion Ratio Lower Upper
69 100
41 3933.6 53.3 79.9#
39 1596.7 28.8 43.2#



#57
1,3-Dichloropropane
Concen: 1.163 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN084697.D
Acq: 05 Nov 2024 19:00

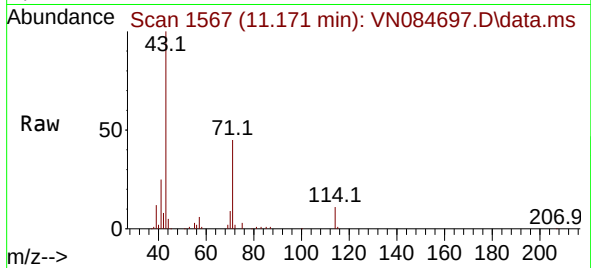
Tgt Ion: 76 Resp: 4292
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#



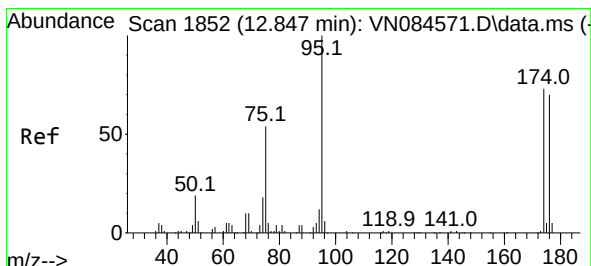
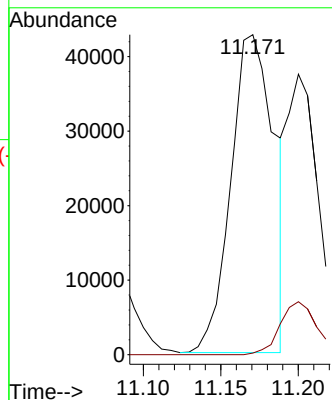
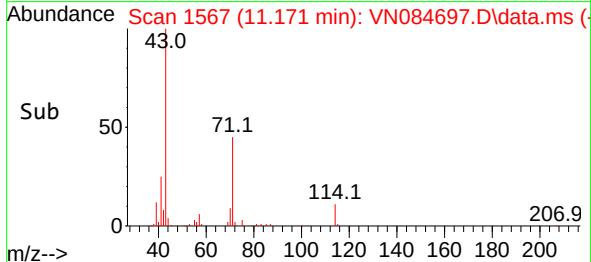


#59
2-Hexanone
Concen: 43.450 ug/l
RT: 11.171 min Scan# 11171
Delta R.T. -0.023 min
Lab File: VN084697.D
Acq: 05 Nov 2024 19:00

Instrument :
MSVOA_N
ClientSampleId :

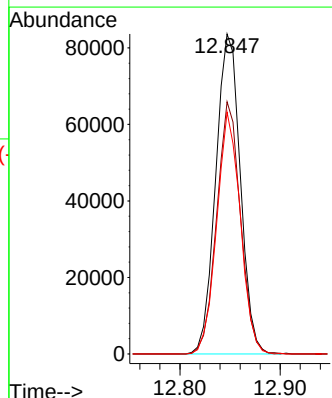
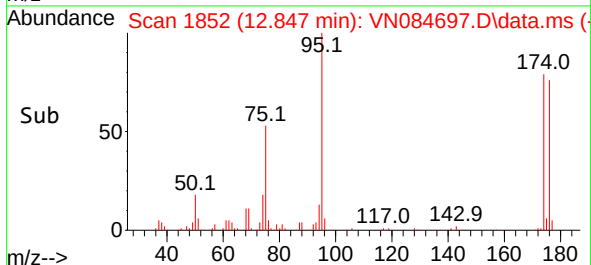
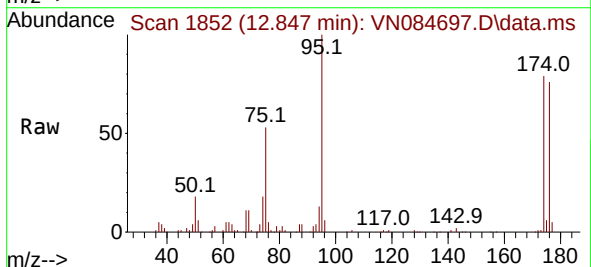


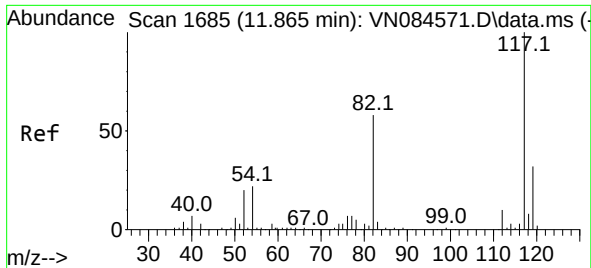
Tgt Ion: 43 Resp: 83144
Ion Ratio Lower Upper
43 100
58 0.0 27.3 81.8#



#62
4-Bromofluorobenzene
Concen: 47.069 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084697.D
Acq: 05 Nov 2024 19:00

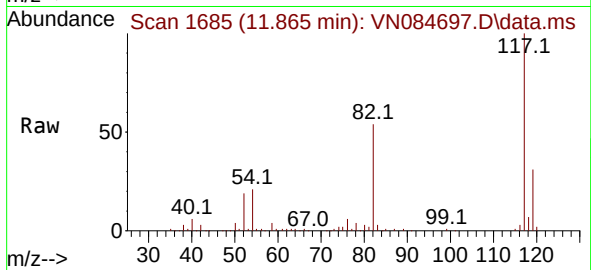
Tgt Ion: 95 Resp: 142019
Ion Ratio Lower Upper
95 100
174 76.4 0.0 145.2
176 72.5 0.0 140.0



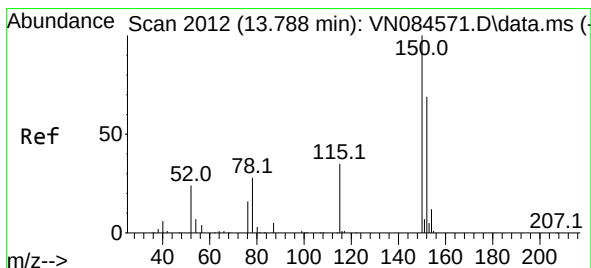
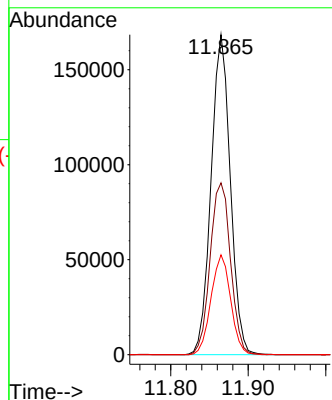
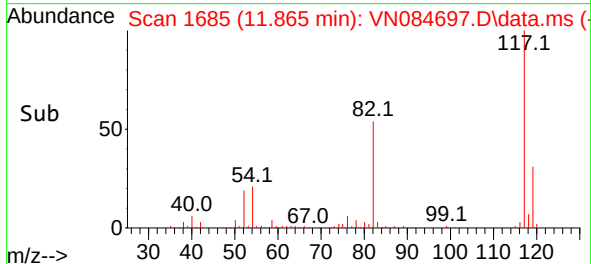


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084697.D
Acq: 05 Nov 2024 19:00

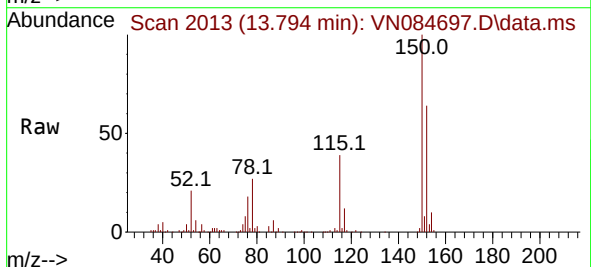
Instrument :
MSVOA_N
ClientSampleId :



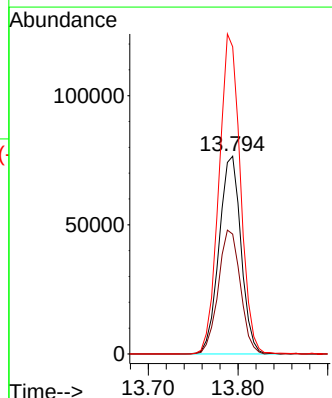
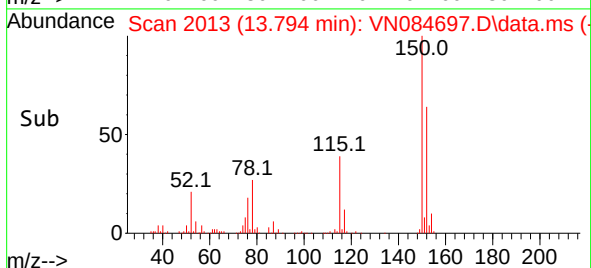
Tgt Ion:117 Resp: 290699
Ion Ratio Lower Upper
117 100
82 53.7 47.2 70.8
119 31.2 25.4 38.0

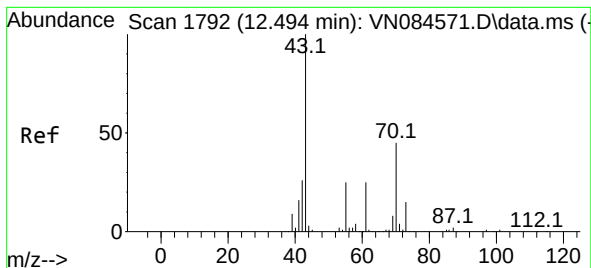


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN084697.D
Acq: 05 Nov 2024 19:00



Tgt Ion:152 Resp: 130047
Ion Ratio Lower Upper
152 100
115 63.0 31.3 93.9
150 158.0 0.0 349.8





#74

N-amy1 acetate

Concen: 0.230 ug/l

RT: 12.465 min Scan# 1

Delta R.T. -0.029 min

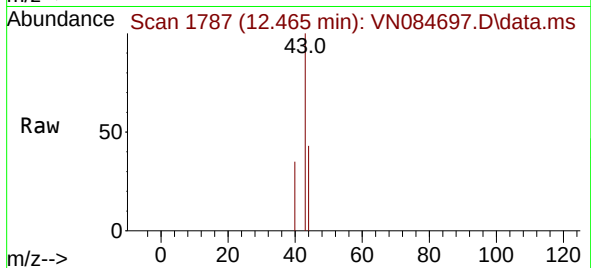
Lab File: VN084697.D

Acq: 05 Nov 2024 19:00

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 891

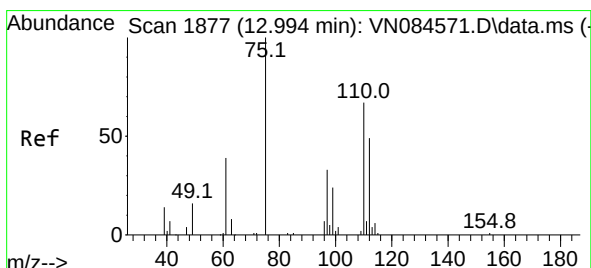
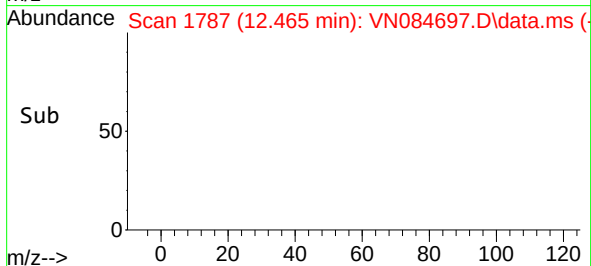
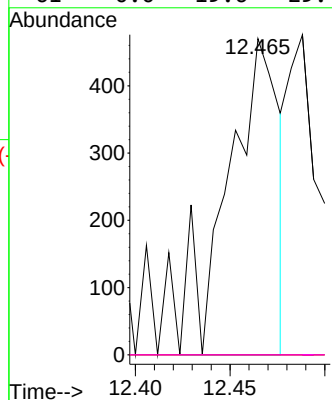
Ion Ratio Lower Upper

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: 28.549 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN084697.D

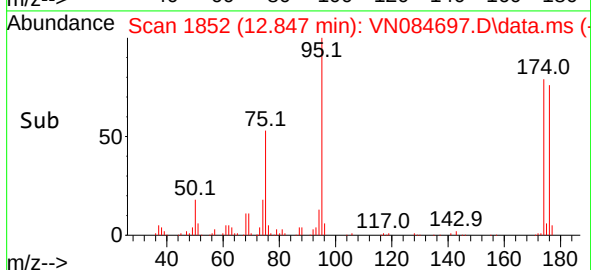
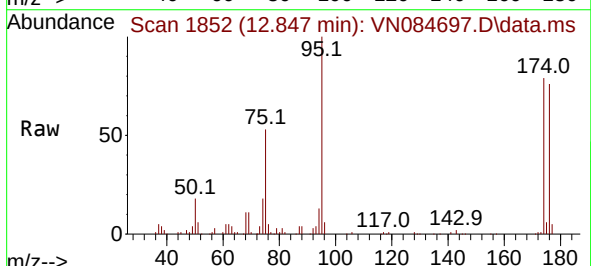
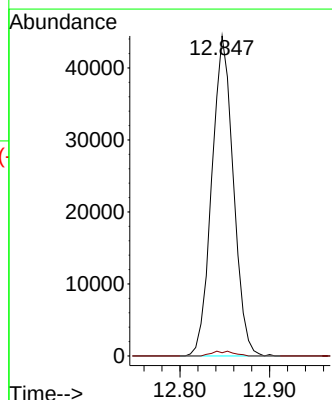
Acq: 05 Nov 2024 19:00

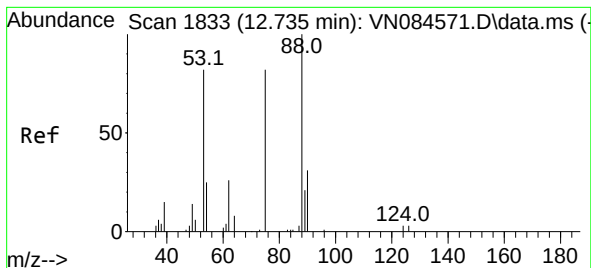
Tgt Ion: 75 Resp: 74216

Ion Ratio Lower Upper

75 100

77 1.5 96.9 290.7#

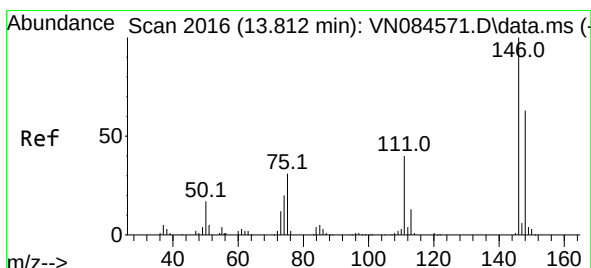
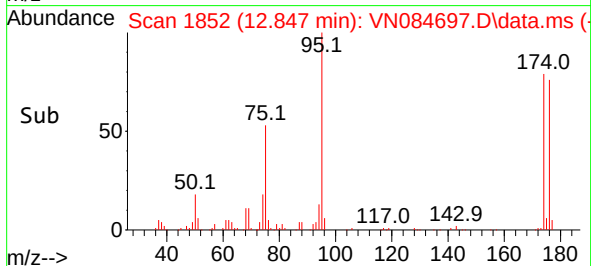
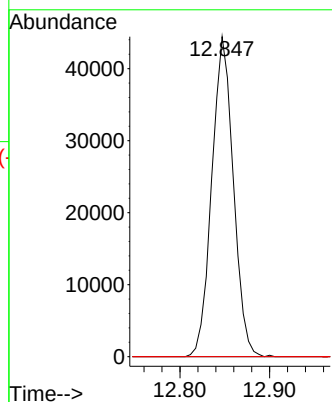
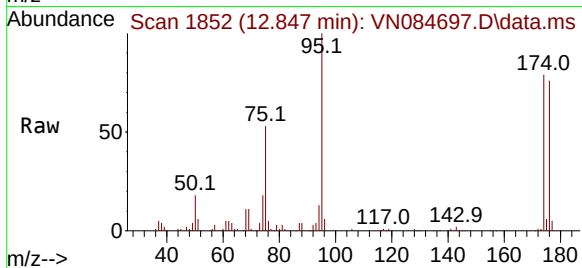




#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.730 ug/l
 RT: 12.847 min Scan# 1833
 Delta R.T. 0.112 min
 Lab File: VN084697.D
 Acq: 05 Nov 2024 19:00

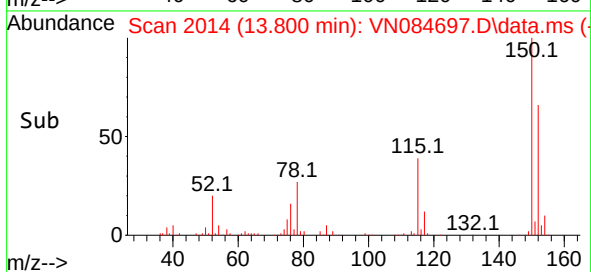
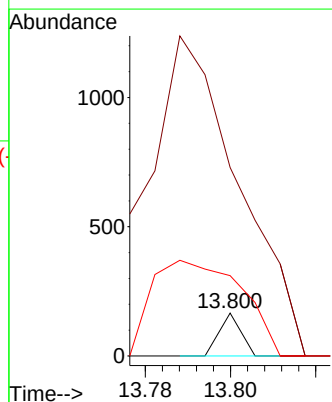
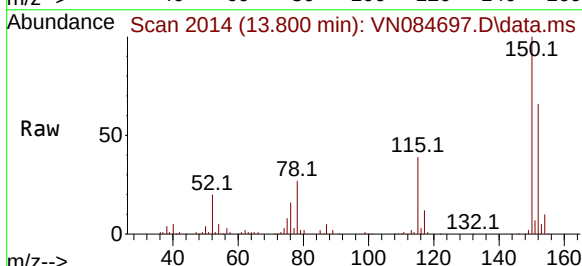
Instrument :
 MSVOA_N
 ClientSampleId :

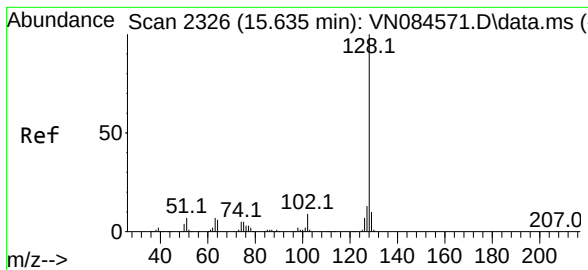
Tgt Ion: 75 Resp: 74216
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 35.5 53.3#



#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.800 min Scan# 2014
 Delta R.T. -0.012 min
 Lab File: VN084697.D
 Acq: 05 Nov 2024 19:00

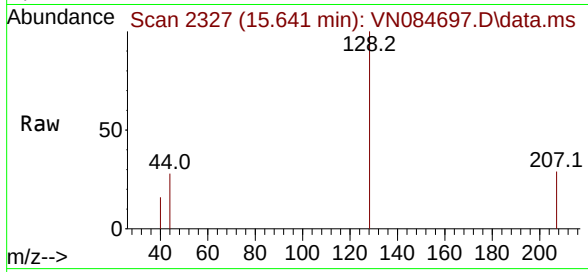
Tgt Ion:146 Resp: 59
 Ion Ratio Lower Upper
 146 100
 111 3264.4 21.2 63.6#
 148 920.3 31.9 95.9#





#95
Naphthalene
Concen: 0.217 ug/l
RT: 15.641 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN084697.D
Acq: 05 Nov 2024 19:00

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	1631
Ion	Ratio	Lower	Upper
128	100		
127	4.5	10.5	15.7#
129	3.7	8.7	13.1#

