

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111424\
 Data File : VN084855.D
 Acq On : 14 Nov 2024 16:35
 Operator : JC\MD
 Sample : PB164927TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 15 00:49:48 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)

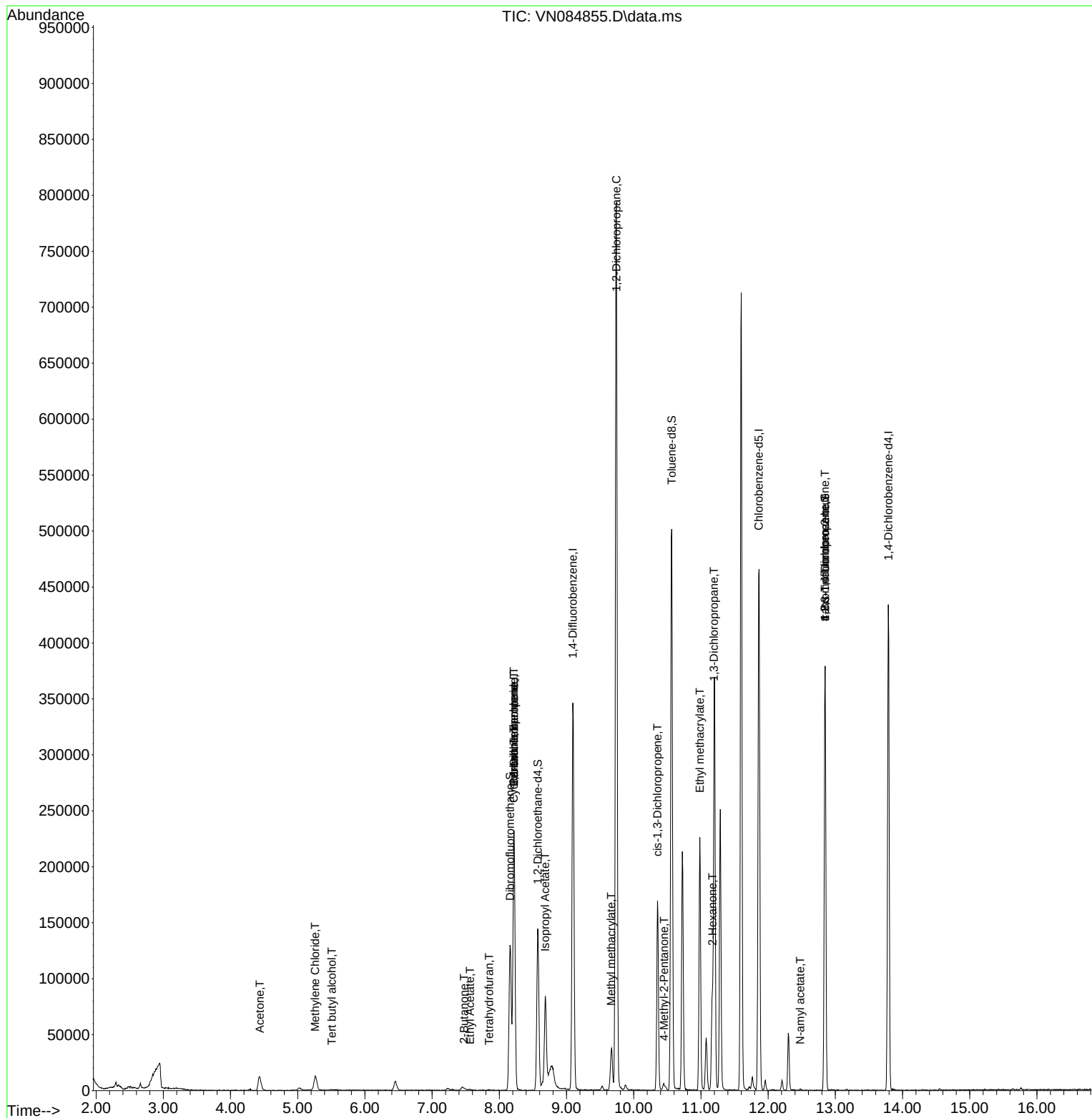
Internal Standards						
1) Pentafluorobenzene	8.218	168	168068	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	300621	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	274245	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	120344	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	118886	48.975	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.960%
35) Dibromofluoromethane	8.159	113	94877	46.626	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.260%
50) Toluene-d8	10.565	98	355093	47.373	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.740%
62) 4-Bromofluorobenzene	12.847	95	135926	48.521	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	97.040%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	470	Below Cal	#	41
6) Chloroethane	3.130	64	290	Below Cal	#	45
11) Tert butyl alcohol	5.506	59	260	0.811	ug/l #	73
16) Acetone	4.436	43	24244	32.088	ug/l	99
18) Methyl Acetate	5.030	43	4678	Below Cal	#	88
20) Methylene Chloride	5.259	84	10221	4.787	ug/l #	85
25) 2-Butanone	7.477	43	2184	1.928	ug/l #	83
29) Tetrahydrofuran	7.847	42	334	0.445	ug/l #	34
31) Cyclohexane	8.212	56	3689	1.101	ug/l #	19
36) 1,1-Dichloropropene	8.218	75	13609	4.822	ug/l #	51
37) Ethyl Acetate	7.565	43	2480	0.969	ug/l #	72
38) Carbon Tetrachloride	8.218	117	18104	5.739	ug/l #	16
43) Isopropyl Acetate	8.683	43	100213	20.618	ug/l #	90
45) 1,2-Dichloropropane	9.741	63	1118	0.526	ug/l #	44
48) Methyl methacrylate	9.665	41	2418	1.213	ug/l #	13
51) 4-Methyl-2-Pentanone	10.453	43	7288	2.986	ug/l #	70
54) cis-1,3-Dichloropropene	10.353	75	30942	8.931	ug/l #	60
56) Ethyl methacrylate	10.982	69	845	0.293	ug/l #	1
57) 1,3-Dichloropropane	11.194	76	3815	1.113	ug/l #	42
59) 2-Hexanone	11.171	43	64880	36.518	ug/l #	24
74) N-amyl acetate	12.476	43	747	0.208	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	69338	28.823	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	69338	68.381	ug/l #	11
88) 1,4-Dichlorobenzene	13.806	146	355	Below Cal	#	1

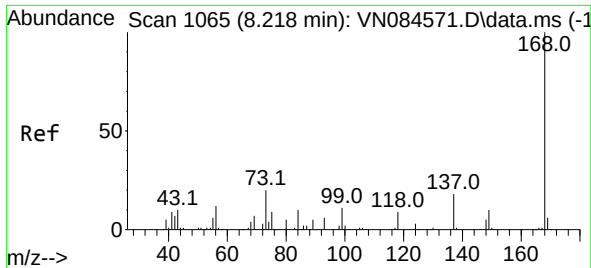
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

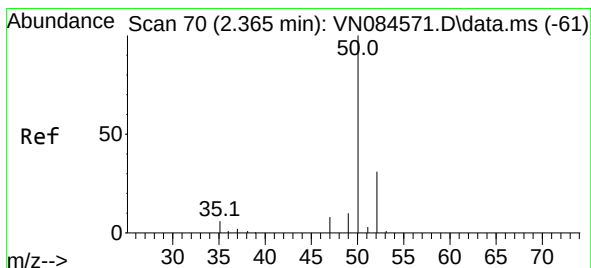
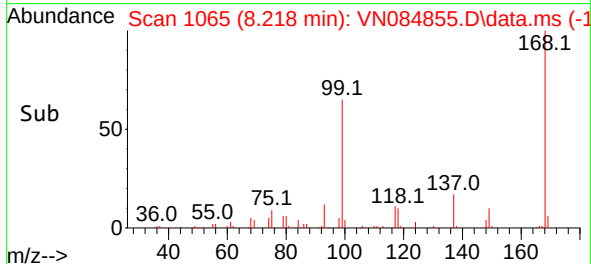
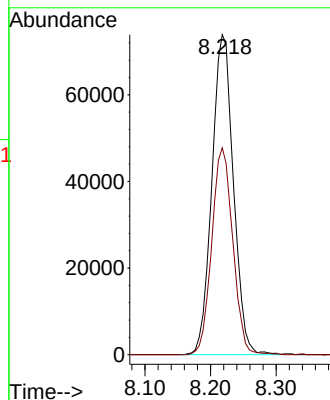
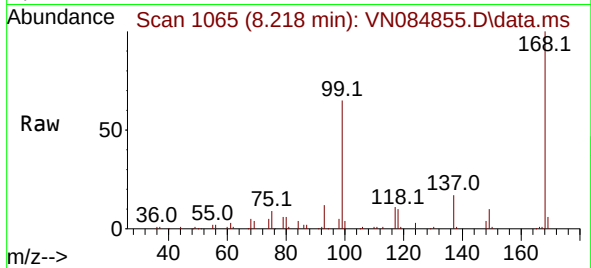




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN084855.D
Acq: 14 Nov 2024 16:35

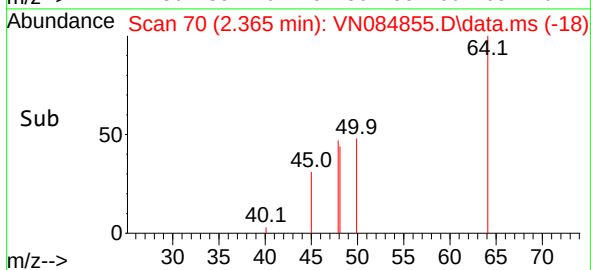
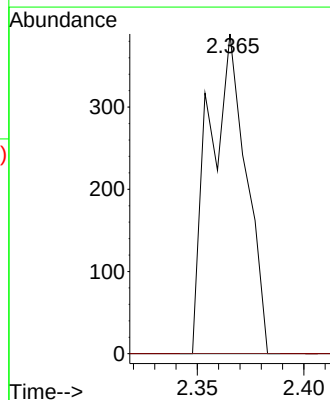
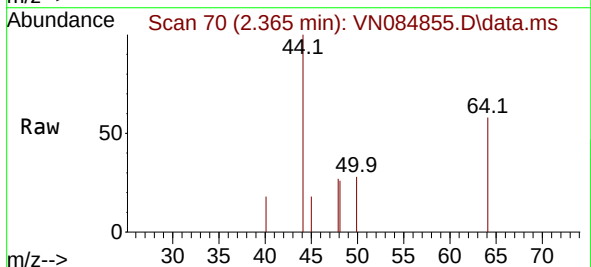
Instrument :
MSVOA_N
ClientSampleId :

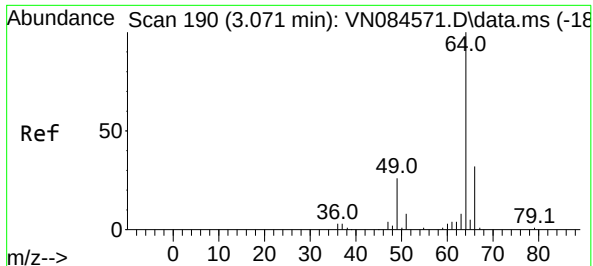
Tgt Ion:168 Resp: 168068
Ion Ratio Lower Upper
168 100
99 64.7 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084855.D
Acq: 14 Nov 2024 16:35

Tgt Ion: 50 Resp: 470
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

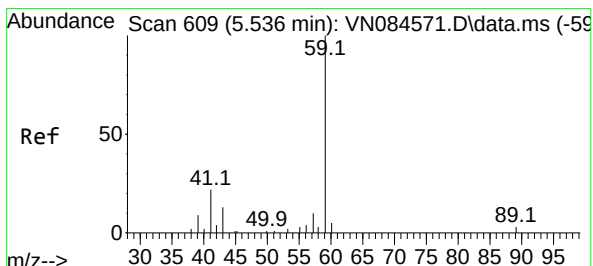
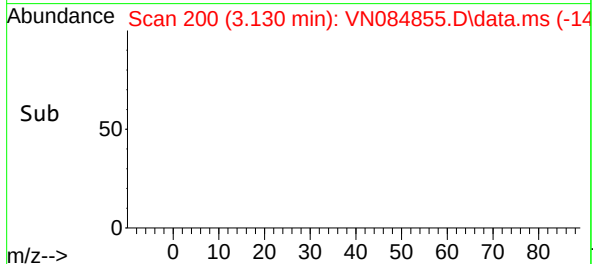
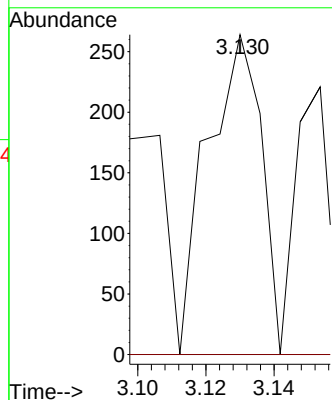
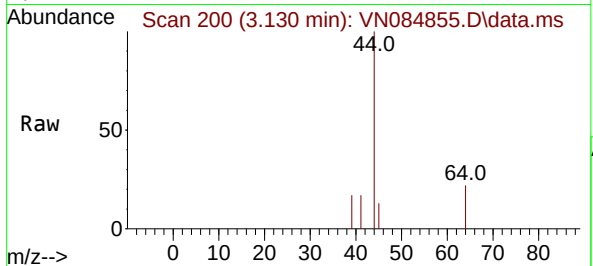




#6
Chloroethane
Concen: Below Cal
RT: 3.130 min Scan# 20
Delta R.T. 0.012 min
Lab File: VN084855.D
Acq: 14 Nov 2024 16:35

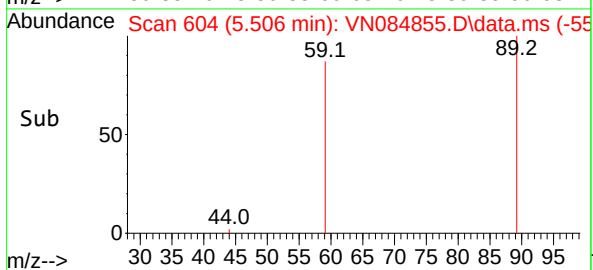
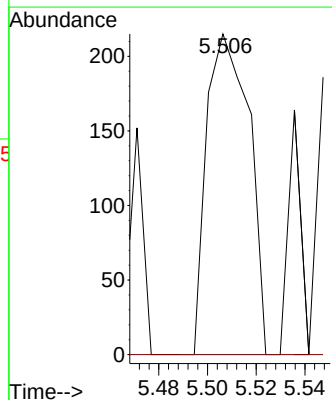
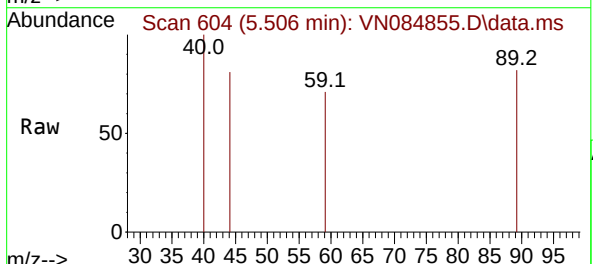
Instrument :
MSVOA_N
ClientSampleId :

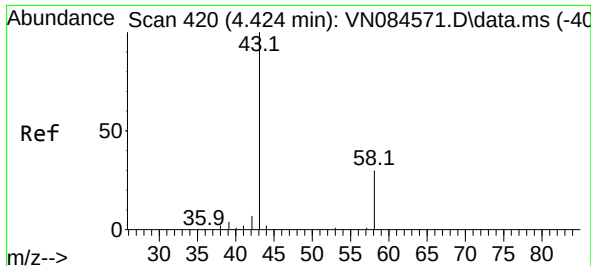
Tgt Ion: 64 Resp: 290
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 0.811 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.018 min
Lab File: VN084855.D
Acq: 14 Nov 2024 16:35

Tgt Ion: 59 Resp: 260
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

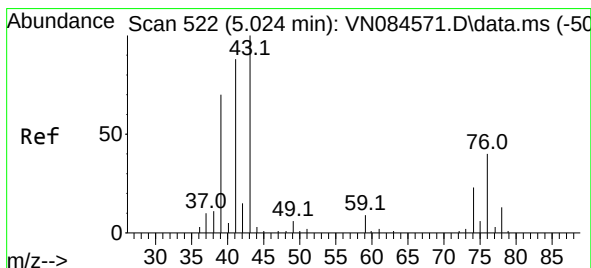
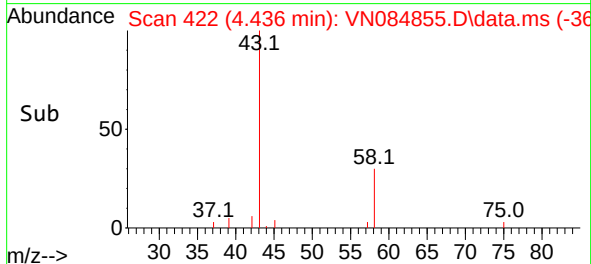
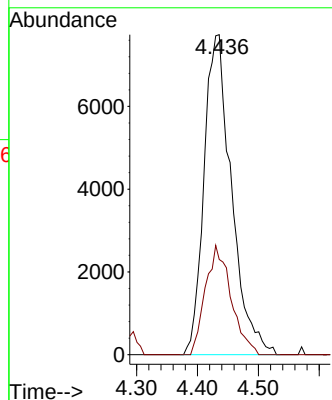
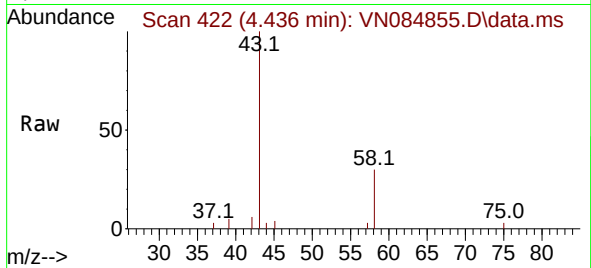




#16
Acetone
Concen: 32.088 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN084855.D
Acq: 14 Nov 2024 16:35

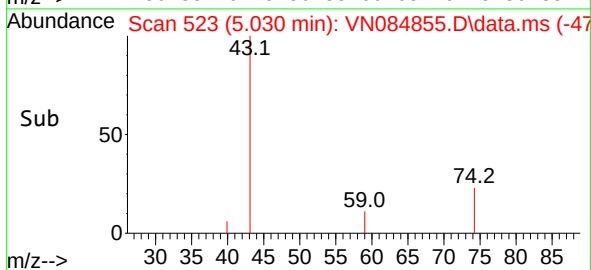
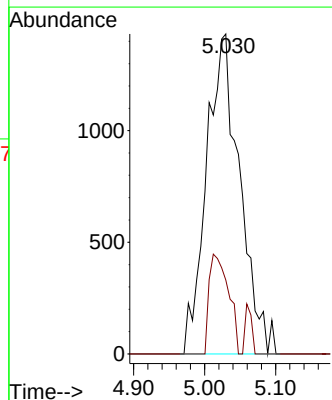
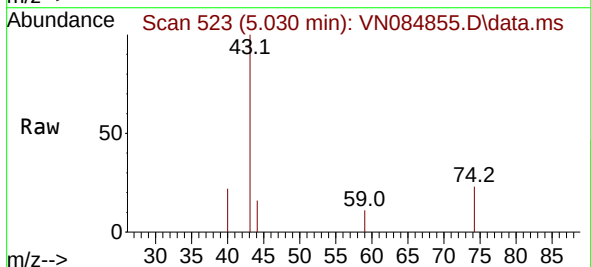
Instrument :
MSVOA_N
ClientSampleId :

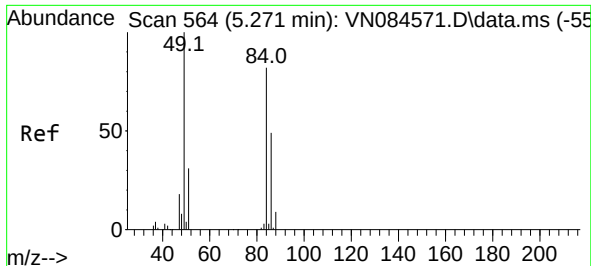
Tgt Ion: 43 Resp: 24244
Ion Ratio Lower Upper
43 100
58 29.8 24.4 36.6



#18
Methyl Acetate
Concen: Below Cal
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN084855.D
Acq: 14 Nov 2024 16:35

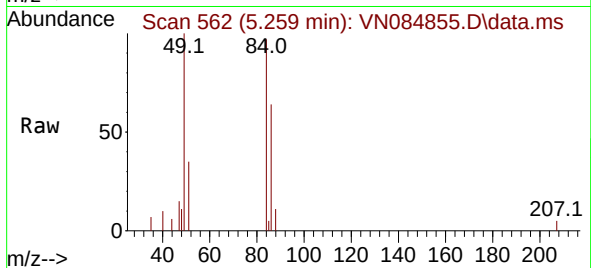
Tgt Ion: 43 Resp: 4678
Ion Ratio Lower Upper
43 100
74 18.1 19.2 28.8#



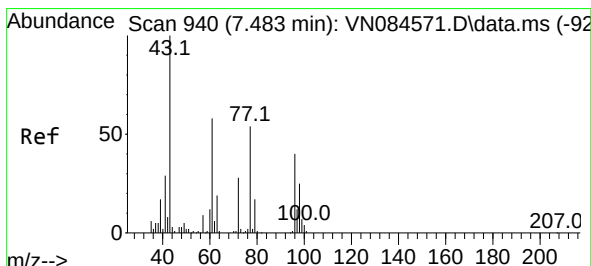
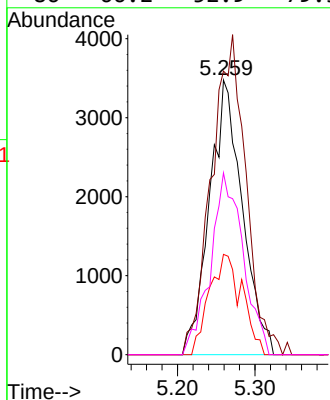
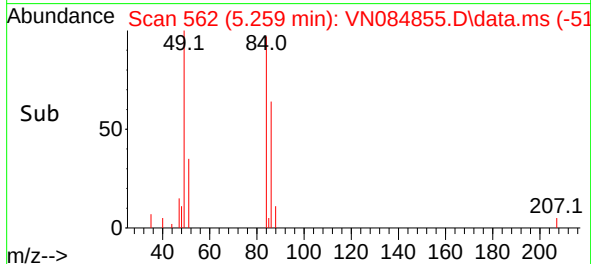


#20
Methylene Chloride
Concen: 4.787 ug/l
RT: 5.259 min Scan# 51
Delta R.T. -0.018 min
Lab File: VN084855.D
Acq: 14 Nov 2024 16:35

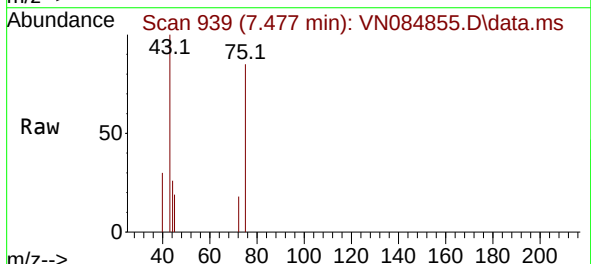
Instrument :
MSVOA_N
ClientSampleId :



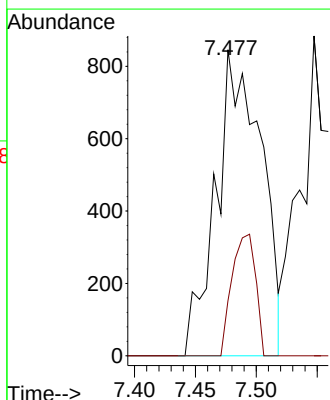
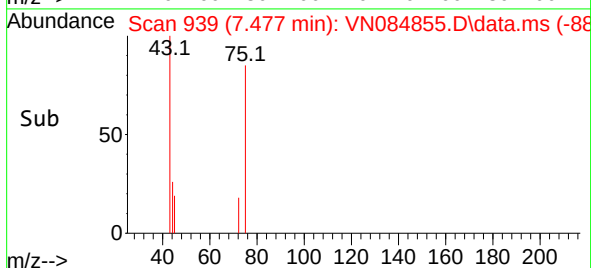
Tgt Ion: 84 Resp: 10221
Ion Ratio Lower Upper
84 100
49 103.3 107.2 160.8#
51 36.5 31.8 47.8
86 66.2 52.9 79.3

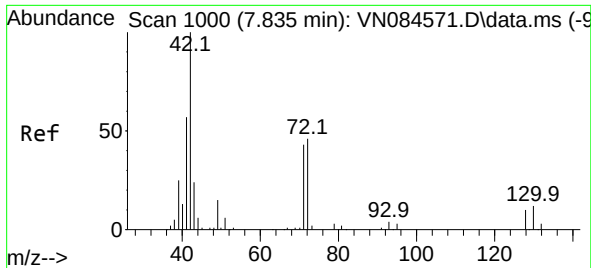


#25
2-Butanone
Concen: 1.928 ug/l
RT: 7.477 min Scan# 939
Delta R.T. -0.006 min
Lab File: VN084855.D
Acq: 14 Nov 2024 16:35



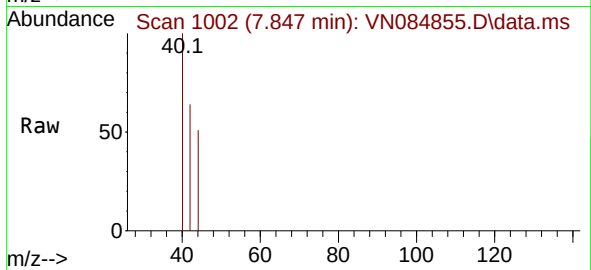
Tgt Ion: 43 Resp: 2184
Ion Ratio Lower Upper
43 100
72 18.0 21.4 32.2#



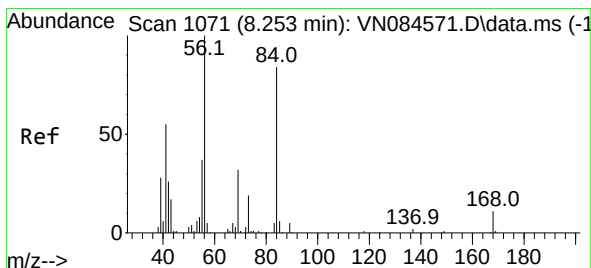
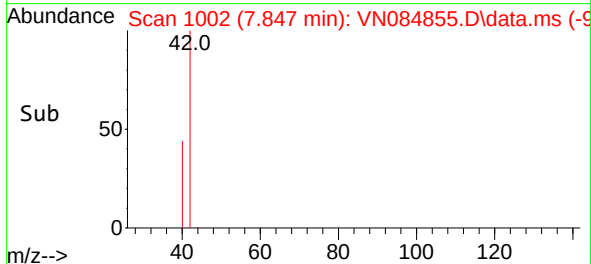
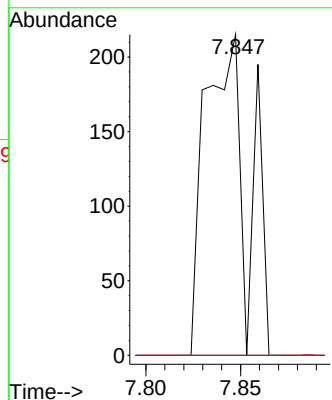


#29
Tetrahydrofuran
Concen: 0.445 ug/l
RT: 7.847 min Scan# 1064
Delta R.T. 0.012 min
Lab File: VN084855.D
Acq: 14 Nov 2024 16:35

Instrument :
MSVOA_N
ClientSampleId :

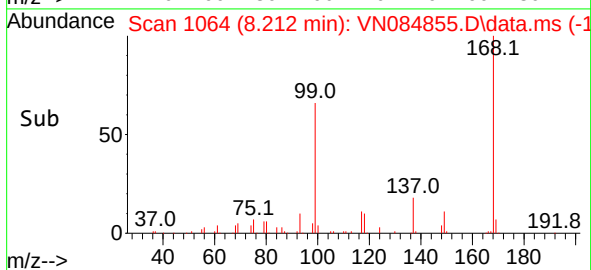
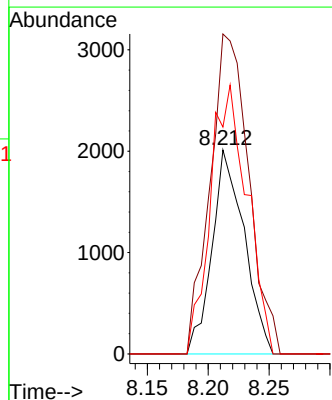
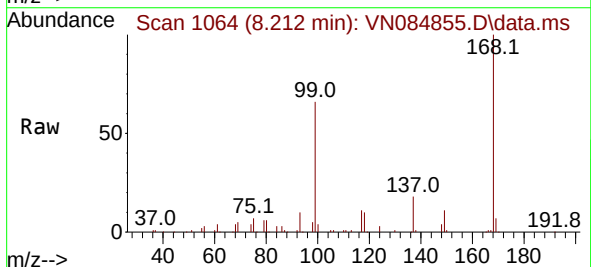


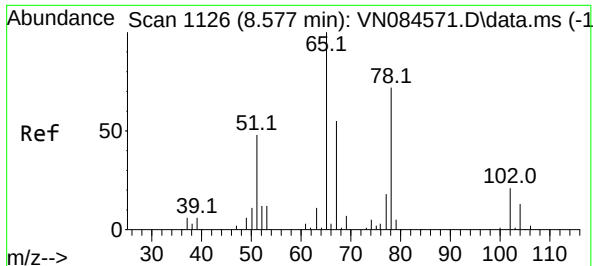
Tgt Ion:	42	Resp:	334
Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.6	51.8#
71	0.0	32.2	48.4#



#31
Cyclohexane
Concen: 1.101 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.041 min
Lab File: VN084855.D
Acq: 14 Nov 2024 16:35

Tgt Ion:	56	Resp:	3689
Ion	Ratio	Lower	Upper
56	100		
69	156.9	23.8	35.6#
84	111.2	68.8	103.2#





#33

1,2-Dichloroethane-d4

Concen: 48.975 ug/l

RT: 8.571 min Scan# 1125

Delta R.T. -0.006 min

Lab File: VN084855.D

Acq: 14 Nov 2024 16:35

Instrument :

MSVOA_N

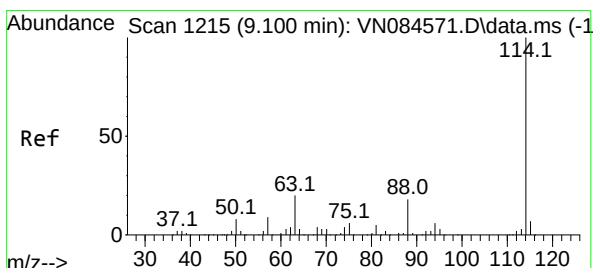
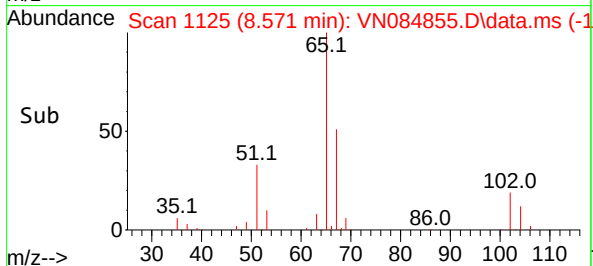
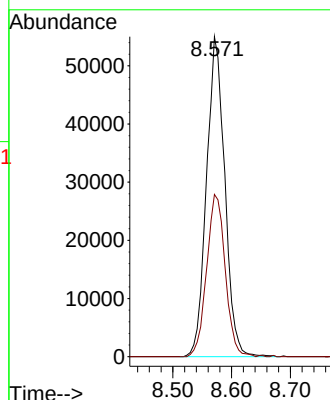
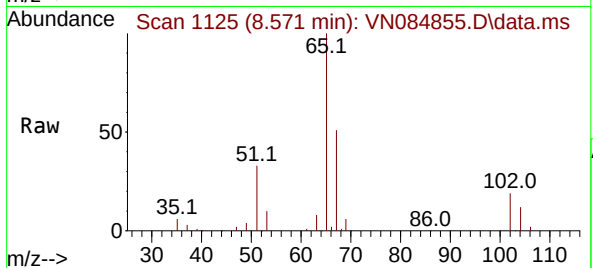
ClientSampleId :

Tgt Ion: 65 Resp: 118886

Ion Ratio Lower Upper

65 100

67 51.5 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 1214

Delta R.T. -0.006 min

Lab File: VN084855.D

Acq: 14 Nov 2024 16:35

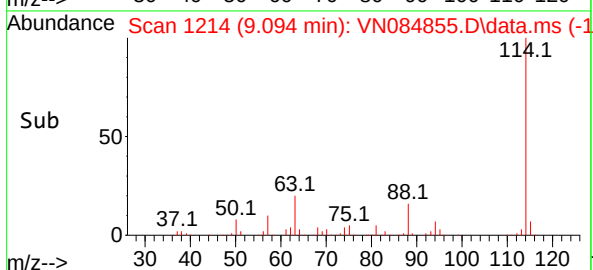
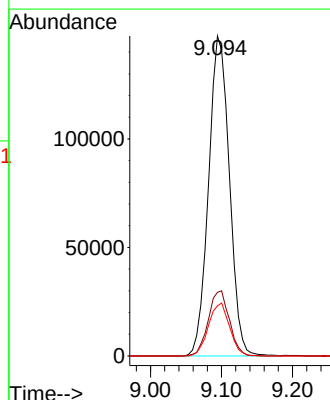
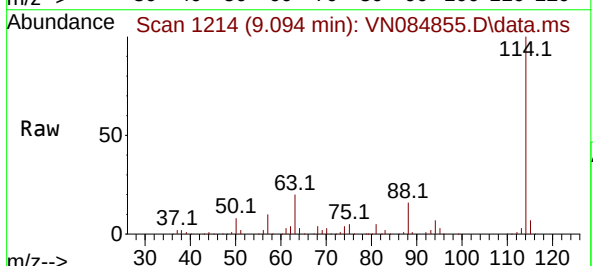
Tgt Ion: 114 Resp: 300621

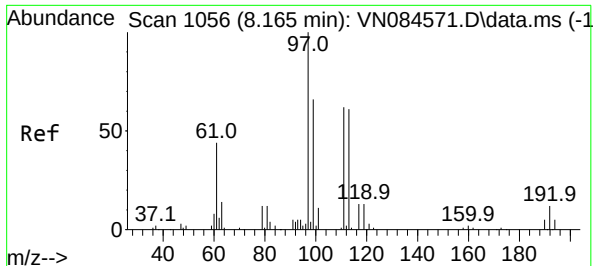
Ion Ratio Lower Upper

114 100

63 19.9 0.0 43.8

88 15.7 0.0 31.6





#35

Dibromofluoromethane

Concen: 46.626 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN084855.D

Acq: 14 Nov 2024 16:35

Instrument :

MSVOA_N

ClientSampleId :

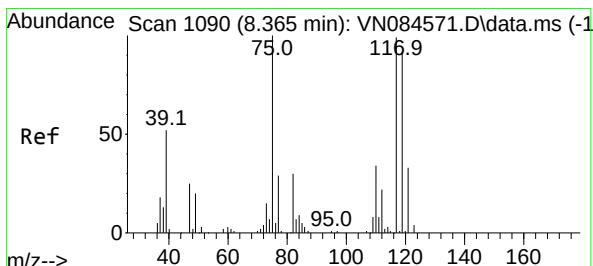
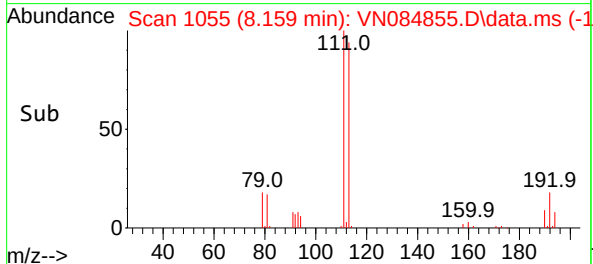
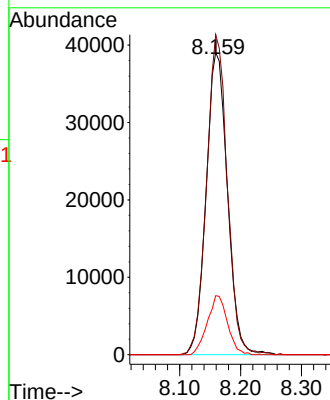
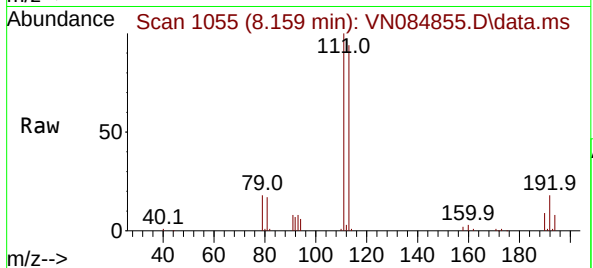
Tgt Ion:113 Resp: 94877

Ion Ratio Lower Upper

113 100

111 102.8 83.3 124.9

192 18.5 13.5 20.3



#36

1,1-Dichloropropene

Concen: 4.822 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN084855.D

Acq: 14 Nov 2024 16:35

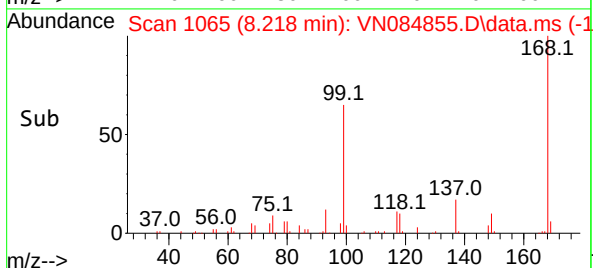
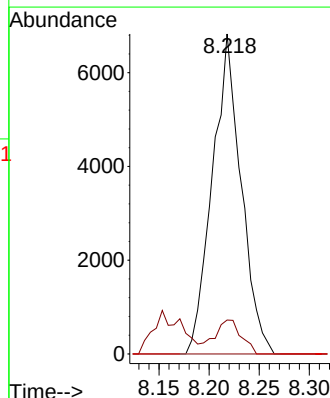
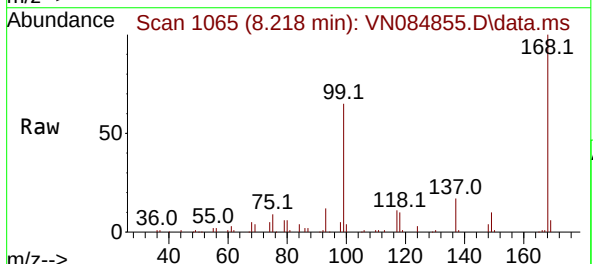
Tgt Ion: 75 Resp: 13609

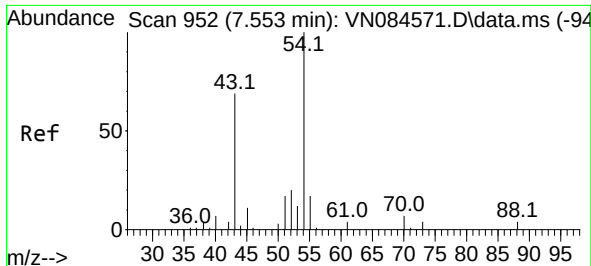
Ion Ratio Lower Upper

75 100

110 9.4 16.9 50.7#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.969 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.006 min

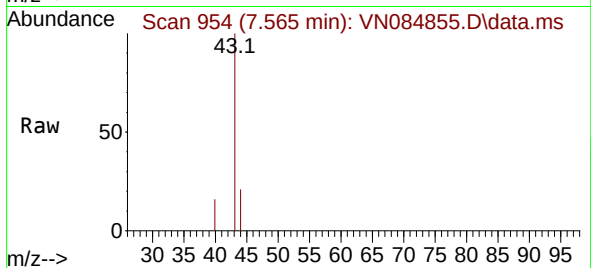
Lab File: VN084855.D

Acq: 14 Nov 2024 16:35

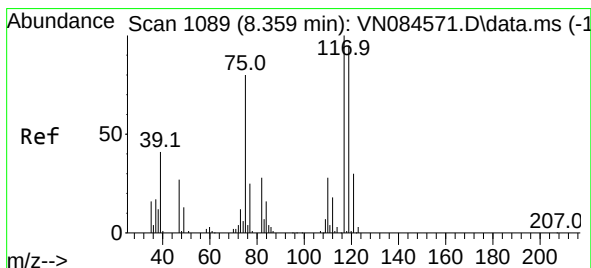
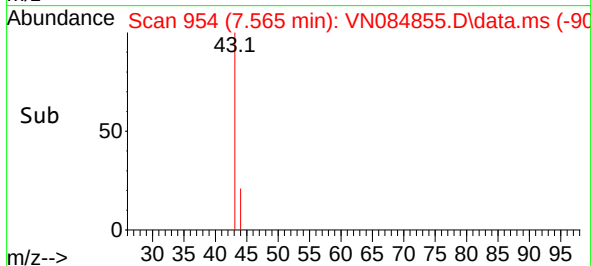
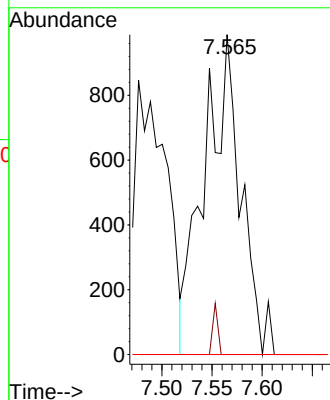
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	2480
Ion	Ratio	Lower	Upper
43	100		
61	2.3	10.7	16.1#
70	0.0	8.8	13.2#



#38

Carbon Tetrachloride

Concen: 5.739 ug/l

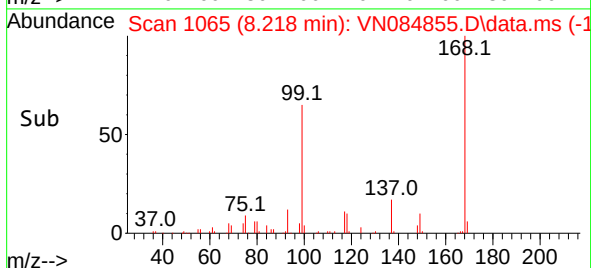
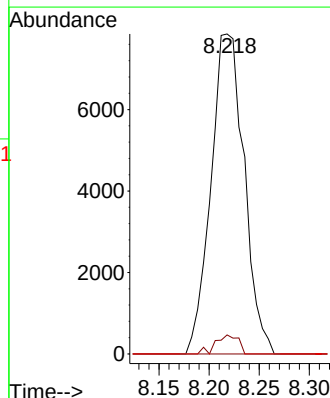
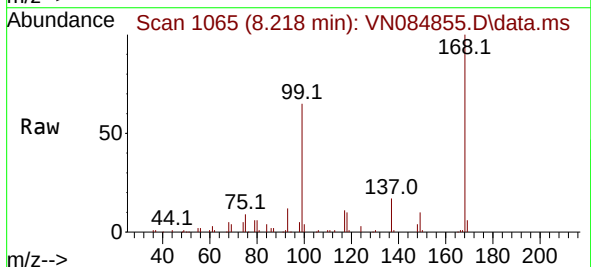
RT: 8.218 min Scan# 1065

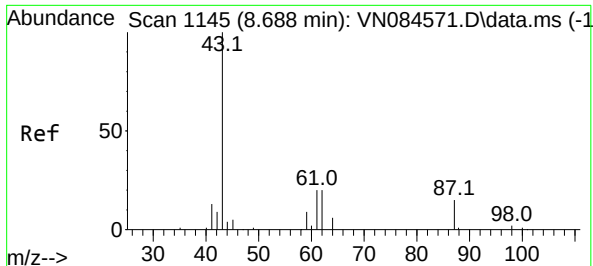
Delta R.T. -0.141 min

Lab File: VN084855.D

Acq: 14 Nov 2024 16:35

Tgt Ion:	117	Resp:	18104
Ion	Ratio	Lower	Upper
117	100		
119	5.9	78.7	118.1#
121	0.0	24.4	36.6#

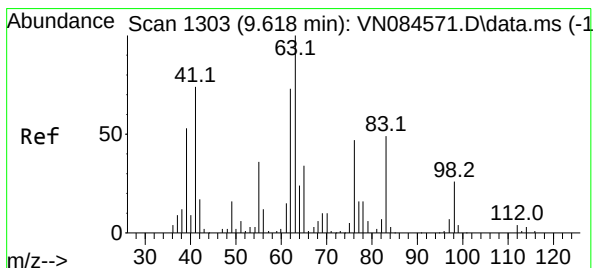
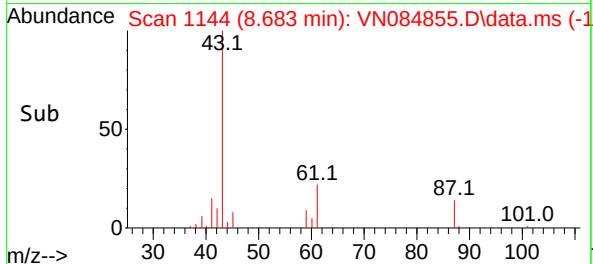
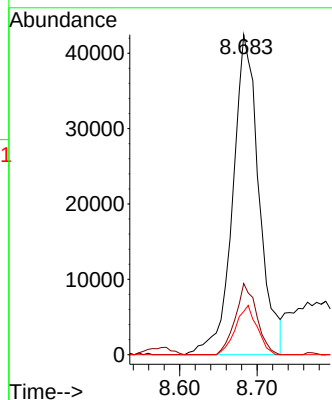
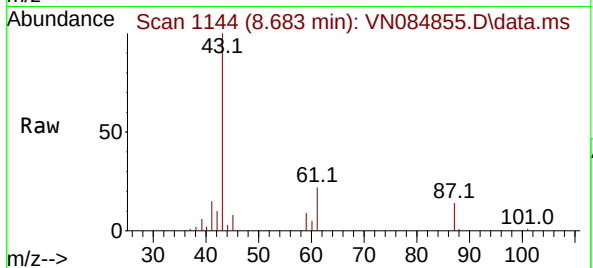




#43
Isopropyl Acetate
Concen: 20.618 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. -0.005 min
Lab File: VN084855.D
Acq: 14 Nov 2024 16:35

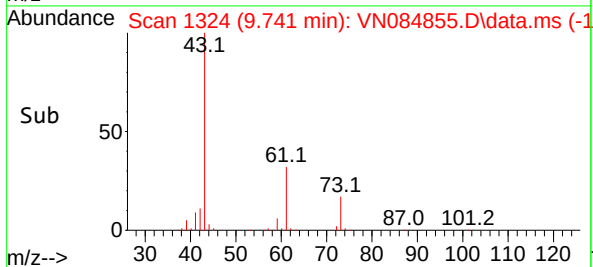
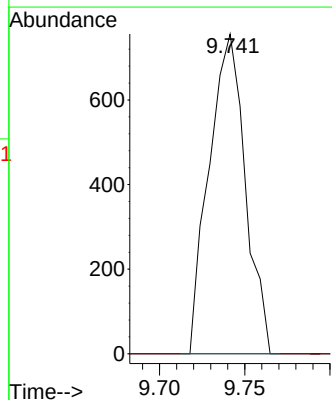
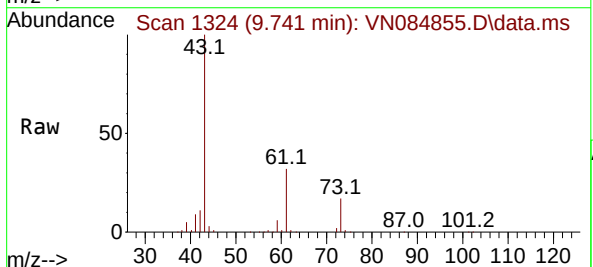
Instrument :
MSVOA_N
ClientSampleId :

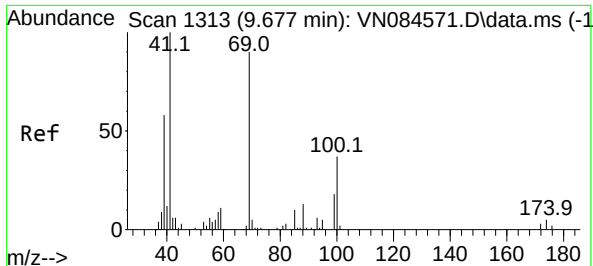
Tgt Ion: 43 Resp: 100213
Ion Ratio Lower Upper
43 100
61 18.1 20.4 30.6#
87 12.6 10.3 15.5



#45
1,2-Dichloropropane
Concen: 0.526 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.123 min
Lab File: VN084855.D
Acq: 14 Nov 2024 16:35

Tgt Ion: 63 Resp: 1118
Ion Ratio Lower Upper
63 100
65 0.0 24.6 37.0#





#48

Methyl methacrylate

Concen: 1.213 ug/l

RT: 9.665 min Scan# 1

Delta R.T. -0.012 min

Lab File: VN084855.D

Acq: 14 Nov 2024 16:35

Instrument :

MSVOA_N

ClientSampleId :

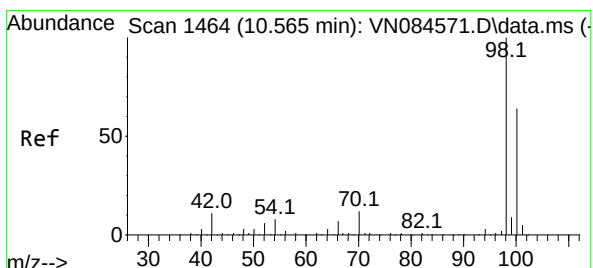
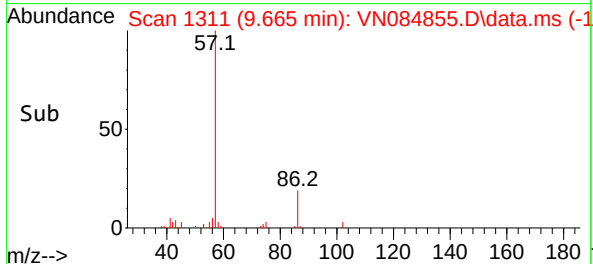
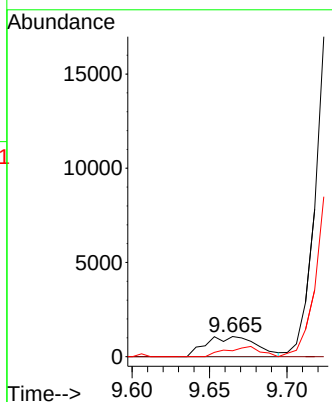
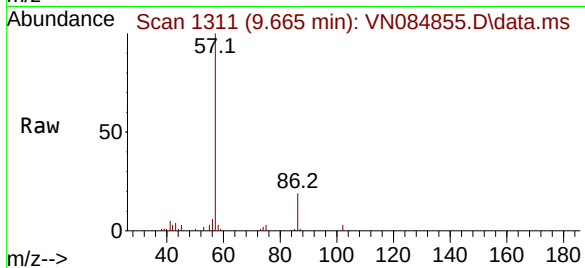
Tgt Ion: 41 Resp: 2418

Ion Ratio Lower Upper

41 100

69 0.0 67.1 100.7#

39 0.0 45.8 68.6#



#50

Toluene-d8

Concen: 47.373 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084855.D

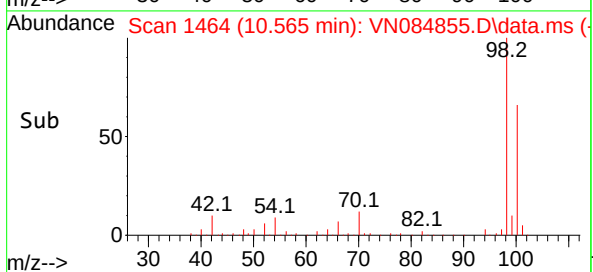
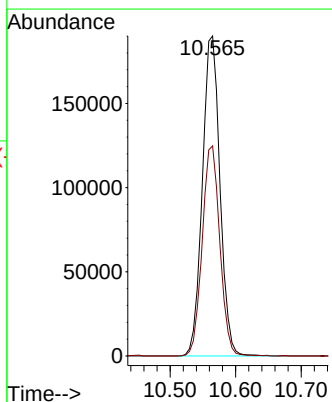
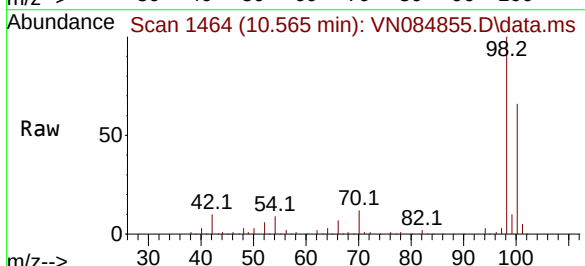
Acq: 14 Nov 2024 16:35

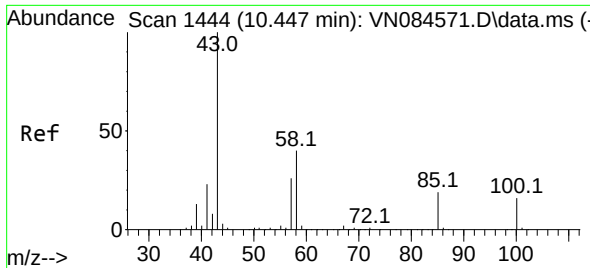
Tgt Ion: 98 Resp: 355093

Ion Ratio Lower Upper

98 100

100 65.7 52.7 79.1

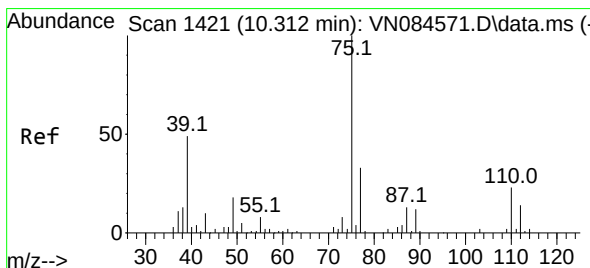
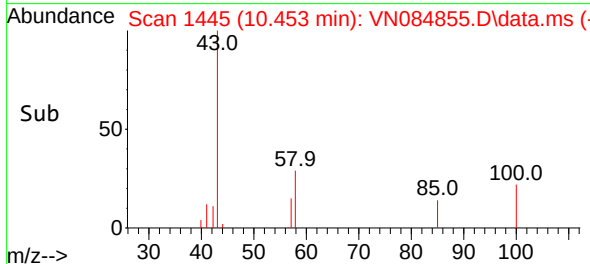
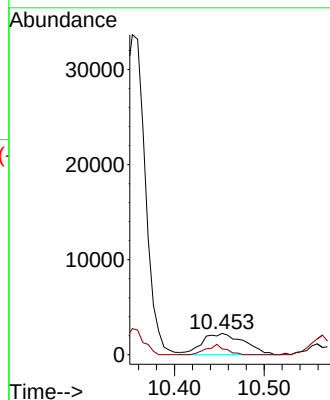
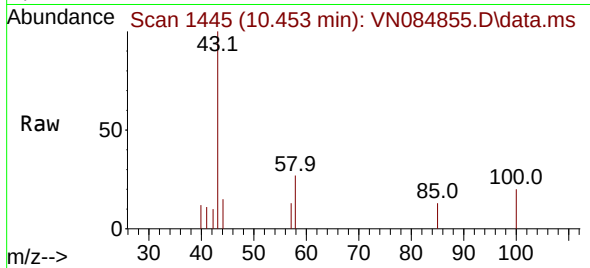




#51
4-Methyl-2-Pentanone
Concen: 2.986 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.012 min
Lab File: VN084855.D
Acq: 14 Nov 2024 16:35

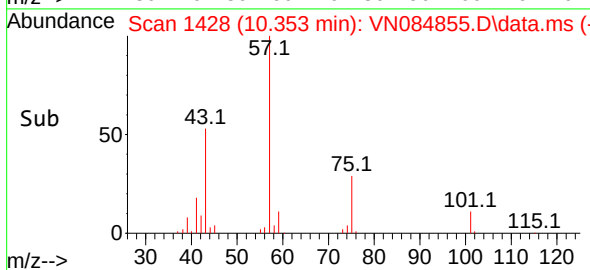
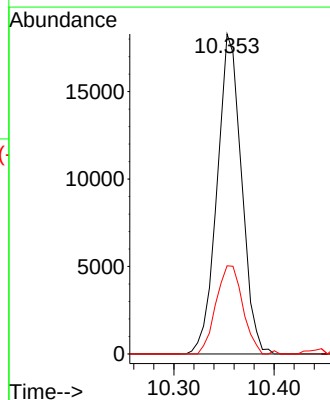
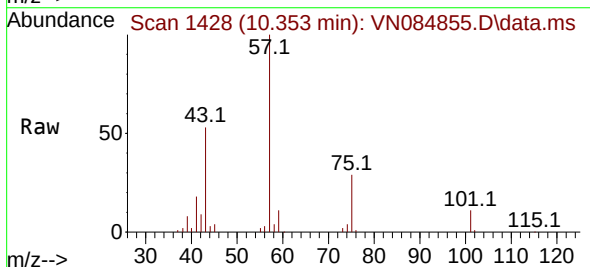
Instrument :
MSVOA_N
ClientSampleId :

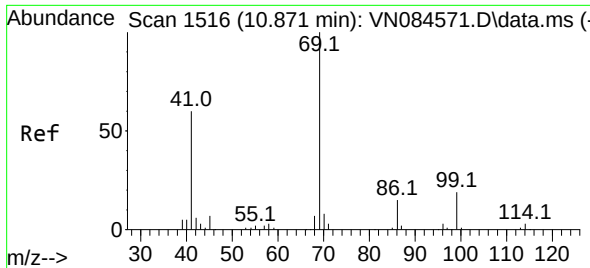
Tgt Ion: 43 Resp: 7288
Ion Ratio Lower Upper
43 100
58 21.3 31.6 47.4#



#54
cis-1,3-Dichloropropene
Concen: 8.931 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.041 min
Lab File: VN084855.D
Acq: 14 Nov 2024 16:35

Tgt Ion: 75 Resp: 30942
Ion Ratio Lower Upper
75 100
77 0.0 24.2 36.2#
39 27.6 38.7 58.1#

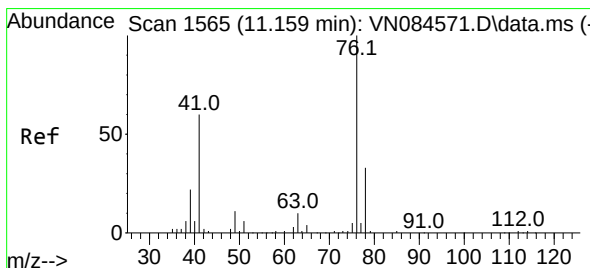
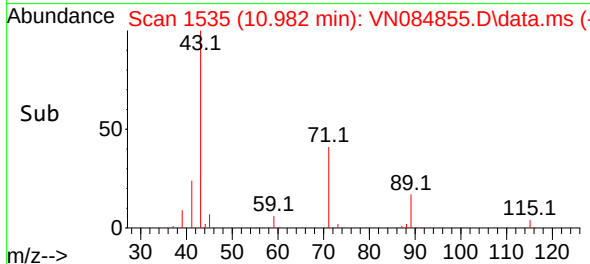
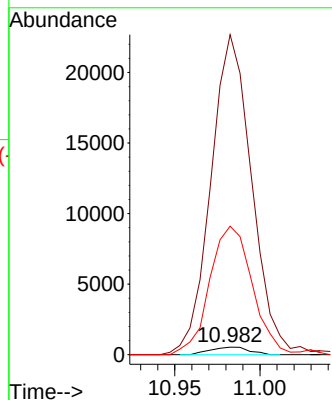
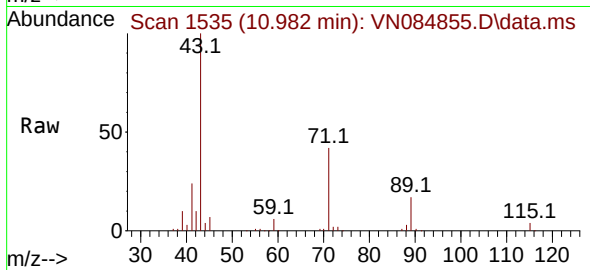




#56
Ethyl methacrylate
Concen: 0.293 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.112 min
Lab File: VN084855.D
Acq: 14 Nov 2024 16:35

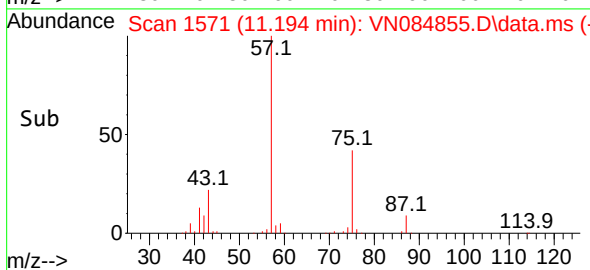
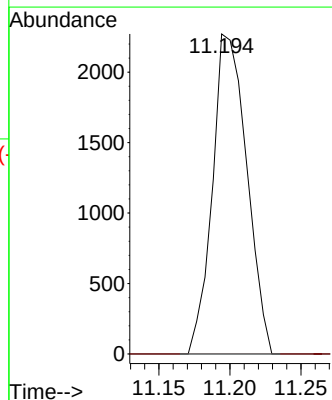
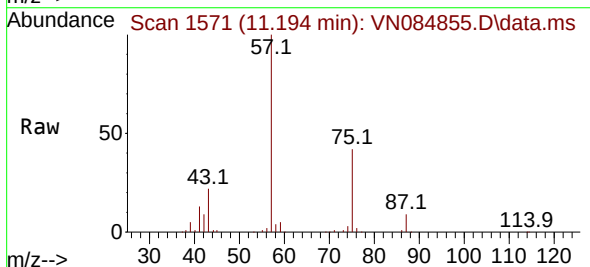
Instrument :
MSVOA_N
ClientSampleId :

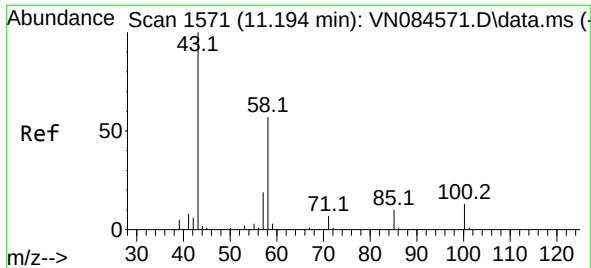
Tgt Ion: 69 Resp: 845
Ion Ratio Lower Upper
69 100
41 4512.8 53.3 79.9#
39 1879.5 28.8 43.2#



#57
1,3-Dichloropropane
Concen: 1.113 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.035 min
Lab File: VN084855.D
Acq: 14 Nov 2024 16:35

Tgt Ion: 76 Resp: 3815
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

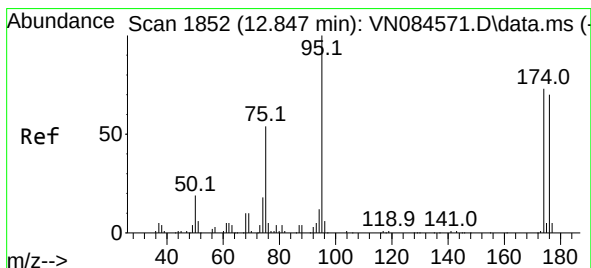
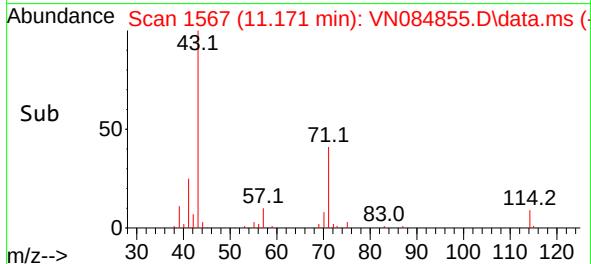
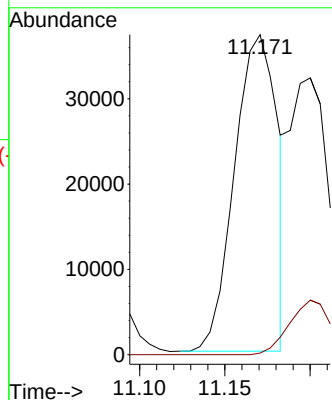
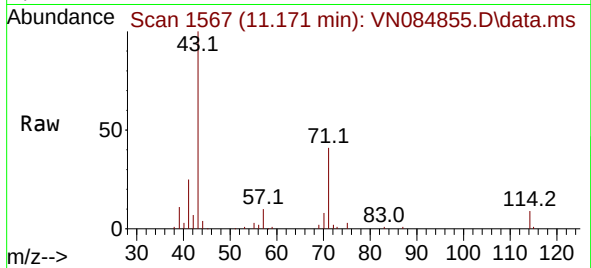




#59
2-Hexanone
Concen: 36.518 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.023 min
Lab File: VN084855.D
Acq: 14 Nov 2024 16:35

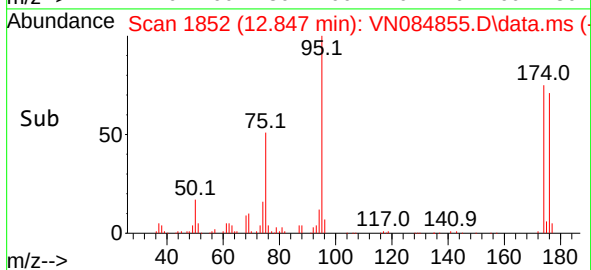
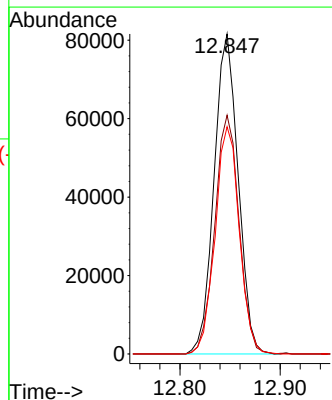
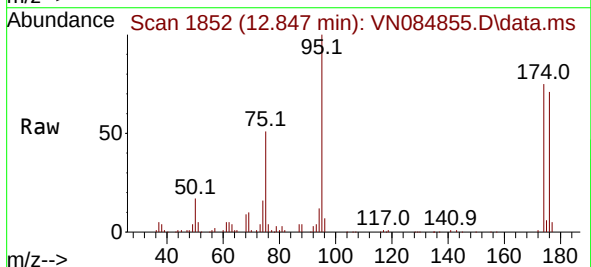
Instrument :
MSVOA_N
ClientSampleId :

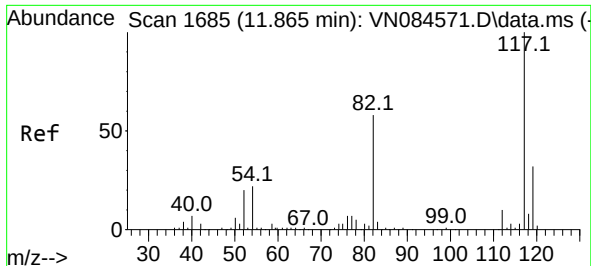
Tgt Ion: 43 Resp: 64880
Ion Ratio Lower Upper
43 100
58 0.0 27.3 81.8#



#62
4-Bromofluorobenzene
Concen: 48.521 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084855.D
Acq: 14 Nov 2024 16:35

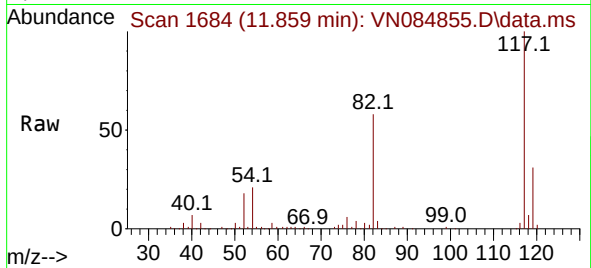
Tgt Ion: 95 Resp: 135926
Ion Ratio Lower Upper
95 100
174 75.2 0.0 145.2
176 71.4 0.0 140.0



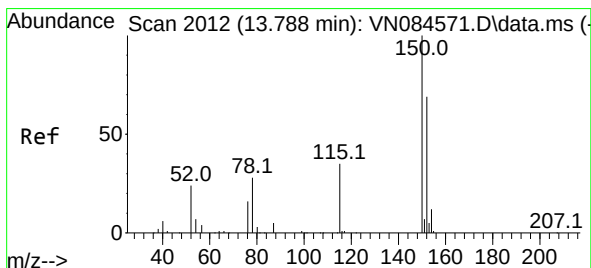
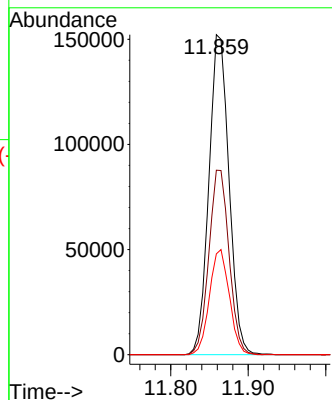
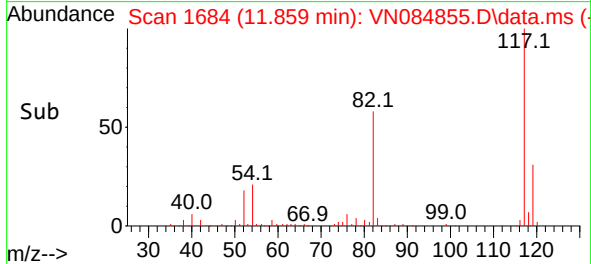


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 117
Delta R.T. -0.006 min
Lab File: VN084855.D
Acq: 14 Nov 2024 16:35

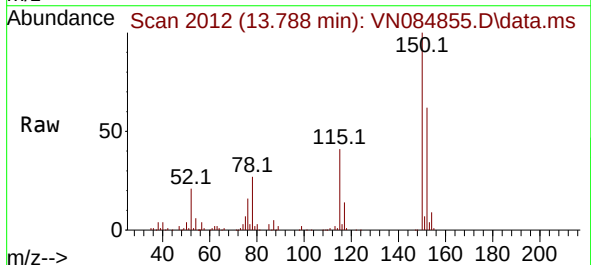
Instrument :
MSVOA_N
ClientSampleId :



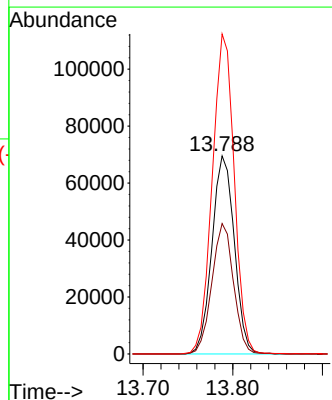
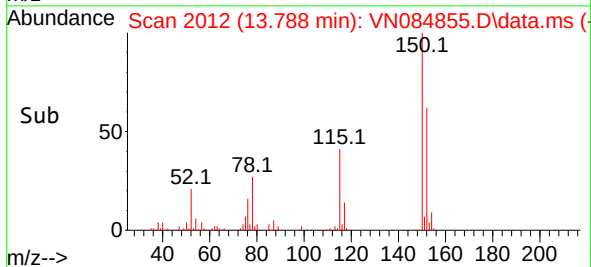
Tgt Ion:117 Resp: 274245
Ion Ratio Lower Upper
117 100
82 57.6 47.2 70.8
119 31.5 25.4 38.0

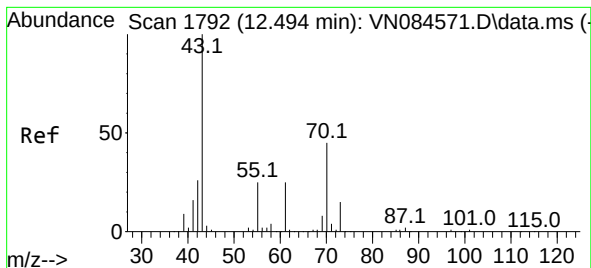


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084855.D
Acq: 14 Nov 2024 16:35



Tgt Ion:152 Resp: 120344
Ion Ratio Lower Upper
152 100
115 63.8 31.3 93.9
150 158.6 0.0 349.8





#74

N-amy1 acetate

Concen: 0.208 ug/l

RT: 12.476 min Scan# 1

Delta R.T. -0.018 min

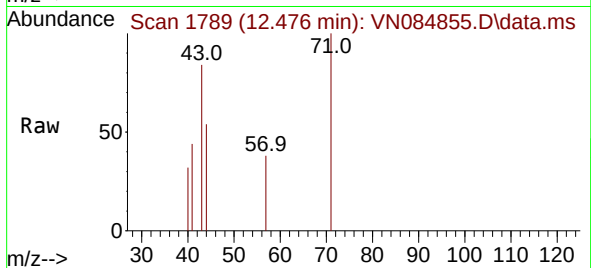
Lab File: VN084855.D

Acq: 14 Nov 2024 16:35

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 747

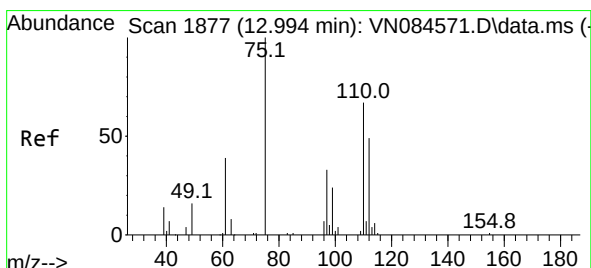
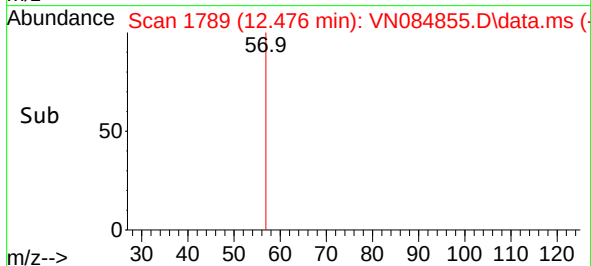
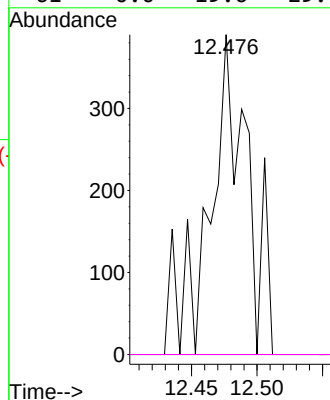
Ion Ratio Lower Upper

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: 28.823 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN084855.D

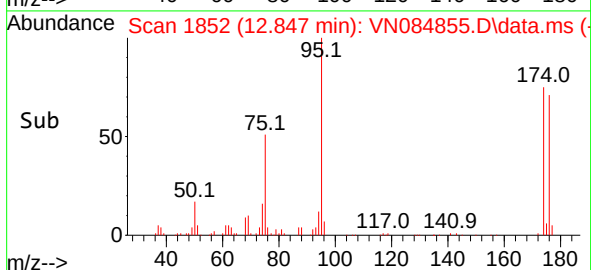
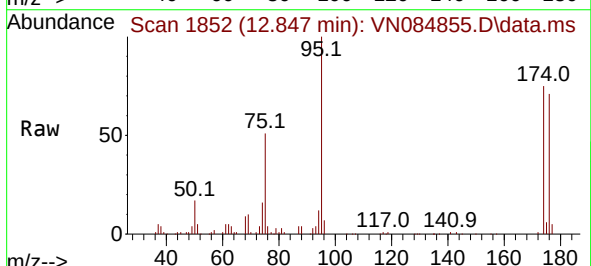
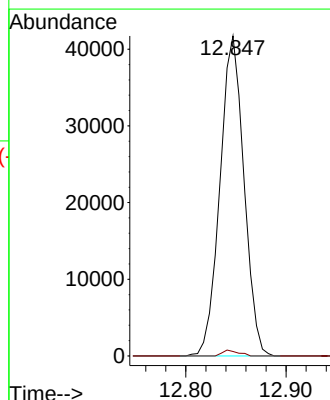
Acq: 14 Nov 2024 16:35

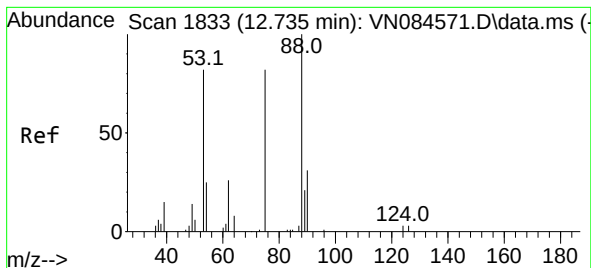
Tgt Ion: 75 Resp: 69338

Ion Ratio Lower Upper

75 100

77 1.2 96.9 290.7#

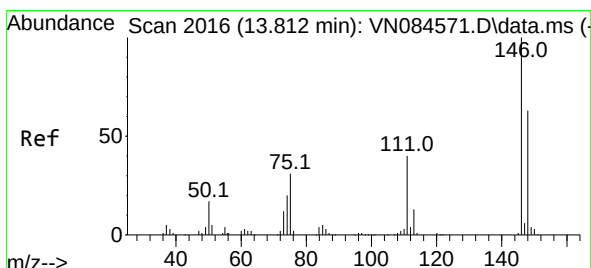
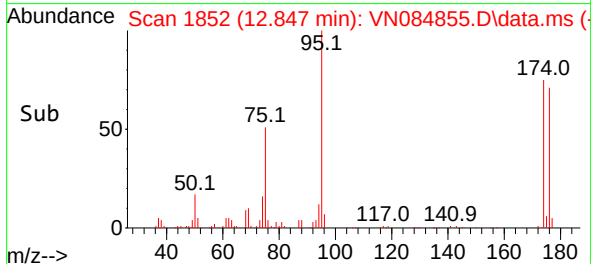
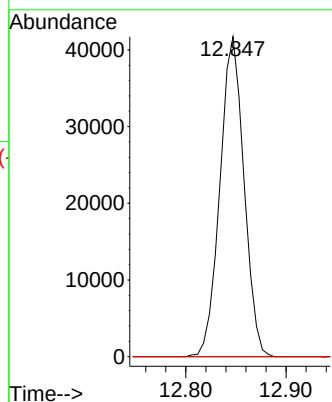
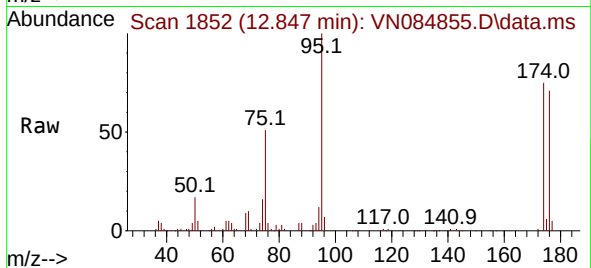




#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.381 ug/l
 RT: 12.847 min Scan# 1833
 Delta R.T. 0.112 min
 Lab File: VN084855.D
 Acq: 14 Nov 2024 16:35

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion: 75 Resp: 69338
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 35.5 53.3#



#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.806 min Scan# 2015
 Delta R.T. -0.006 min
 Lab File: VN084855.D
 Acq: 14 Nov 2024 16:35

Tgt Ion:146 Resp: 355
 Ion Ratio Lower Upper
 146 100
 111 523.9 21.2 63.6#
 148 157.5 31.9 95.9#

