

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092024\
 Data File : VN084091.D
 Acq On : 21 Sep 2024 05:23 am
 Operator : JC\MD
 Sample : P4120-14
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RB24085

Quant Time: Sep 21 05:57:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 15:18:56 2024
 Response via : Initial Calibration

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

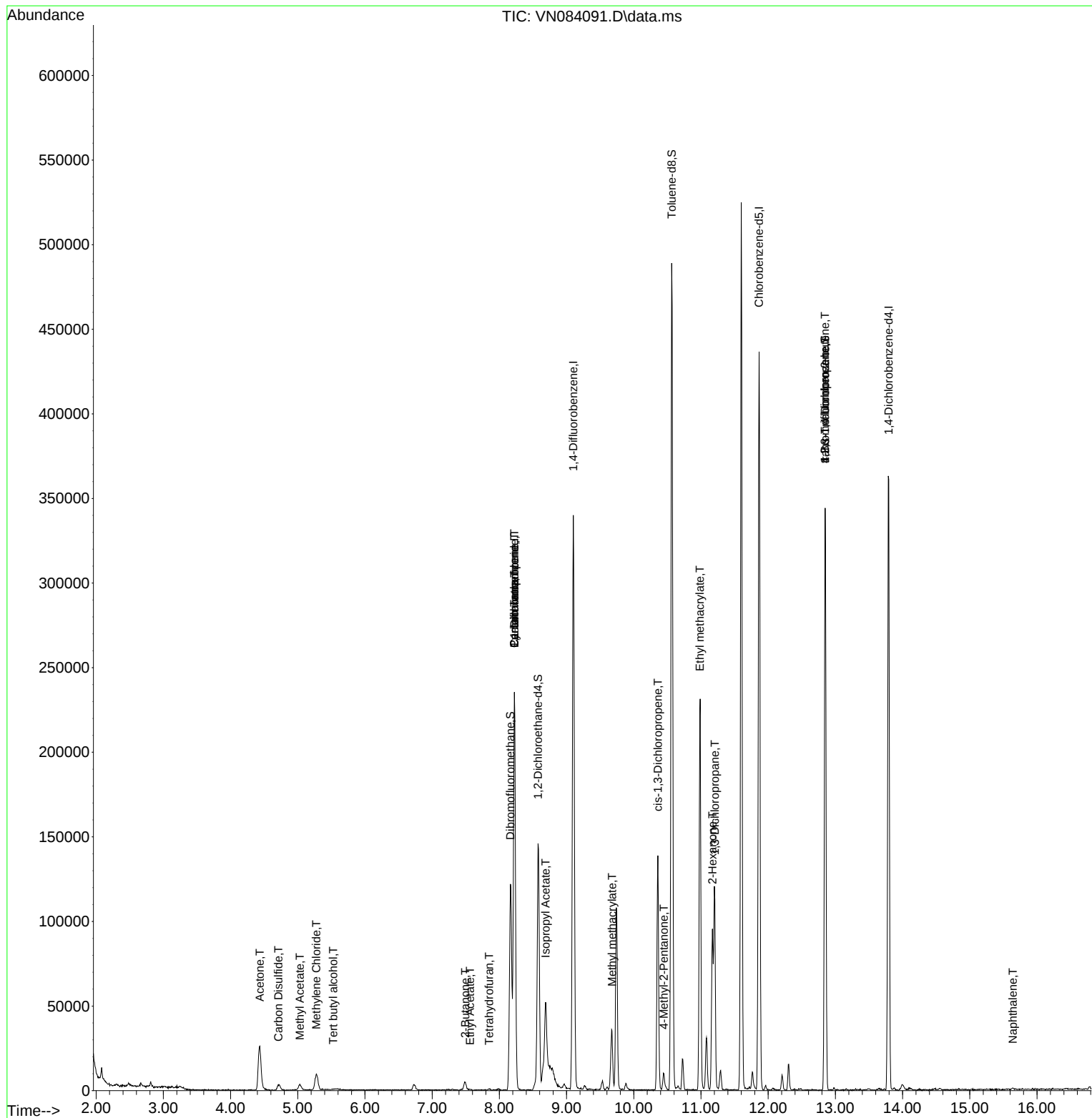
Internal Standards						
1) Pentafluorobenzene	8.224	168	156202	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	275515	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	233380	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	93944	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	124761	52.970	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.940%	
35) Dibromofluoromethane	8.165	113	87006	49.328	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.660%	
50) Toluene-d8	10.565	98	335488	55.020	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 110.040%	
62) 4-Bromofluorobenzene	12.847	95	116276	46.220	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 92.440%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.530	59	619	1.963	ug/l #	71
16) Acetone	4.436	43	51931	55.001	ug/l	95
17) Carbon Disulfide	4.712	76	2113	0.447	ug/l #	75
18) Methyl Acetate	5.030	43	6854	1.691	ug/l #	90
20) Methylene Chloride	5.277	84	7522	3.893	ug/l	95
25) 2-Butanone	7.494	43	8309	6.696	ug/l #	84
29) Tetrahydrofuran	7.847	42	508	0.692	ug/l #	32
31) Cyclohexane	8.224	56	4110	1.207	ug/l #	12
36) 1,1-Dichloropropene	8.224	75	14883	5.606	ug/l #	52
37) Ethyl Acetate	7.565	43	730	0.303	ug/l #	68
38) Carbon Tetrachloride	8.224	117	18207	6.045	ug/l #	16
43) Isopropyl Acetate	8.688	43	77478	17.742	ug/l #	77
48) Methyl methacrylate	9.676	41	2429	1.172	ug/l #	43
51) 4-Methyl-2-Pentanone	10.447	43	8638	3.634	ug/l #	85
54) cis-1,3-Dichloropropene	10.359	75	23633	7.582	ug/l #	60
56) Ethyl methacrylate	10.982	69	850	0.303	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	1137	0.363	ug/l #	42
59) 2-Hexanone	11.170	43	94499	53.742	ug/l #	24
76) 1,2,3-Trichloropropane	12.847	75	65415	34.509	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	65415	90.381	ug/l #	9
95) Naphthalene	15.641	128	1159	0.223	ug/l #	69

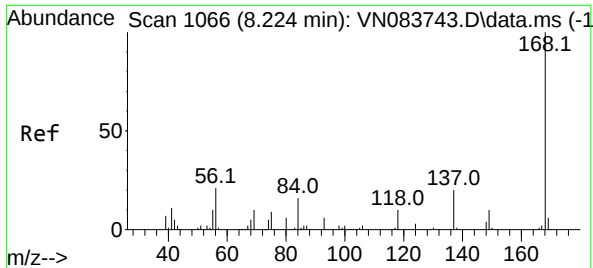
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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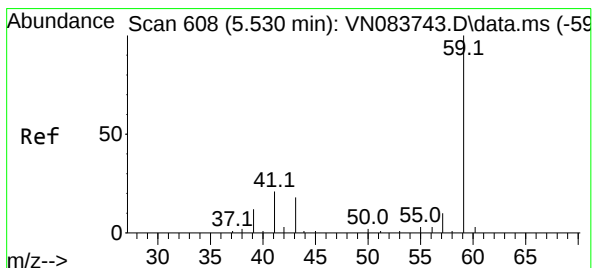
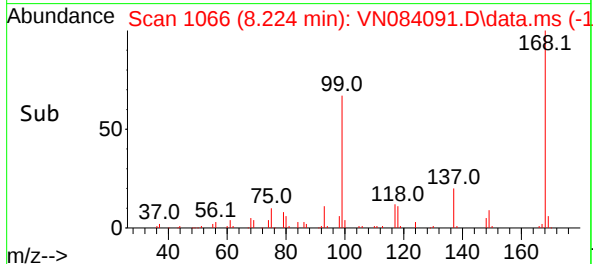
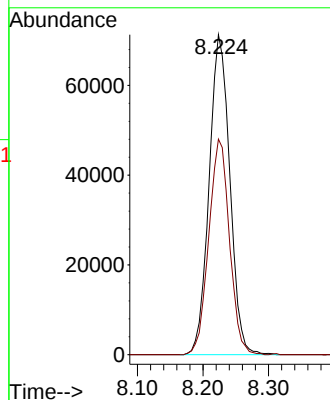
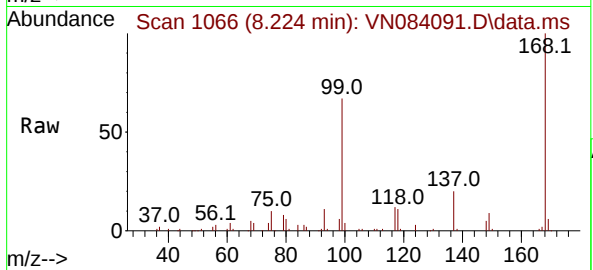




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084091.D
Acq: 21 Sep 2024 05:23

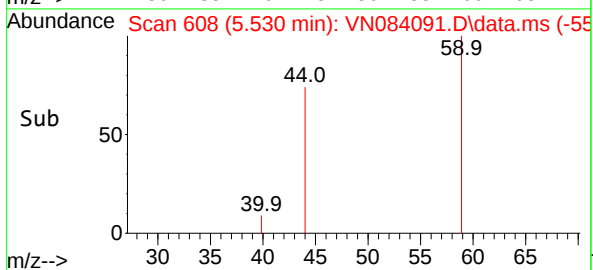
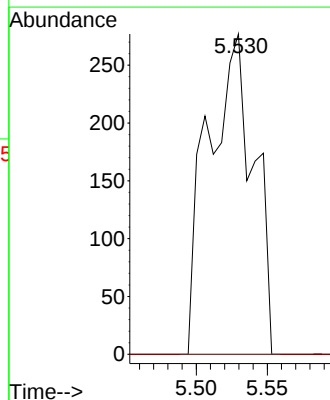
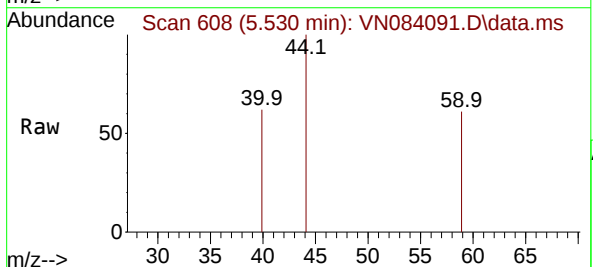
Instrument :
MSVOA_N
ClientSampleId :
RB24085

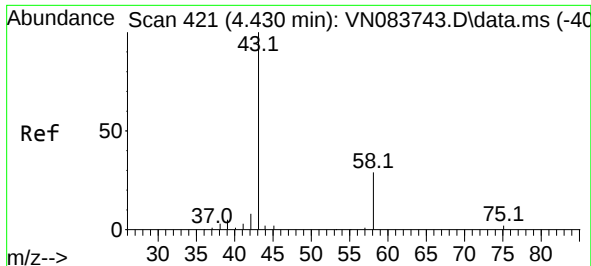
Tgt Ion:168 Resp: 156202
Ion Ratio Lower Upper
168 100
99 67.4 54.2 81.2



#11
Tert butyl alcohol
Concen: 1.963 ug/l
RT: 5.530 min Scan# 608
Delta R.T. -0.000 min
Lab File: VN084091.D
Acq: 21 Sep 2024 05:23 am

Tgt Ion: 59 Resp: 619
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#





#16

Acetone

Concen: 55.001 ug/l

RT: 4.436 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN084091.D

Acq: 21 Sep 2024 05:23

Instrument :

MSVOA_N

ClientSampleId :

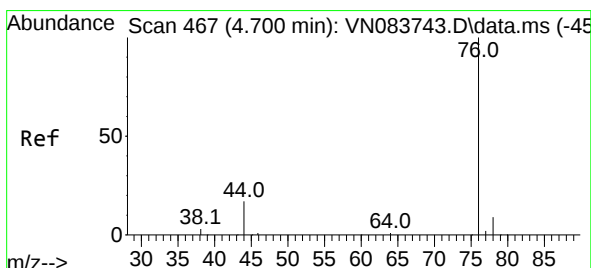
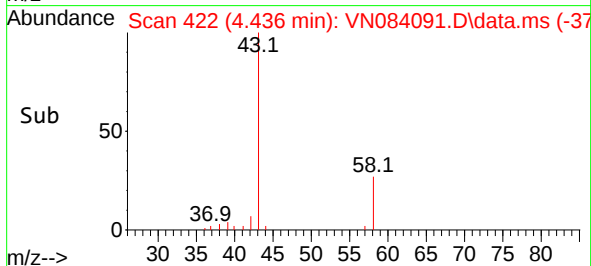
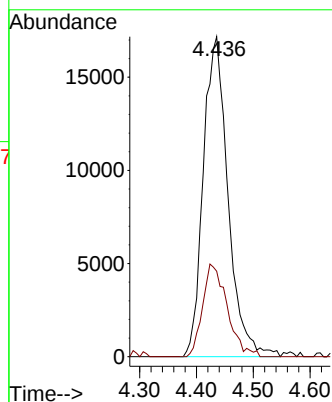
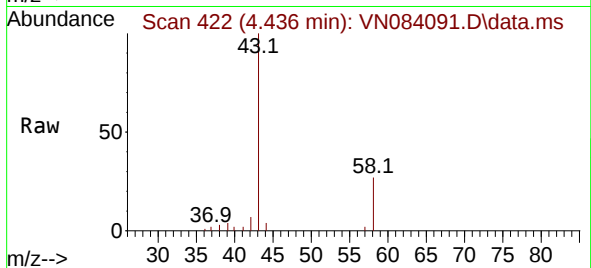
RB24085

Tgt Ion: 43 Resp: 51931

Ion Ratio Lower Upper

43 100

58 26.7 23.7 35.5



#17

Carbon Disulfide

Concen: 0.447 ug/l

RT: 4.712 min Scan# 469

Delta R.T. 0.012 min

Lab File: VN084091.D

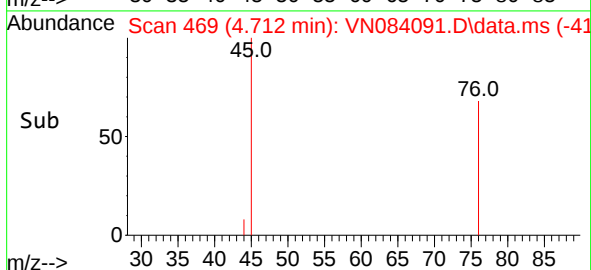
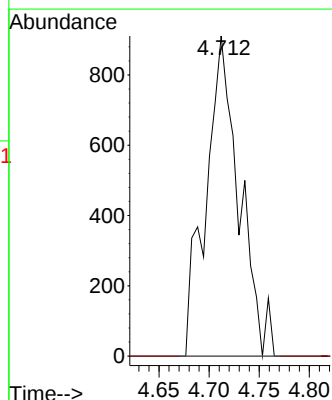
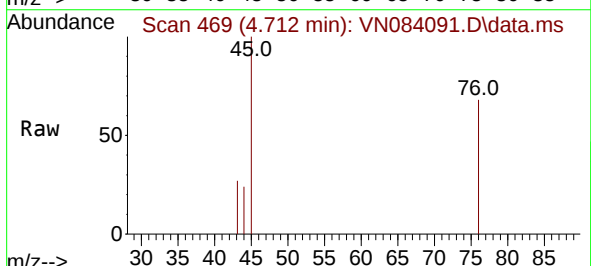
Acq: 21 Sep 2024 05:23 am

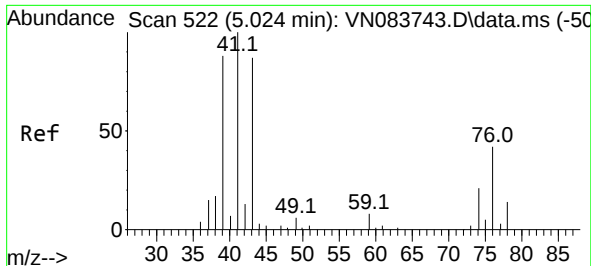
Tgt Ion: 76 Resp: 2113

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#





#18

Methyl Acetate

Concen: 1.691 ug/l

RT: 5.030 min Scan# 51

Delta R.T. 0.006 min

Lab File: VN084091.D

Acq: 21 Sep 2024 05:23

Instrument :

MSVOA_N

ClientSampleId :

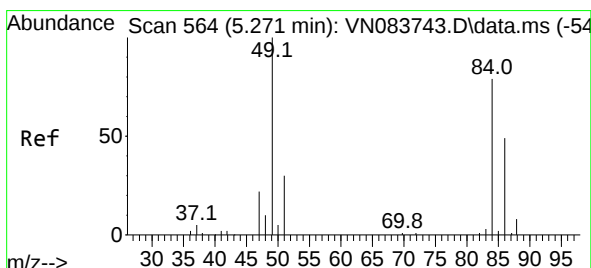
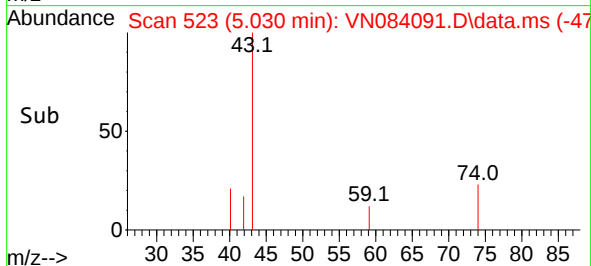
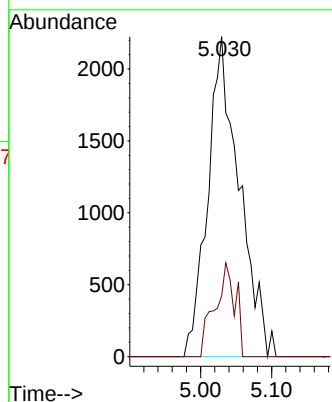
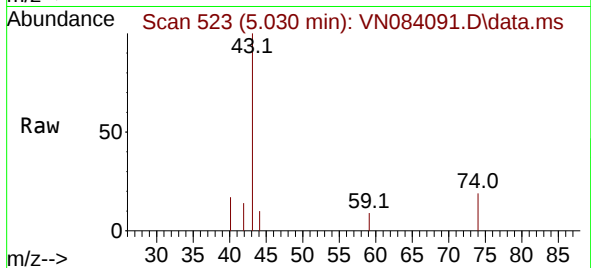
RB24085

Tgt Ion: 43 Resp: 6854

Ion Ratio Lower Upper

43 100

74 18.8 19.0 28.4#



#20

Methylene Chloride

Concen: 3.893 ug/l

RT: 5.277 min Scan# 565

Delta R.T. 0.006 min

Lab File: VN084091.D

Acq: 21 Sep 2024 05:23 am

Tgt Ion: 84 Resp: 7522

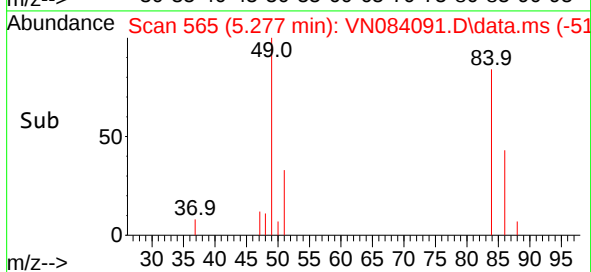
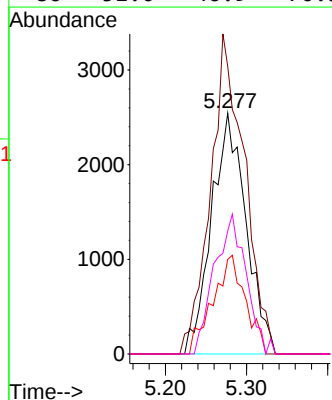
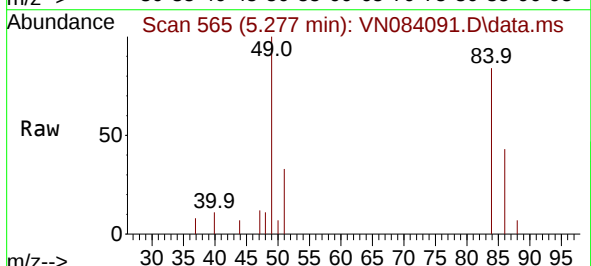
Ion Ratio Lower Upper

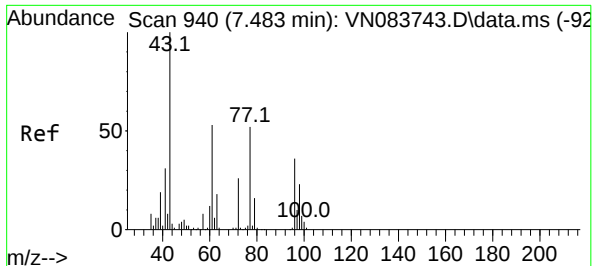
84 100

49 119.4 93.4 140.0

51 39.3 29.2 43.8

86 51.0 46.9 70.3





#25

2-Butanone

Concen: 6.696 ug/l

RT: 7.494 min Scan# 94

Delta R.T. 0.012 min

Lab File: VN084091.D

Acq: 21 Sep 2024 05:23

Instrument :

MSVOA_N

ClientSampleId :

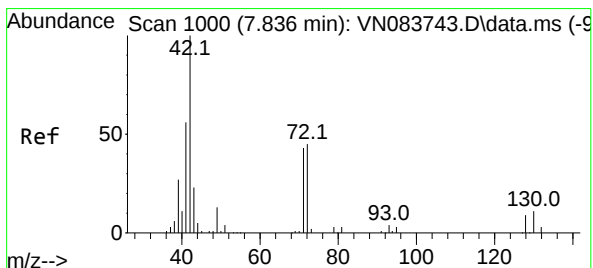
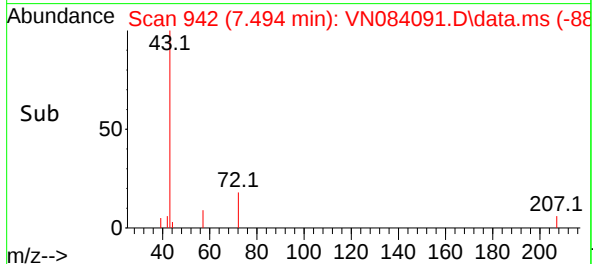
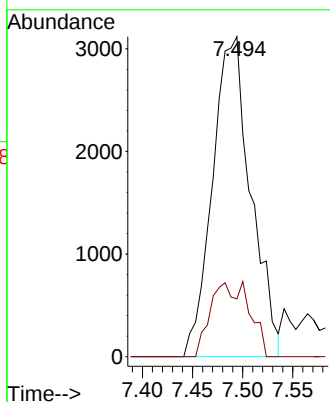
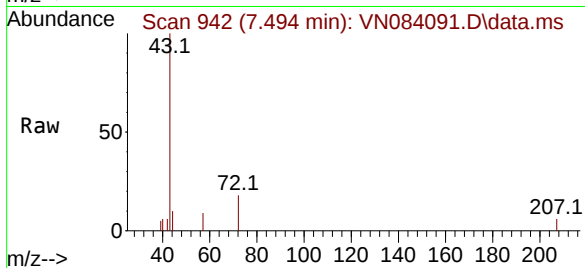
RB24085

Tgt Ion: 43 Resp: 8309

Ion Ratio Lower Upper

43 100

72 18.0 20.8 31.2#



#29

Tetrahydrofuran

Concen: 0.692 ug/l

RT: 7.847 min Scan# 1002

Delta R.T. 0.012 min

Lab File: VN084091.D

Acq: 21 Sep 2024 05:23 am

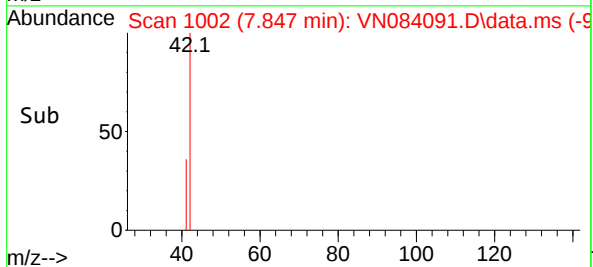
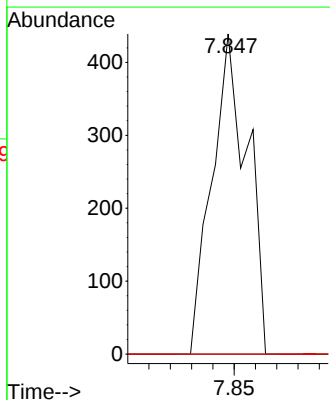
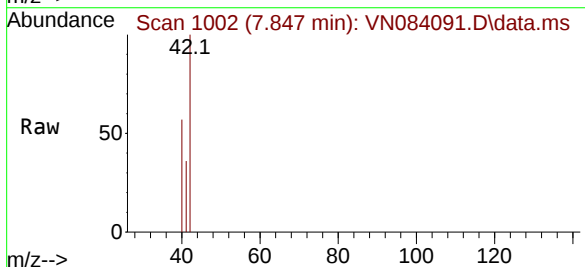
Tgt Ion: 42 Resp: 508

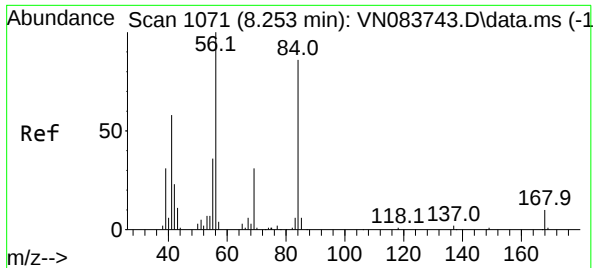
Ion Ratio Lower Upper

42 100

72 0.0 35.9 53.9#

71 0.0 33.9 50.9#

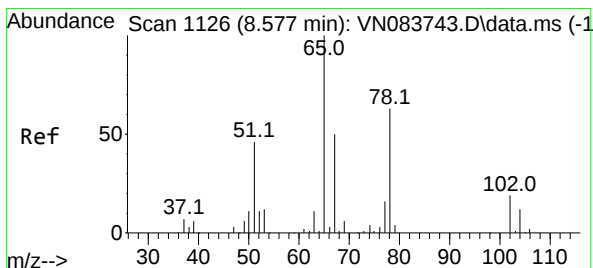
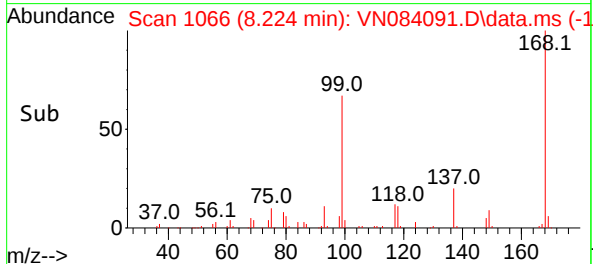
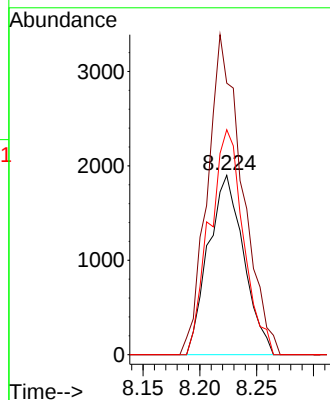
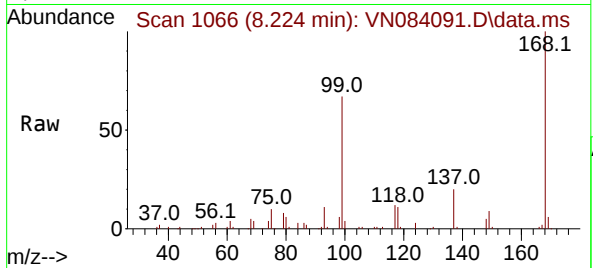




#31
Cyclohexane
Concen: 1.207 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.030 min
Lab File: VN084091.D
Acq: 21 Sep 2024 05:23

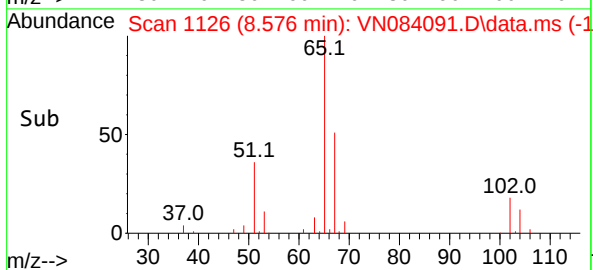
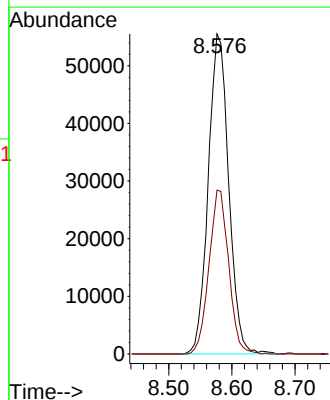
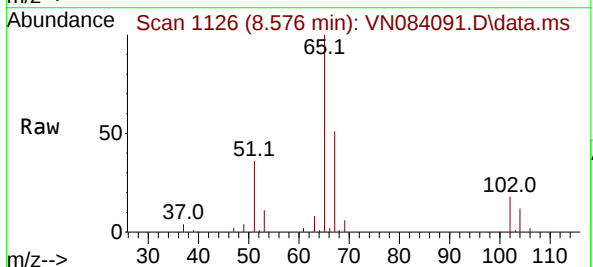
Instrument :
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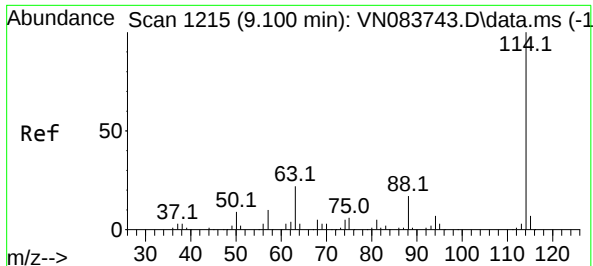
Tgt Ion: 56 Resp: 4110
Ion Ratio Lower Upper
56 100
69 151.4 26.9 40.3#
84 125.4 69.2 103.8#



#33
1,2-Dichloroethane-d4
Concen: 52.970 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084091.D
Acq: 21 Sep 2024 05:23 am

Tgt Ion: 65 Resp: 124761
Ion Ratio Lower Upper
65 100
67 49.2 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN084091.D

Acq: 21 Sep 2024 05:23

Instrument :

MSVOA_N

ClientSampleId :

RB24085

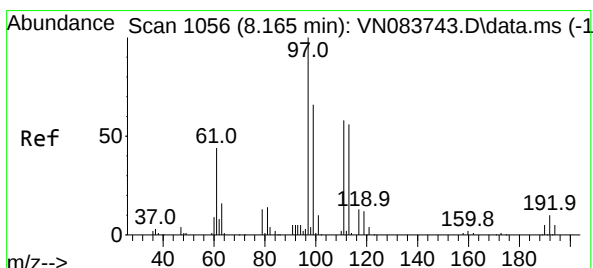
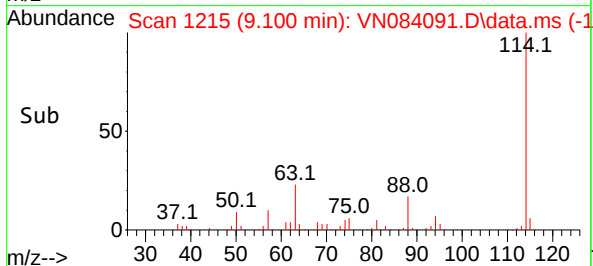
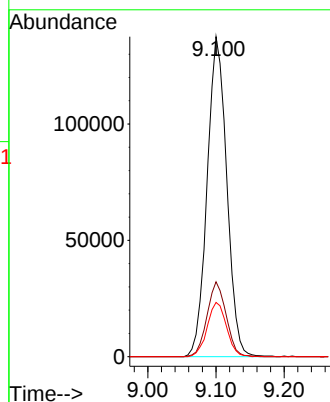
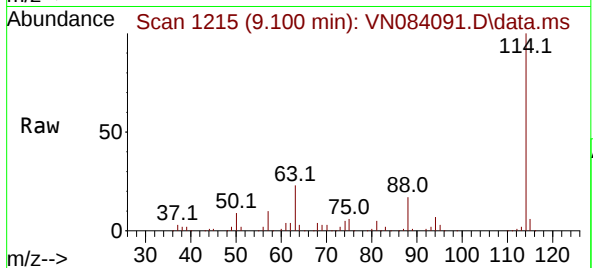
Tgt Ion:114 Resp: 275515

Ion Ratio Lower Upper

114 100

63 23.4 0.0 43.4

88 17.0 0.0 32.6



#35

Dibromofluoromethane

Concen: 49.328 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN084091.D

Acq: 21 Sep 2024 05:23 am

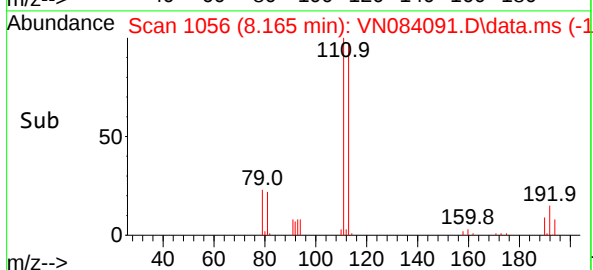
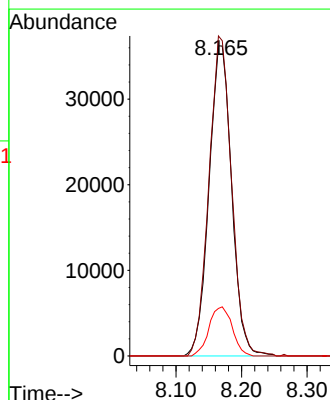
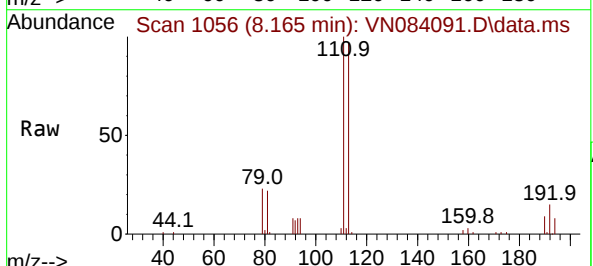
Tgt Ion:113 Resp: 87006

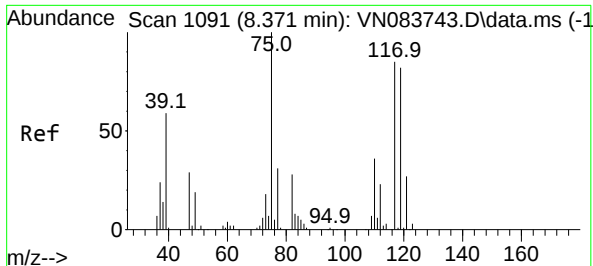
Ion Ratio Lower Upper

113 100

111 102.7 82.6 124.0

192 16.2 14.3 21.5





#36

1,1-Dichloropropene

Concen: 5.606 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN084091.D

Acq: 21 Sep 2024 05:23

Instrument :

MSVOA_N

ClientSampleId :

RB24085

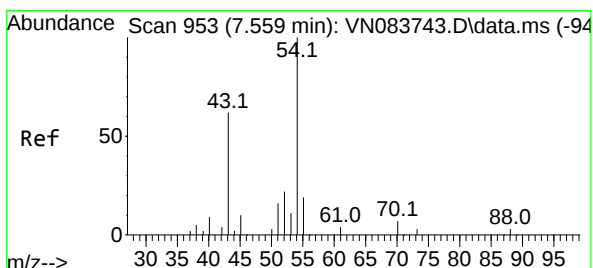
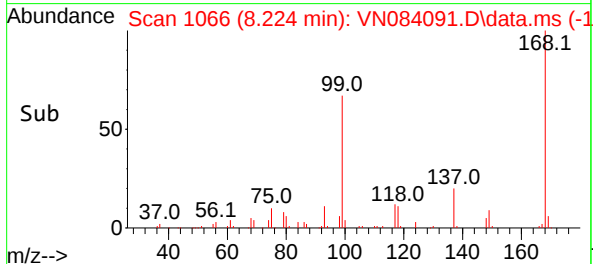
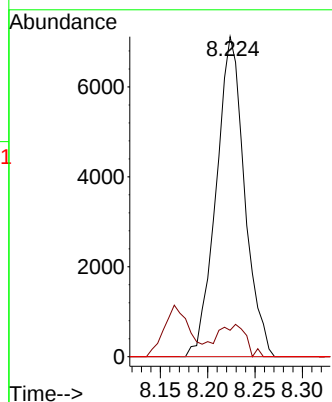
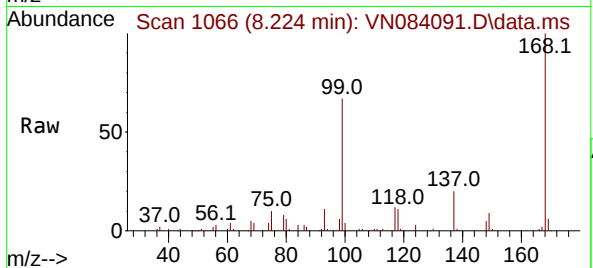
Tgt Ion: 75 Resp: 14883

Ion Ratio Lower Upper

75 100

110 10.5 16.7 50.1#

77 0.0 25.2 37.8#



#37

Ethyl Acetate

Concen: 0.303 ug/l

RT: 7.565 min Scan# 954

Delta R.T. 0.006 min

Lab File: VN084091.D

Acq: 21 Sep 2024 05:23 am

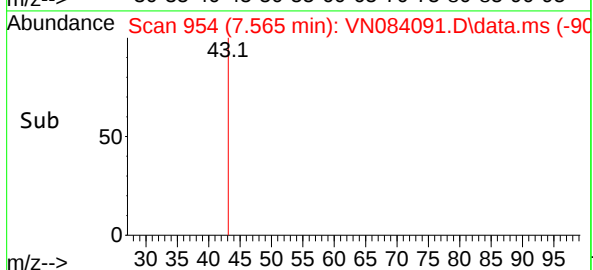
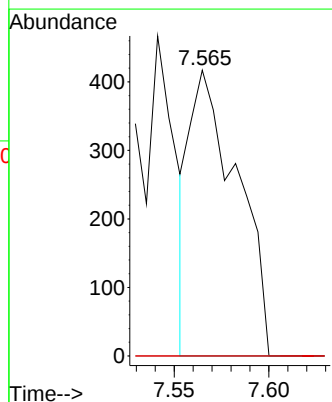
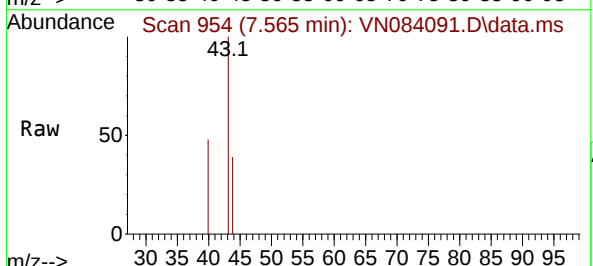
Tgt Ion: 43 Resp: 730

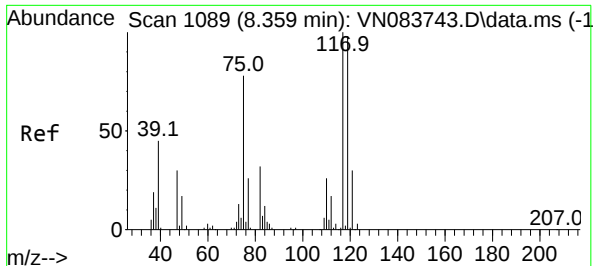
Ion Ratio Lower Upper

43 100

61 0.0 11.1 16.7#

70 0.0 8.8 13.2#

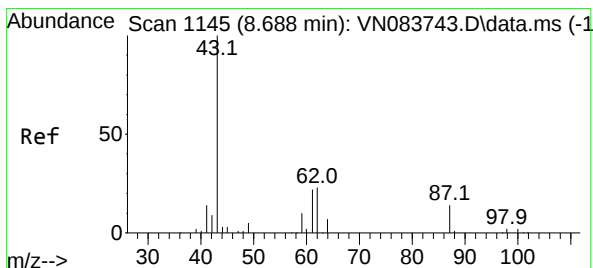
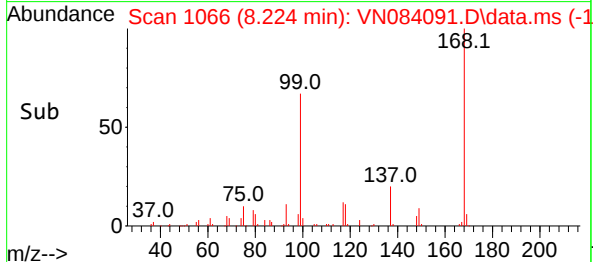
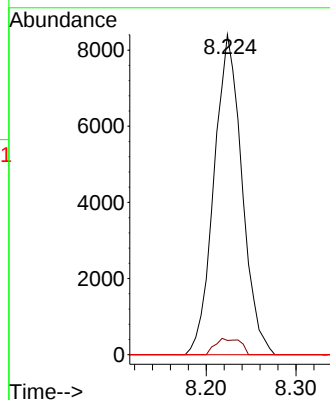
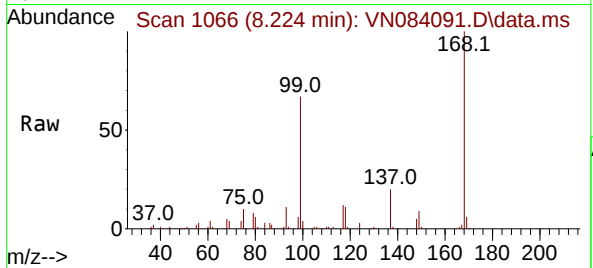




#38
Carbon Tetrachloride
Concen: 6.045 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN084091.D
Acq: 21 Sep 2024 05:23

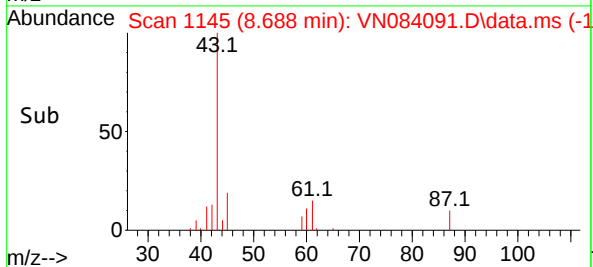
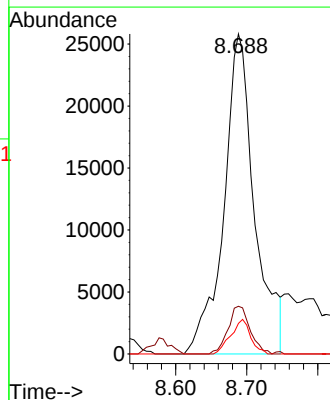
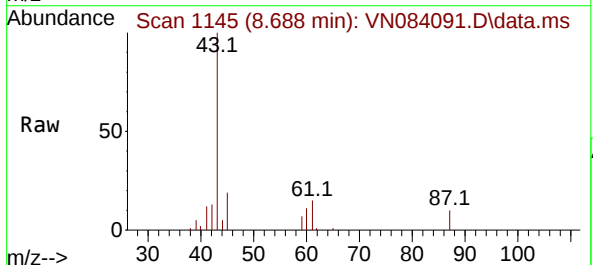
Instrument :
MSVOA_N
ClientSampleId :
RB24085

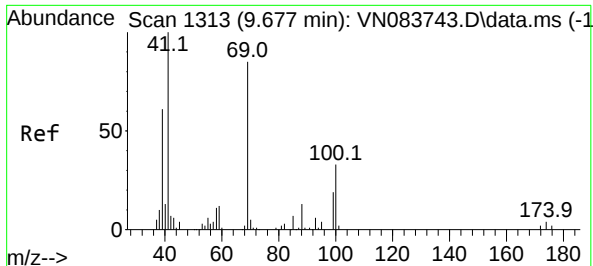
Tgt Ion:117 Resp: 18207
Ion Ratio Lower Upper
117 100
119 4.5 76.1 114.1#
121 0.0 24.1 36.1#



#43
Isopropyl Acetate
Concen: 17.742 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN084091.D
Acq: 21 Sep 2024 05:23 am

Tgt Ion: 43 Resp: 77478
Ion Ratio Lower Upper
43 100
61 10.7 19.4 29.0#
87 7.0 9.8 14.6#





#48

Methyl methacrylate

Concen: 1.172 ug/l

RT: 9.676 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN084091.D

Acq: 21 Sep 2024 05:23

Instrument :

MSVOA_N

ClientSampleId :

RB24085

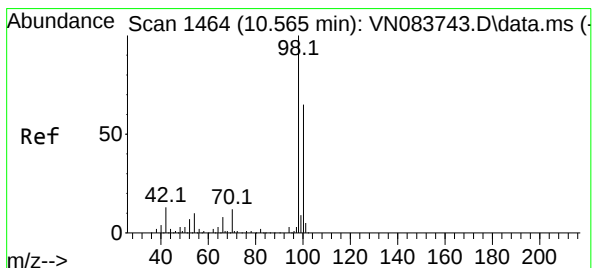
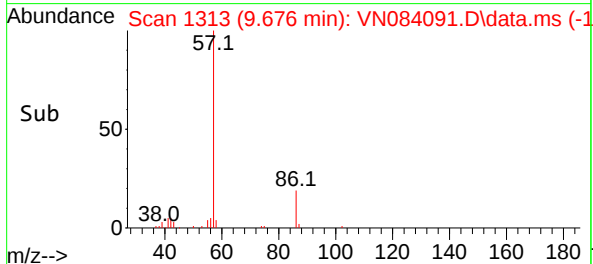
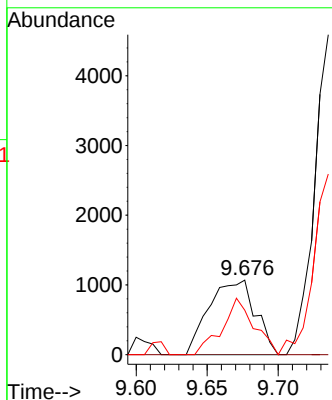
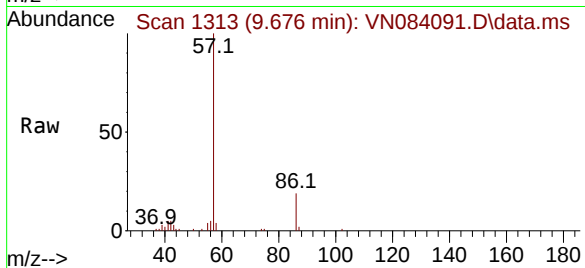
Tgt Ion: 41 Resp: 2429

Ion Ratio Lower Upper

41 100

69 0.0 64.3 96.5#

39 52.2 48.9 73.3



#50

Toluene-d8

Concen: 55.020 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084091.D

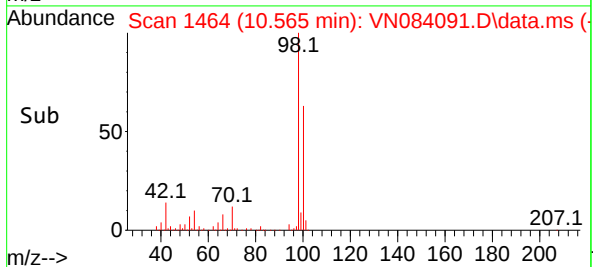
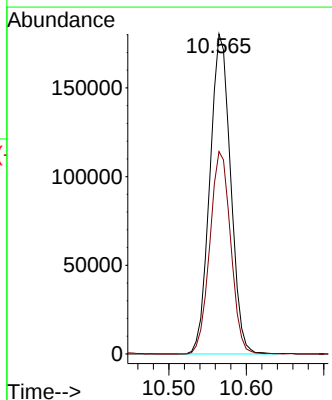
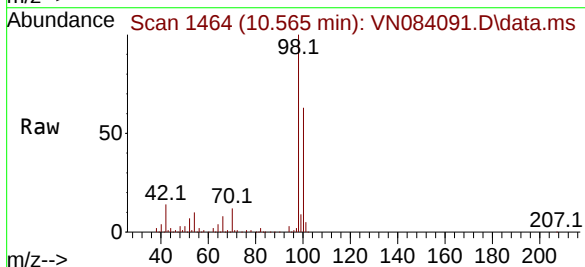
Acq: 21 Sep 2024 05:23 am

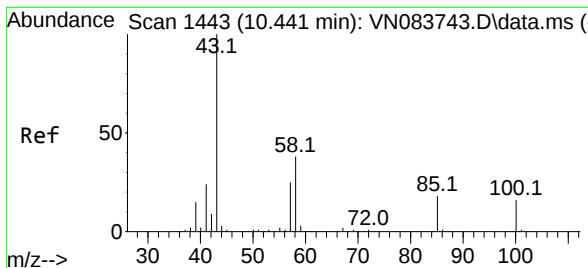
Tgt Ion: 98 Resp: 335488

Ion Ratio Lower Upper

98 100

100 63.6 52.0 78.0

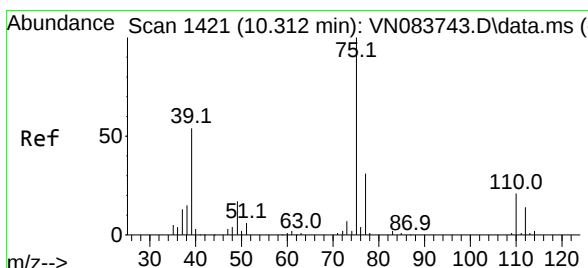
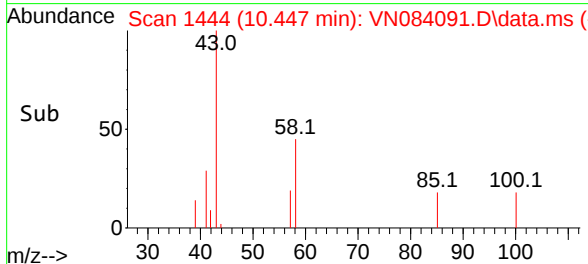
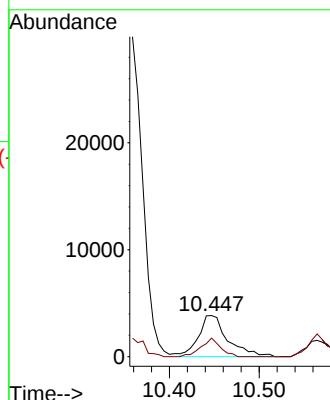
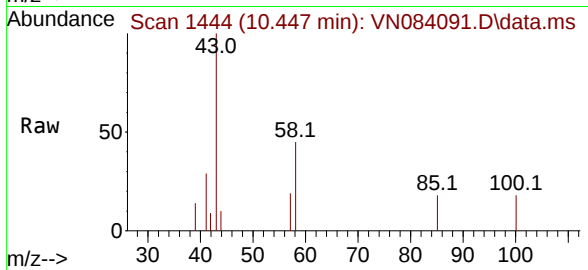




#51
4-Methyl-2-Pentanone
Concen: 3.634 ug/l
RT: 10.447 min Scan# 1443
Delta R.T. 0.006 min
Lab File: VN084091.D
Acq: 21 Sep 2024 05:23

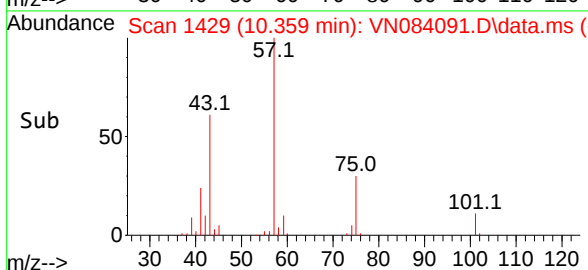
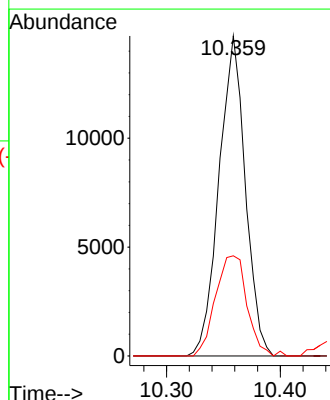
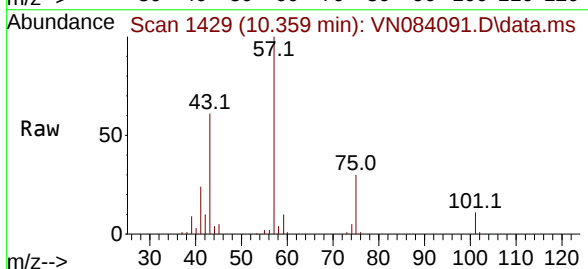
Instrument :
MSVOA_N
ClientSampleId :
RB24085

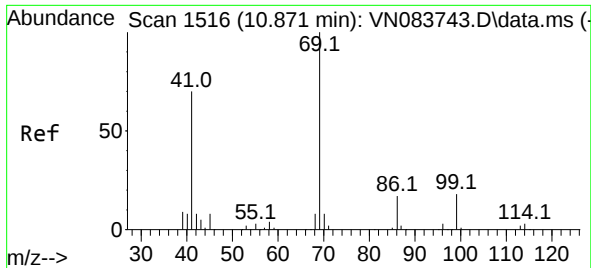
Tgt Ion: 43 Resp: 8638
Ion Ratio Lower Upper
43 100
58 30.0 31.6 47.4#



#54
cis-1,3-Dichloropropene
Concen: 7.582 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN084091.D
Acq: 21 Sep 2024 05:23 am

Tgt Ion: 75 Resp: 23633
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.6#
39 31.3 42.6 64.0#

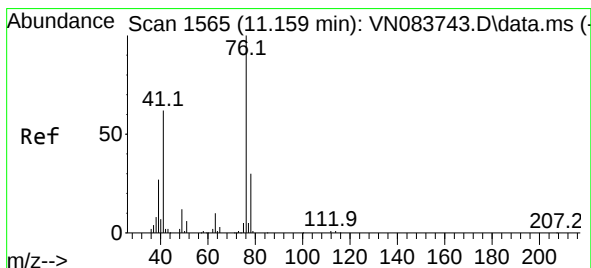
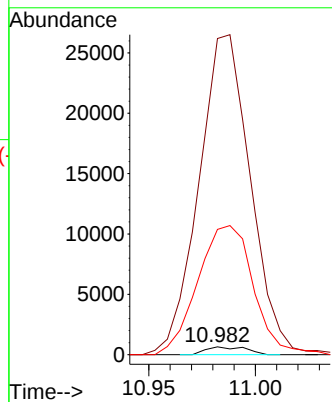
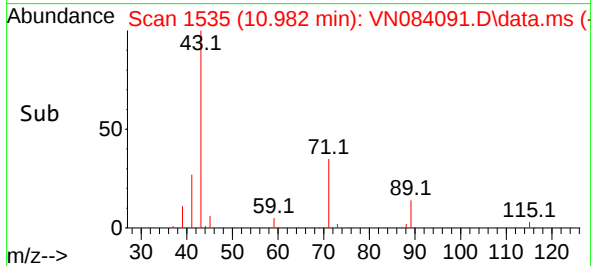
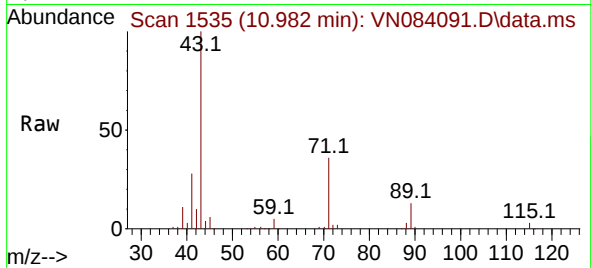




#56
Ethyl methacrylate
Concen: 0.303 ug/l
RT: 10.982 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN084091.D
Acq: 21 Sep 2024 05:23

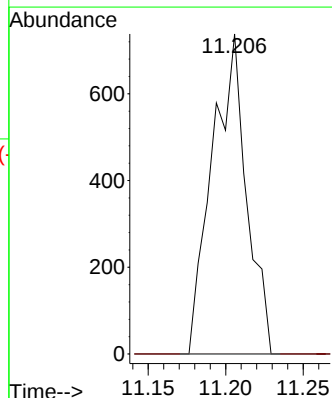
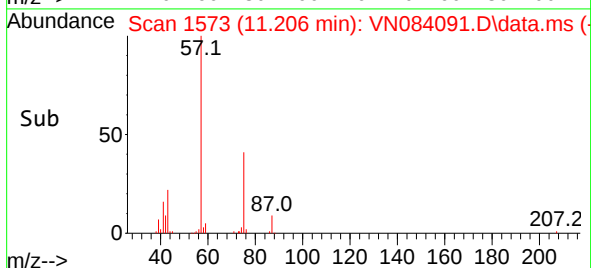
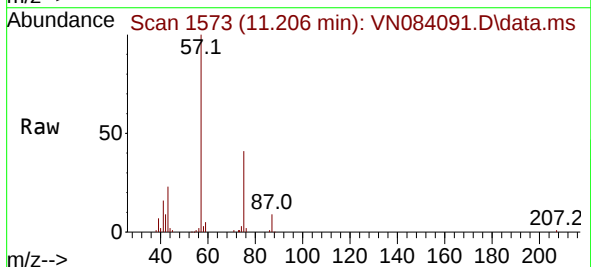
Instrument :
MSVOA_N
ClientSampleId :
RB24085

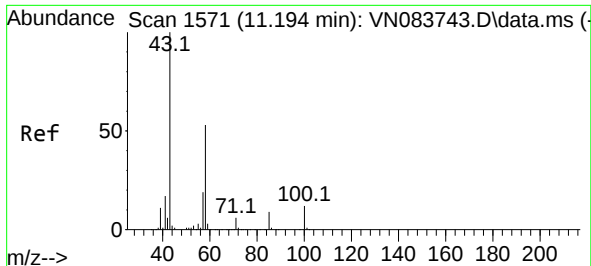
Tgt Ion: 69 Resp: 850
Ion Ratio Lower Upper
69 100
41 5289.1 53.9 80.9#
39 2289.4 32.6 48.8#



#57
1,3-Dichloropropane
Concen: 0.363 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.047 min
Lab File: VN084091.D
Acq: 21 Sep 2024 05:23 am

Tgt Ion: 76 Resp: 1137
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

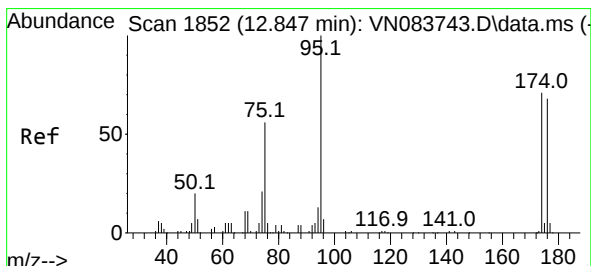
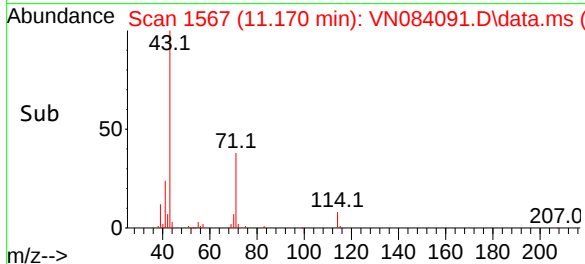
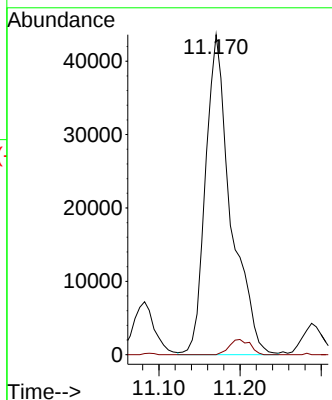
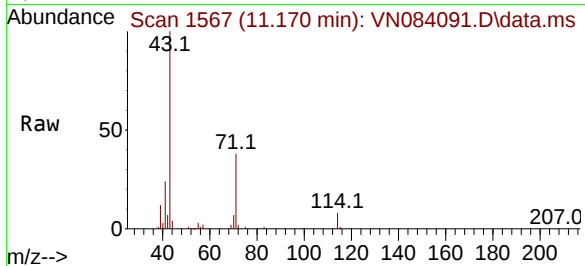




#59
2-Hexanone
Concen: 53.742 ug/l
RT: 11.170 min Scan# 1567
Delta R.T. -0.024 min
Lab File: VN084091.D
Acq: 21 Sep 2024 05:23

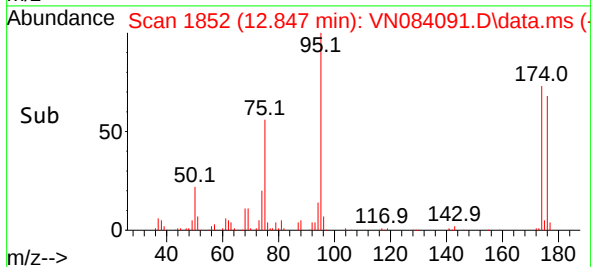
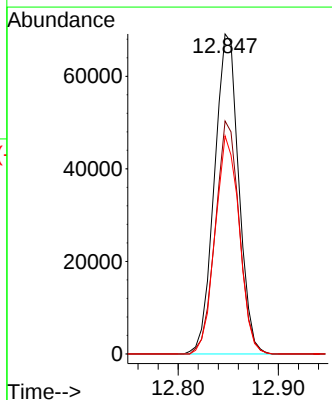
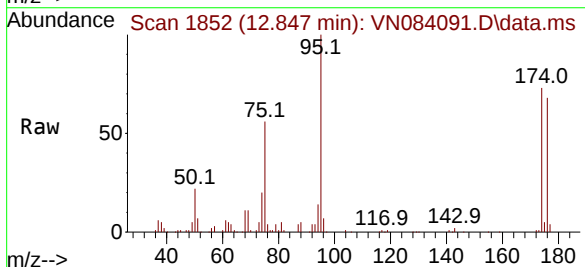
Instrument :
MSVOA_N
ClientSampleId :
RB24085

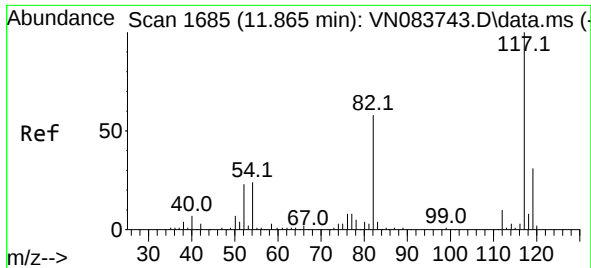
Tgt Ion: 43 Resp: 94499
Ion Ratio Lower Upper
43 100
58 0.0 27.2 81.5#



#62
4-Bromofluorobenzene
Concen: 46.220 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084091.D
Acq: 21 Sep 2024 05:23 am

Tgt Ion: 95 Resp: 116276
Ion Ratio Lower Upper
95 100
174 71.8 0.0 139.8
176 67.9 0.0 131.4

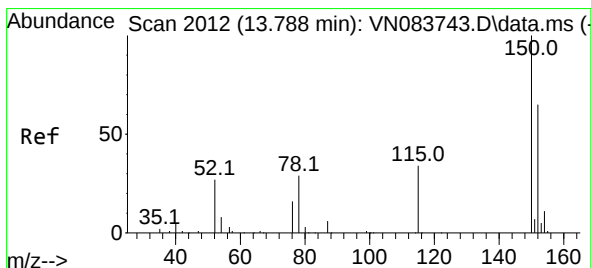
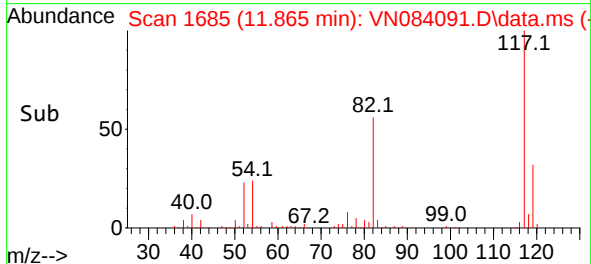
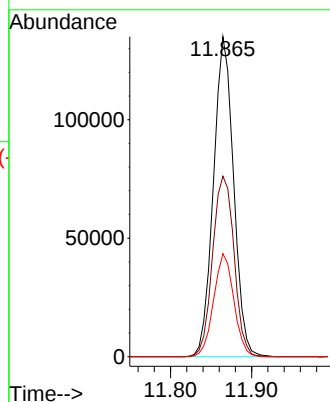
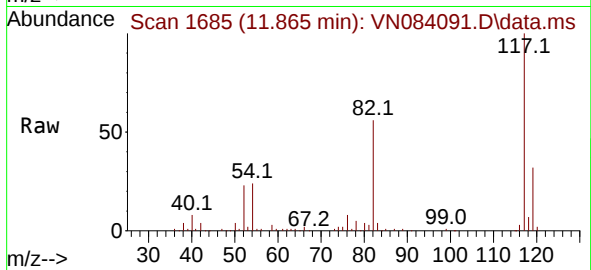




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084091.D
Acq: 21 Sep 2024 05:23

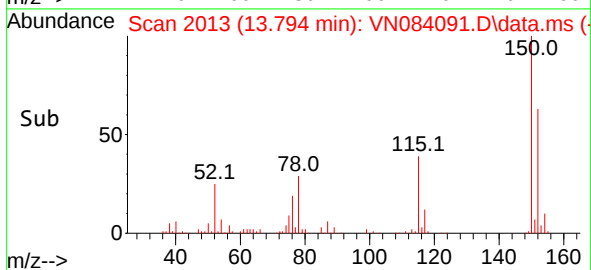
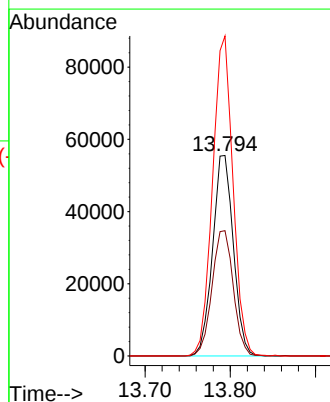
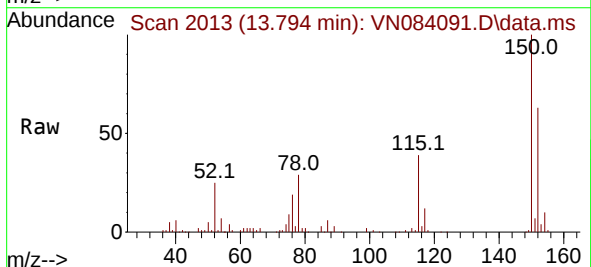
Instrument :
MSVOA_N
ClientSampleId :
RB24085

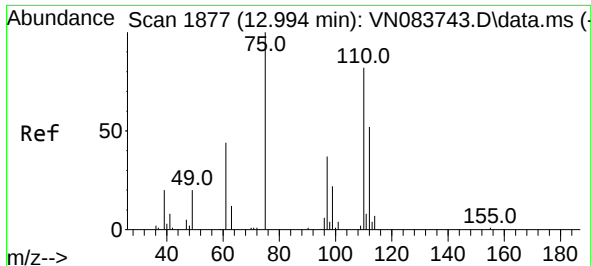
Tgt Ion:117 Resp: 233380
Ion Ratio Lower Upper
117 100
82 56.4 47.4 71.0
119 32.2 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN084091.D
Acq: 21 Sep 2024 05:23 am

Tgt Ion:152 Resp: 93944
Ion Ratio Lower Upper
152 100
115 64.0 32.2 96.6
150 156.5 0.0 348.6

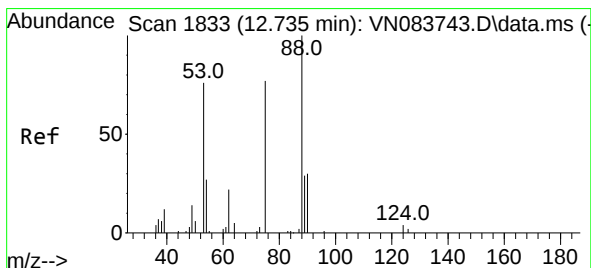
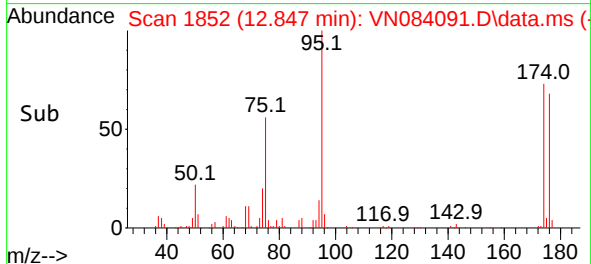
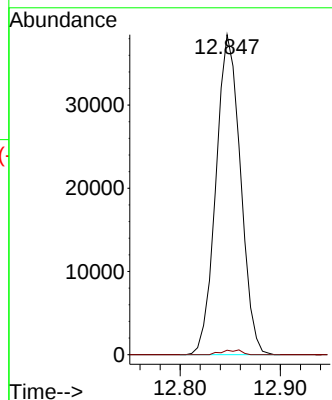
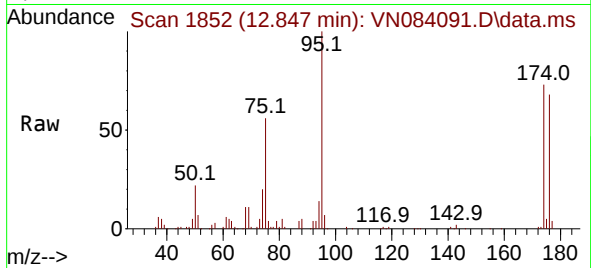




#76
1,2,3-Trichloropropane
Concen: 34.509 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN084091.D
Acq: 21 Sep 2024 05:23

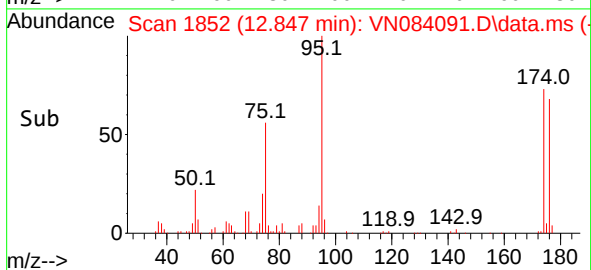
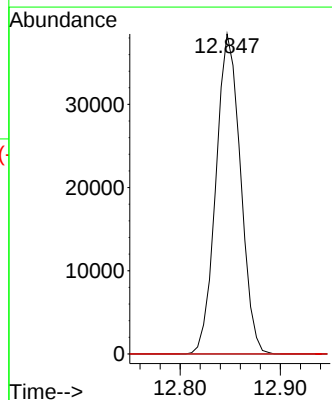
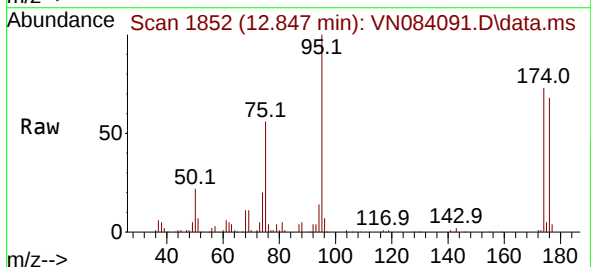
Instrument :
MSVOA_N
ClientSampleId :
RB24085

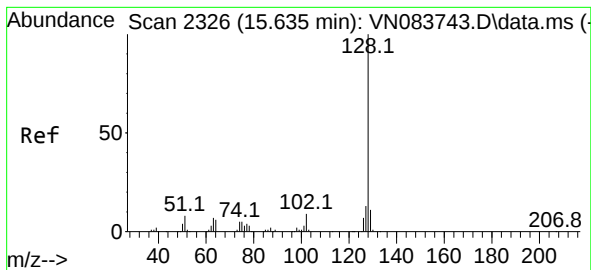
Tgt Ion: 75 Resp: 65415
Ion Ratio Lower Upper
75 100
77 1.2 95.2 285.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.381 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084091.D
Acq: 21 Sep 2024 05:23 am

Tgt Ion: 75 Resp: 65415
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#





#95

Naphthalene

Concen: 0.223 ug/l

RT: 15.641 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN084091.D

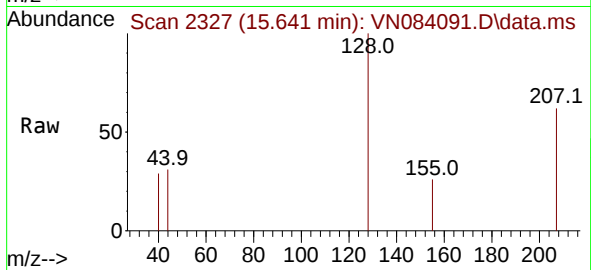
Acq: 21 Sep 2024 05:23

Instrument :

MSVOA_N

ClientSampleId :

RB24085



Tgt Ion:128 Resp: 1159

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

129 0.0 8.7 13.1#

