

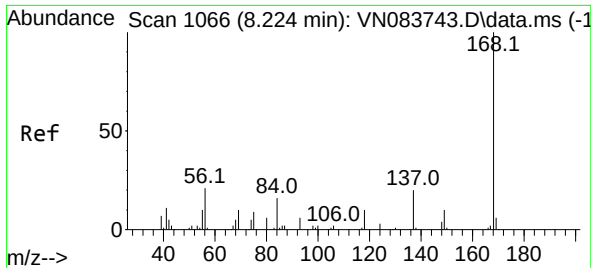
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091824\
 Data File : VN083994.D
 Acq On : 18 Sep 2024 19:51
 Operator : JC\MD
 Sample : PB163447ZHE#11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 19 01:40:36 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	162437	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	283326	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	245207	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	99793	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	126867	51.797	ug/l	0.00
Spiked Amount 50.000	Range 74	- 125	Recovery	=	103.600%	
35) Dibromofluoromethane	8.171	113	89912	49.571	ug/l	0.00
Spiked Amount 50.000	Range 75	- 124	Recovery	=	99.140%	
50) Toluene-d8	10.565	98	339607	54.160	ug/l	0.00
Spiked Amount 50.000	Range 86	- 113	Recovery	=	108.320%	
62) 4-Bromofluorobenzene	12.847	95	119255	46.097	ug/l	0.00
Spiked Amount 50.000	Range 77	- 121	Recovery	=	92.200%	
Target Compounds						Qvalue
3) Chloromethane	2.365	50	69	Below Cal	#	41
16) Acetone	4.430	43	42579	43.365	ug/l	99
18) Methyl Acetate	5.030	43	1127	Below Cal	#	63
20) Methylene Chloride	5.277	84	3703	1.843	ug/l	# 94
25) 2-Butanone	7.488	43	5953	4.613	ug/l	# 87
29) Tetrahydrofuran	7.835	42	337	0.442	ug/l	# 46
31) Cyclohexane	8.229	56	4484	1.267	ug/l	# 19
36) 1,1-Dichloropropene	8.224	75	15174	5.558	ug/l	# 50
37) Ethyl Acetate	7.559	43	2926	1.181	ug/l	# 77
38) Carbon Tetrachloride	8.218	117	19419	6.270	ug/l	# 16
42) 1,2-Dichloroethane	8.682	62	1002	0.326	ug/l	# 77
43) Isopropyl Acetate	8.688	43	329217	73.312	ug/l	# 72
45) 1,2-Dichloropropane	9.747	63	1416	0.713	ug/l	# 42
48) Methyl methacrylate	9.665	41	3202	1.503	ug/l	# 43
51) 4-Methyl-2-Pentanone	10.453	43	11076	4.531	ug/l	# 79
53) t-1,3-Dichloropropene	10.729	75	640	0.210	ug/l	# 42
54) cis-1,3-Dichloropropene	10.359	75	40859	12.747	ug/l	# 64
56) Ethyl methacrylate	10.988	69	1217	0.422	ug/l	# 1
57) 1,3-Dichloropropane	11.200	76	5660	1.755	ug/l	# 42
59) 2-Hexanone	11.200	43	68609	37.943	ug/l	# 53
68) m/p-Xylenes	12.070	106	755	0.210	ug/l	# 88
74) N-amyl acetate	12.488	43	1670	0.507	ug/l	# 43
76) 1,2,3-Trichloropropane	12.847	75	67386	33.465	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.847	75	67386	87.647	ug/l	# 9

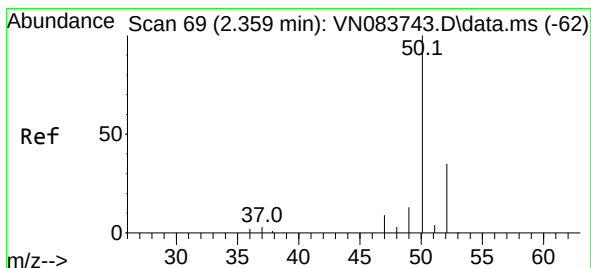
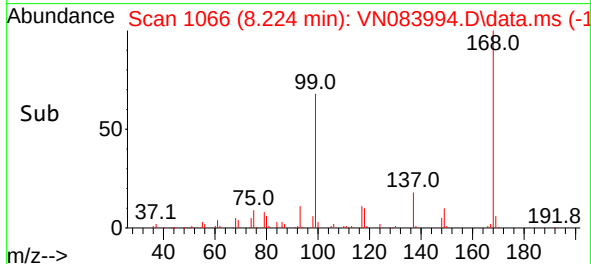
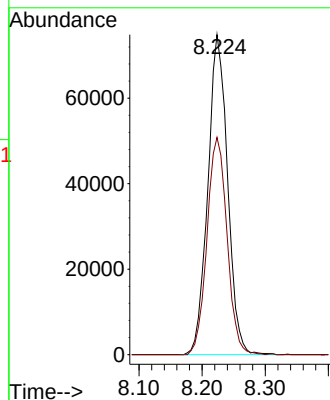
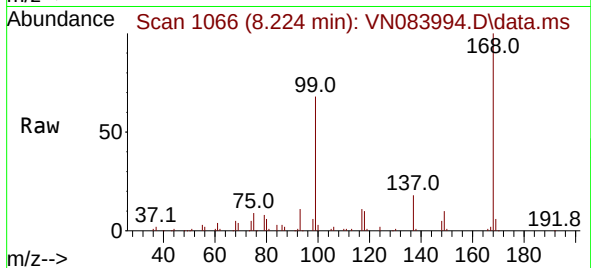
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083994.D
Acq: 18 Sep 2024 19:51

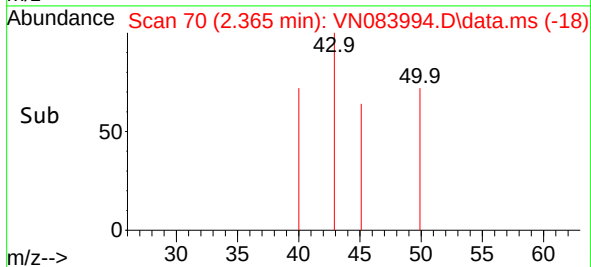
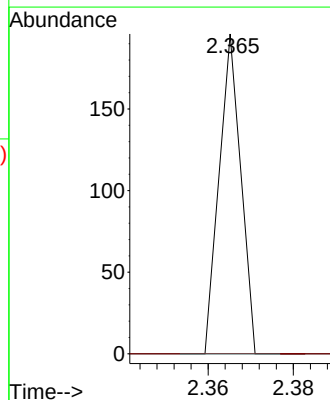
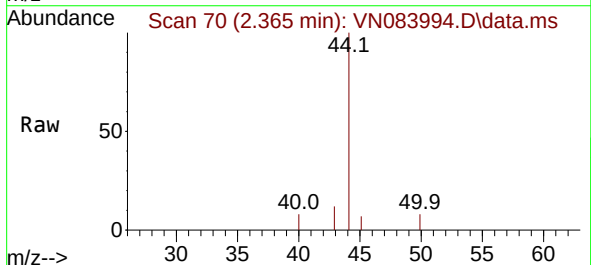
Instrument :
MSVOA_N
ClientSampleId :

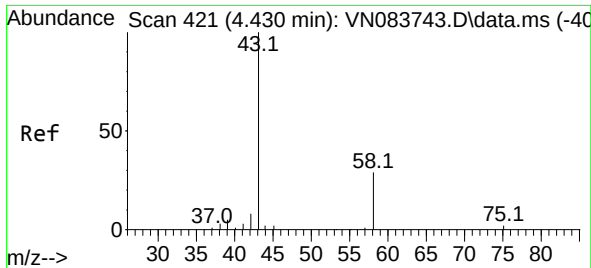
Tgt Ion:168 Resp: 162437
Ion Ratio Lower Upper
168 100
99 67.9 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN083994.D
Acq: 18 Sep 2024 19:51

Tgt Ion: 50 Resp: 69
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#

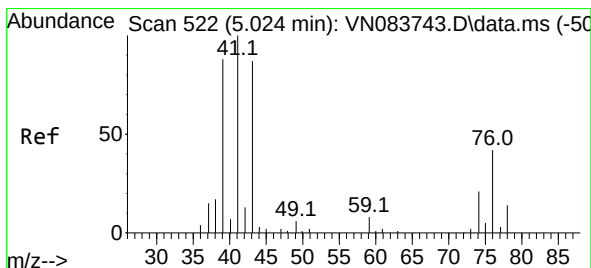
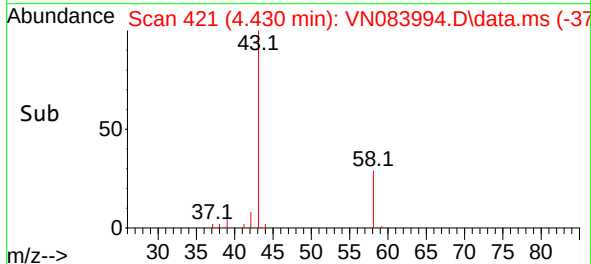
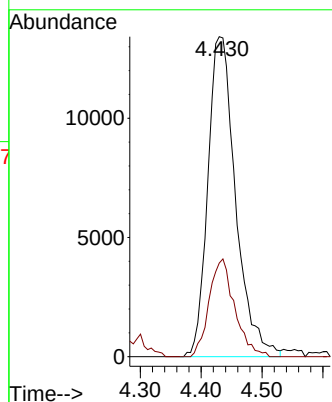
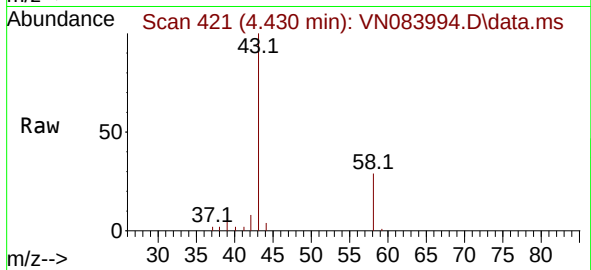




#16
Acetone
Concen: 43.365 ug/l
RT: 4.430 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN083994.D
Acq: 18 Sep 2024 19:51

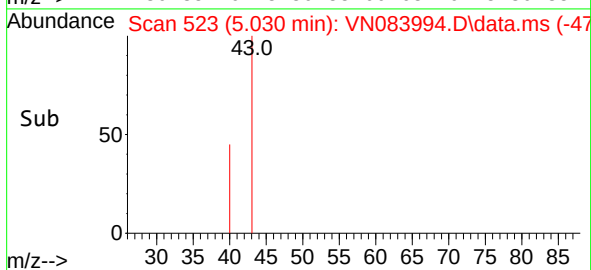
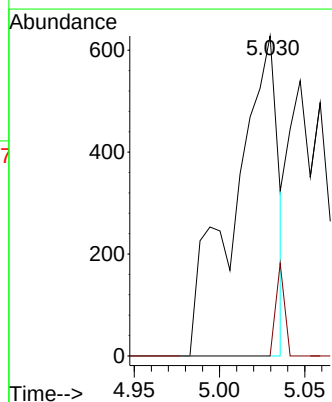
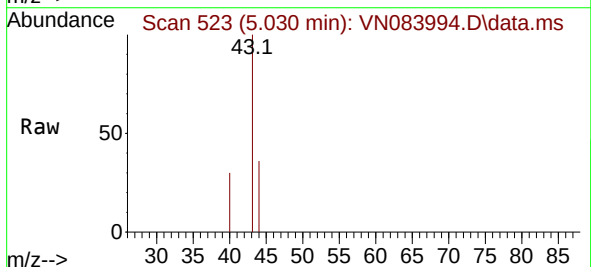
Instrument :
MSVOA_N
ClientSampleId :

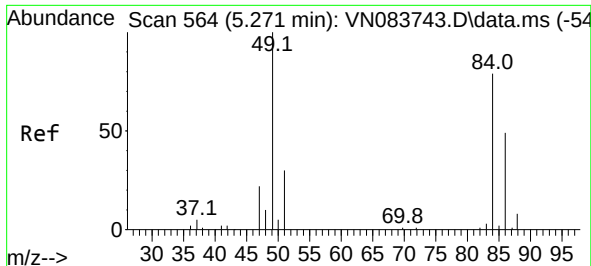
Tgt Ion: 43 Resp: 42579
Ion Ratio Lower Upper
43 100
58 29.2 23.7 35.5



#18
Methyl Acetate
Concen: Below Cal
RT: 5.030 min Scan# 523
Delta R.T. 0.006 min
Lab File: VN083994.D
Acq: 18 Sep 2024 19:51

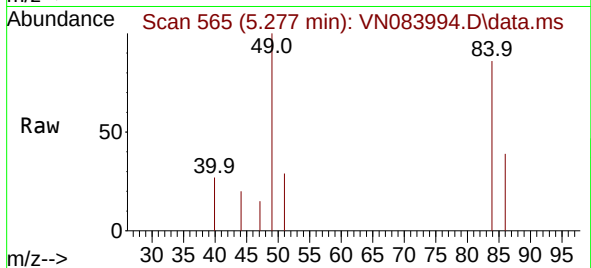
Tgt Ion: 43 Resp: 1127
Ion Ratio Lower Upper
43 100
74 5.7 19.0 28.4#



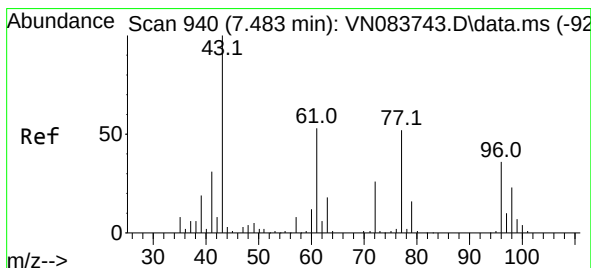
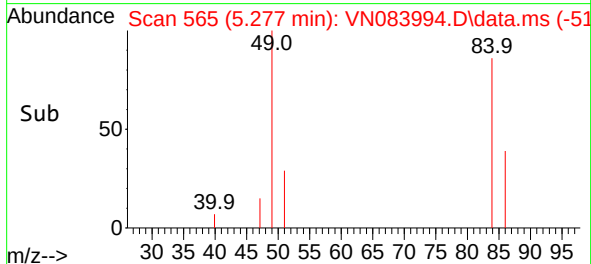
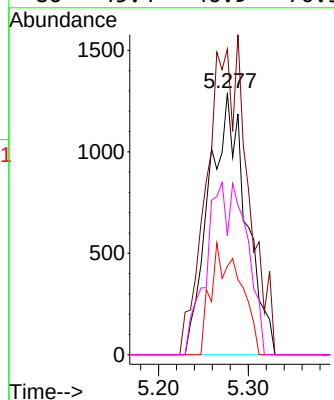


#20
Methylene Chloride
Concen: 1.843 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN083994.D
Acq: 18 Sep 2024 19:51

Instrument :
MSVOA_N
ClientSampleId :

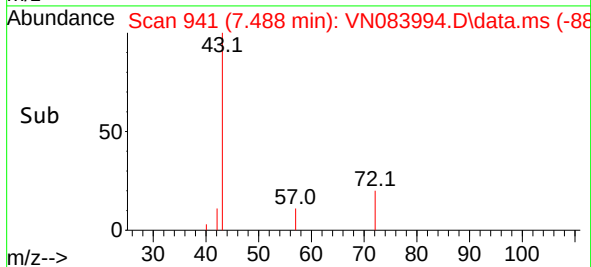
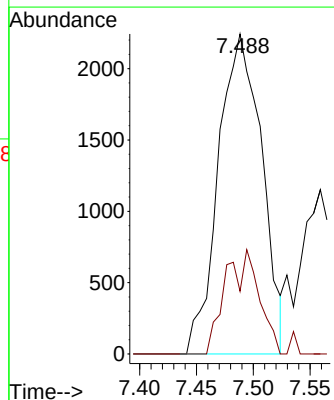
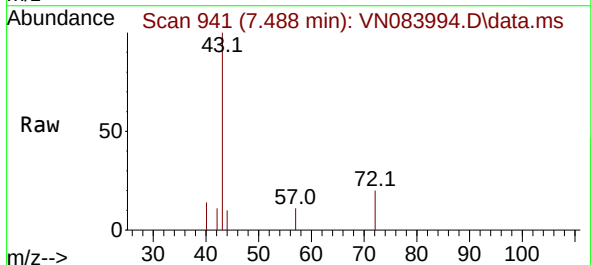


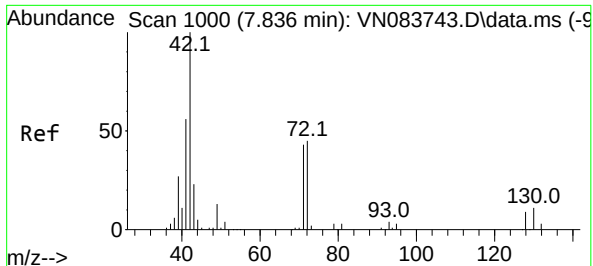
Tgt Ion: 84	Resp: 3703
Ion Ratio	Lower Upper
84 100	
49 116.7	93.4 140.0
51 33.8	29.2 43.8
86 45.4	46.9 70.3#



#25
2-Butanone
Concen: 4.613 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN083994.D
Acq: 18 Sep 2024 19:51

Tgt Ion: 43	Resp: 5953		
Ion Ratio	Lower	Upper	
43 100			
72 19.6	20.8	31.2#	





#29

Tetrahydrofuran

Concen: 0.442 ug/l

RT: 7.835 min Scan# 10

Delta R.T. -0.000 min

Lab File: VN083994.D

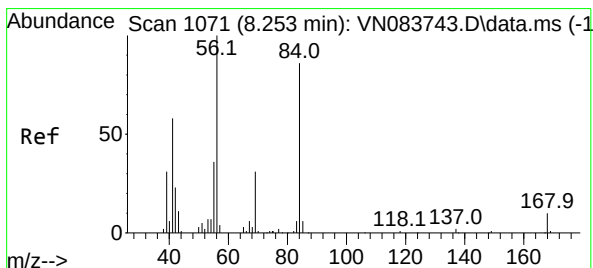
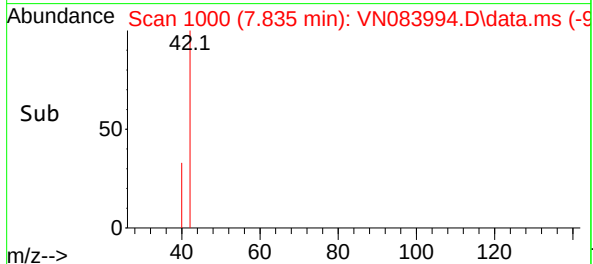
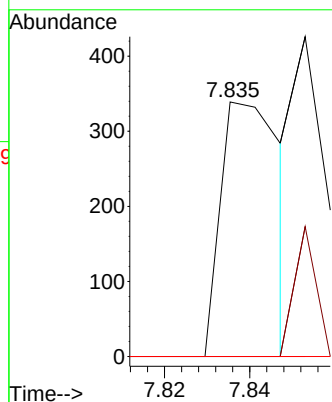
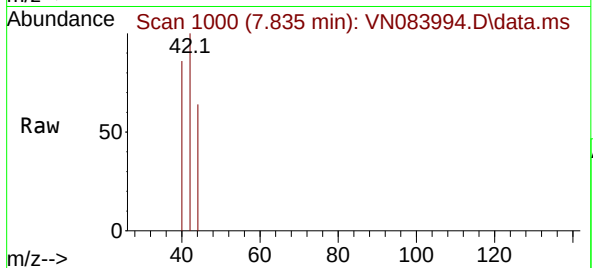
Acq: 18 Sep 2024 19:51

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	42	Resp:	337
Ion	Ratio	Lower	Upper
42	100		
72	18.1	35.9	53.9#
71	0.0	33.9	50.9#



#31

Cyclohexane

Concen: 1.267 ug/l

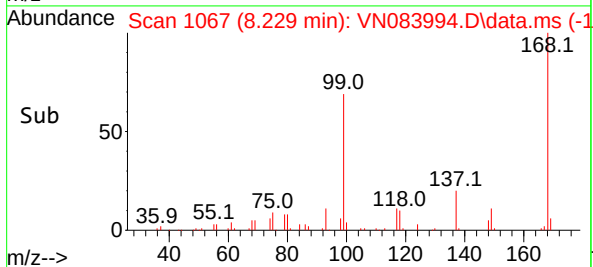
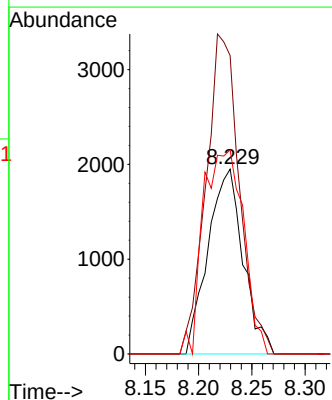
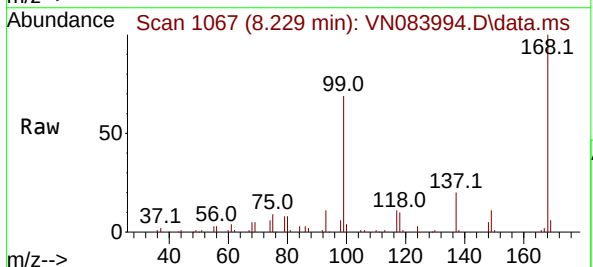
RT: 8.229 min Scan# 1067

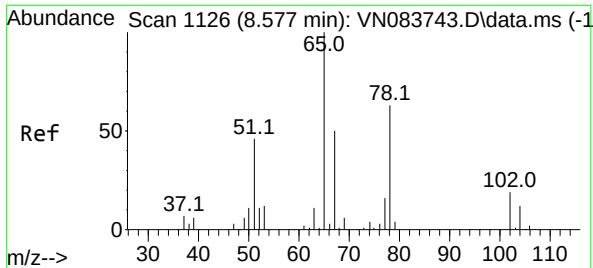
Delta R.T. -0.024 min

Lab File: VN083994.D

Acq: 18 Sep 2024 19:51

Tgt Ion:	56	Resp:	4484
Ion	Ratio	Lower	Upper
56	100		
69	161.4	26.9	40.3#
84	110.4	69.2	103.8#





#33

1,2-Dichloroethane-d4

Concen: 51.797 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN083994.D

Acq: 18 Sep 2024 19:51

Instrument :

MSVOA_N

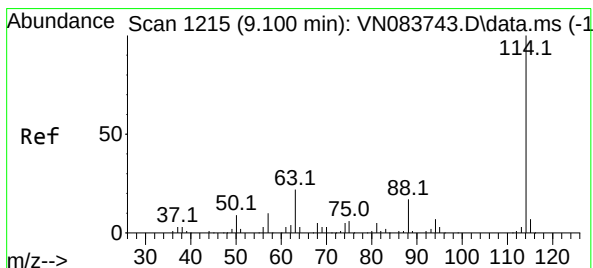
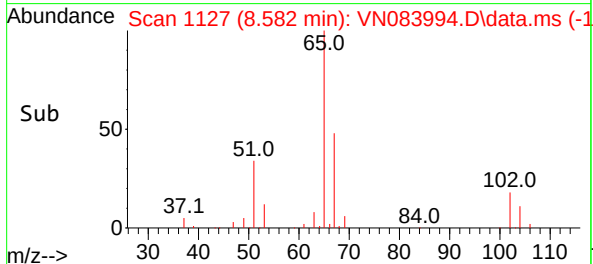
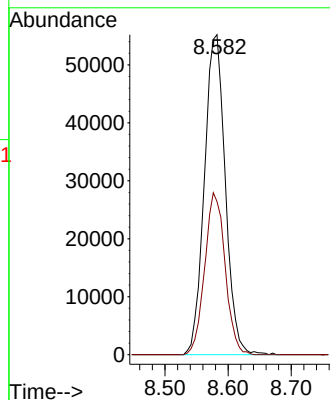
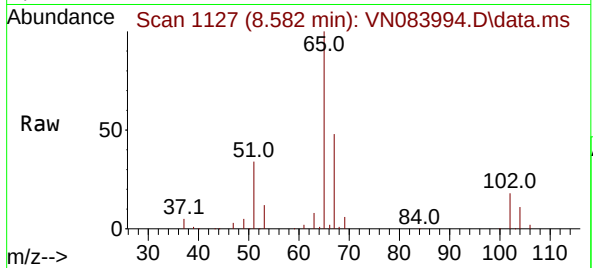
ClientSampleId :

Tgt Ion: 65 Resp: 126867

Ion Ratio Lower Upper

65 100

67 49.3 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN083994.D

Acq: 18 Sep 2024 19:51

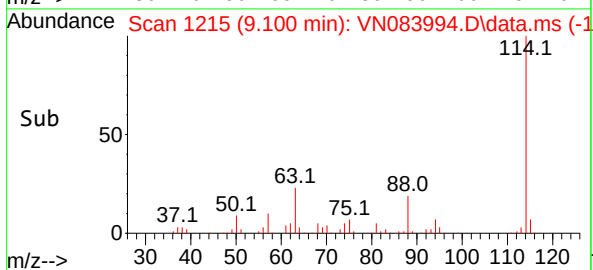
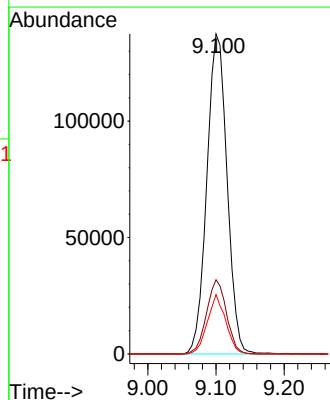
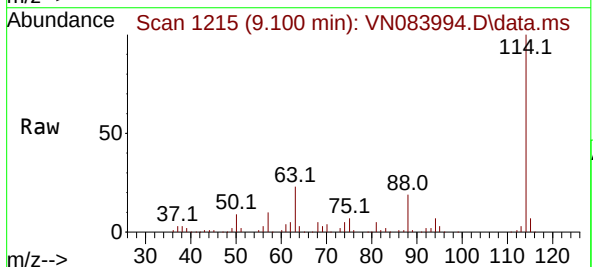
Tgt Ion: 114 Resp: 283326

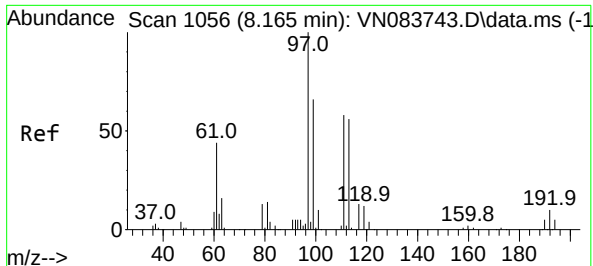
Ion Ratio Lower Upper

114 100

63 23.2 0.0 43.4

88 18.6 0.0 32.6

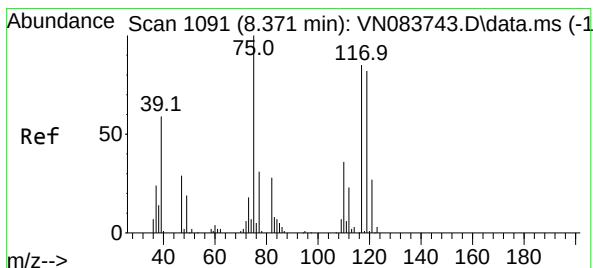
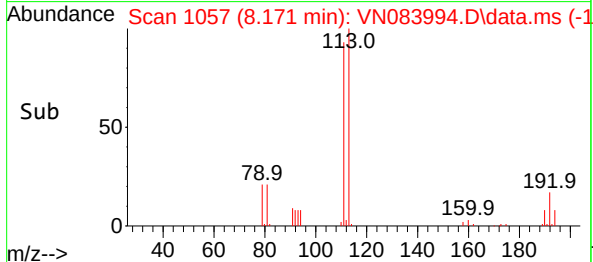
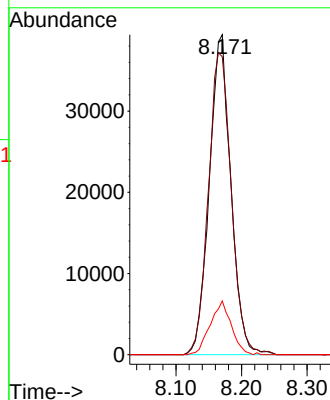
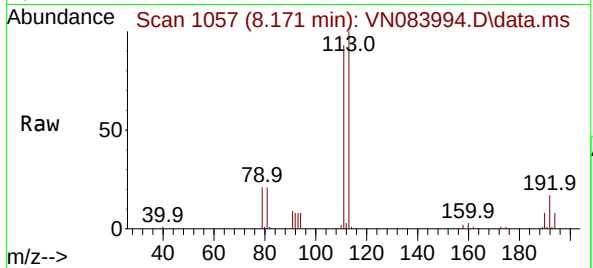




#35
Dibromofluoromethane
Concen: 49.571 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN083994.D
Acq: 18 Sep 2024 19:51

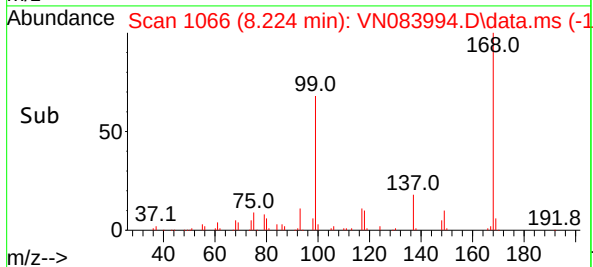
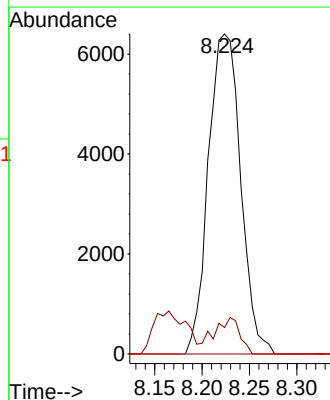
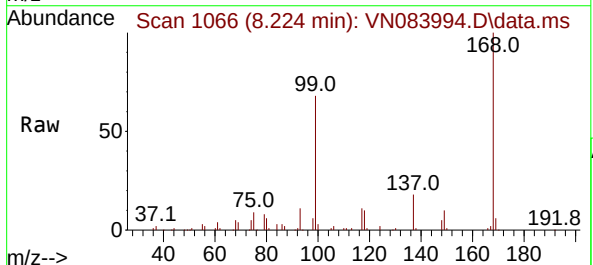
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MSVOA_N
ClientSampleId :

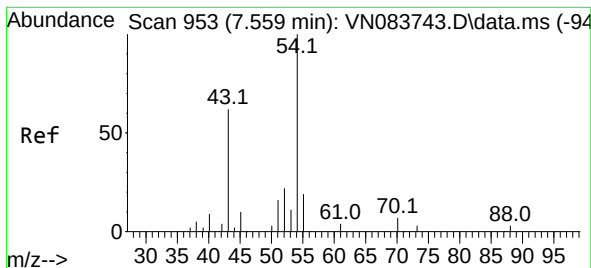
Tgt Ion:113 Resp: 89912
Ion Ratio Lower Upper
113 100
111 100.3 82.6 124.0
192 16.5 14.3 21.5



#36
1,1-Dichloropropene
Concen: 5.558 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN083994.D
Acq: 18 Sep 2024 19:51

Tgt Ion: 75 Resp: 15174
Ion Ratio Lower Upper
75 100
110 8.8 16.7 50.1#
77 0.0 25.2 37.8#





#37

Ethyl Acetate

Concen: 1.181 ug/l

RT: 7.559 min Scan# 91

Delta R.T. -0.000 min

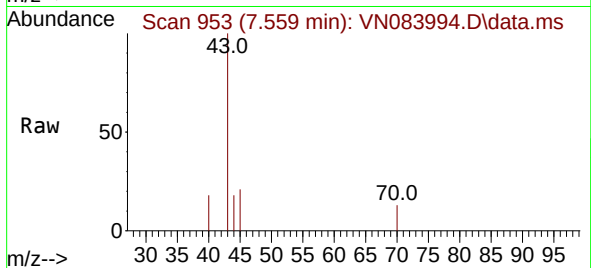
Lab File: VN083994.D

Acq: 18 Sep 2024 19:51

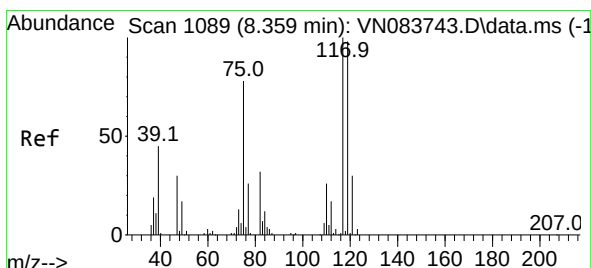
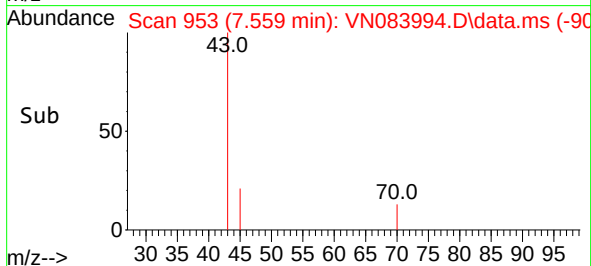
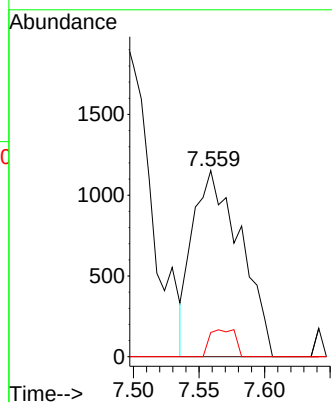
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	2926
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.1	16.7#
70	7.7	8.8	13.2#



#38

Carbon Tetrachloride

Concen: 6.270 ug/l

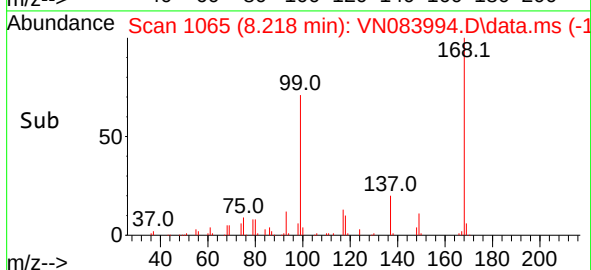
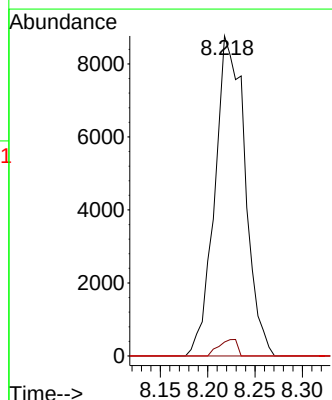
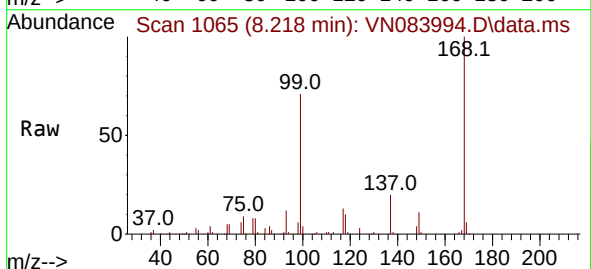
RT: 8.218 min Scan# 1065

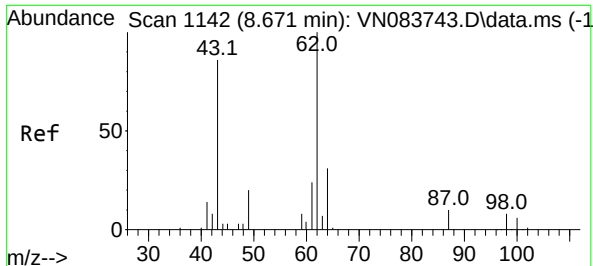
Delta R.T. -0.141 min

Lab File: VN083994.D

Acq: 18 Sep 2024 19:51

Tgt Ion:	117	Resp:	19419
Ion	Ratio	Lower	Upper
117	100		
119	4.3	76.1	114.1#
121	0.0	24.1	36.1#





#42

1,2-Dichloroethane

Concen: 0.326 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. 0.012 min

Lab File: VN083994.D

Acq: 18 Sep 2024 19:51

Instrument :

MSVOA_N

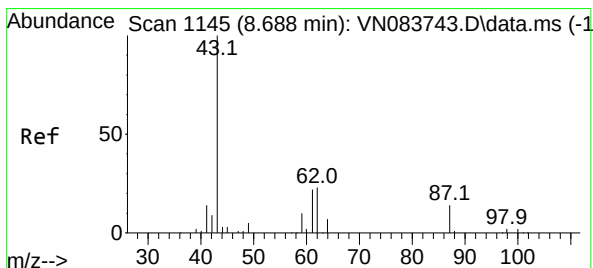
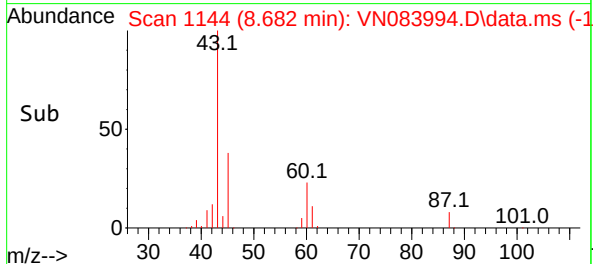
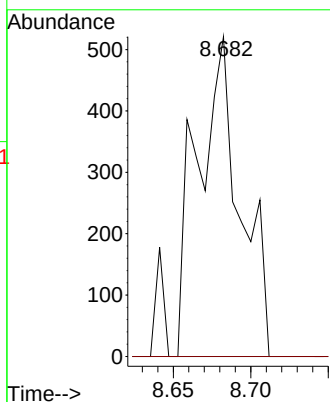
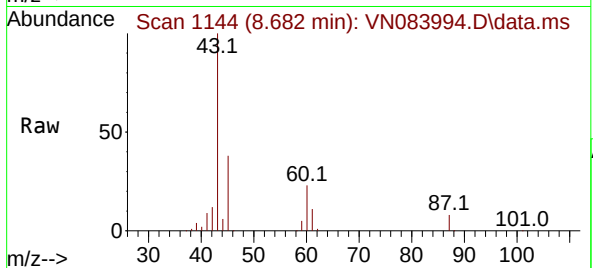
ClientSampleId :

Tgt Ion: 62 Resp: 1002

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.6



#43

Isopropyl Acetate

Concen: 73.312 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN083994.D

Acq: 18 Sep 2024 19:51

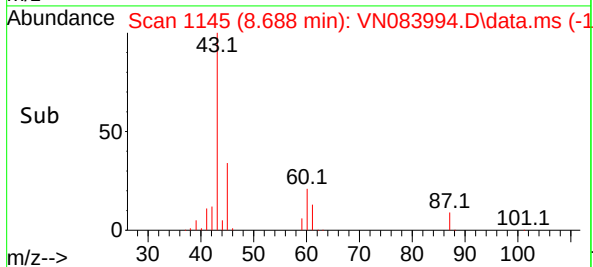
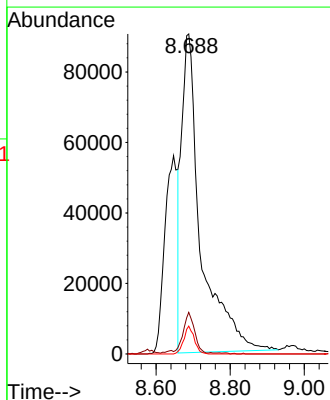
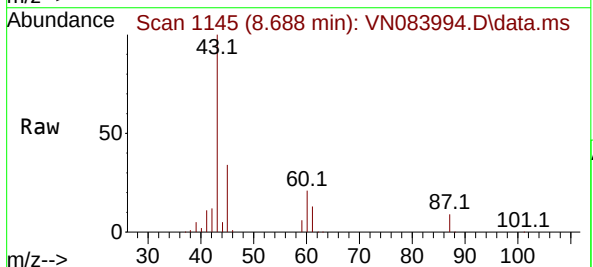
Tgt Ion: 43 Resp: 329217

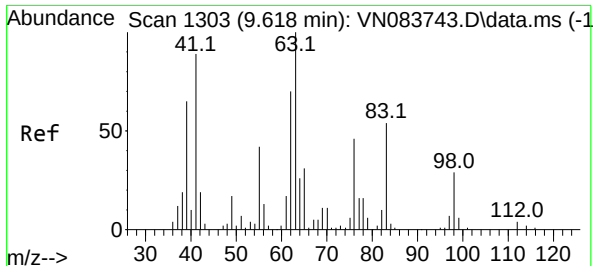
Ion Ratio Lower Upper

43 100

61 7.8 19.4 29.0#

87 4.7 9.8 14.6#





#45

1,2-Dichloropropane

Concen: 0.713 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.129 min

Lab File: VN083994.D

Acq: 18 Sep 2024 19:51

Instrument :

MSVOA_N

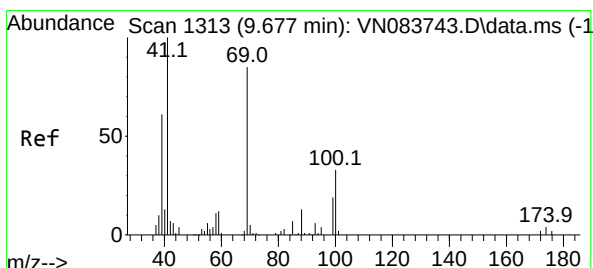
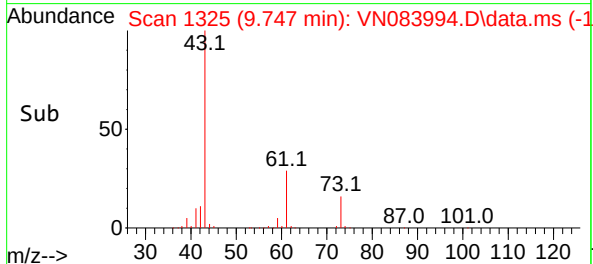
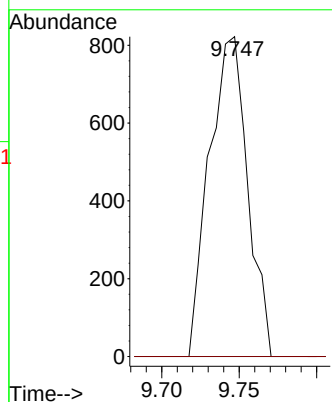
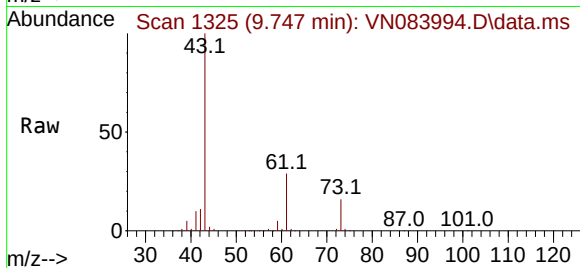
ClientSampleId :

Tgt Ion: 63 Resp: 1416

Ion Ratio Lower Upper

63 100

65 0.0 25.9 38.9#



#48

Methyl methacrylate

Concen: 1.503 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.012 min

Lab File: VN083994.D

Acq: 18 Sep 2024 19:51

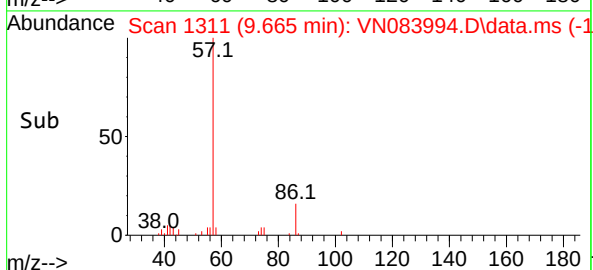
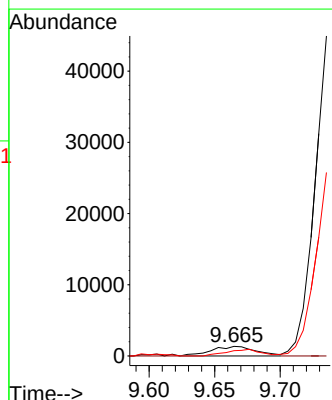
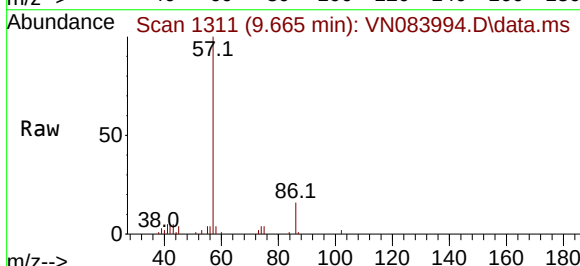
Tgt Ion: 41 Resp: 3202

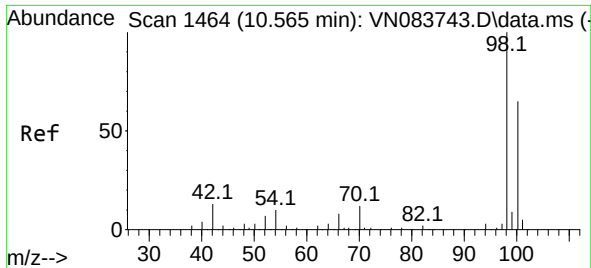
Ion Ratio Lower Upper

41 100

69 0.0 64.3 96.5#

39 51.5 48.9 73.3

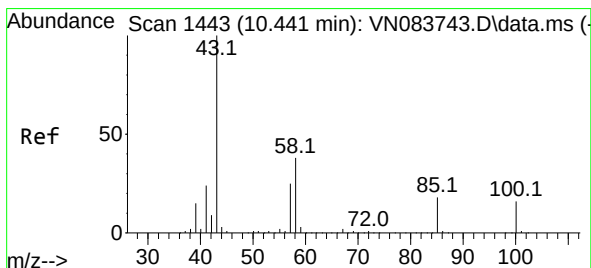
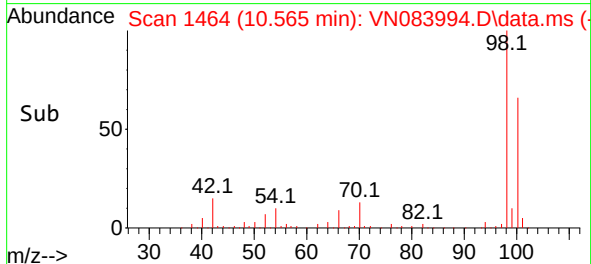
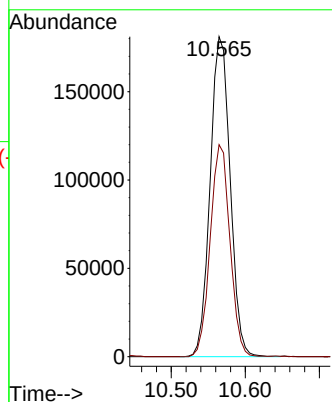
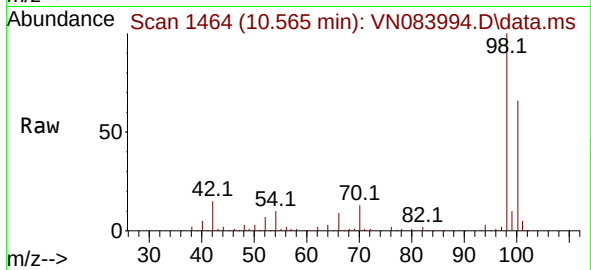




#50
Toluene-d8
Concen: 54.160 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083994.D
Acq: 18 Sep 2024 19:51

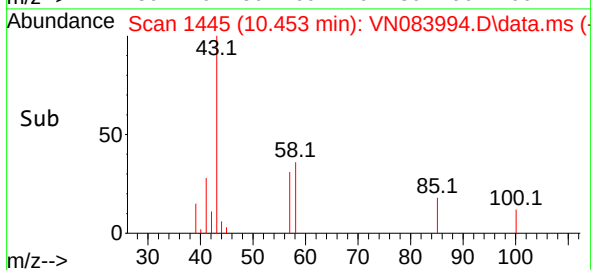
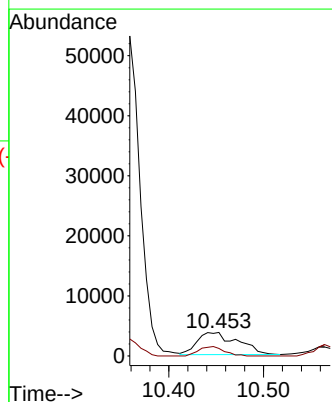
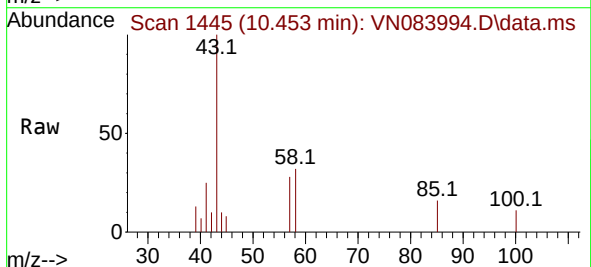
Instrument :
MSVOA_N
ClientSampleId :

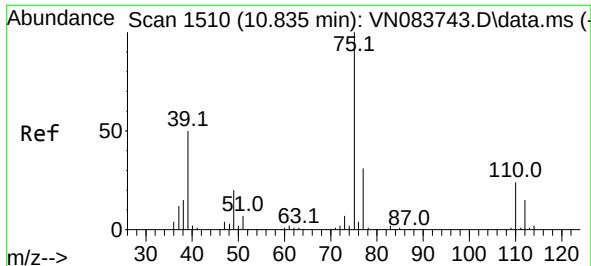
Tgt Ion: 98 Resp: 339607
Ion Ratio Lower Upper
98 100
100 65.2 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 4.531 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.012 min
Lab File: VN083994.D
Acq: 18 Sep 2024 19:51

Tgt Ion: 43 Resp: 11076
Ion Ratio Lower Upper
43 100
58 26.3 31.6 47.4#

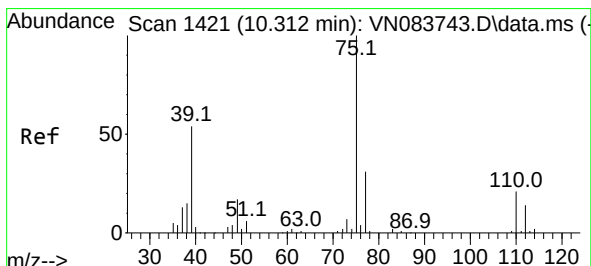
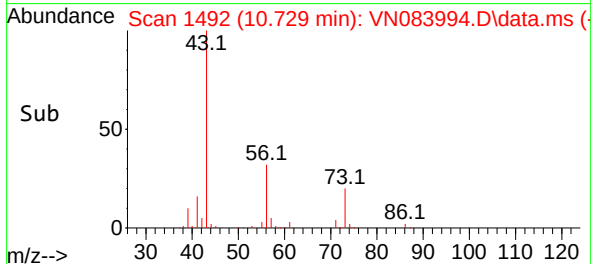
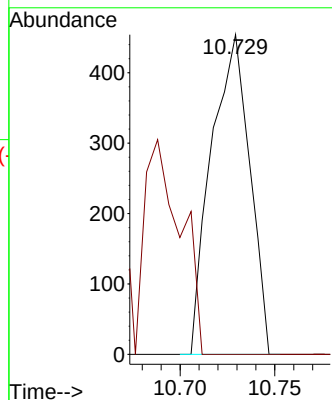
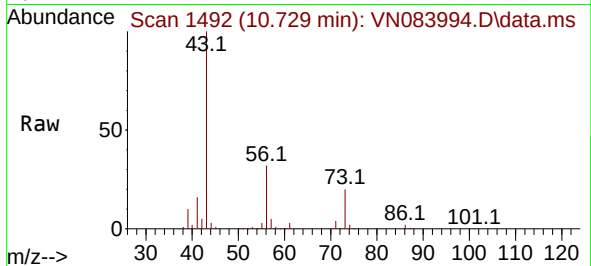




#53
 t-1,3-Dichloropropene
 Concen: 0.210 ug/l
 RT: 10.729 min Scan# 1492
 Delta R.T. -0.106 min
 Lab File: VN083994.D
 Acq: 18 Sep 2024 19:51

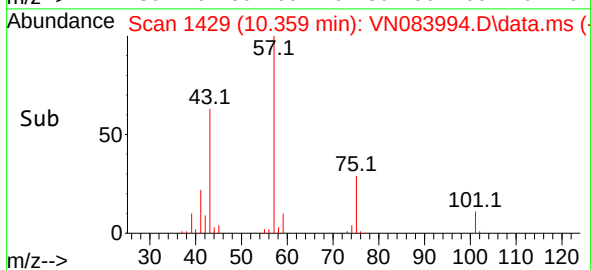
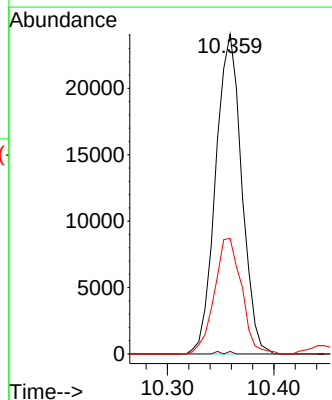
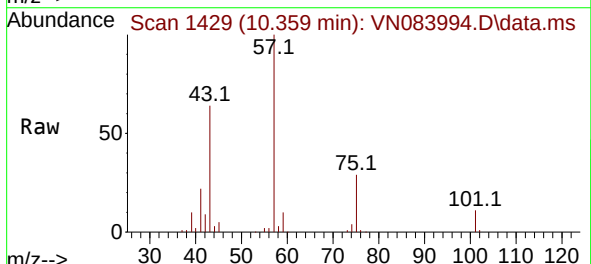
Instrument :
 MSVOA_N
 ClientSampleId :

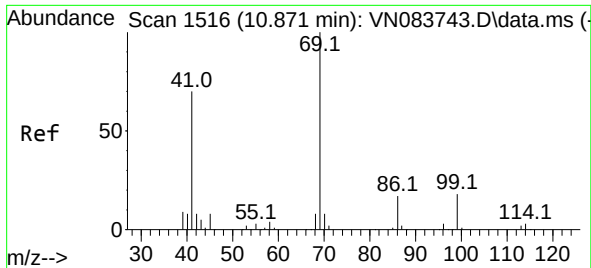
Tgt Ion: 75 Resp: 640
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.8 38.6#



#54
 cis-1,3-Dichloropropene
 Concen: 12.747 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN083994.D
 Acq: 18 Sep 2024 19:51

Tgt Ion: 75 Resp: 40859
 Ion Ratio Lower Upper
 75 100
 77 0.8 25.0 37.6#
 39 36.1 42.6 64.0#

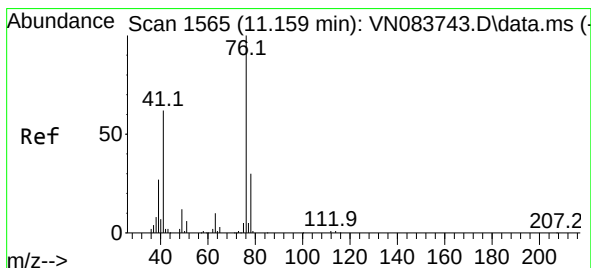
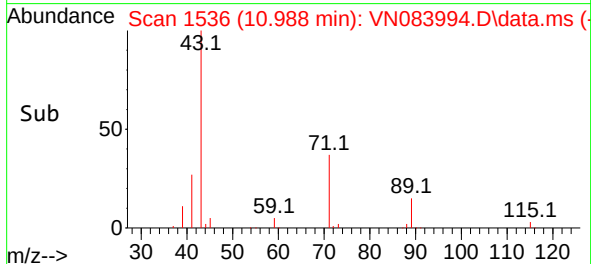
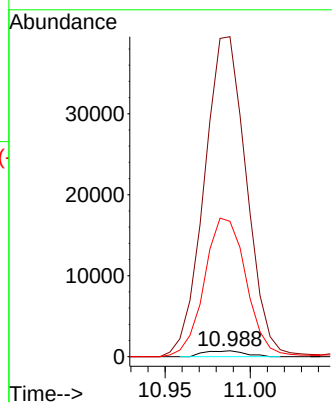
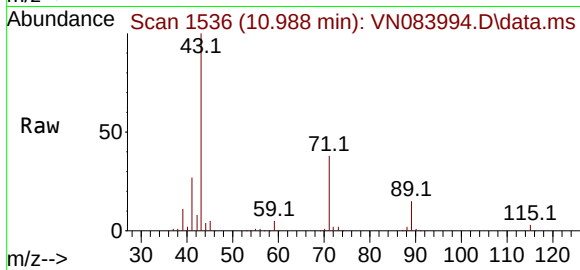




#56
Ethyl methacrylate
Concen: 0.422 ug/l
RT: 10.988 min Scan# 11
Delta R.T. 0.117 min
Lab File: VN083994.D
Acq: 18 Sep 2024 19:51

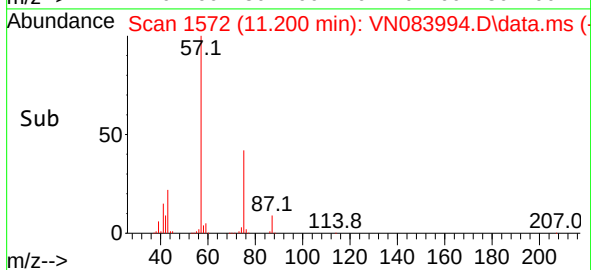
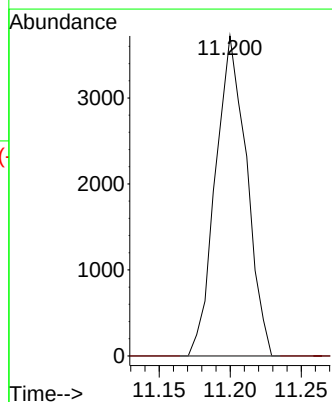
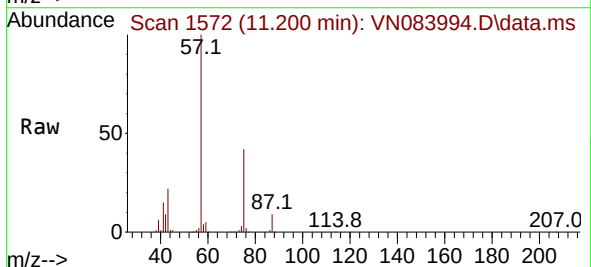
Instrument :
MSVOA_N
ClientSampleId :

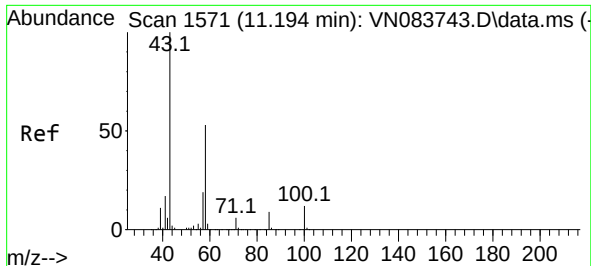
Tgt Ion: 69 Resp: 1217
Ion Ratio Lower Upper
69 100
41 5617.8 53.9 80.9#
39 2412.2 32.6 48.8#



#57
1,3-Dichloropropane
Concen: 1.755 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN083994.D
Acq: 18 Sep 2024 19:51

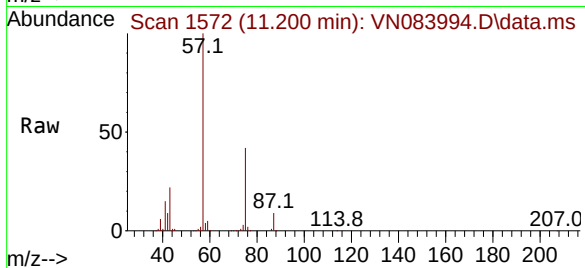
Tgt Ion: 76 Resp: 5660
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#



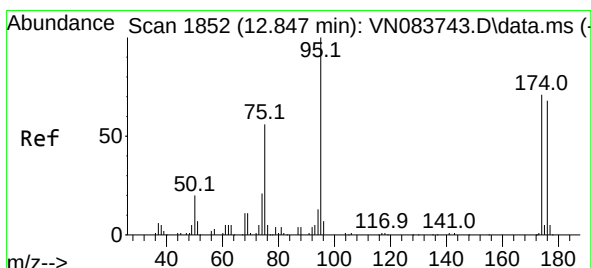
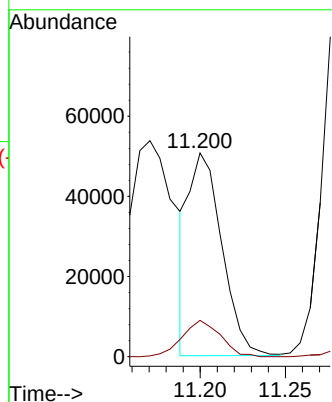
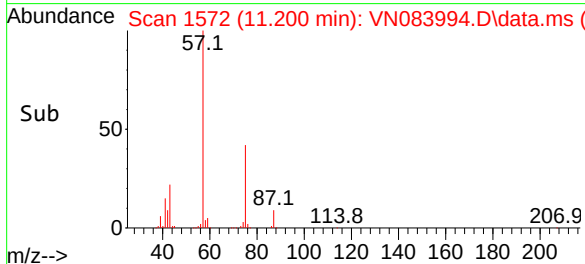


#59
2-Hexanone
Concen: 37.943 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN083994.D
Acq: 18 Sep 2024 19:51

Instrument :
MSVOA_N
ClientSampleId :

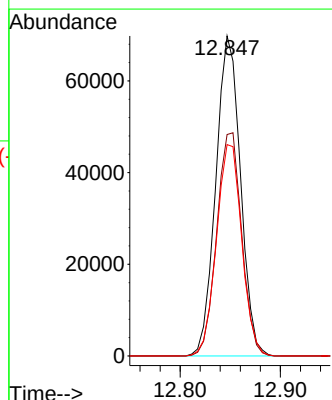
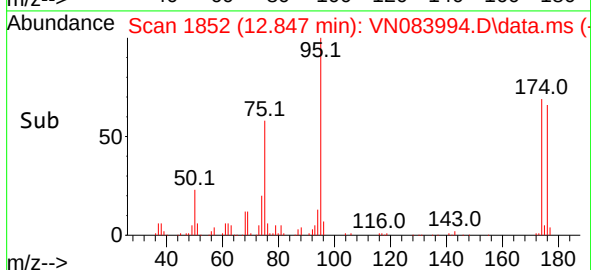
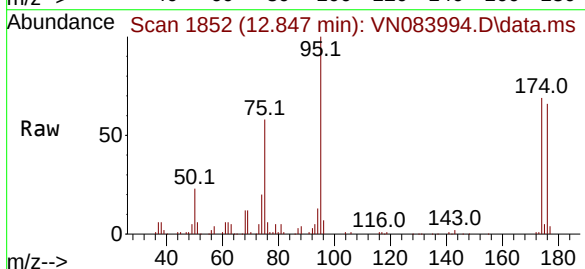


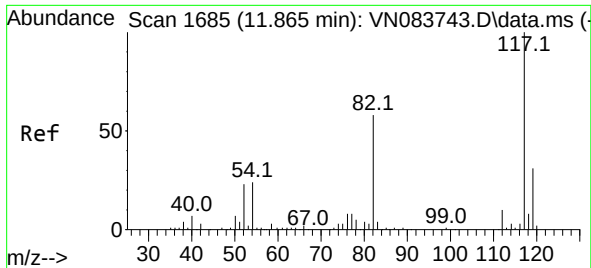
Tgt Ion: 43 Resp: 68609
Ion Ratio Lower Upper
43 100
58 20.6 27.2 81.5#



#62
4-Bromofluorobenzene
Concen: 46.097 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083994.D
Acq: 18 Sep 2024 19:51

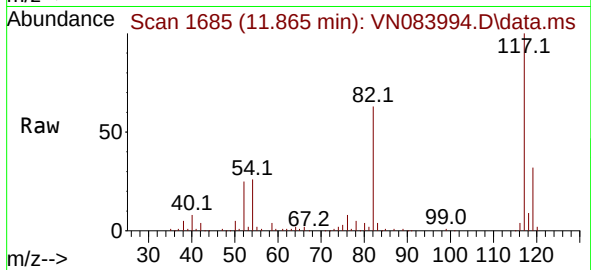
Tgt Ion: 95 Resp: 119255
Ion Ratio Lower Upper
95 100
174 70.5 0.0 139.8
176 67.8 0.0 131.4



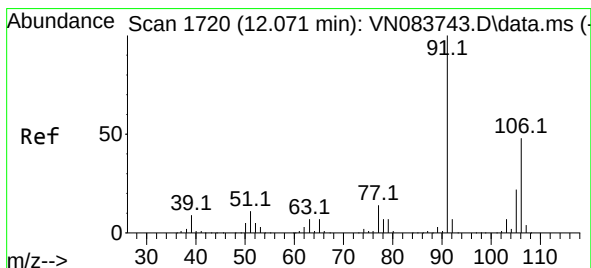
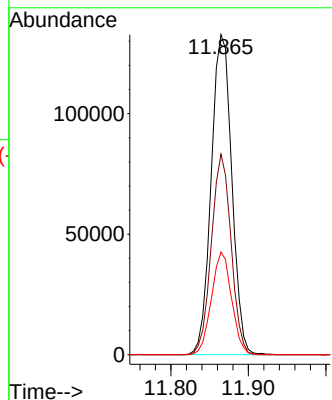
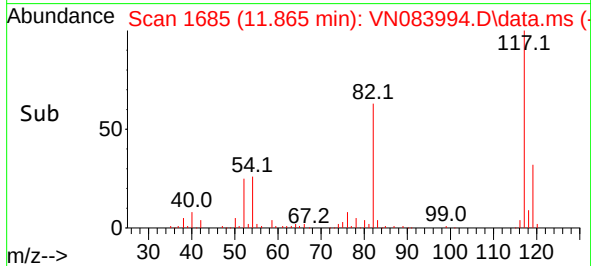


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN083994.D
Acq: 18 Sep 2024 19:51

Instrument :
MSVOA_N
ClientSampleId :

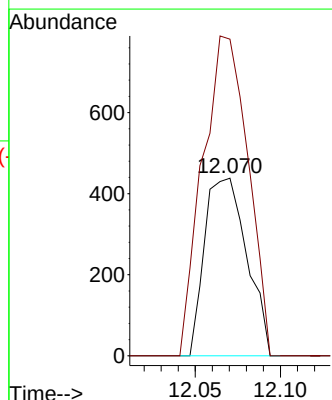
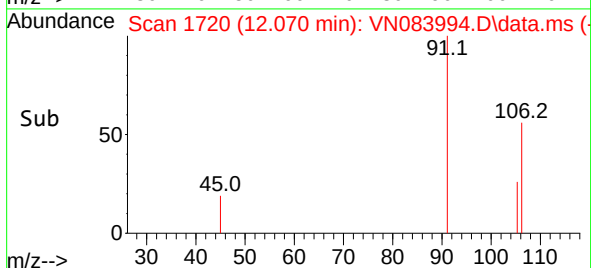
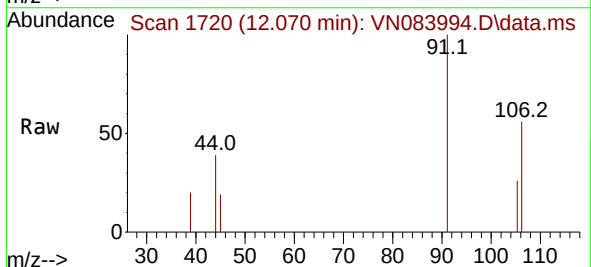


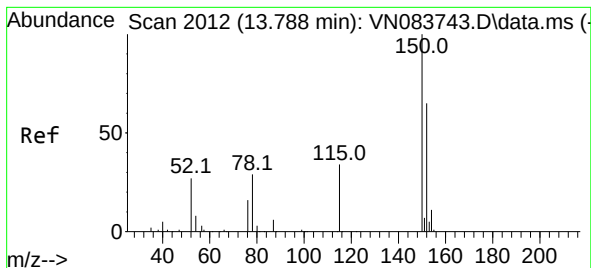
Tgt Ion:117 Resp: 245207
Ion Ratio Lower Upper
117 100
82 62.6 47.4 71.0
119 32.0 26.3 39.5



#68
m/p-Xylenes
Concen: 0.210 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN083994.D
Acq: 18 Sep 2024 19:51

Tgt Ion:106 Resp: 755
Ion Ratio Lower Upper
106 100
91 193.2 169.2 253.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. 0.006 min

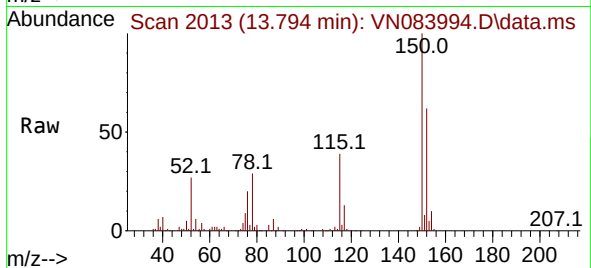
Lab File: VN083994.D

Acq: 18 Sep 2024 19:51

Instrument :

MSVOA_N

ClientSampleId :



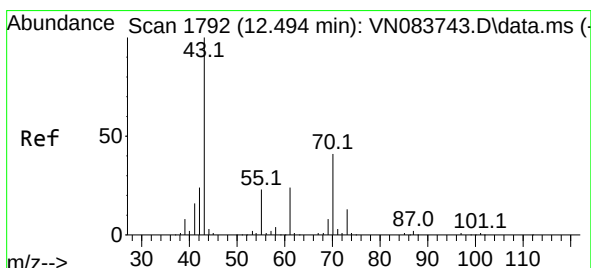
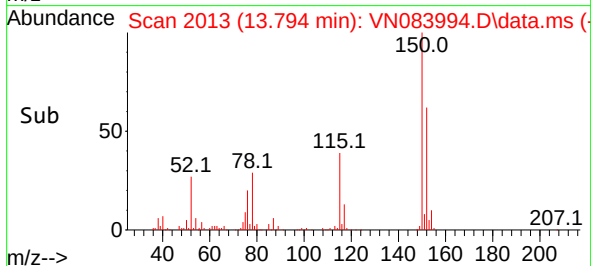
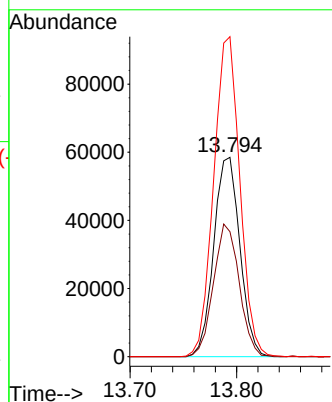
Tgt Ion:152 Resp: 99793

Ion Ratio Lower Upper

152 100

115 65.5 32.2 96.6

150 160.8 0.0 348.6



#74

N-ethyl acetate

Concen: 0.507 ug/l

RT: 12.488 min Scan# 1791

Delta R.T. -0.006 min

Lab File: VN083994.D

Acq: 18 Sep 2024 19:51

Tgt Ion: 43 Resp: 1670

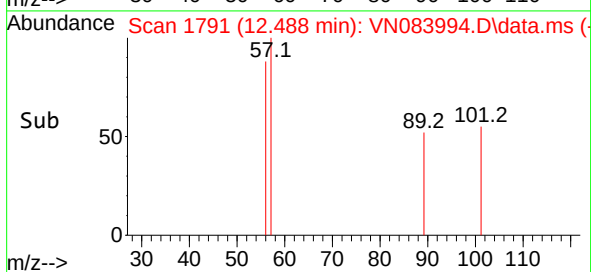
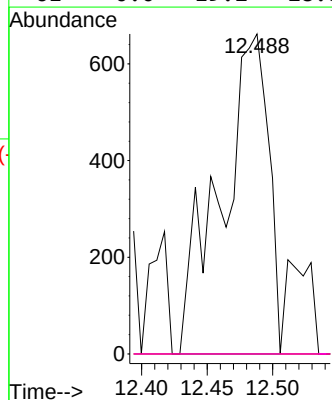
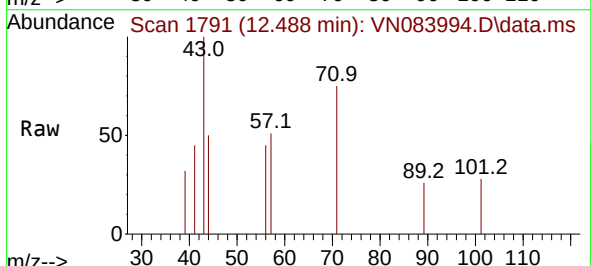
Ion Ratio Lower Upper

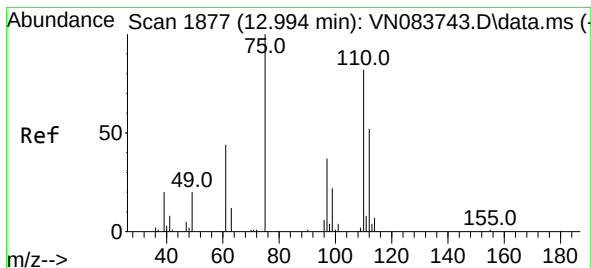
43 100

70 0.0 34.5 51.7#

55 0.0 18.6 28.0#

61 0.0 19.2 28.8#





#76

1,2,3-Trichloropropane

Concen: 33.465 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN083994.D

Acq: 18 Sep 2024 19:51

Instrument :

MSVOA_N

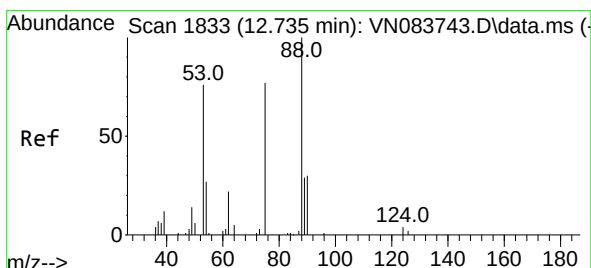
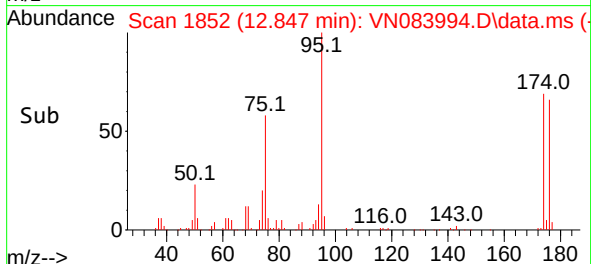
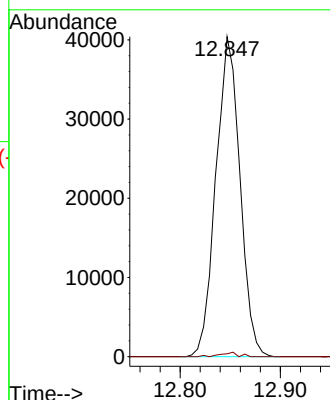
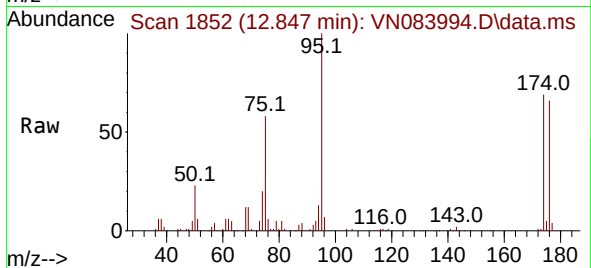
ClientSampleId :

Tgt Ion: 75 Resp: 67386

Ion Ratio Lower Upper

75 100

77 1.0 95.2 285.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 87.647 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN083994.D

Acq: 18 Sep 2024 19:51

Tgt Ion: 75 Resp: 67386

Ion Ratio Lower Upper

75 100

53 0.0 81.2 121.8#

89 0.0 35.7 53.5#

