

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092724\
 Data File : VN084209.D
 Acq On : 27 Sep 2024 17:30
 Operator : JC\MD
 Sample : P4192-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 28 01:01:32 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)

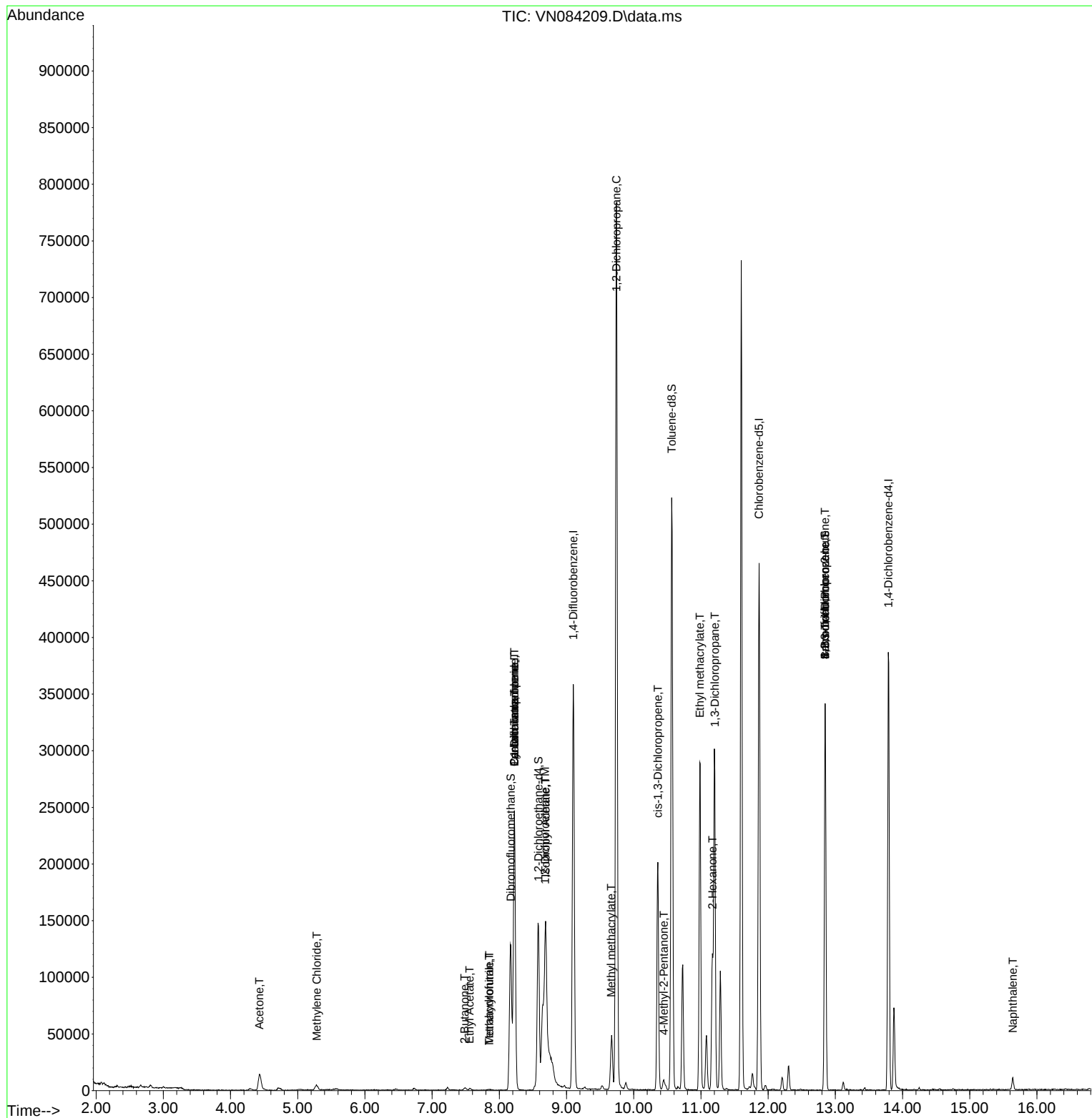
Internal Standards						
1) Pentafluorobenzene	8.224	168	167107	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	298960	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	253591	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	100940	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	124106	49.254	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.500%		
35) Dibromofluoromethane	8.171	113	93478	48.842	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.680%		
50) Toluene-d8	10.565	98	360855	54.539	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	109.080%		
62) 4-Bromofluorobenzene	12.847	95	117872	43.180	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	86.360%		
Target Compounds					Qvalue	
3) Chloromethane	2.354	50	200	Below Cal	#	41
16) Acetone	4.430	43	28579	28.293	ug/l	96
18) Methyl Acetate	5.030	43	1847	Below Cal	#	52
20) Methylene Chloride	5.283	84	3359	1.625	ug/l	90
25) 2-Butanone	7.483	43	3745	2.821	ug/l	92
29) Tetrahydrofuran	7.847	42	712	0.907	ug/l	# 42
31) Cyclohexane	8.224	56	4248	1.166	ug/l	# 3
36) 1,1-Dichloropropene	8.224	75	15296	5.310	ug/l	# 51
37) Ethyl Acetate	7.559	43	2702	1.033	ug/l	# 81
38) Carbon Tetrachloride	8.224	117	18829	5.761	ug/l	# 17
41) Methacrylonitrile	7.853	41	350	0.226	ug/l	# 23
42) 1,2-Dichloroethane	8.683	62	780	0.241	ug/l	# 77
43) Isopropyl Acetate	8.688	43	295094	62.277	ug/l	# 72
45) 1,2-Dichloropropane	9.741	63	816	0.389	ug/l	# 42
48) Methyl methacrylate	9.665	41	3109	1.383	ug/l	# 41
51) 4-Methyl-2-Pentanone	10.447	43	9809	3.803	ug/l	# 74
54) cis-1,3-Dichloropropene	10.359	75	36029	10.652	ug/l	# 60
56) Ethyl methacrylate	10.982	69	1109	0.364	ug/l	# 1
57) 1,3-Dichloropropane	11.206	76	2985	0.877	ug/l	# 42
59) 2-Hexanone	11.171	43	137919	72.284	ug/l	# 24
71) Bromoform	12.847	173	792	0.602	ug/l	# 1
76) 1,2,3-Trichloropropane	12.847	75	64495	31.665	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.847	75	64495	82.934	ug/l	# 9
95) Naphthalene	15.641	128	10543	1.886	ug/l	# 99

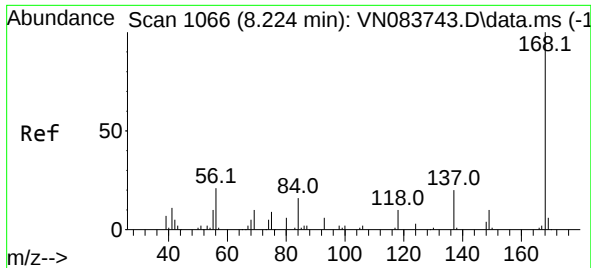
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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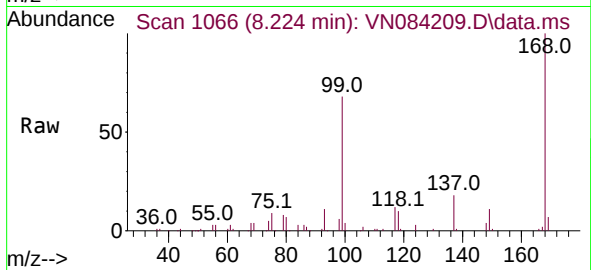
Quant Time: Sep 28 01:01:32 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration



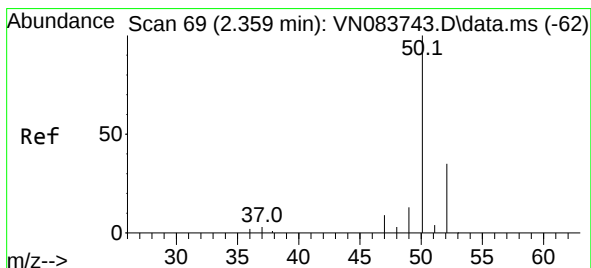
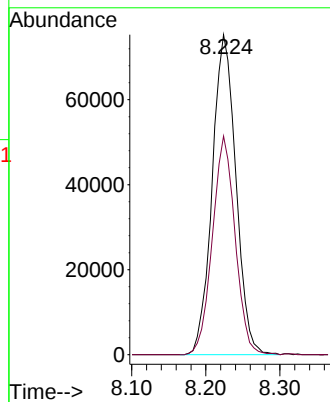
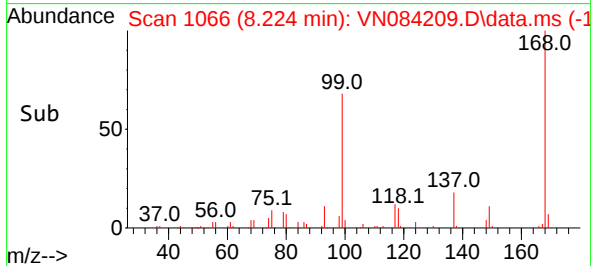


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084209.D
Acq: 27 Sep 2024 17:30

Instrument :
MSVOA_N
ClientSampleId :

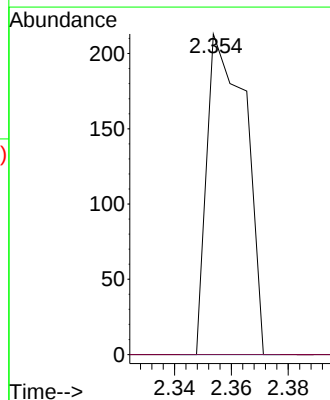
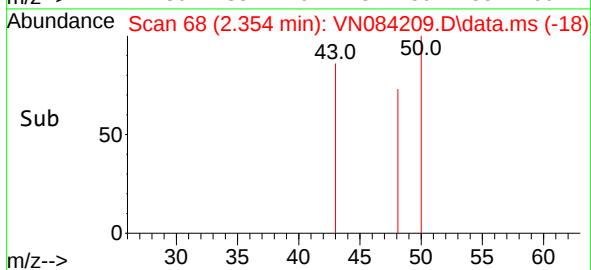
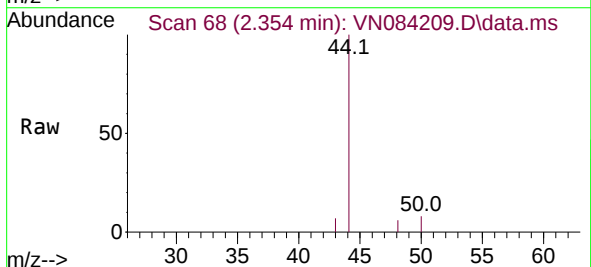


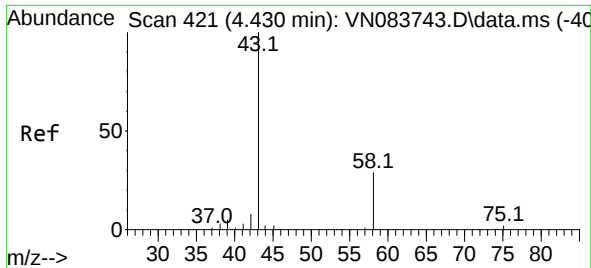
Tgt Ion:168 Resp: 167107
Ion Ratio Lower Upper
168 100
99 68.3 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.354 min Scan# 68
Delta R.T. -0.005 min
Lab File: VN084209.D
Acq: 27 Sep 2024 17:30

Tgt Ion: 50 Resp: 200
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#

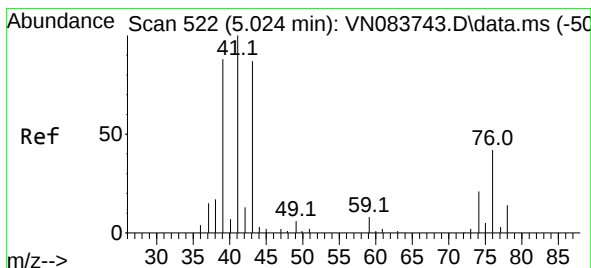
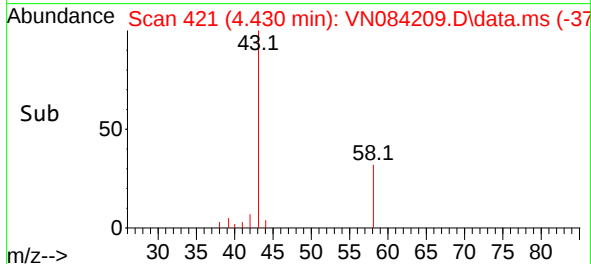
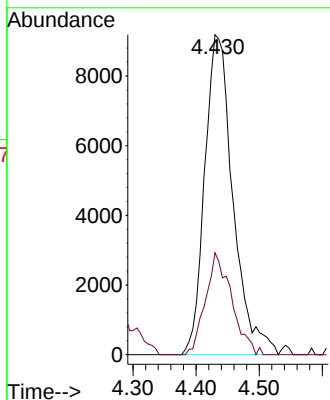
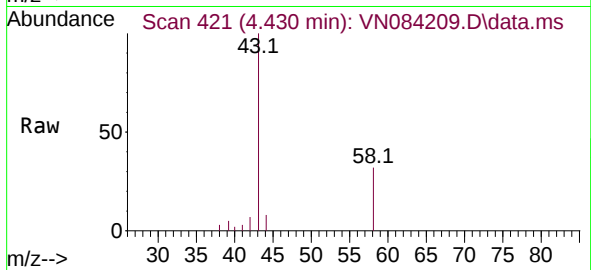




#16
Acetone
Concen: 28.293 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN084209.D
Acq: 27 Sep 2024 17:30

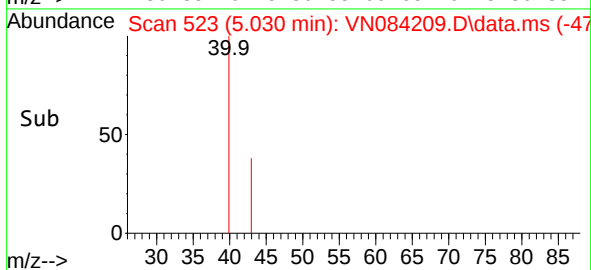
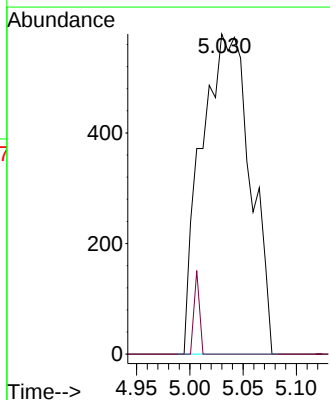
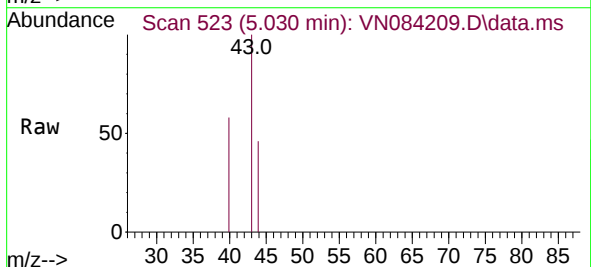
Instrument :
MSVOA_N
ClientSampleId :

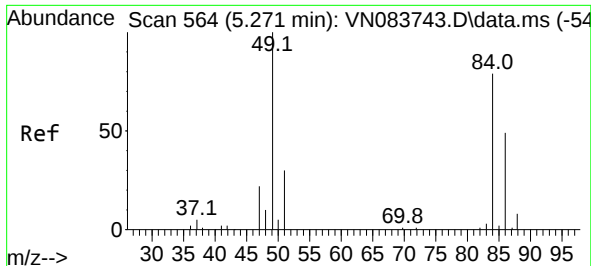
Tgt Ion: 43 Resp: 28579
Ion Ratio Lower Upper
43 100
58 31.8 23.7 35.5



#18
Methyl Acetate
Concen: Below Cal
RT: 5.030 min Scan# 523
Delta R.T. 0.006 min
Lab File: VN084209.D
Acq: 27 Sep 2024 17:30

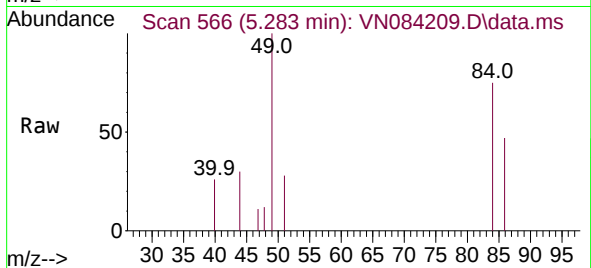
Tgt Ion: 43 Resp: 1847
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.4#



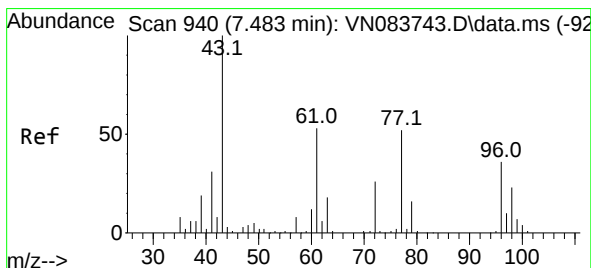
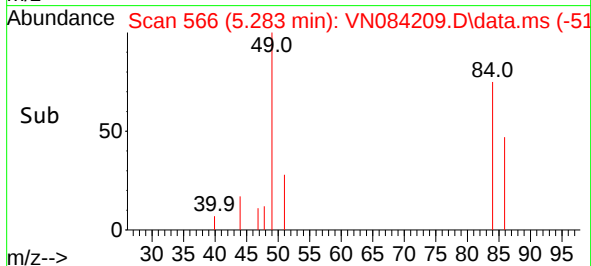
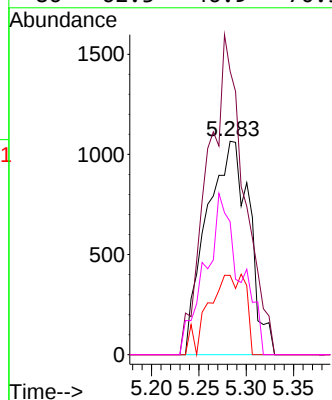


#20
Methylene Chloride
Concen: 1.625 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN084209.D
Acq: 27 Sep 2024 17:30

Instrument :
MSVOA_N
ClientSampleId :

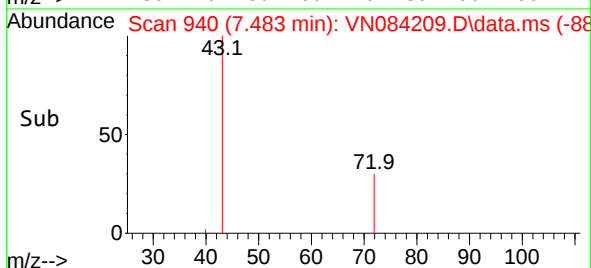
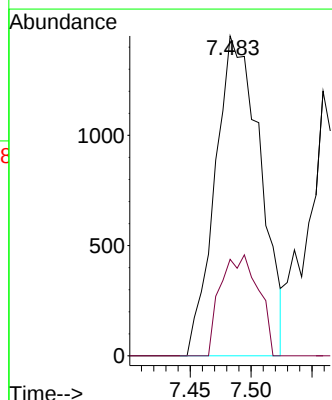
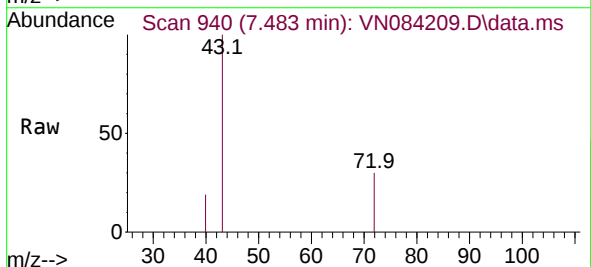


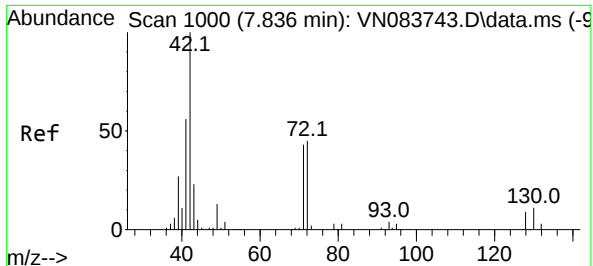
Tgt Ion: 84	Resp: 3359
Ion Ratio	Lower Upper
84 100	
49 132.8	93.4 140.0
51 37.1	29.2 43.8
86 62.3	46.9 70.3



#25
2-Butanone
Concen: 2.821 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN084209.D
Acq: 27 Sep 2024 17:30

Tgt Ion: 43	Resp: 3745		
Ion Ratio	Lower	Upper	
43 100			
72 30.2	20.8	31.2	





#29

Tetrahydrofuran

Concen: 0.907 ug/l

RT: 7.847 min Scan# 1066

Delta R.T. 0.012 min

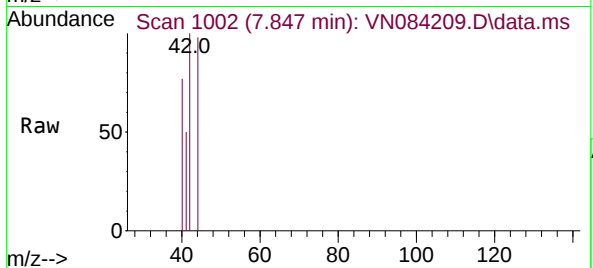
Lab File: VN084209.D

Acq: 27 Sep 2024 17:30

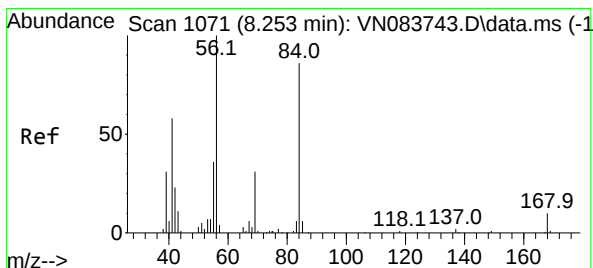
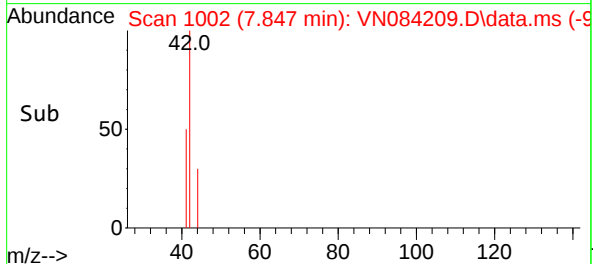
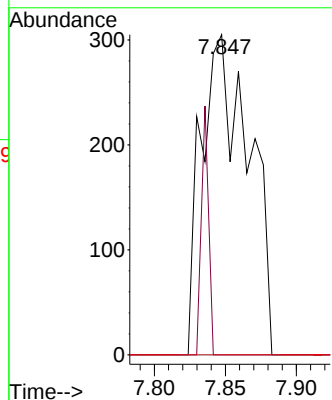
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	712
Ion	Ratio	Lower	Upper
42	100		
72	11.8	35.9	53.9#
71	0.0	33.9	50.9#



#31

Cyclohexane

Concen: 1.166 ug/l

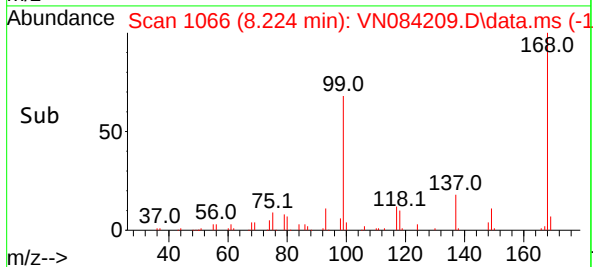
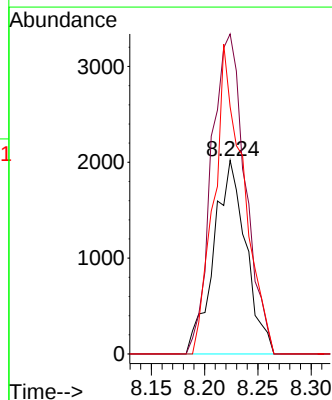
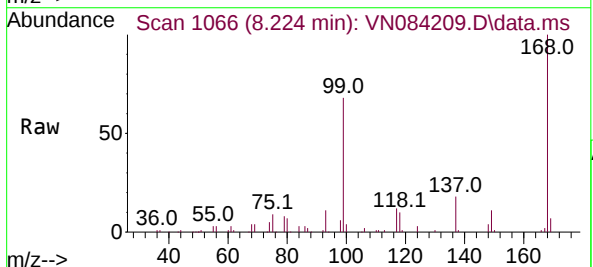
RT: 8.224 min Scan# 1066

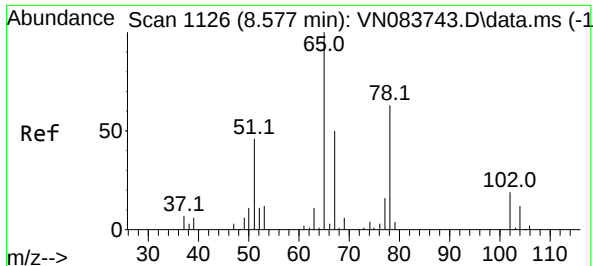
Delta R.T. -0.029 min

Lab File: VN084209.D

Acq: 27 Sep 2024 17:30

Tgt Ion:	56	Resp:	4248
Ion	Ratio	Lower	Upper
56	100		
69	165.3	26.9	40.3#
84	127.7	69.2	103.8#





#33

1,2-Dichloroethane-d4

Concen: 49.254 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN084209.D

Acq: 27 Sep 2024 17:30

Instrument :

MSVOA_N

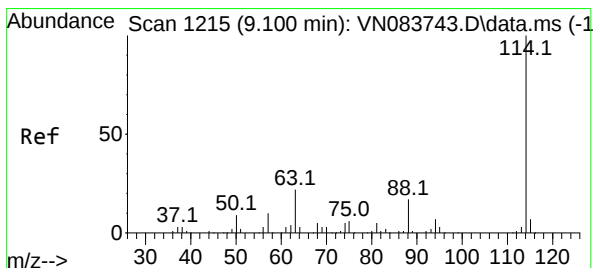
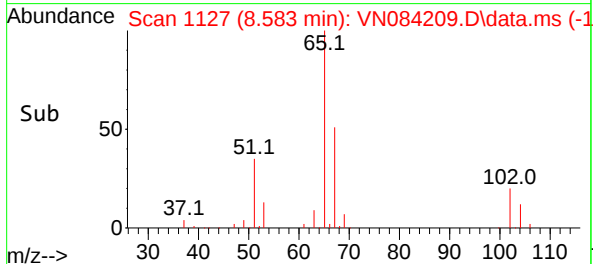
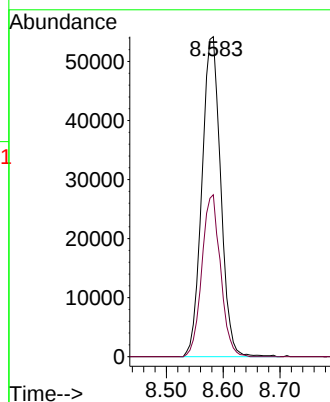
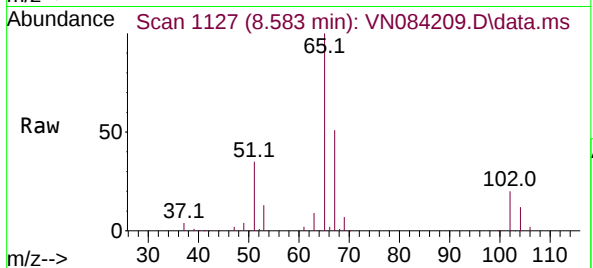
ClientSampleId :

Tgt Ion: 65 Resp: 124106

Ion Ratio Lower Upper

65 100

67 50.2 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: VN084209.D

Acq: 27 Sep 2024 17:30

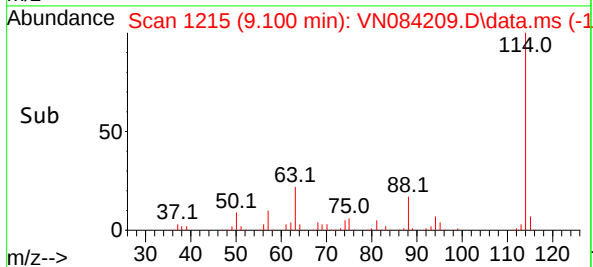
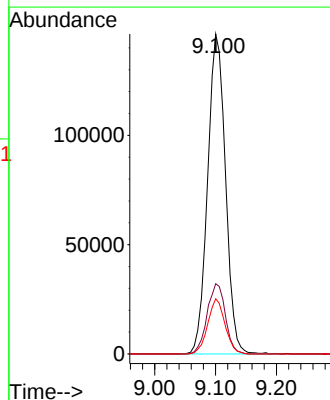
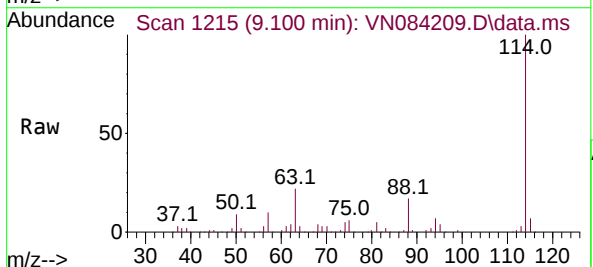
Tgt Ion: 114 Resp: 298960

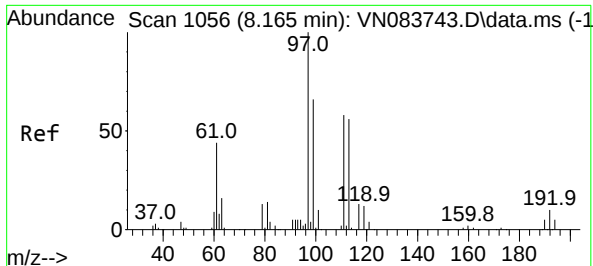
Ion Ratio Lower Upper

114 100

63 22.0 0.0 43.4

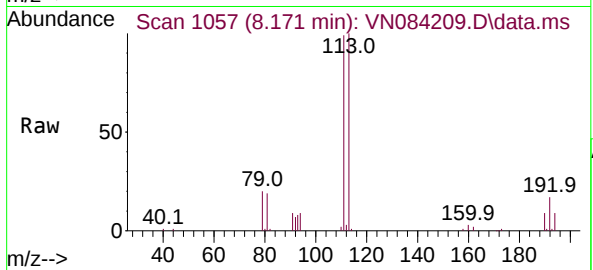
88 17.3 0.0 32.6



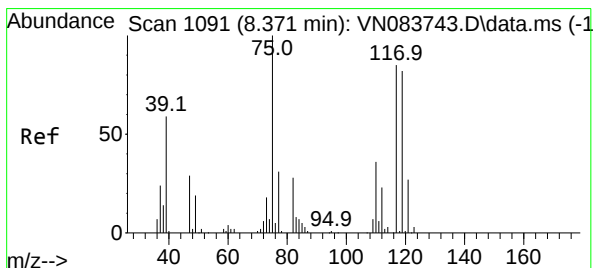
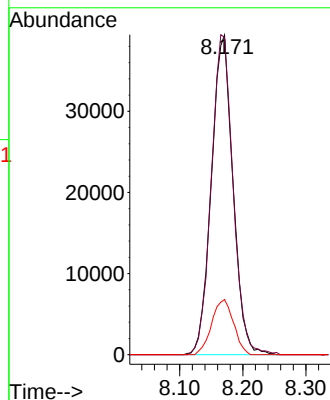
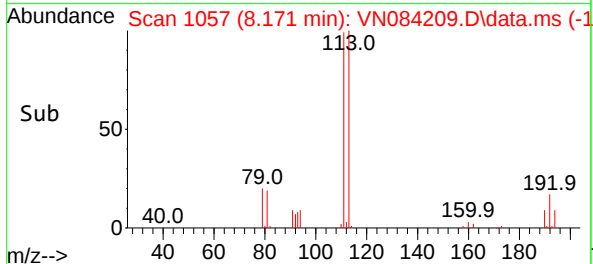


#35
Dibromofluoromethane
Concen: 48.842 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN084209.D
Acq: 27 Sep 2024 17:30

Instrument :
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ClientSampleId :

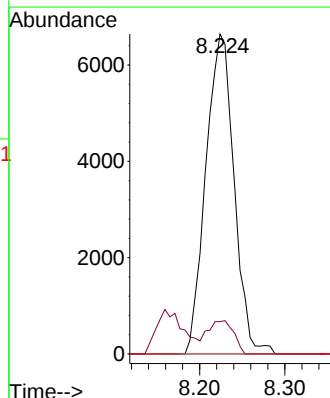
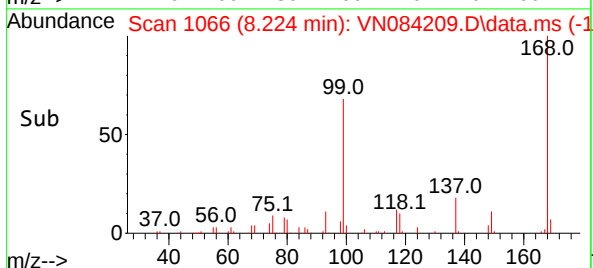
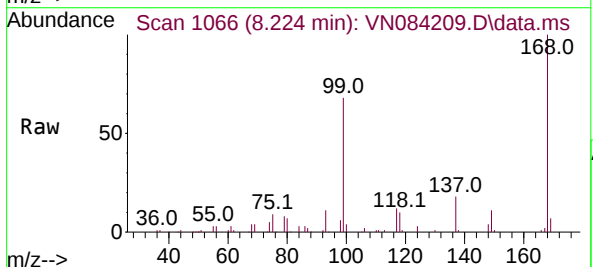


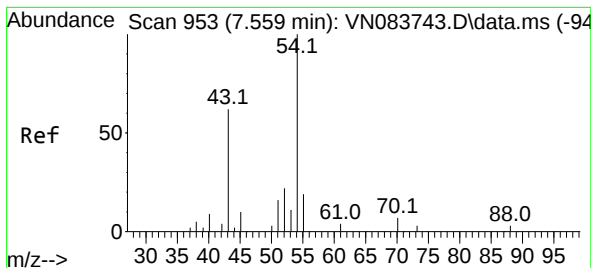
Tgt Ion:113 Resp: 93478
Ion Ratio Lower Upper
113 100
111 101.0 82.6 124.0
192 17.5 14.3 21.5



#36
1,1-Dichloropropene
Concen: 5.310 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN084209.D
Acq: 27 Sep 2024 17:30

Tgt Ion: 75 Resp: 15296
Ion Ratio Lower Upper
75 100
110 9.6 16.7 50.1#
77 0.0 25.2 37.8#





#37

Ethyl Acetate

Concen: 1.033 ug/l

RT: 7.559 min Scan# 91

Delta R.T. 0.000 min

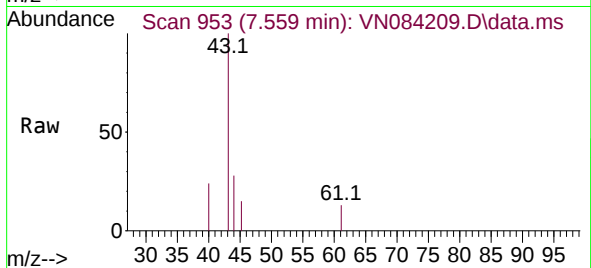
Lab File: VN084209.D

Acq: 27 Sep 2024 17:30

Instrument :

MSVOA_N

ClientSampleId :



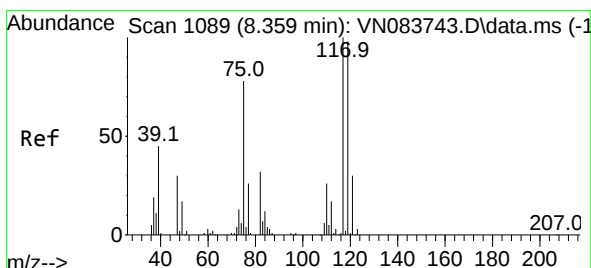
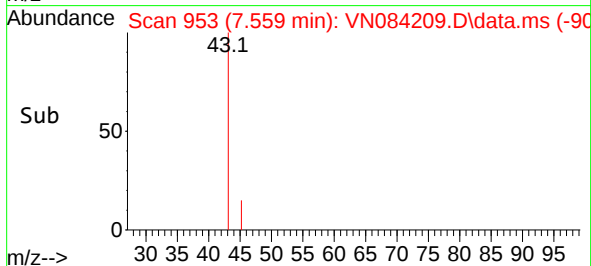
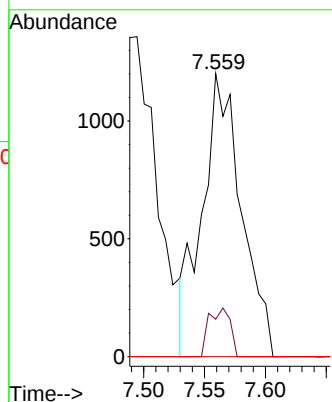
Tgt Ion: 43 Resp: 2702

Ion Ratio Lower Upper

43 100

61 9.3 11.1 16.7#

70 0.0 8.8 13.2#



#38

Carbon Tetrachloride

Concen: 5.761 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN084209.D

Acq: 27 Sep 2024 17:30

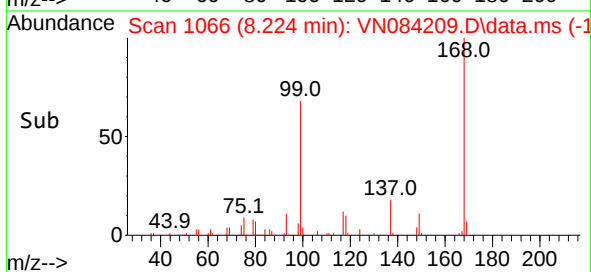
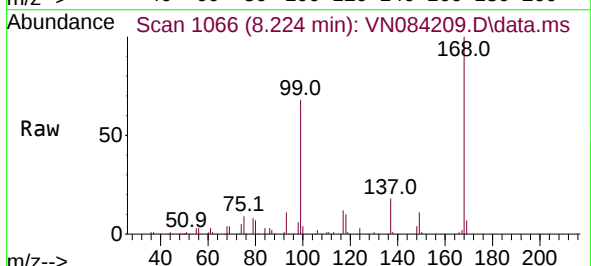
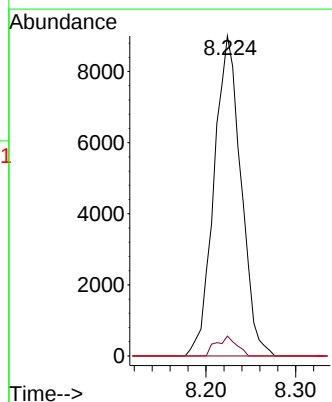
Tgt Ion: 117 Resp: 18829

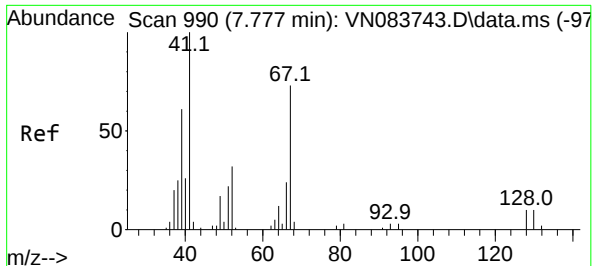
Ion Ratio Lower Upper

117 100

119 6.2 76.1 114.1#

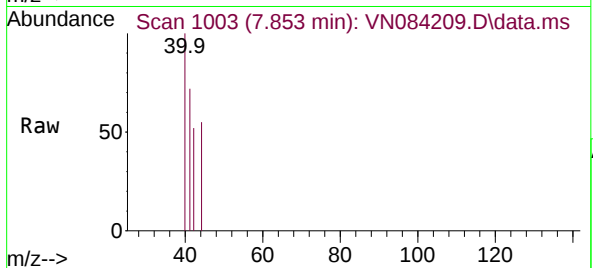
121 0.0 24.1 36.1#



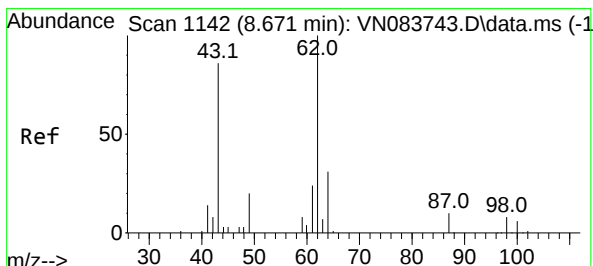
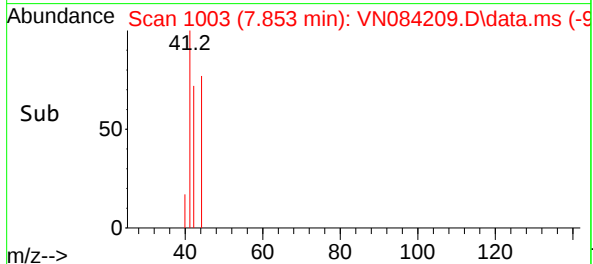
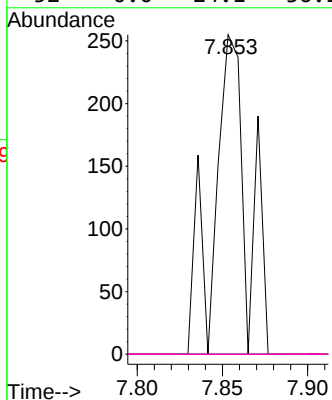


#41
Methacrylonitrile
Concen: 0.226 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.077 min
Lab File: VN084209.D
Acq: 27 Sep 2024 17:30

Instrument :
MSVOA_N
ClientSampleId :

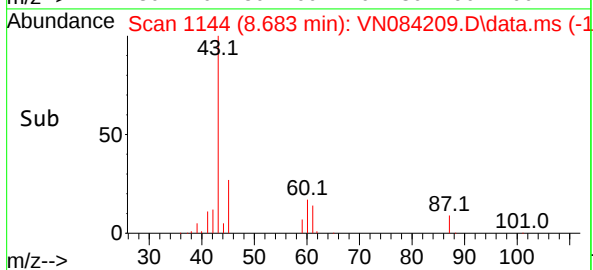
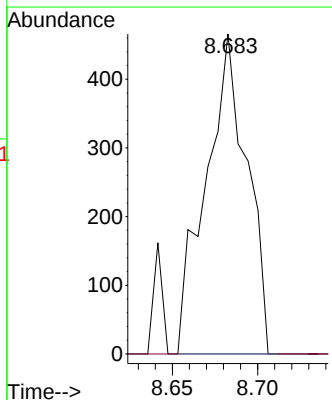
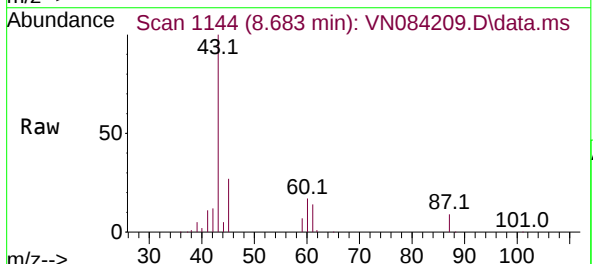


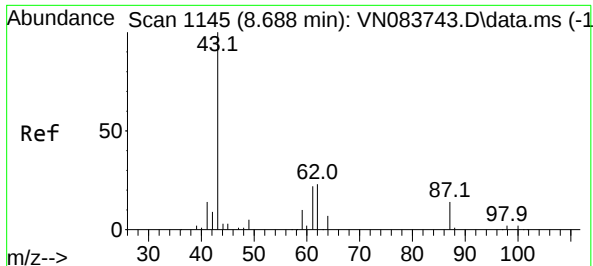
Tgt Ion: 41	Resp: 350
Ion Ratio	Lower Upper
41 100	
39 0.0	45.4 68.2#
67 0.0	55.9 83.9#
52 0.0	24.1 36.1#



#42
1,2-Dichloroethane
Concen: 0.241 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. 0.012 min
Lab File: VN084209.D
Acq: 27 Sep 2024 17:30

Tgt Ion: 62	Resp:	780	
Ion Ratio	Lower	Upper	
62 100			
98 0.0	0.0	16.6	





#43

Isopropyl Acetate

Concen: 62.277 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN084209.D

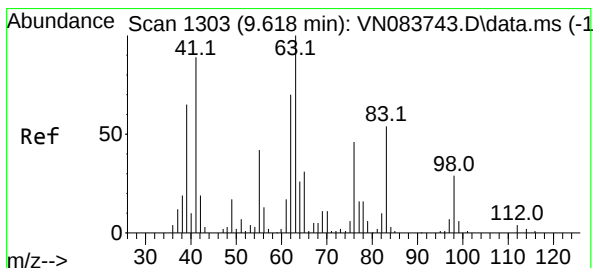
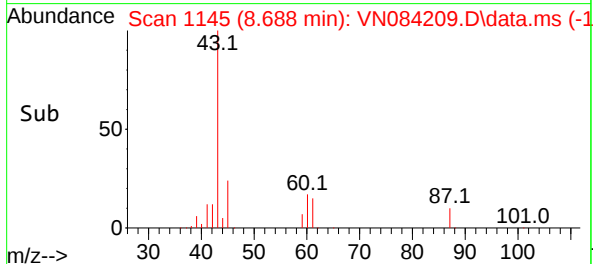
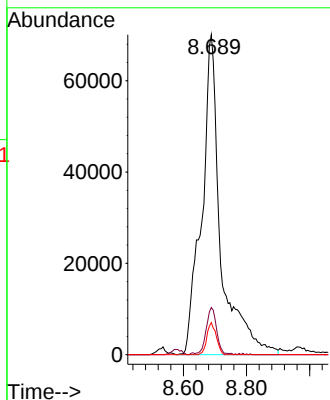
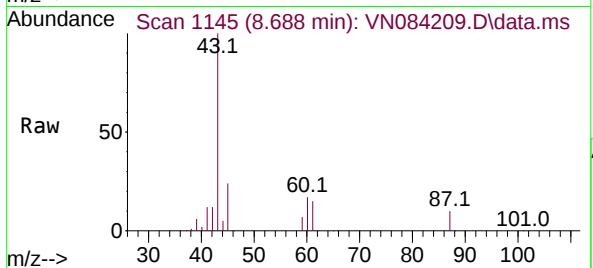
Acq: 27 Sep 2024 17:30

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	43	Resp:	295094
Ion Ratio	Lower	Upper	
43	100		
61	8.0	19.4	29.0#
87	4.9	9.8	14.6#



#45

1,2-Dichloropropane

Concen: 0.389 ug/l

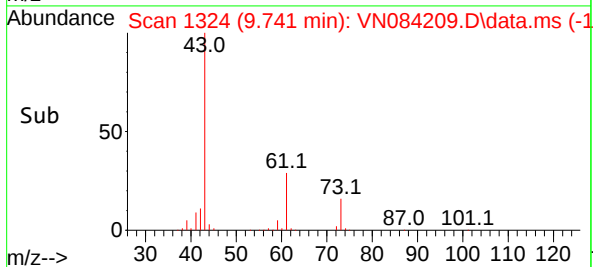
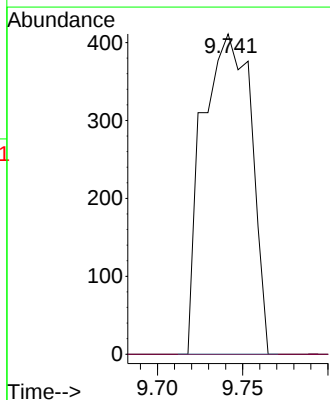
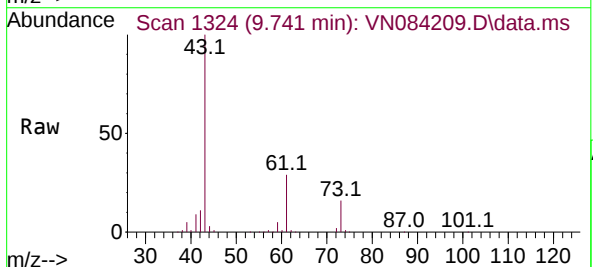
RT: 9.741 min Scan# 1324

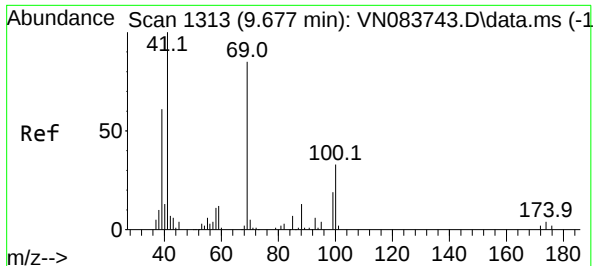
Delta R.T. 0.124 min

Lab File: VN084209.D

Acq: 27 Sep 2024 17:30

Tgt Ion:	63	Resp:	816
Ion Ratio	Lower	Upper	
63	100		
65	0.0	25.9	38.9#





#48

Methyl methacrylate

Concen: 1.383 ug/l

RT: 9.665 min Scan# 1

Delta R.T. -0.012 min

Lab File: VN084209.D

Acq: 27 Sep 2024 17:30

Instrument :

MSVOA_N

ClientSampleId :

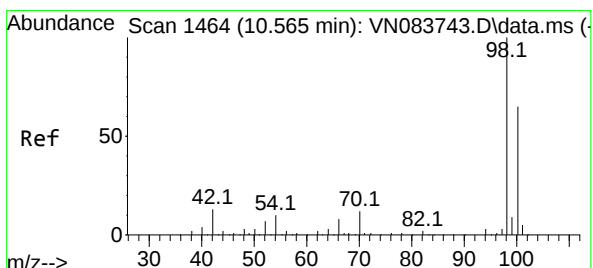
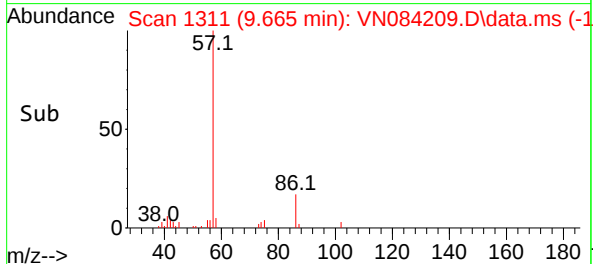
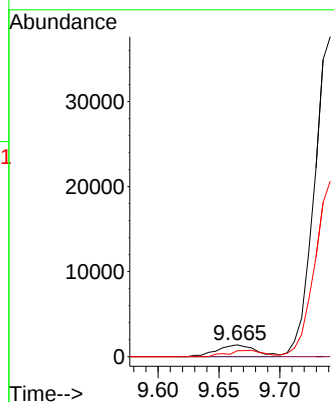
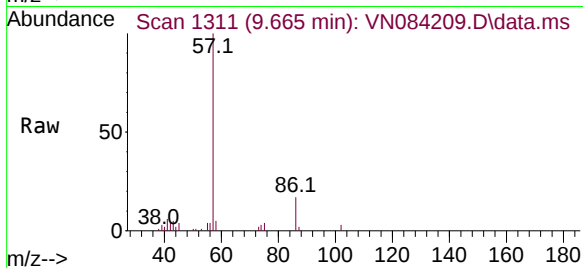
Tgt Ion: 41 Resp: 3109

Ion Ratio Lower Upper

41 100

69 0.0 64.3 96.5#

39 47.4 48.9 73.3#



#50

Toluene-d8

Concen: 54.539 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN084209.D

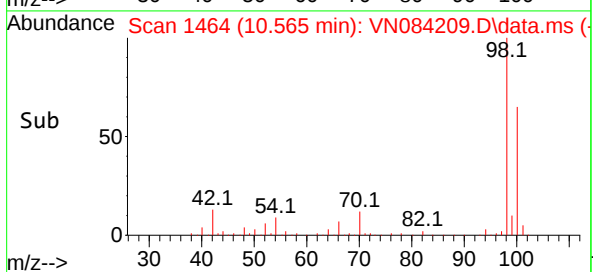
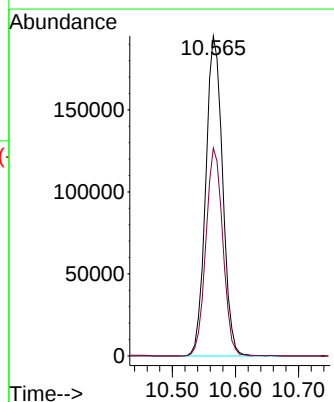
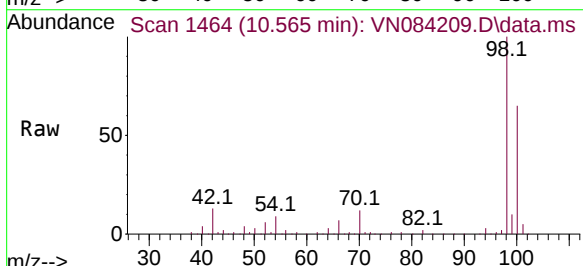
Acq: 27 Sep 2024 17:30

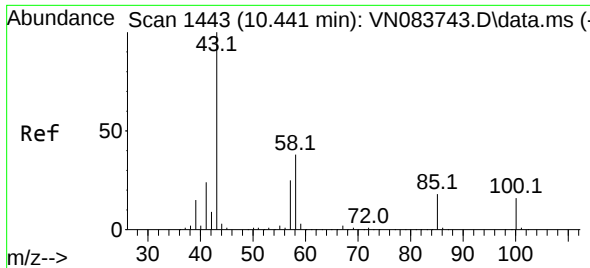
Tgt Ion: 98 Resp: 360855

Ion Ratio Lower Upper

98 100

100 65.0 52.0 78.0

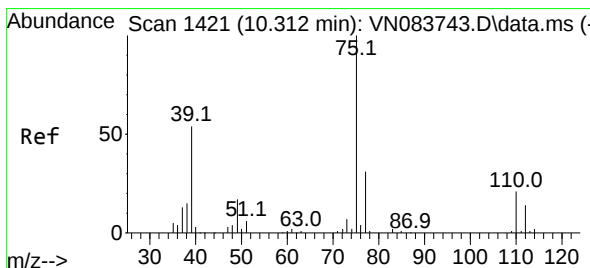
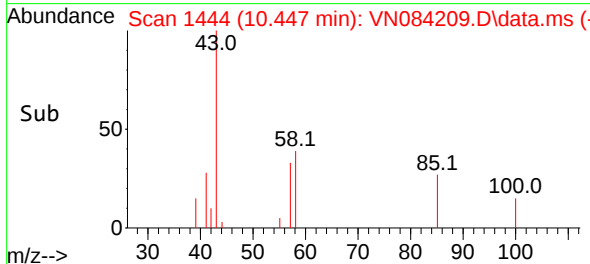
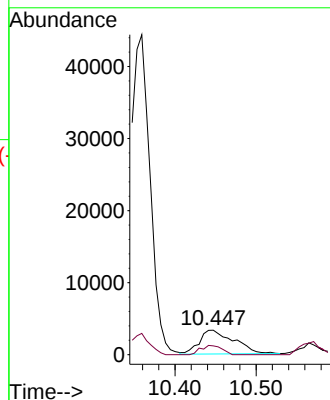
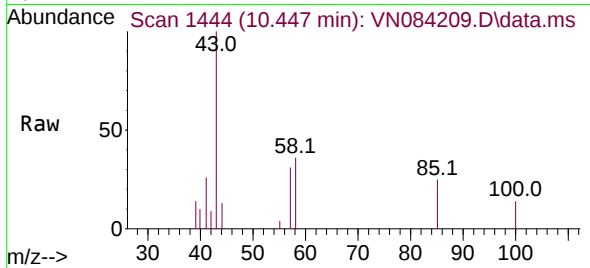




#51
4-Methyl-2-Pentanone
Concen: 3.803 ug/l
RT: 10.447 min Scan# 1443
Delta R.T. 0.006 min
Lab File: VN084209.D
Acq: 27 Sep 2024 17:30

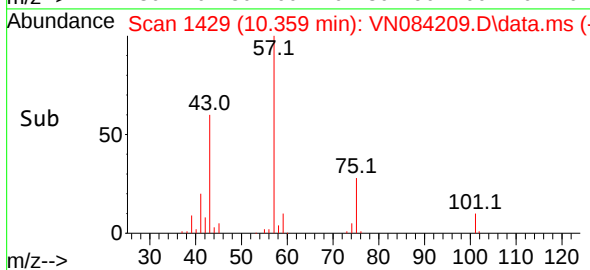
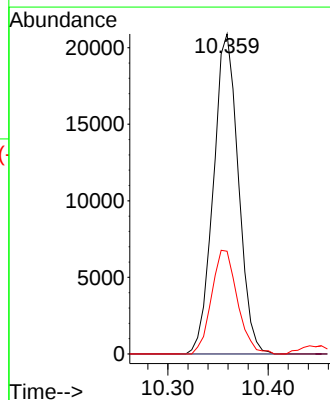
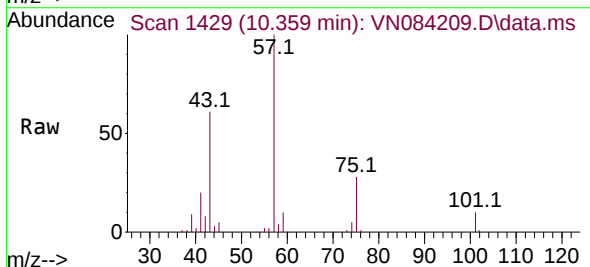
Instrument :
MSVOA_N
ClientSampleId :

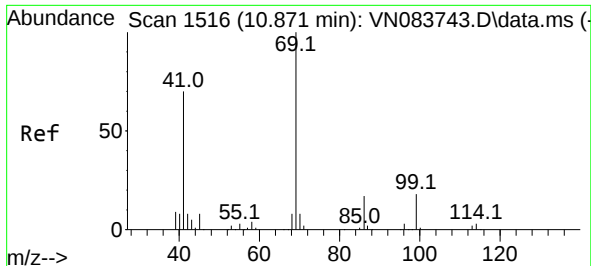
Tgt Ion: 43 Resp: 9809
Ion Ratio Lower Upper
43 100
58 23.7 31.6 47.4#



#54
cis-1,3-Dichloropropene
Concen: 10.652 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN084209.D
Acq: 27 Sep 2024 17:30

Tgt Ion: 75 Resp: 36029
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.6#
39 32.1 42.6 64.0#

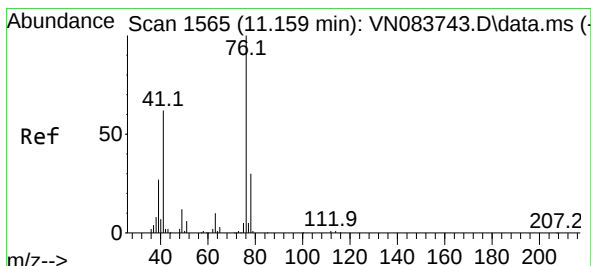
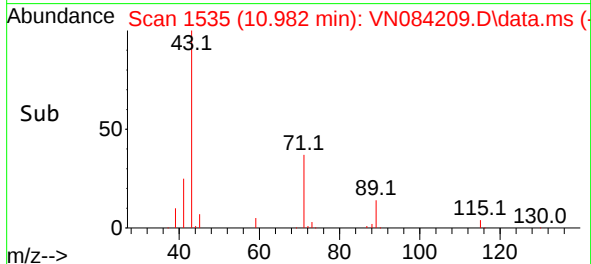
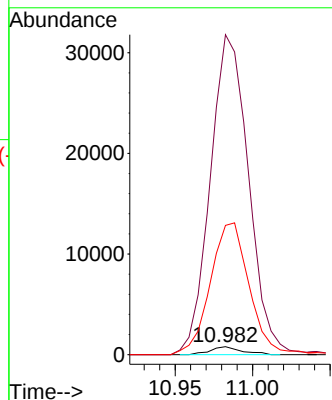
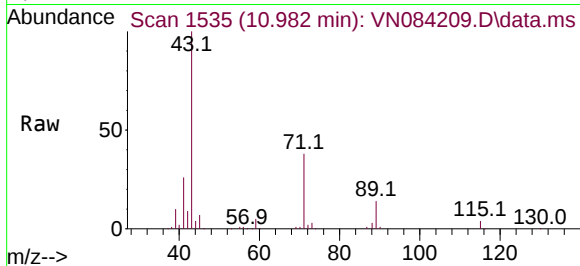




#56
Ethyl methacrylate
Concen: 0.364 ug/l
RT: 10.982 min Scan# 1109
Delta R.T. 0.112 min
Lab File: VN084209.D
Acq: 27 Sep 2024 17:30

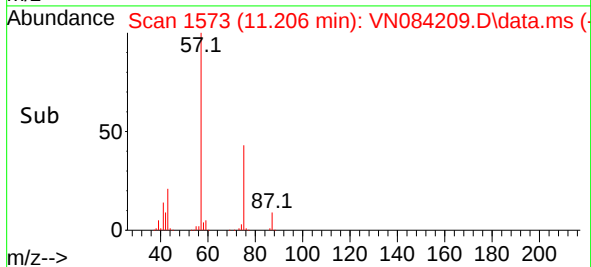
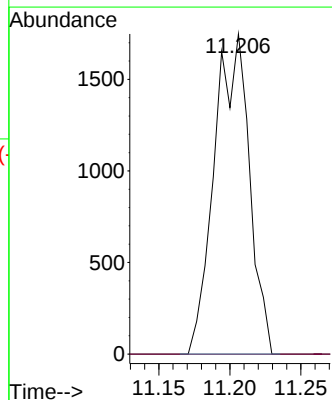
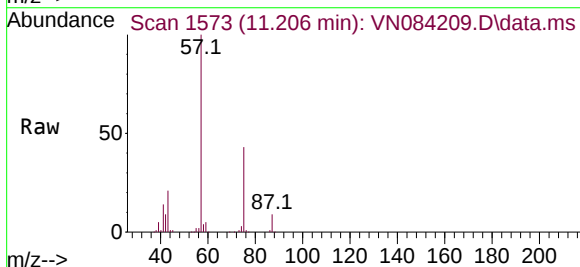
Instrument :
MSVOA_N
ClientSampleId :

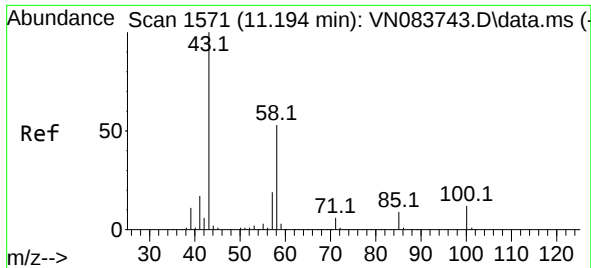
Tgt Ion: 69 Resp: 1109
Ion Ratio Lower Upper
69 100
41 4933.6 53.9 80.9#
39 2071.9 32.6 48.8#



#57
1,3-Dichloropropane
Concen: 0.877 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.047 min
Lab File: VN084209.D
Acq: 27 Sep 2024 17:30

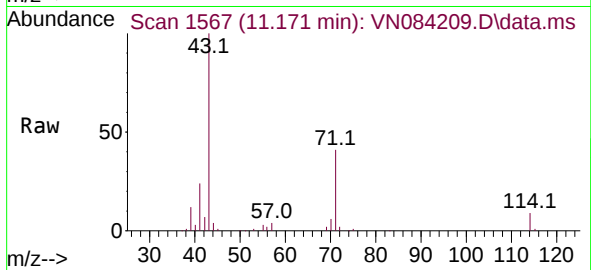
Tgt Ion: 76 Resp: 2985
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#



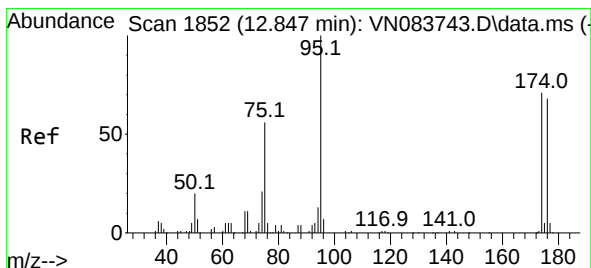
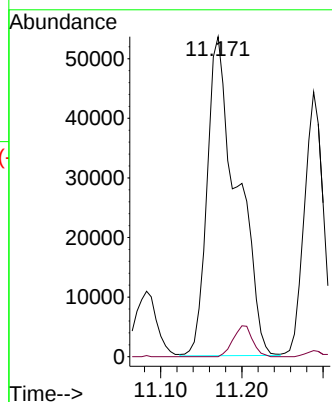
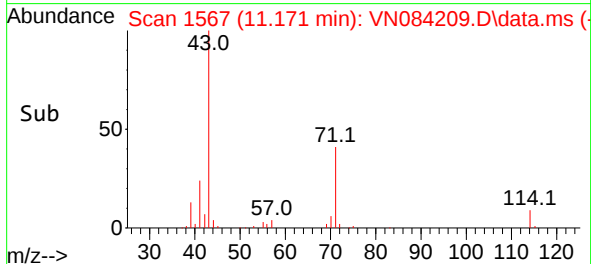


#59
2-Hexanone
Concen: 72.284 ug/l
RT: 11.171 min Scan# 1157
Delta R.T. -0.023 min
Lab File: VN084209.D
Acq: 27 Sep 2024 17:30

Instrument :
MSVOA_N
ClientSampleId :

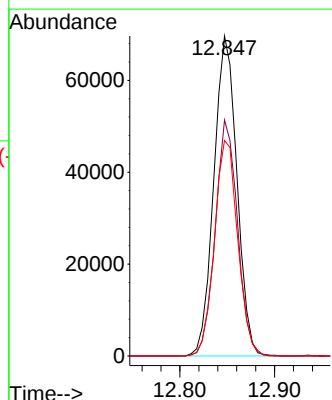
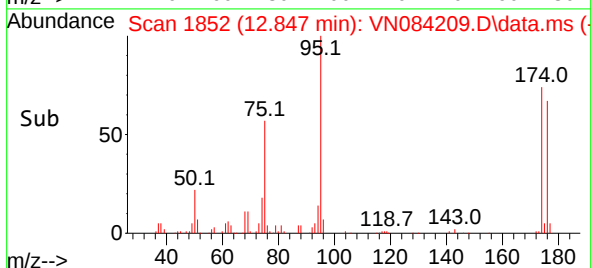
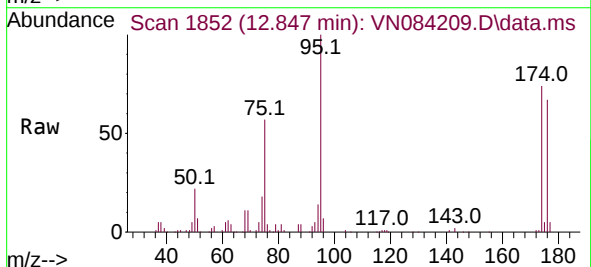


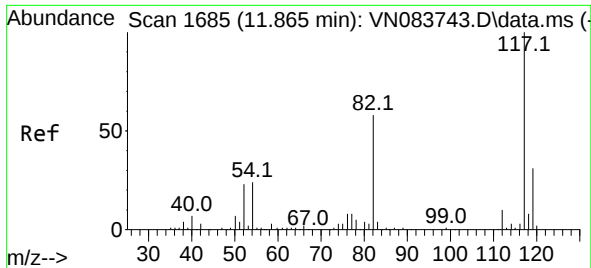
Tgt Ion: 43 Resp: 137919
Ion Ratio Lower Upper
43 100
58 0.0 27.2 81.5#



#62
4-Bromofluorobenzene
Concen: 43.180 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084209.D
Acq: 27 Sep 2024 17:30

Tgt Ion: 95 Resp: 117872
Ion Ratio Lower Upper
95 100
174 71.4 0.0 139.8
176 67.8 0.0 131.4

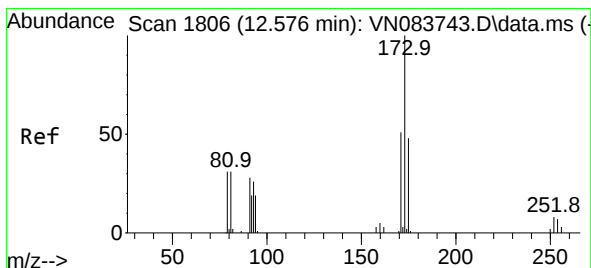
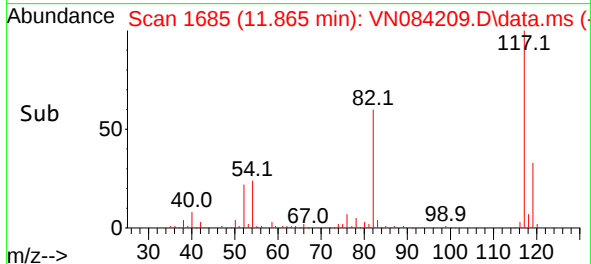
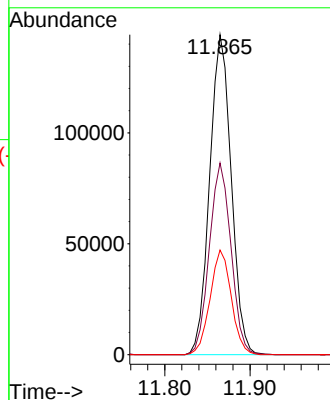
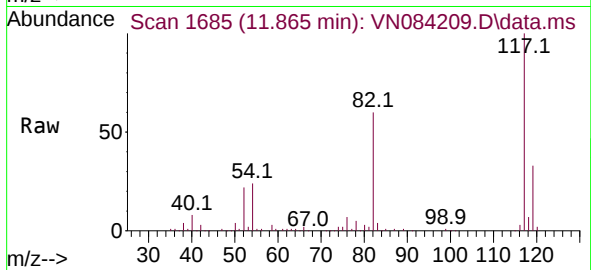




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN084209.D
Acq: 27 Sep 2024 17:30

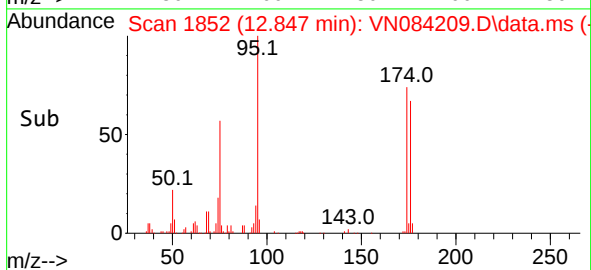
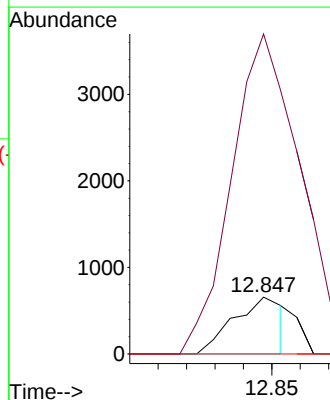
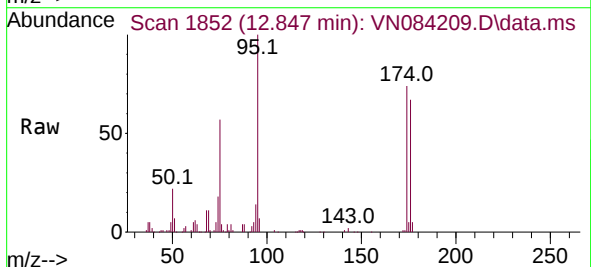
Instrument :
MSVOA_N
ClientSampleId :

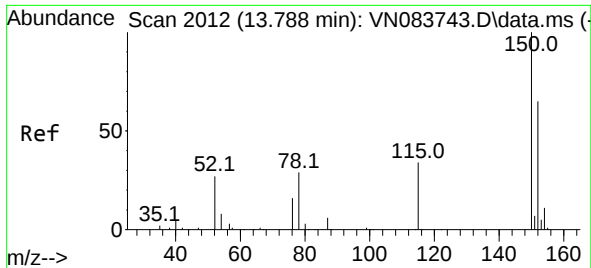
Tgt Ion:117 Resp: 253591
Ion Ratio Lower Upper
117 100
82 59.9 47.4 71.0
119 32.7 26.3 39.5



#71
Bromoform
Concen: 0.602 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN084209.D
Acq: 27 Sep 2024 17:30

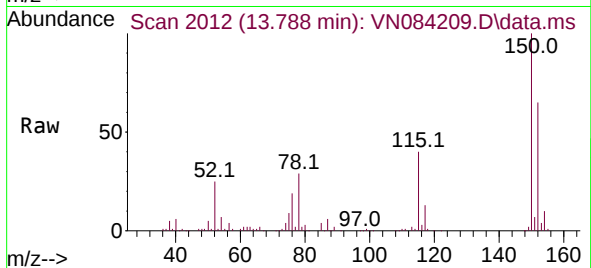
Tgt Ion:173 Resp: 792
Ion Ratio Lower Upper
173 100
175 579.2 24.1 72.2#
254 0.0 0.0 0.0



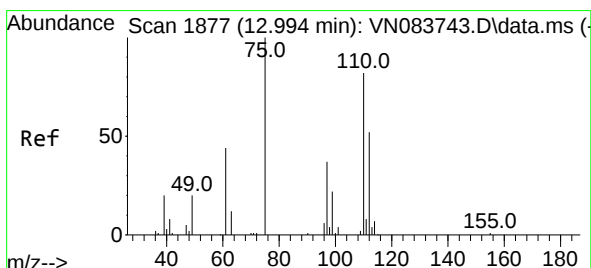
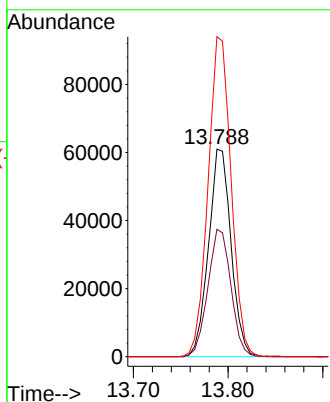
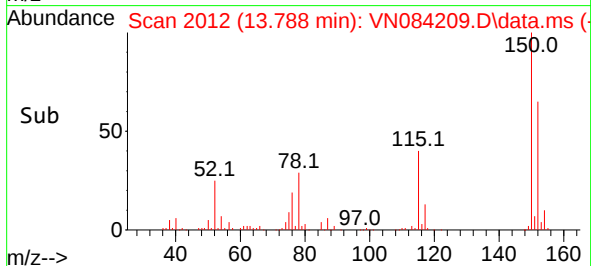


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084209.D
Acq: 27 Sep 2024 17:30

Instrument :
MSVOA_N
ClientSampleId :

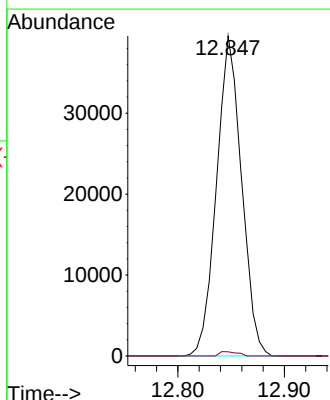
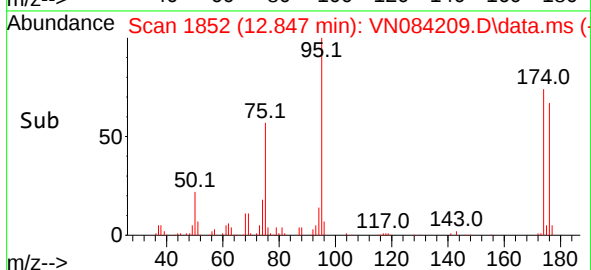
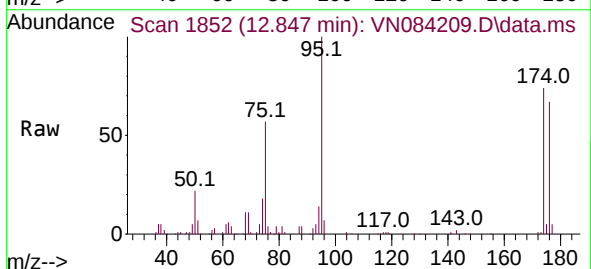


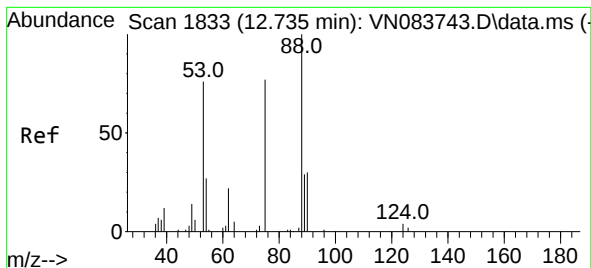
Tgt Ion:152 Resp: 100940
Ion Ratio Lower Upper
152 100
115 62.6 32.2 96.6
150 157.6 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 31.665 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN084209.D
Acq: 27 Sep 2024 17:30

Tgt Ion: 75 Resp: 64495
Ion Ratio Lower Upper
75 100
77 1.0 95.2 285.6#

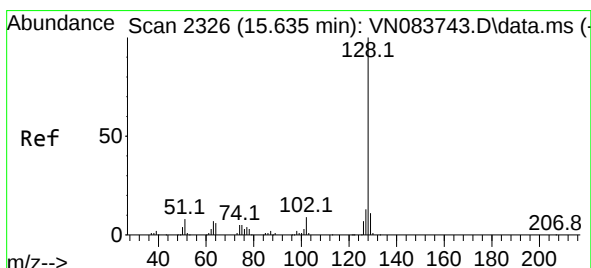
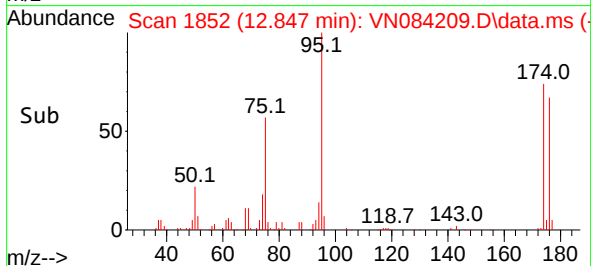
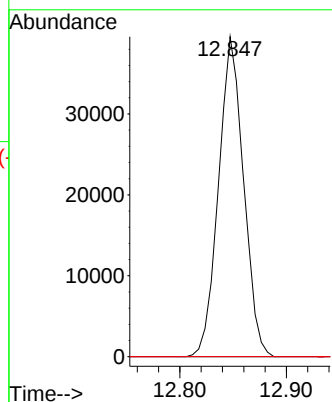
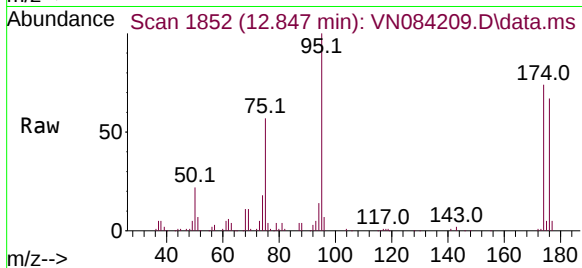




#81
trans-1,4-Dichloro-2-butene
Concen: 82.934 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084209.D
Acq: 27 Sep 2024 17:30

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 64495
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#



#95
Naphthalene
Concen: 1.886 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN084209.D
Acq: 27 Sep 2024 17:30

Tgt Ion:128 Resp: 10543
Ion Ratio Lower Upper
128 100
127 13.4 10.2 15.2
129 10.7 8.7 13.1

