

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091024\
 Data File : VN083784.D
 Acq On : 11 Sep 2024 10:02
 Operator : JC\MD
 Sample : P3892-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ARS20-005

Quant Time: Sep 11 16:22:52 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)

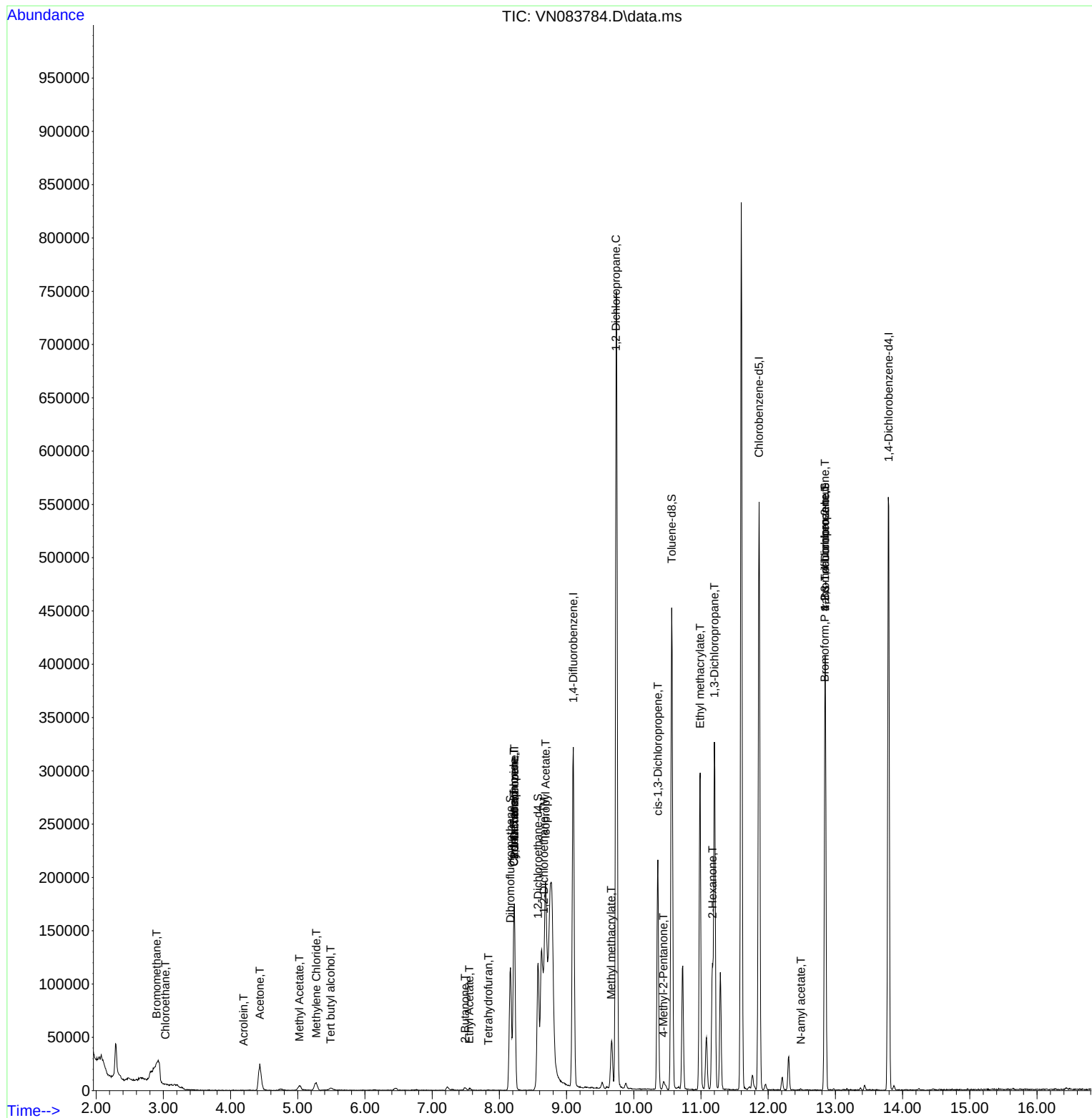
Internal Standards						
1) Pentafluorobenzene	8.224	168	119507	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	260005	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	292488	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	142853	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	102024	56.617	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.240%			
35) Dibromofluoromethane	8.165	113	80831	48.561	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.120%			
50) Toluene-d8	10.565	98	302044	52.490	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.980%			
62) 4-Bromofluorobenzene	12.847	95	138265	58.239	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 116.480%			
Target Compounds					Qvalue	
3) Chloromethane	2.365	50	697	Below Cal	#	41
5) Bromomethane	2.901	94	197	0.226	ug/l	99
6) Chloroethane	3.030	64	746	0.699	ug/l #	45
11) Tert butyl alcohol	5.489	59	2283	9.461	ug/l #	71
13) Acrolein	4.195	56	54	0.227	ug/l #	13
16) Acetone	4.436	43	43095	59.657	ug/l	99
18) Methyl Acetate	5.024	43	5410	1.806	ug/l #	77
20) Methylene Chloride	5.277	84	5568	3.767	ug/l	94
25) 2-Butanone	7.488	43	4188	4.411	ug/l	93
29) Tetrahydrofuran	7.835	42	205	0.365	ug/l #	32
31) Cyclohexane	8.218	56	3239	1.244	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	11572	4.619	ug/l #	50
37) Ethyl Acetate	7.553	43	2796	1.229	ug/l #	79
38) Carbon Tetrachloride	8.218	117	13369	4.704	ug/l #	16
42) 1,2-Dichloroethane	8.665	62	569	0.202	ug/l #	77
43) Isopropyl Acetate	8.688	43	272712	66.176	ug/l #	72
45) 1,2-Dichloropropane	9.735	63	918	0.504	ug/l #	42
48) Methyl methacrylate	9.665	41	3307	1.691	ug/l #	46
51) 4-Methyl-2-Pentanone	10.441	43	8632	3.848	ug/l #	69
54) cis-1,3-Dichloropropene	10.359	75	37078	12.605	ug/l #	61
56) Ethyl methacrylate	10.988	69	847	0.320	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	3149	1.064	ug/l #	42
59) 2-Hexanone	11.171	43	139996	84.366	ug/l #	24
71) Bromoform	12.841	173	501	0.330	ug/l #	1
74) N-amyl acetate	12.488	43	946	0.201	ug/l #	43
76) 1,2,3-Trichloropropane	12.847	75	77777	26.983	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	77777	70.669	ug/l #	9

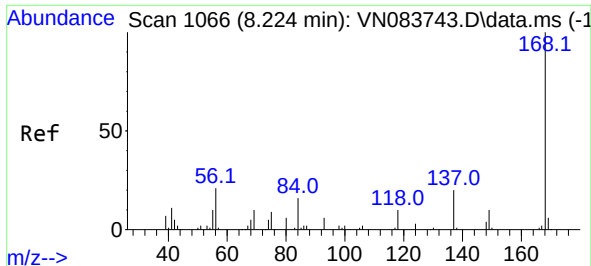
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091024\
Data File : VN083784.D
Acq On : 11 Sep 2024 10:02
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ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ARS20-005

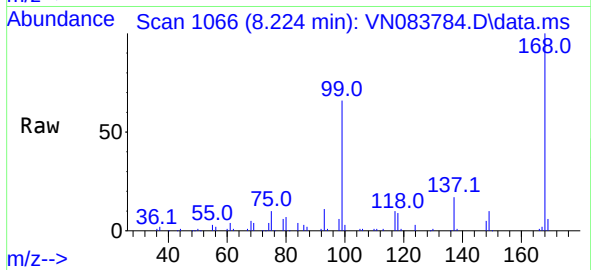
Quant Time: Sep 11 16:22:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
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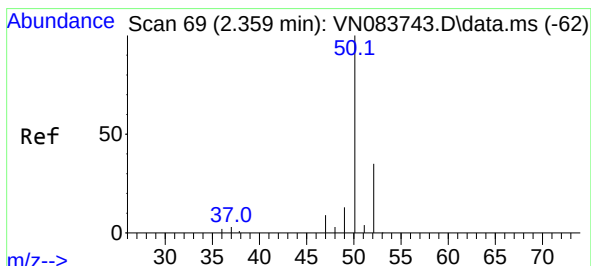
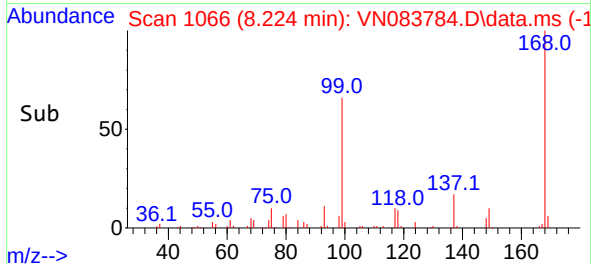
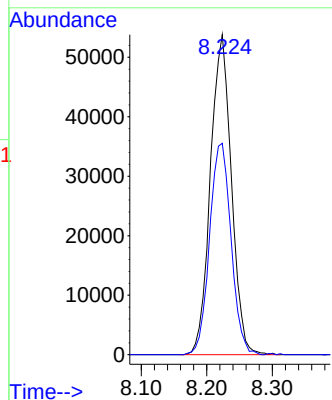


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN083784.D
Acq: 11 Sep 2024 10:02

Instrument :
MSVOA_N
ClientSampleId :
ARS20-005

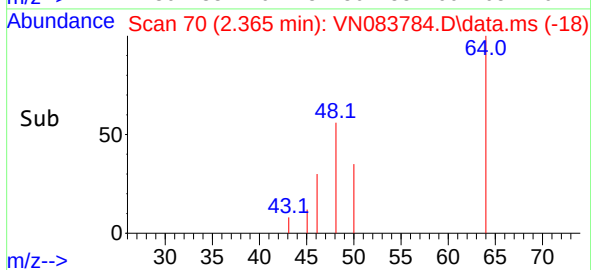
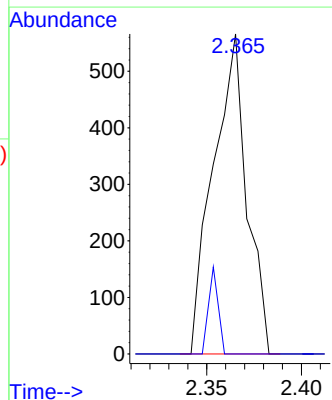
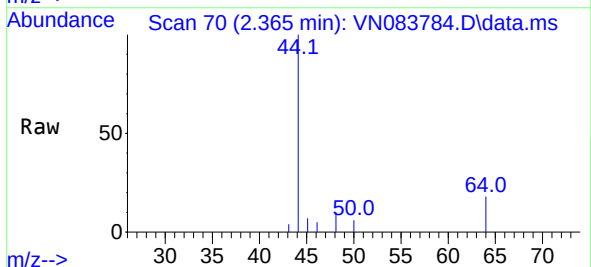


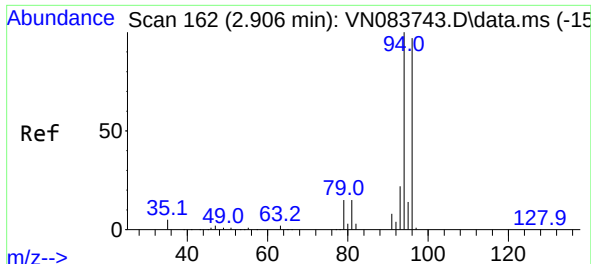
Tgt Ion:168 Resp: 119507
Ion Ratio Lower Upper
168 100
99 66.0 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN083784.D
Acq: 11 Sep 2024 10:02

Tgt Ion: 50 Resp: 697
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#

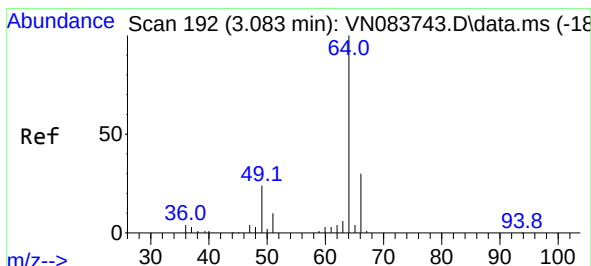
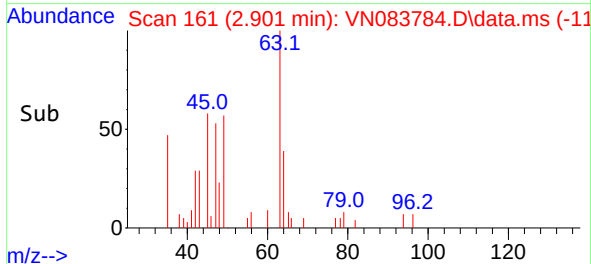
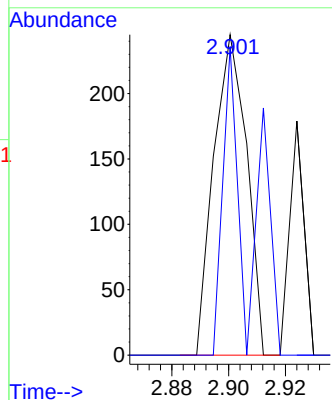
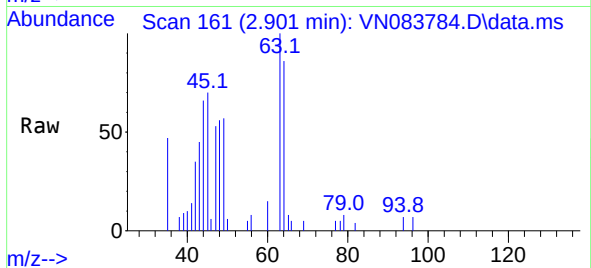




#5
Bromomethane
Concen: 0.226 ug/l
RT: 2.901 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN083784.D
Acq: 11 Sep 2024 10:02

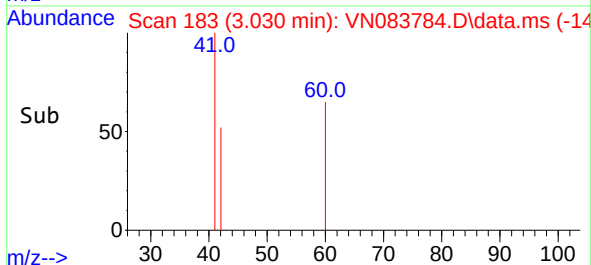
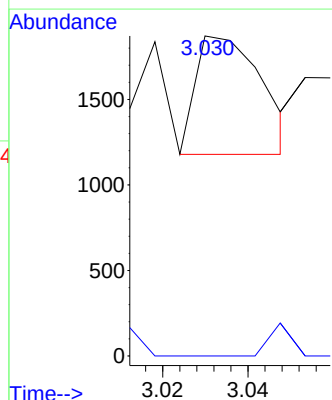
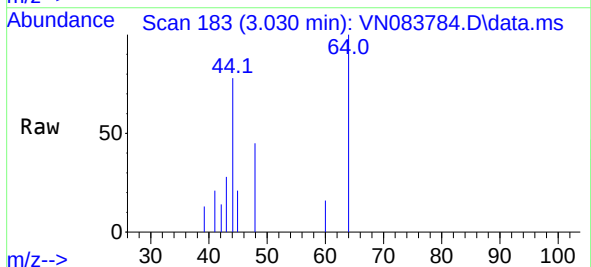
Instrument :
MSVOA_N
ClientSampleId :
ARS20-005

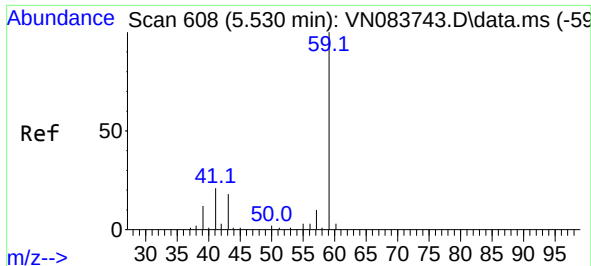
Tgt Ion: 94 Resp: 197
Ion Ratio Lower Upper
94 100
96 96.3 76.0 114.0



#6
Chloroethane
Concen: 0.699 ug/l
RT: 3.030 min Scan# 183
Delta R.T. -0.053 min
Lab File: VN083784.D
Acq: 11 Sep 2024 10:02

Tgt Ion: 64 Resp: 746
Ion Ratio Lower Upper
64 100
66 0.0 23.9 35.9#

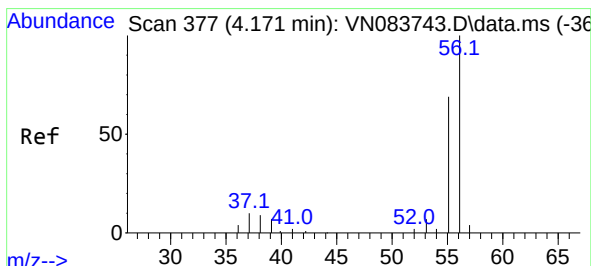
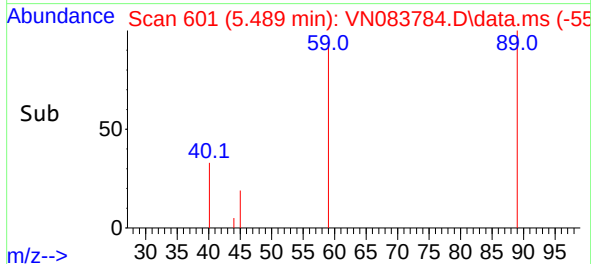
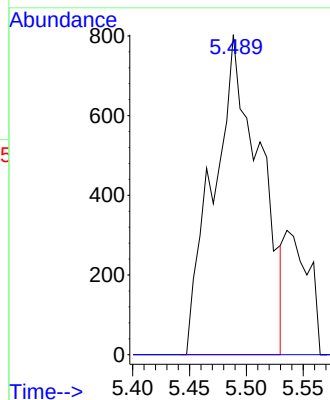
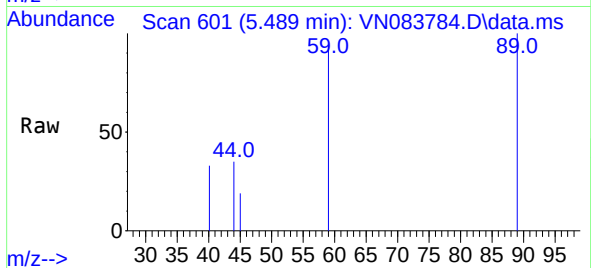




#11
Tert butyl alcohol
Concen: 9.461 ug/l
RT: 5.489 min Scan# 608
Delta R.T. -0.041 min
Lab File: VN083784.D
Acq: 11 Sep 2024 10:02

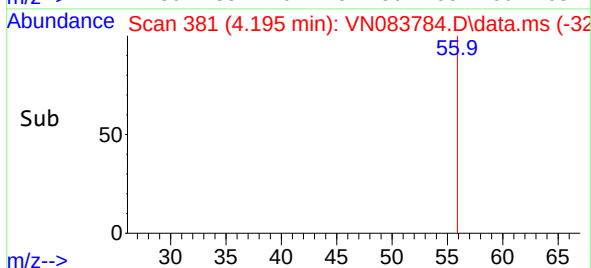
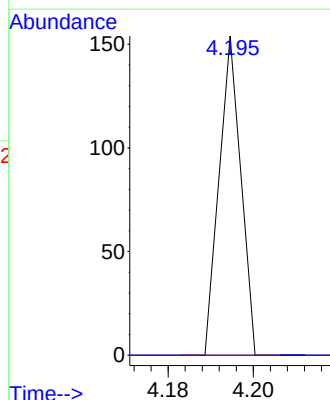
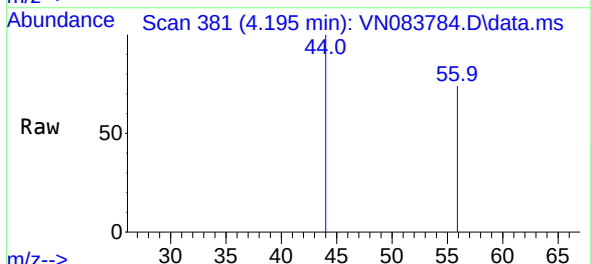
Instrument :
MSVOA_N
ClientSampleId :
ARS20-005

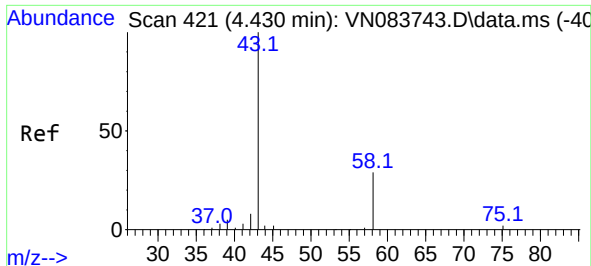
Tgt Ion: 59 Resp: 2283
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#13
Acrolein
Concen: 0.227 ug/l
RT: 4.195 min Scan# 381
Delta R.T. 0.023 min
Lab File: VN083784.D
Acq: 11 Sep 2024 10:02

Tgt Ion: 56 Resp: 54
Ion Ratio Lower Upper
56 100
55 0.0 58.2 87.2#

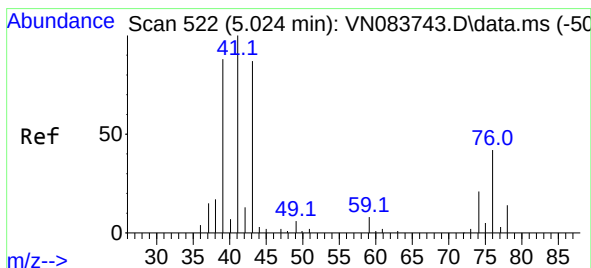
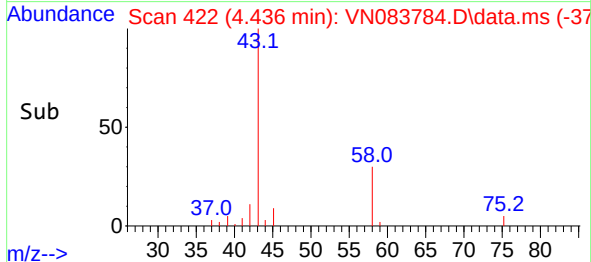
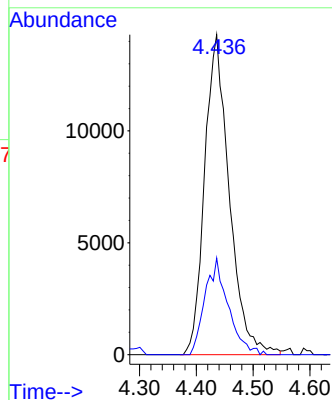
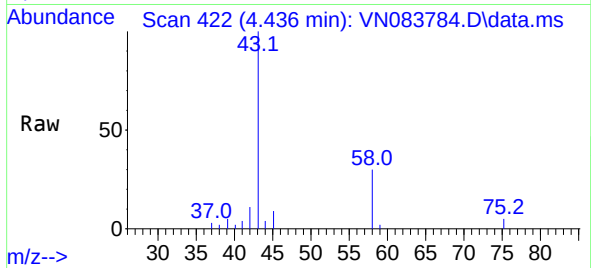




#16
Acetone
Concen: 59.657 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN083784.D
Acq: 11 Sep 2024 10:02

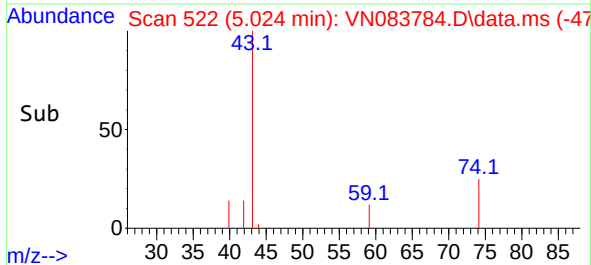
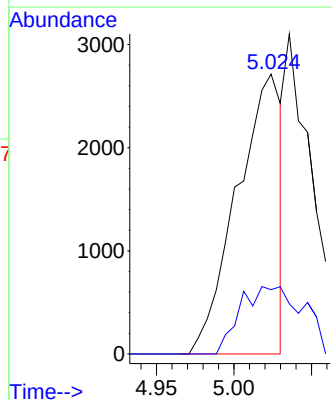
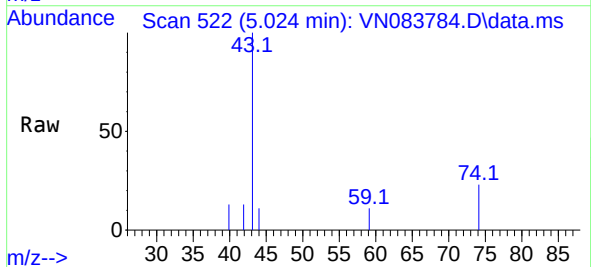
Instrument :
MSVOA_N
ClientSampleId :
ARS20-005

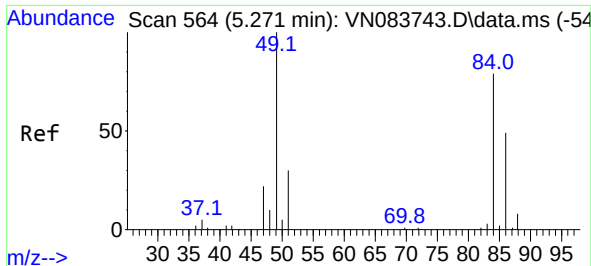
Tgt Ion: 43 Resp: 43095
Ion Ratio Lower Upper
43 100
58 30.2 23.7 35.5



#18
Methyl Acetate
Concen: 1.806 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.000 min
Lab File: VN083784.D
Acq: 11 Sep 2024 10:02

Tgt Ion: 43 Resp: 5410
Ion Ratio Lower Upper
43 100
74 35.2 19.0 28.4#



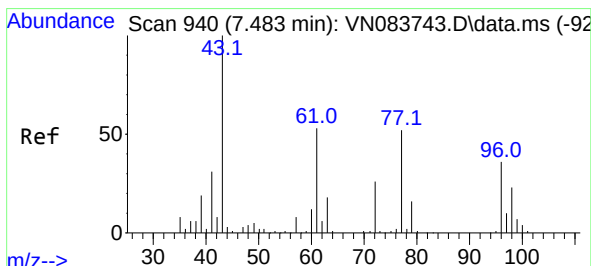
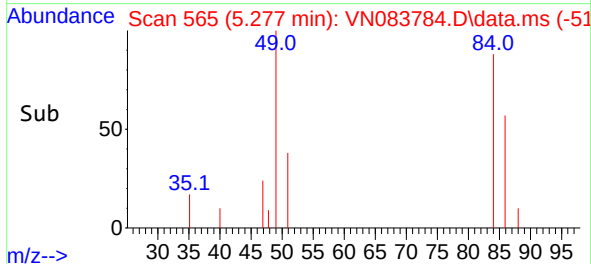
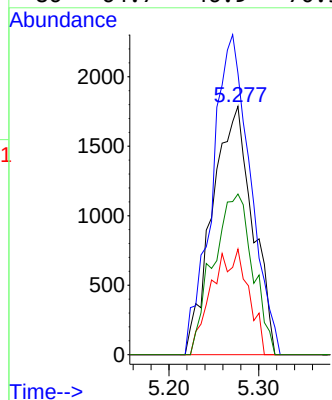
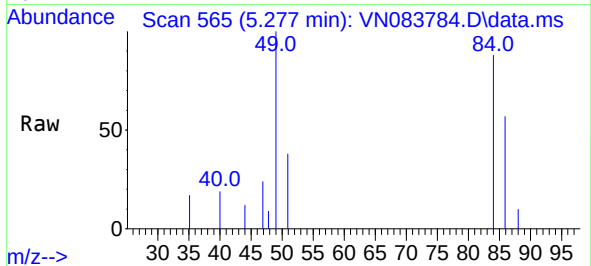


#20
Methylene Chloride
Concen: 3.767 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN083784.D
Acq: 11 Sep 2024 10:02

Instrument :
MSVOA_N
ClientSampleId :
ARS20-005

Tgt Ion: 84 Resp: 5568

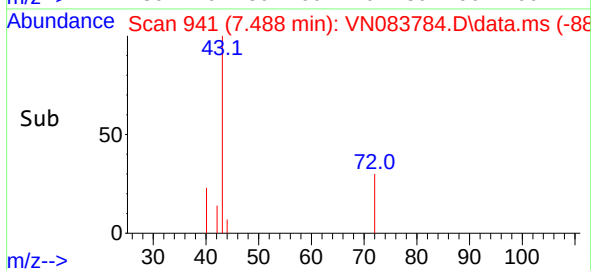
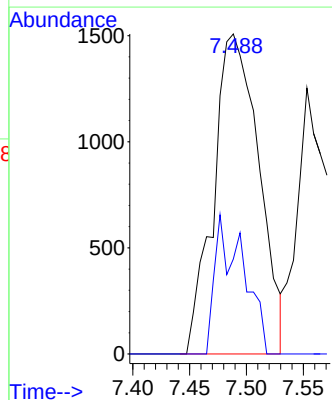
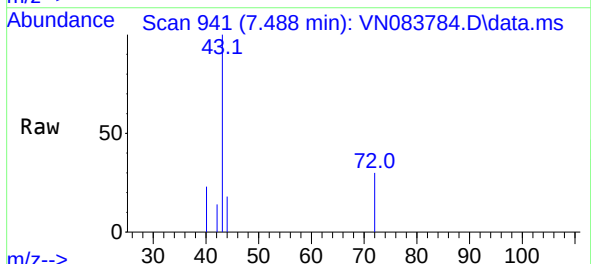
Ion	Ratio	Lower	Upper
84	100		
49	113.3	93.4	140.0
51	42.5	29.2	43.8
86	64.7	46.9	70.3

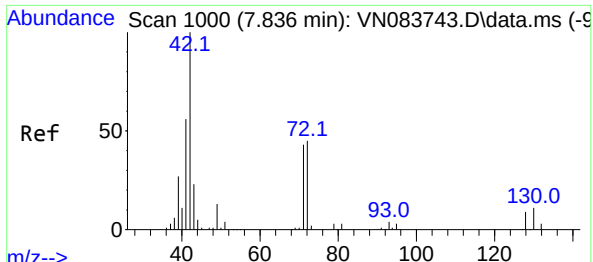


#25
2-Butanone
Concen: 4.411 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN083784.D
Acq: 11 Sep 2024 10:02

Tgt Ion: 43 Resp: 4188

Ion	Ratio	Lower	Upper
43	100		
72	29.6	20.8	31.2

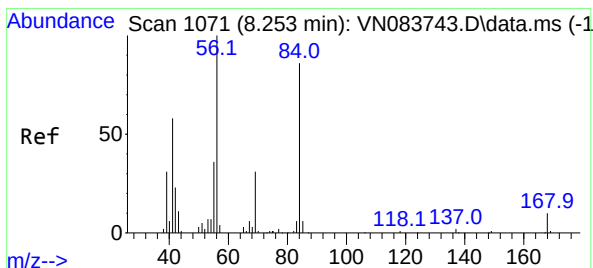
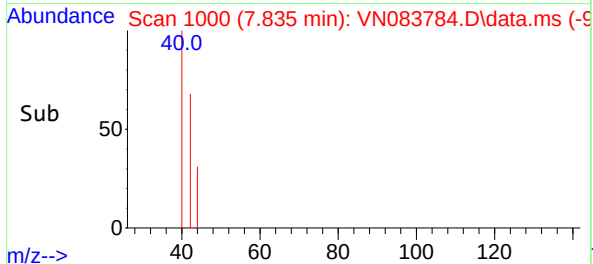
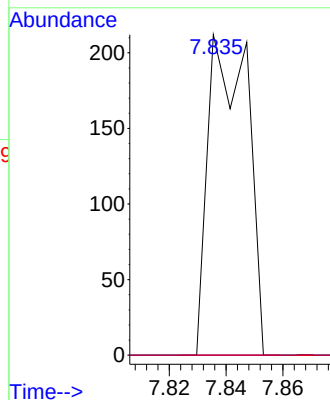
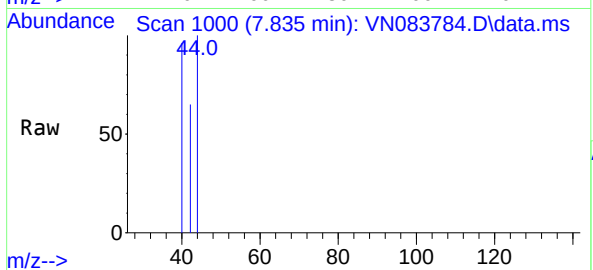




#29
Tetrahydrofuran
Concen: 0.365 ug/l
RT: 7.835 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN083784.D
Acq: 11 Sep 2024 10:02

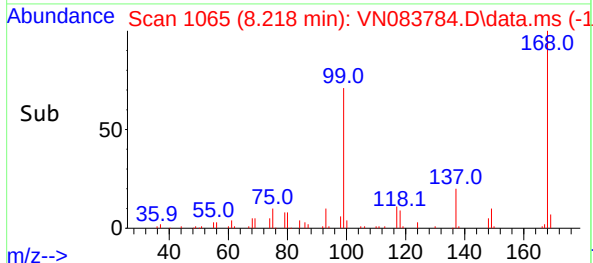
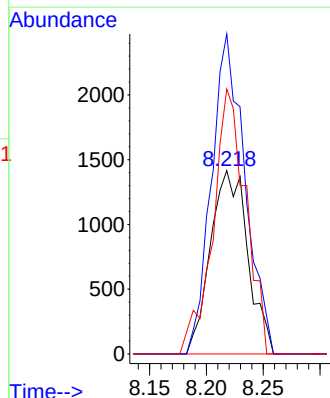
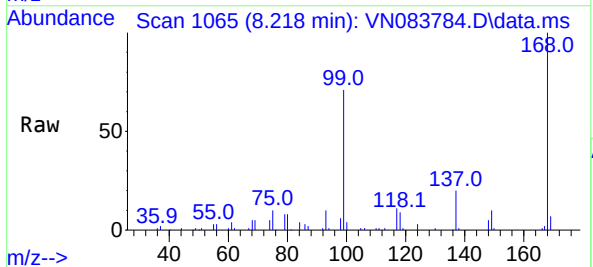
Instrument :
MSVOA_N
ClientSampleId :
ARS20-005

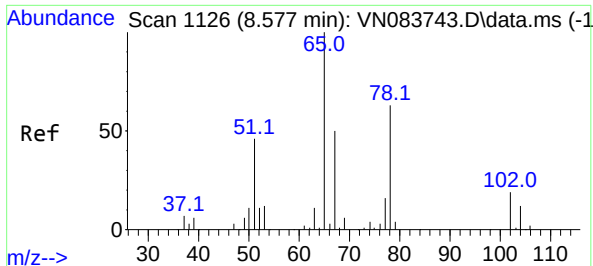
Tgt Ion:	42	Resp:	205
Ion	Ratio	Lower	Upper
42	100		
72	0.0	35.9	53.9#
71	0.0	33.9	50.9#



#31
Cyclohexane
Concen: 1.244 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN083784.D
Acq: 11 Sep 2024 10:02

Tgt Ion:	56	Resp:	3239
Ion	Ratio	Lower	Upper
56	100		
69	174.5	26.9	40.3#
84	144.5	69.2	103.8#

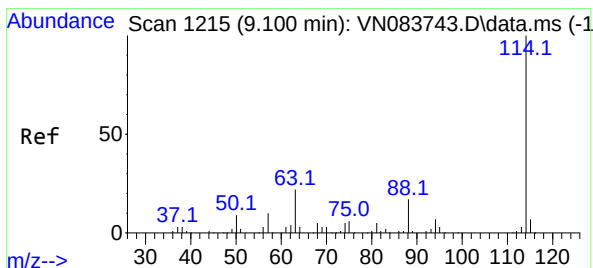
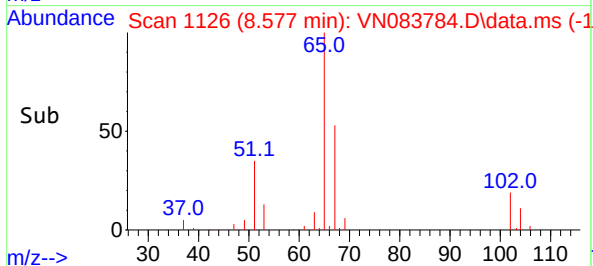
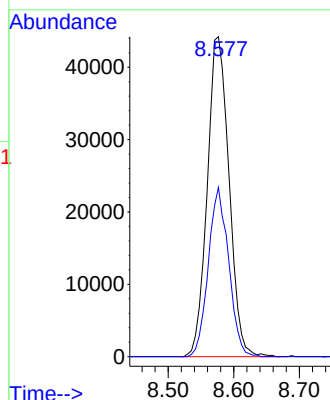
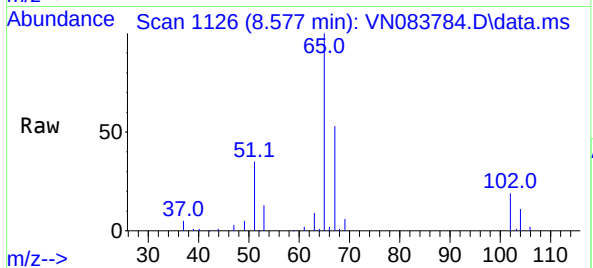




#33
1,2-Dichloroethane-d4
Concen: 56.617 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN083784.D
Acq: 11 Sep 2024 10:02

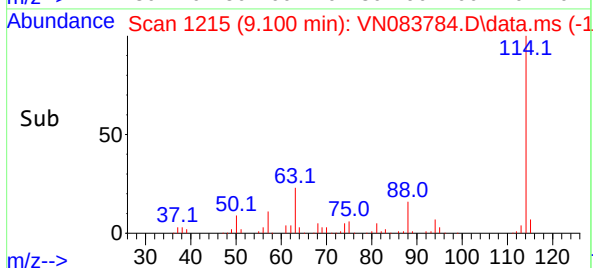
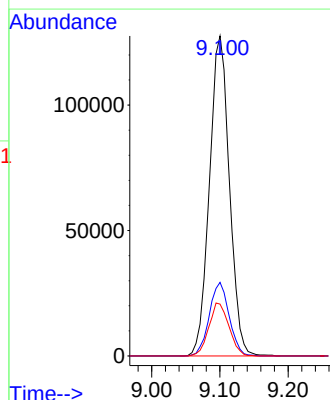
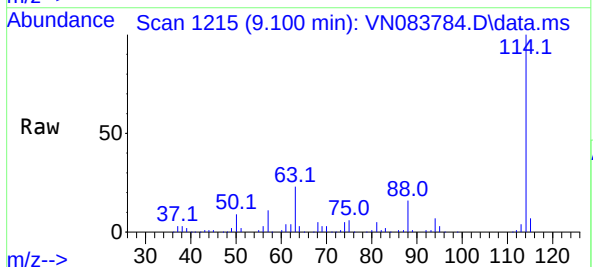
Instrument :
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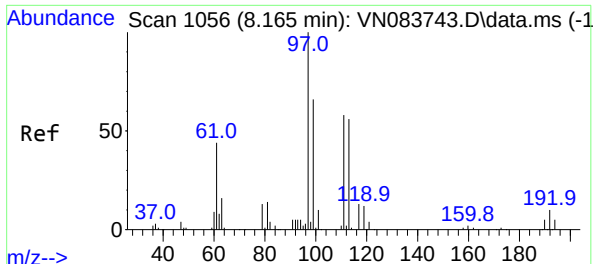
Tgt Ion: 65 Resp: 102024
Ion Ratio Lower Upper
65 100
67 49.4 0.0 100.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN083784.D
Acq: 11 Sep 2024 10:02

Tgt Ion: 114 Resp: 260005
Ion Ratio Lower Upper
114 100
63 23.0 0.0 43.4
88 16.2 0.0 32.6

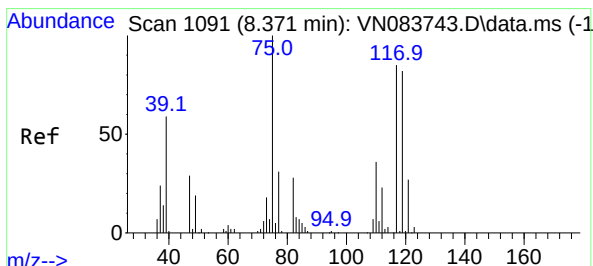
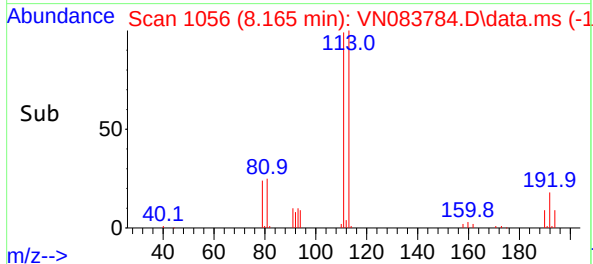
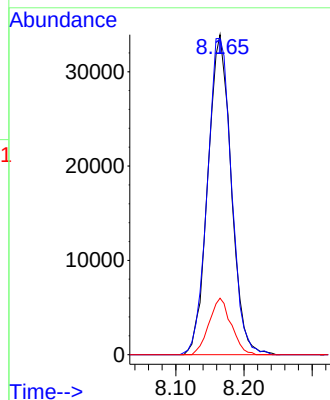
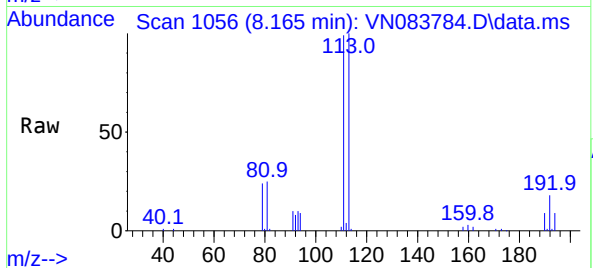




#35
Dibromofluoromethane
Concen: 48.561 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN083784.D
Acq: 11 Sep 2024 10:02

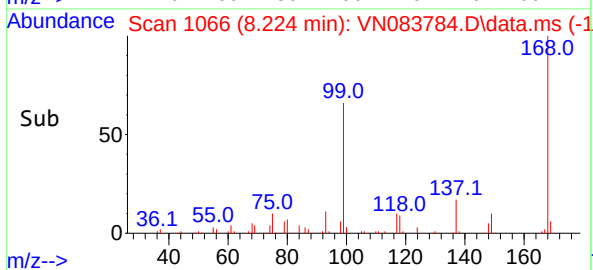
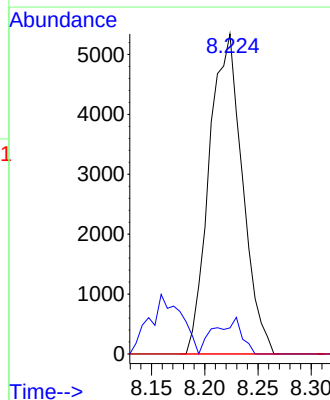
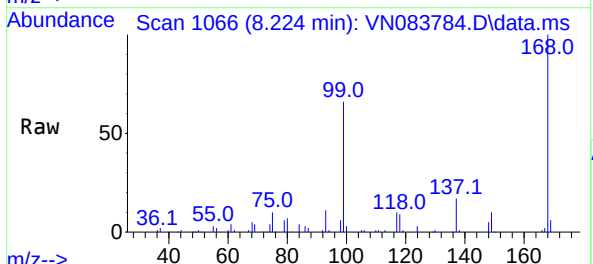
Instrument :
MSVOA_N
ClientSampleId :
ARS20-005

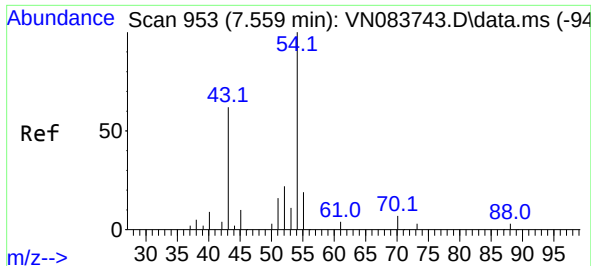
Tgt Ion:113 Resp: 80831
Ion Ratio Lower Upper
113 100
111 101.9 82.6 124.0
192 16.7 14.3 21.5



#36
1,1-Dichloropropene
Concen: 4.619 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN083784.D
Acq: 11 Sep 2024 10:02

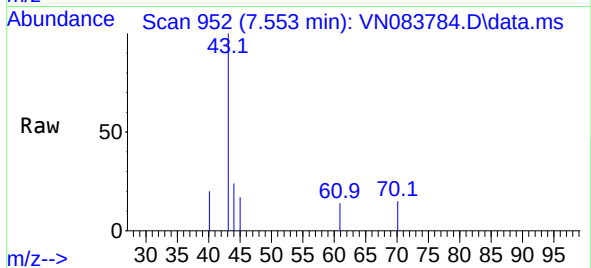
Tgt Ion: 75 Resp: 11572
Ion Ratio Lower Upper
75 100
110 9.2 16.7 50.1#
77 0.0 25.2 37.8#





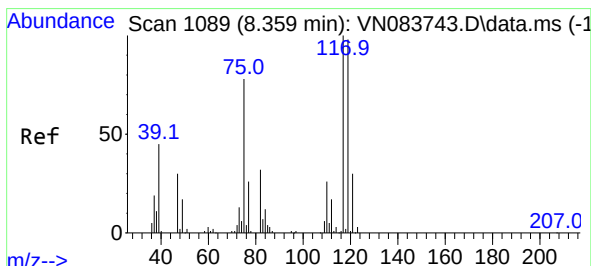
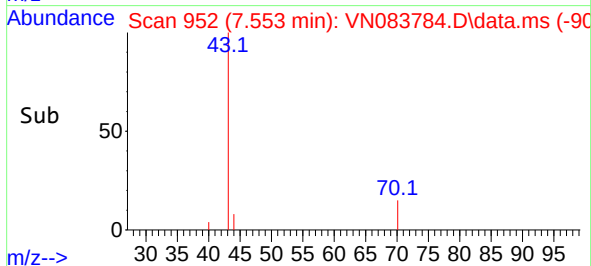
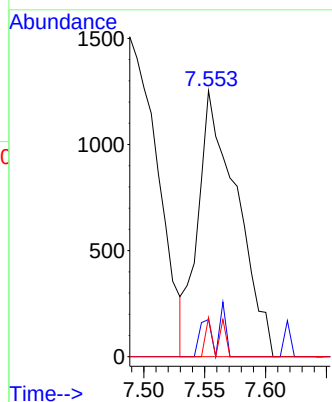
#37
Ethyl Acetate
Concen: 1.229 ug/l
RT: 7.553 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN083784.D
Acq: 11 Sep 2024 10:02

Instrument :
MSVOA_N
ClientSampleId :
ARS20-005



Tgt Ion: 43 Resp: 2796

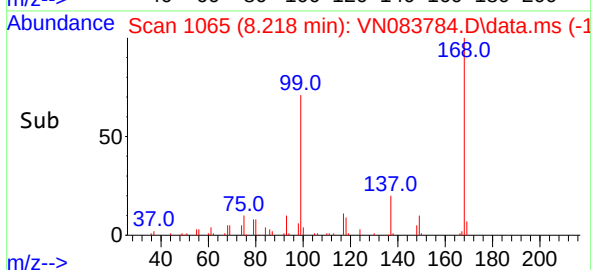
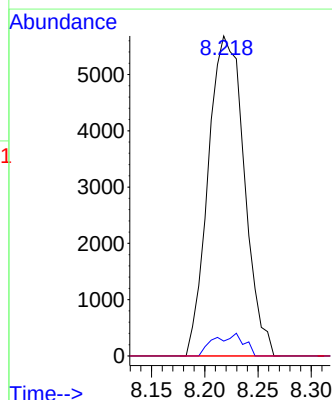
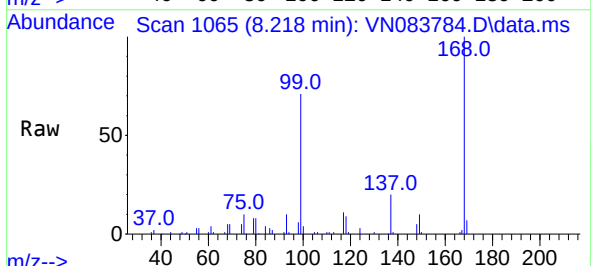
Ion	Ratio	Lower	Upper
43	100		
61	4.3	11.1	16.7#
70	4.5	8.8	13.2#

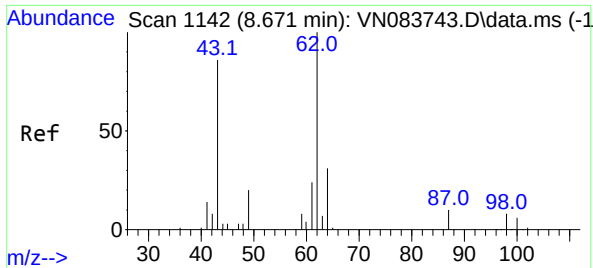


#38
Carbon Tetrachloride
Concen: 4.704 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN083784.D
Acq: 11 Sep 2024 10:02

Tgt Ion: 117 Resp: 13369

Ion	Ratio	Lower	Upper
117	100		
119	4.7	76.1	114.1#
121	0.0	24.1	36.1#

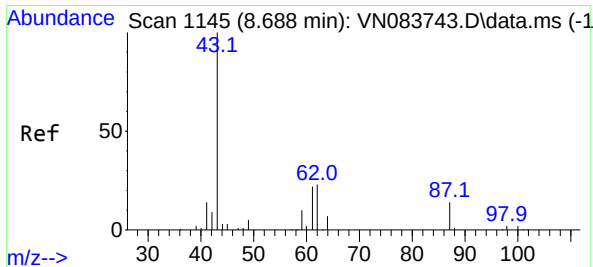
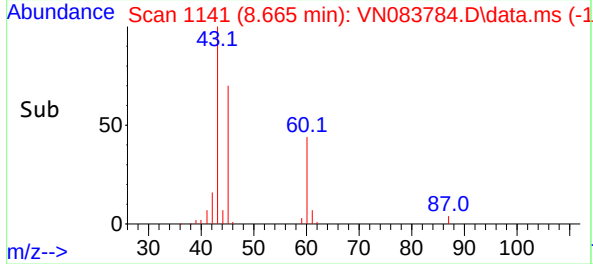
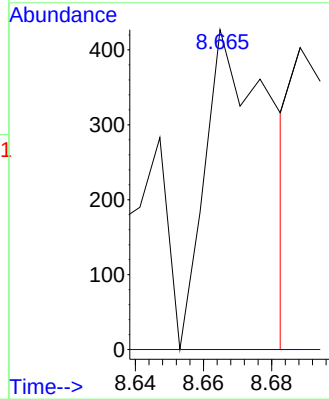
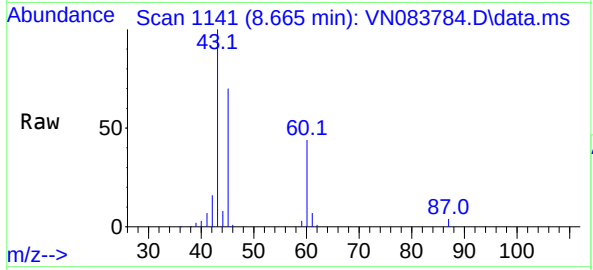




#42
1,2-Dichloroethane
Concen: 0.202 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN083784.D
Acq: 11 Sep 2024 10:02

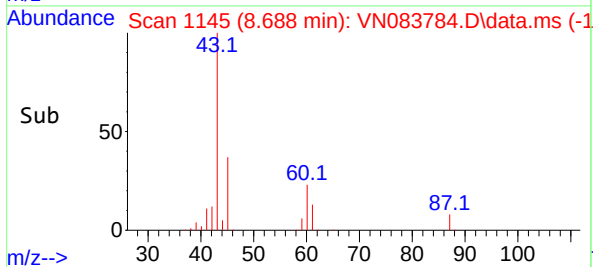
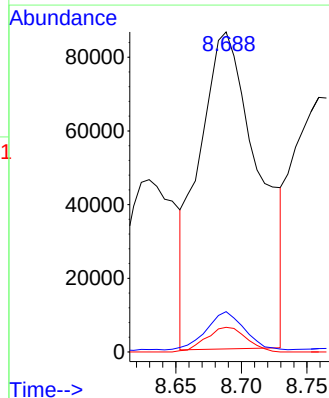
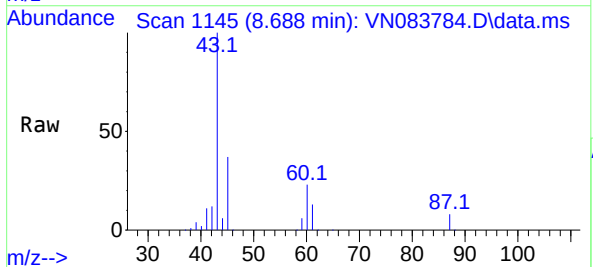
Instrument :
MSVOA_N
ClientSampleId :
ARS20-005

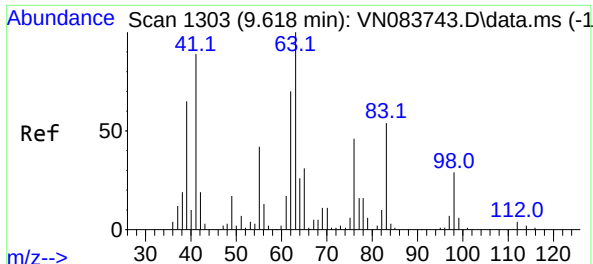
Tgt Ion: 62 Resp: 569
Ion Ratio Lower Upper
62 100
98 0.0 0.0 16.6



#43
Isopropyl Acetate
Concen: 66.176 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN083784.D
Acq: 11 Sep 2024 10:02

Tgt Ion: 43 Resp: 272712
Ion Ratio Lower Upper
43 100
61 7.9 19.4 29.0#
87 5.3 9.8 14.6#

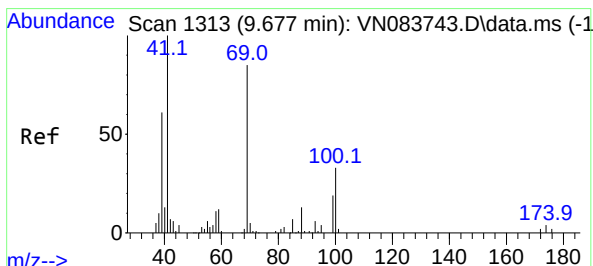
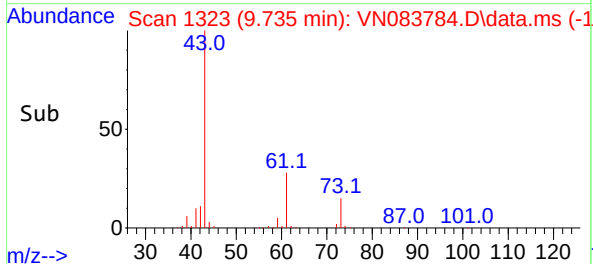
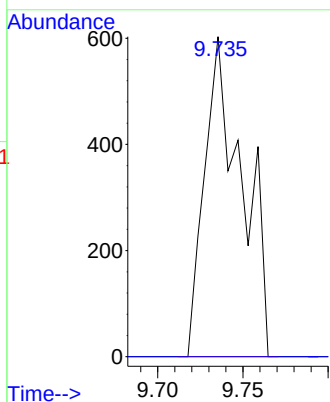
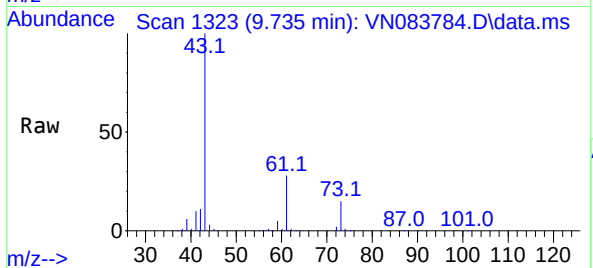




#45
1,2-Dichloropropane
Concen: 0.504 ug/l
RT: 9.735 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN083784.D
Acq: 11 Sep 2024 10:02

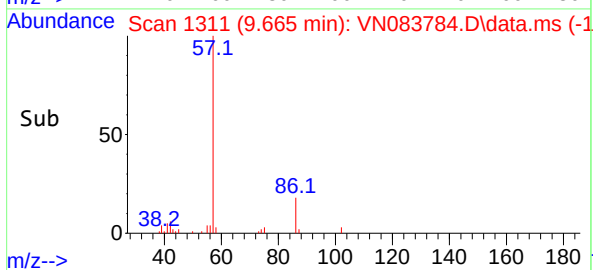
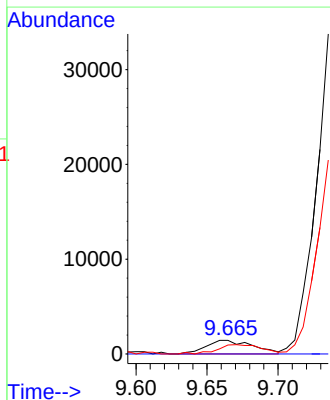
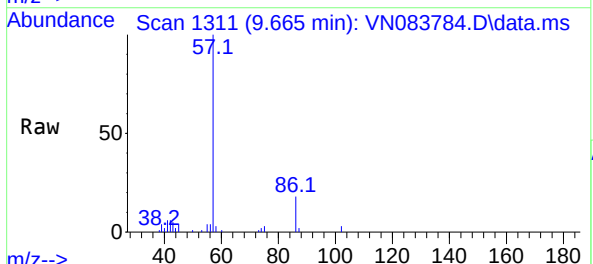
Instrument :
MSVOA_N
ClientSampleId :
ARS20-005

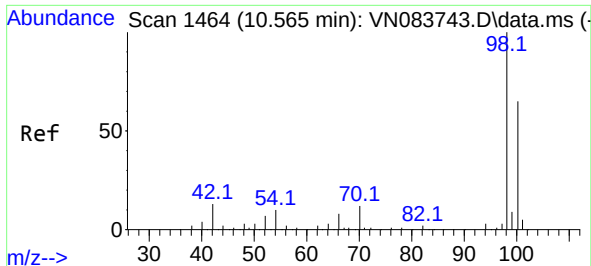
Tgt Ion: 63 Resp: 918
Ion Ratio Lower Upper
63 100
65 0.0 25.9 38.9#



#48
Methyl methacrylate
Concen: 1.691 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.012 min
Lab File: VN083784.D
Acq: 11 Sep 2024 10:02

Tgt Ion: 41 Resp: 3307
Ion Ratio Lower Upper
41 100
69 0.0 64.3 96.5#
39 64.6 48.9 73.3

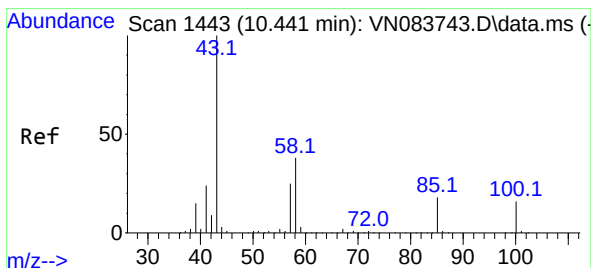
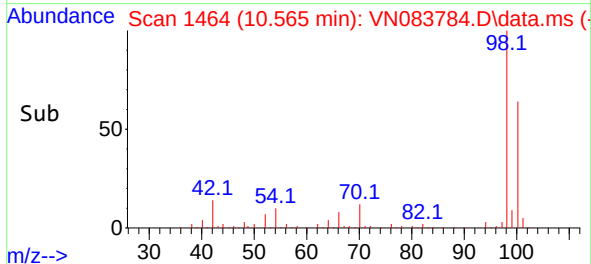
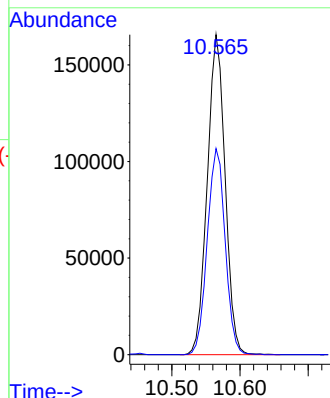
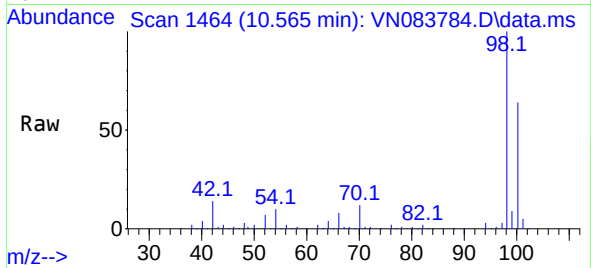




#50
Toluene-d8
Concen: 52.490 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083784.D
Acq: 11 Sep 2024 10:02

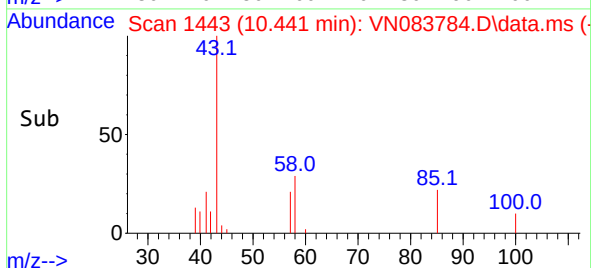
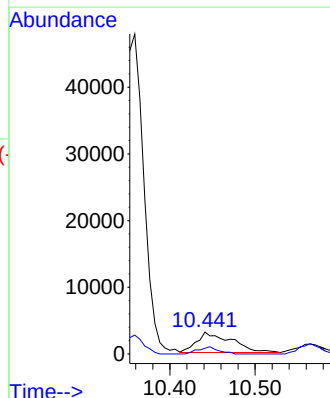
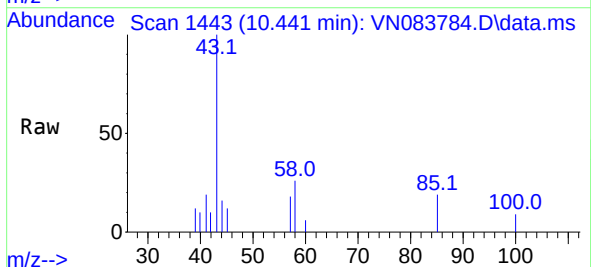
Instrument :
MSVOA_N
ClientSampleId :
ARS20-005

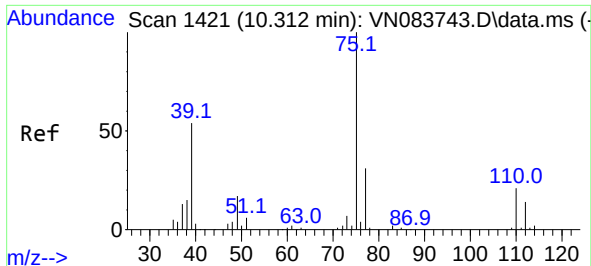
Tgt Ion: 98 Resp: 302044
Ion Ratio Lower Upper
98 100
100 64.7 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 3.848 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN083784.D
Acq: 11 Sep 2024 10:02

Tgt Ion: 43 Resp: 8632
Ion Ratio Lower Upper
43 100
58 20.4 31.6 47.4#

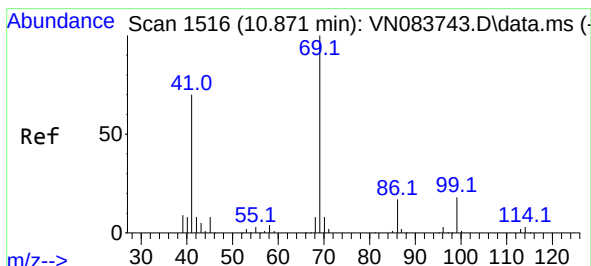
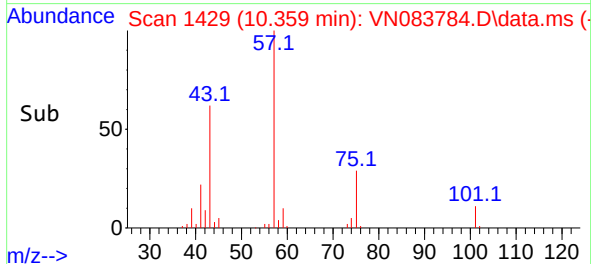
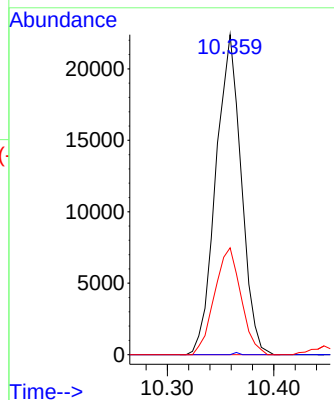
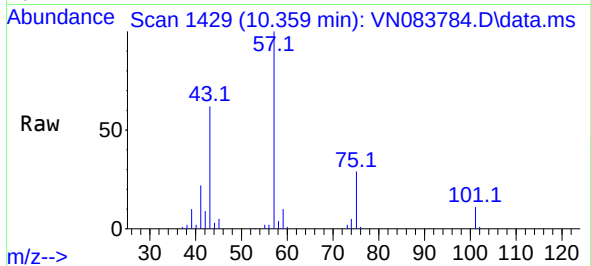




#54
cis-1,3-Dichloropropene
Concen: 12.605 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN083784.D
Acq: 11 Sep 2024 10:02

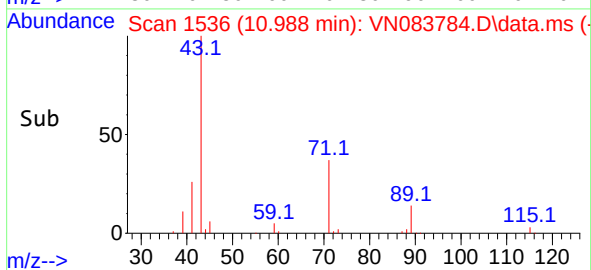
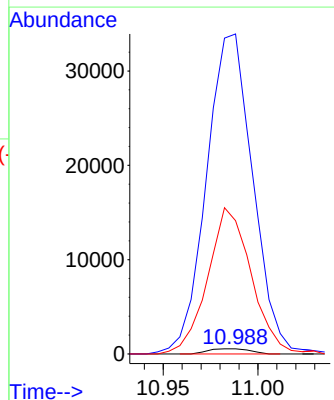
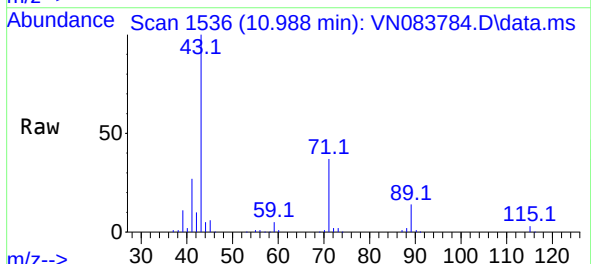
Instrument :
MSVOA_N
ClientSampleId :
ARS20-005

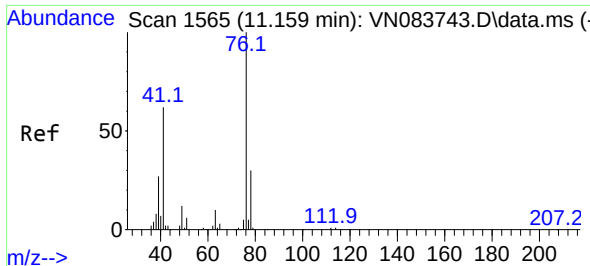
Tgt Ion: 75 Resp: 37078
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.6#
39 33.4 42.6 64.0#



#56
Ethyl methacrylate
Concen: 0.320 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.118 min
Lab File: VN083784.D
Acq: 11 Sep 2024 10:02

Tgt Ion: 69 Resp: 847
Ion Ratio Lower Upper
69 100
41 6851.8 53.9 80.9#
39 2950.9 32.6 48.8#





#57

1,3-Dichloropropane

Concen: 1.064 ug/l

RT: 11.200 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN083784.D

Acq: 11 Sep 2024 10:02

Instrument :

MSVOA_N

ClientSampleId :

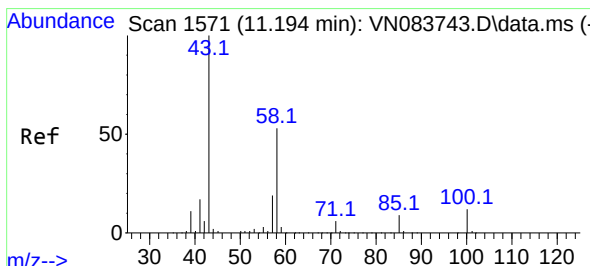
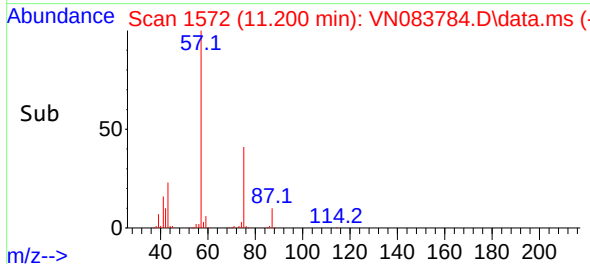
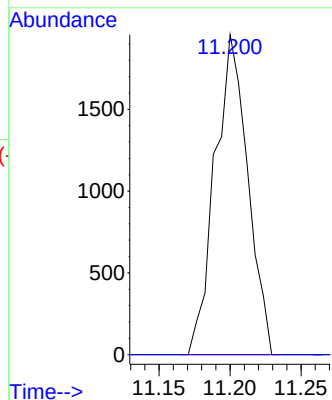
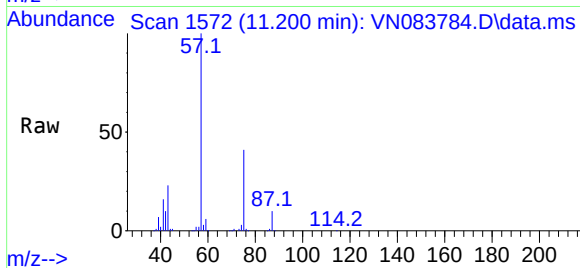
ARS20-005

Tgt Ion: 76 Resp: 3149

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 84.366 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.024 min

Lab File: VN083784.D

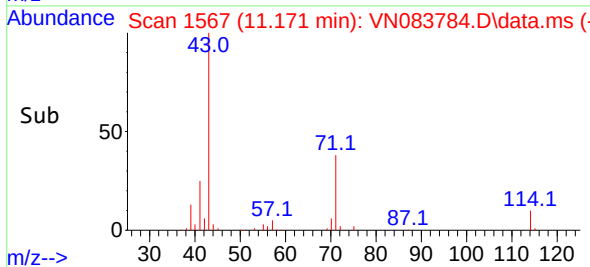
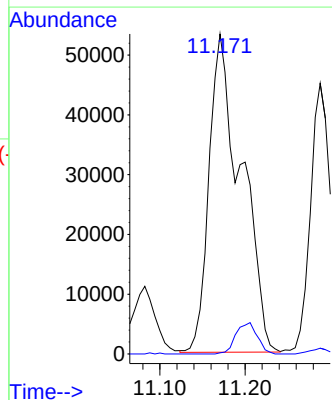
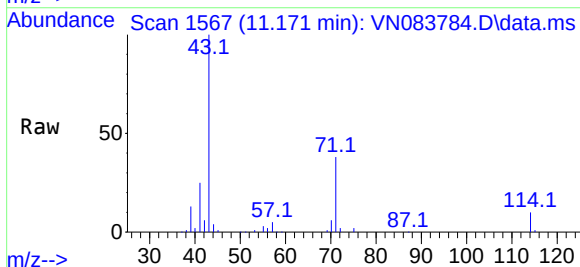
Acq: 11 Sep 2024 10:02

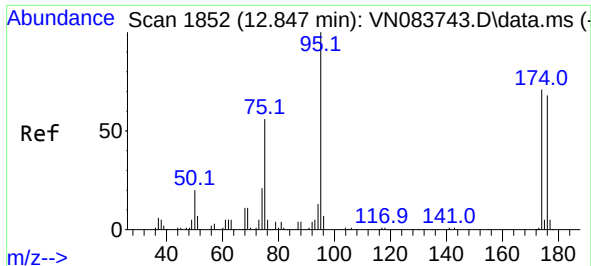
Tgt Ion: 43 Resp: 139996

Ion Ratio Lower Upper

43 100

58 0.0 27.2 81.5#

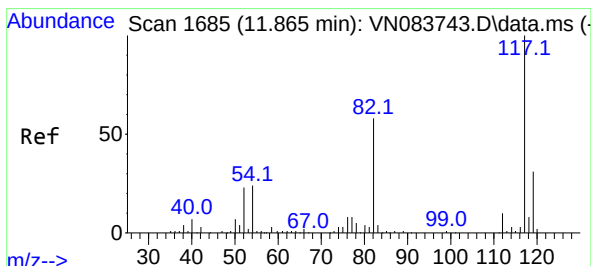
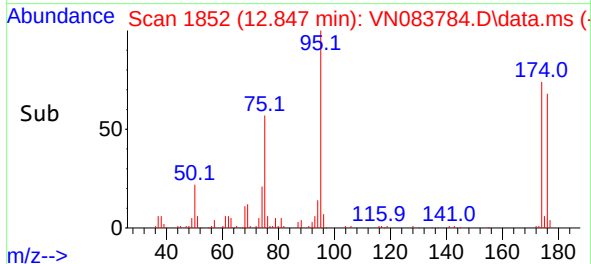
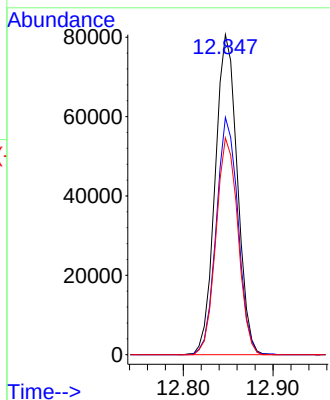
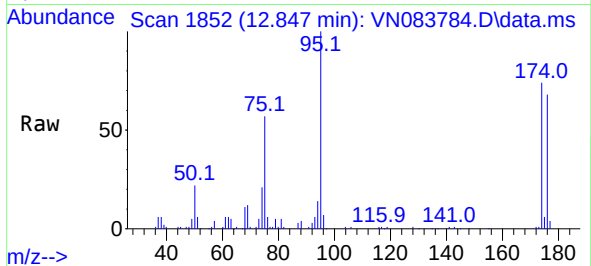




#62
4-Bromofluorobenzene
Concen: 58.239 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083784.D
Acq: 11 Sep 2024 10:02

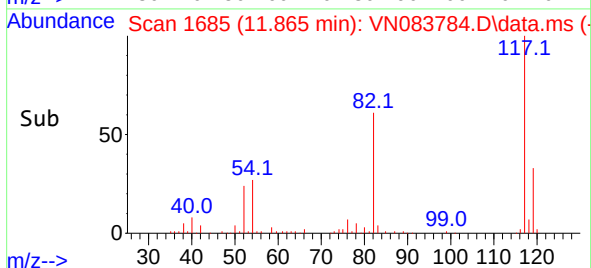
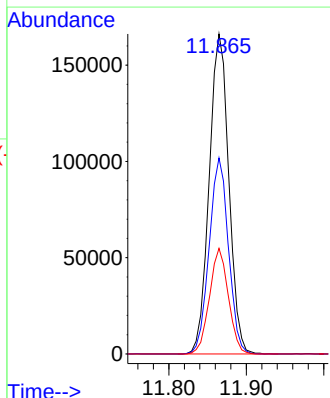
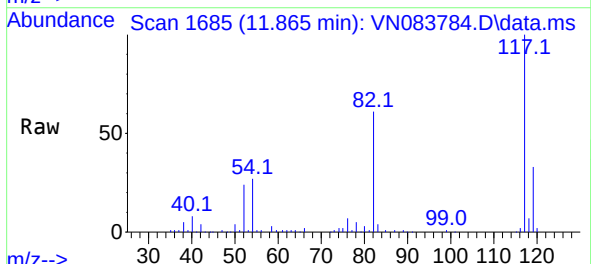
Instrument :
MSVOA_N
ClientSampleId :
ARS20-005

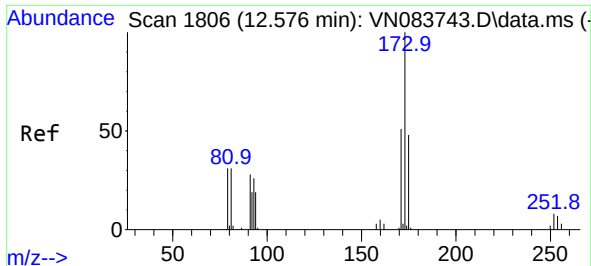
Tgt Ion: 95 Resp: 138265
Ion Ratio Lower Upper
95 100
174 72.9 0.0 139.8
176 66.9 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN083784.D
Acq: 11 Sep 2024 10:02

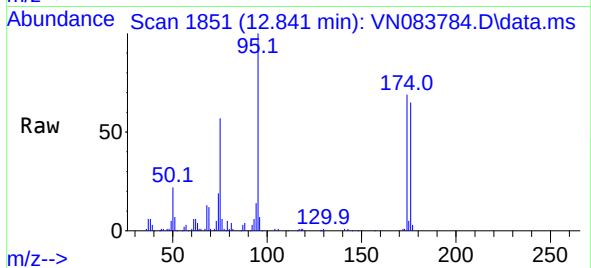
Tgt Ion: 117 Resp: 292488
Ion Ratio Lower Upper
117 100
82 61.3 47.4 71.0
119 33.0 26.3 39.5



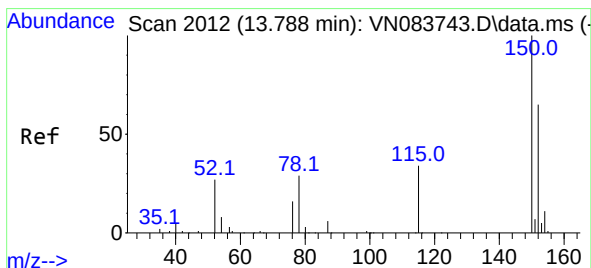
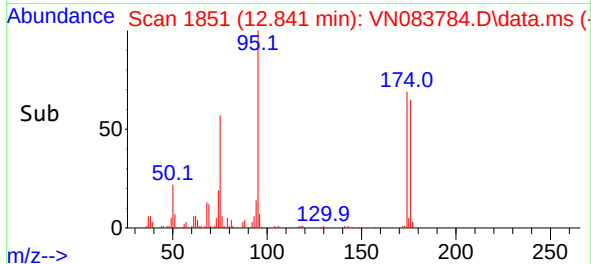
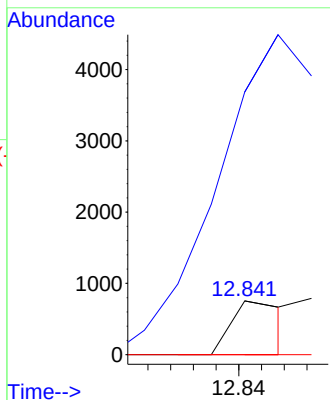


#71
Bromoform
Concen: 0.330 ug/l
RT: 12.841 min Scan# 1806
Delta R.T. 0.265 min
Lab File: VN083784.D
Acq: 11 Sep 2024 10:02

Instrument :
MSVOA_N
ClientSampleId :
ARS20-005

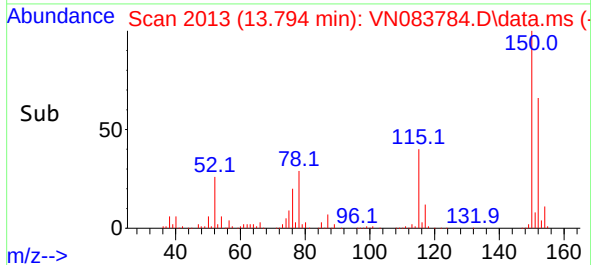
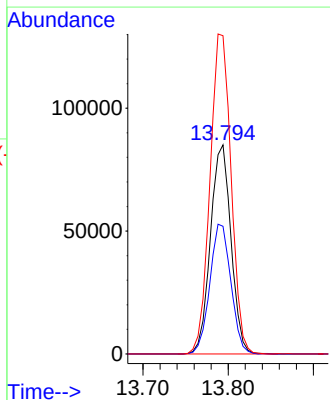
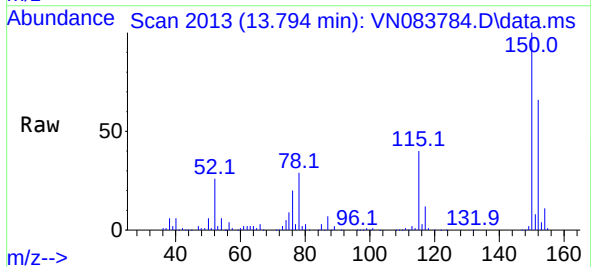


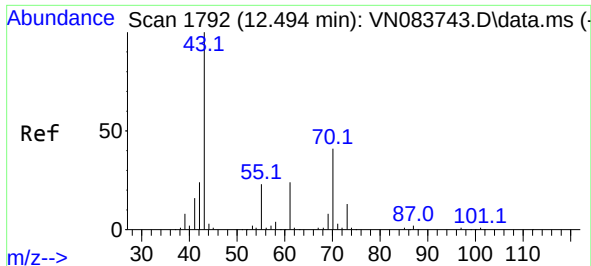
Tgt Ion:173 Resp: 501
Ion Ratio Lower Upper
173 100
175 1094.6 24.1 72.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN083784.D
Acq: 11 Sep 2024 10:02

Tgt Ion:152 Resp: 142853
Ion Ratio Lower Upper
152 100
115 63.5 32.2 96.6
150 156.6 0.0 348.6

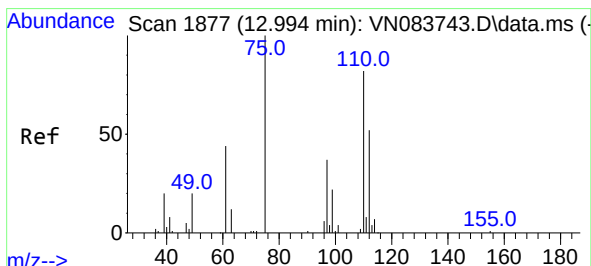
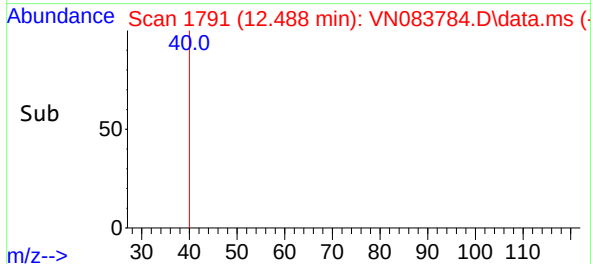
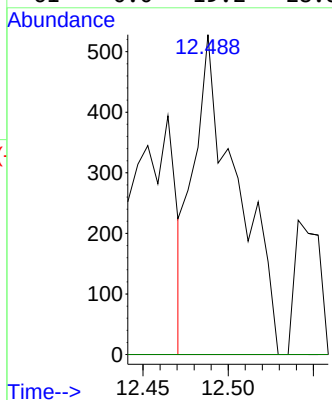
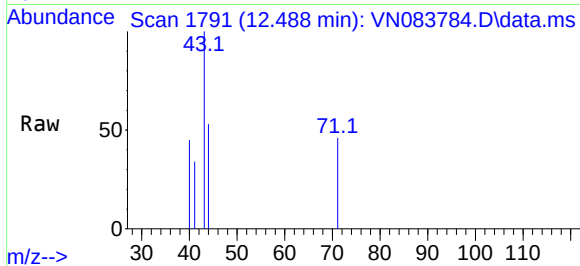




#74
N-amy1 acetate
Concen: 0.201 ug/l
RT: 12.488 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN083784.D
Acq: 11 Sep 2024 10:02

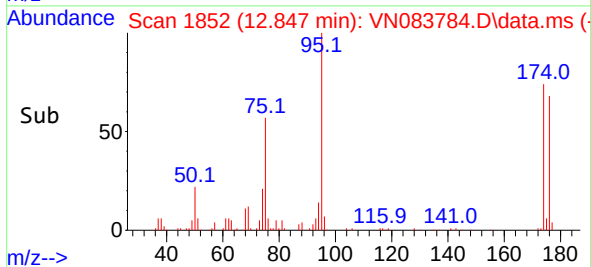
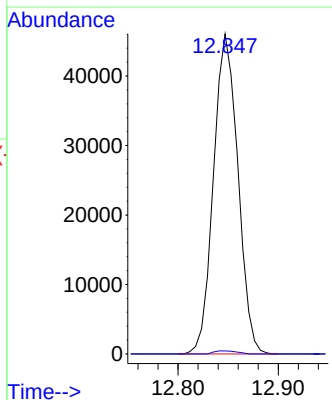
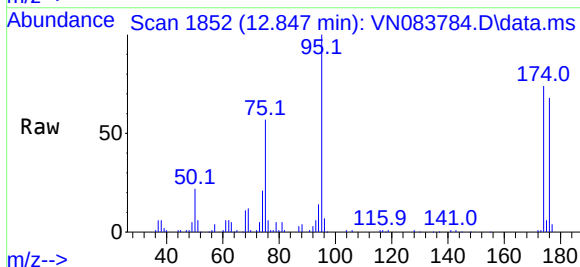
Instrument :
MSVOA_N
ClientSampleId :
ARS20-005

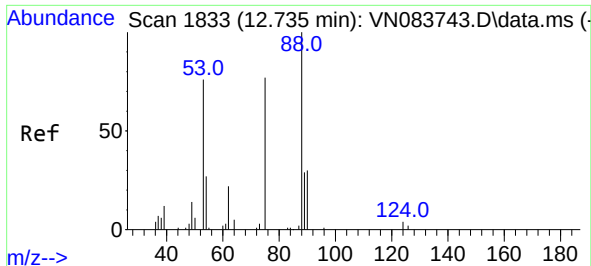
Tgt Ion: 43	Resp:	946
Ion	Ratio	Lower Upper
43	100	
70	0.0	34.5 51.7#
55	0.0	18.6 28.0#
61	0.0	19.2 28.8#



#76
1,2,3-Trichloropropane
Concen: 26.983 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083784.D
Acq: 11 Sep 2024 10:02

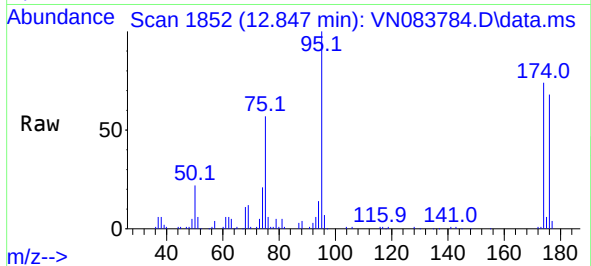
Tgt Ion: 75	Resp:	77777
Ion	Ratio	Lower Upper
75	100	
77	0.9	95.2 285.6#





#81
trans-1,4-Dichloro-2-butene
Concen: 70.669 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN083784.D
Acq: 11 Sep 2024 10:02

Instrument :
MSVOA_N
ClientSampleId :
ARS20-005



Tgt Ion: 75 Resp: 77777
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#

