

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102424\
 Data File : VN084489.D
 Acq On : 24 Oct 2024 15:34
 Operator : JC\MD
 Sample : PB164314ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 25 02:02:10 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 01 07:11:01 2024
 Response via : Initial Calibration

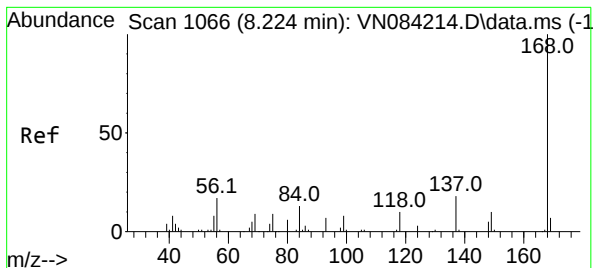
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	196250	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	348523	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	297977	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	116906	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	136298	46.841	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.680%		
35) Dibromofluoromethane	8.165	113	109339	47.587	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.180%		
50) Toluene-d8	10.565	98	412188	48.760	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.520%		
62) 4-Bromofluorobenzene	12.847	95	139433	45.275	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	90.560%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.524	59	517	1.078	ug/l #	73
16) Acetone	4.436	43	39506	31.605	ug/l	99
18) Methyl Acetate	5.018	43	659	0.242	ug/l #	77
20) Methylene Chloride	5.283	84	5270	2.074	ug/l #	77
25) 2-Butanone	7.483	43	5436	3.193	ug/l	94
29) Tetrahydrofuran	7.853	42	651	0.620	ug/l #	51
31) Cyclohexane	8.218	56	4600	1.067	ug/l #	11
36) 1,1-Dichloropropene	8.224	75	17181	5.148	ug/l #	49
37) Ethyl Acetate	7.559	43	3769	1.101	ug/l #	82
38) Carbon Tetrachloride	8.230	117	22114	6.040	ug/l #	15
41) Methacrylonitrile	7.859	41	408	0.219	ug/l #	24
42) 1,2-Dichloroethane	8.683	62	1568	0.445	ug/l #	75
43) Isopropyl Acetate	8.683	43	332460	49.573	ug/l #	76
45) 1,2-Dichloropropane	9.736	63	1763	0.717	ug/l #	44
48) Methyl methacrylate	9.665	41	3846	1.441	ug/l #	43
51) 4-Methyl-2-Pentanone	10.435	43	7533	2.311	ug/l	100
53) t-1,3-Dichloropropene	10.724	75	1042	0.277	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	52967	13.099	ug/l #	59
57) 1,3-Dichloropropane	11.200	76	6543	1.611	ug/l #	42
59) 2-Hexanone	11.200	43	79750	32.736	ug/l #	56
71) Bromoform	12.847	173	682	0.407	ug/l #	1
74) N-amyl acetate	12.482	43	1038	0.257	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	73502	30.797	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	73502	73.834	ug/l #	11

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

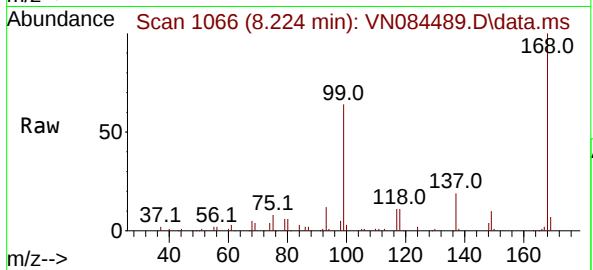
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration



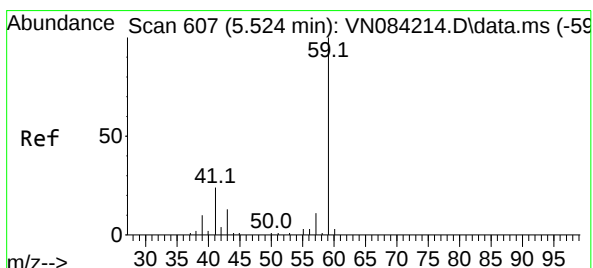
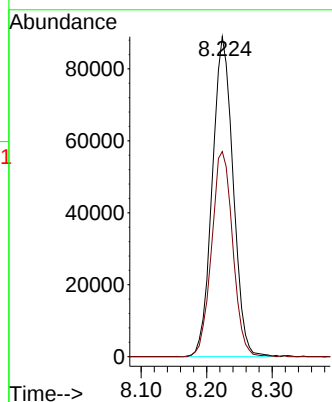
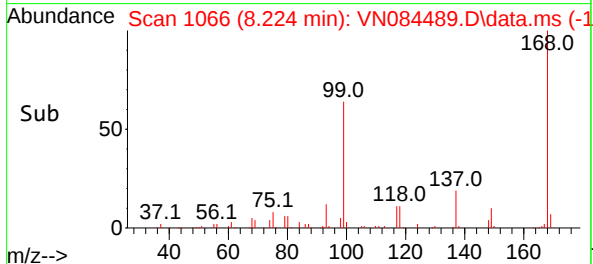


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084489.D
Acq: 24 Oct 2024 15:34

Instrument :
MSVOA_N
ClientSampleId :

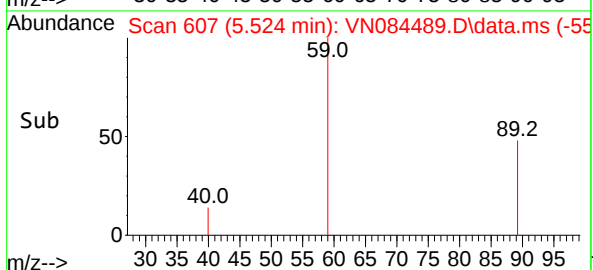
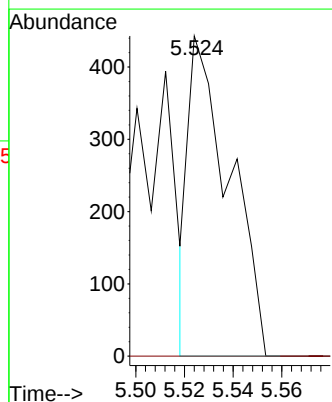
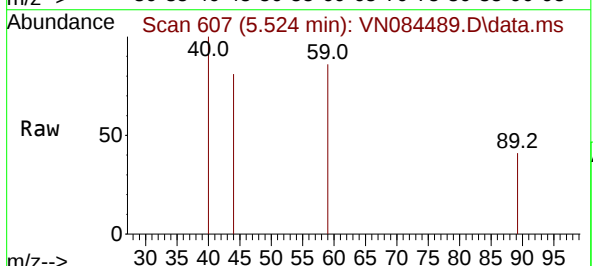


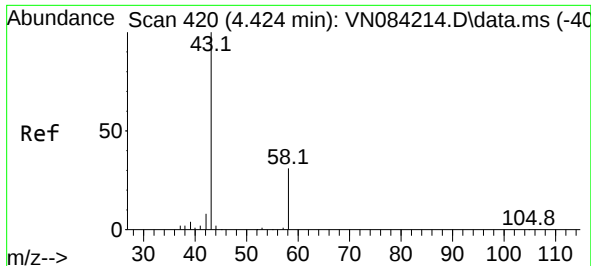
Tgt Ion:168 Resp: 196250
Ion Ratio Lower Upper
168 100
99 64.1 54.2 81.2



#11
Tert butyl alcohol
Concen: 1.078 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.000 min
Lab File: VN084489.D
Acq: 24 Oct 2024 15:34

Tgt Ion: 59 Resp: 517
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

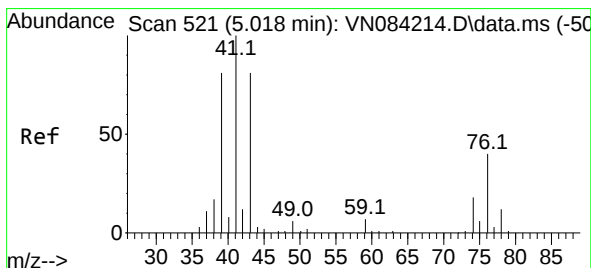
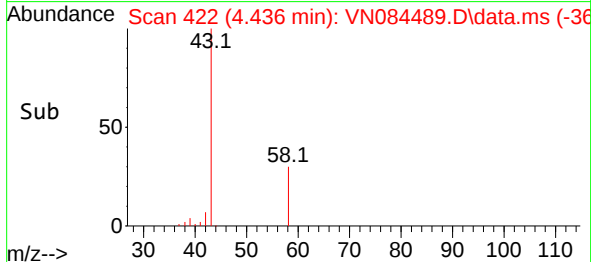
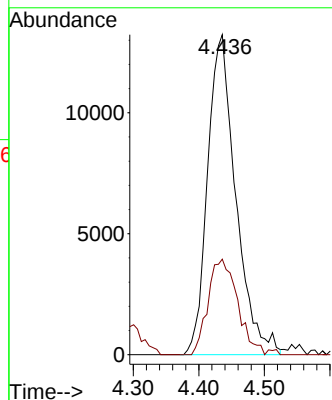
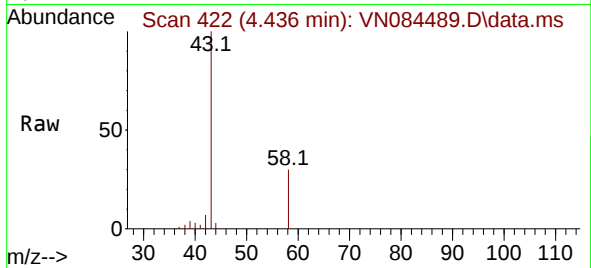




#16
Acetone
Concen: 31.605 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN084489.D
Acq: 24 Oct 2024 15:34

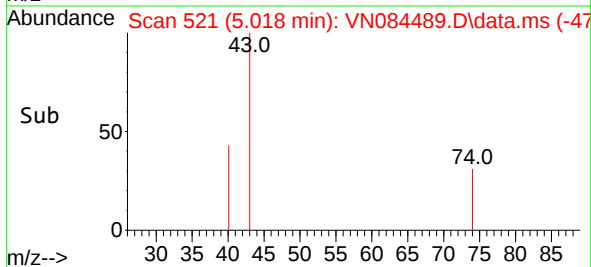
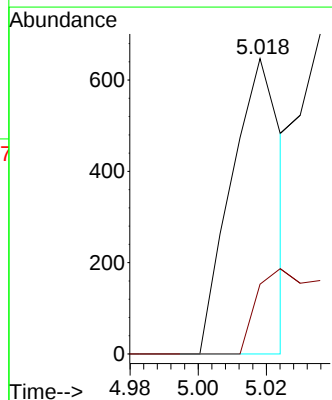
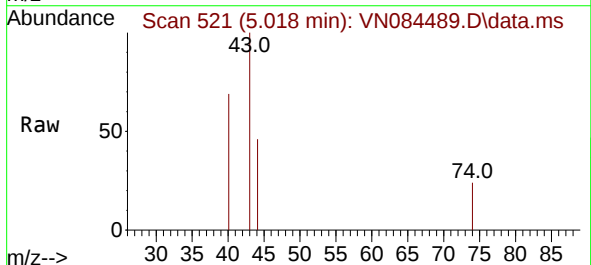
Instrument :
MSVOA_N
ClientSampleId :

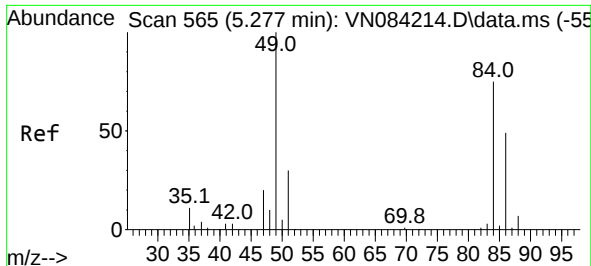
Tgt Ion: 43 Resp: 39506
Ion Ratio Lower Upper
43 100
58 29.9 24.4 36.6



#18
Methyl Acetate
Concen: 0.242 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN084489.D
Acq: 24 Oct 2024 15:34

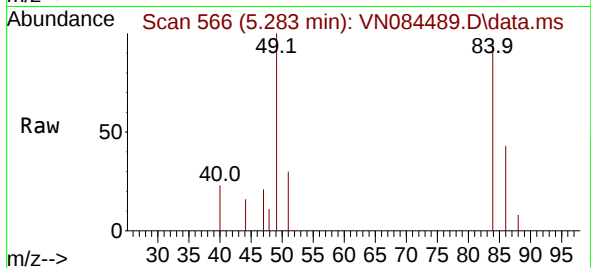
Tgt Ion: 43 Resp: 659
Ion Ratio Lower Upper
43 100
74 35.2 19.2 28.8#



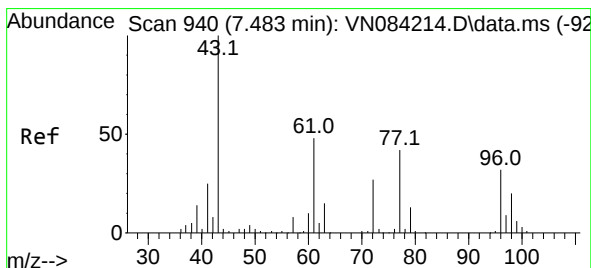
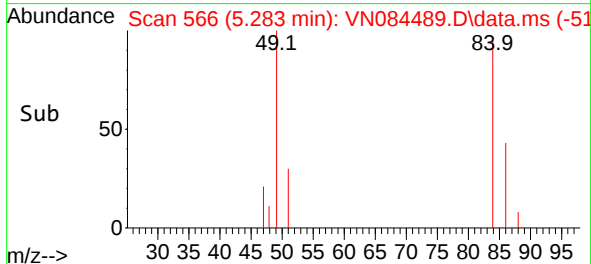
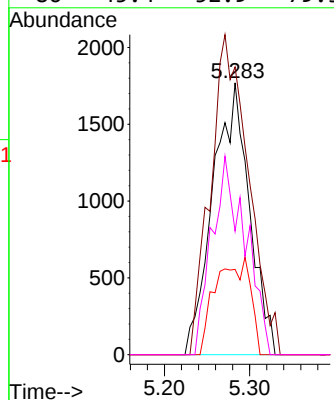


#20
Methylene Chloride
Concen: 2.074 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN084489.D
Acq: 24 Oct 2024 15:34

Instrument :
MSVOA_N
ClientSampleId :

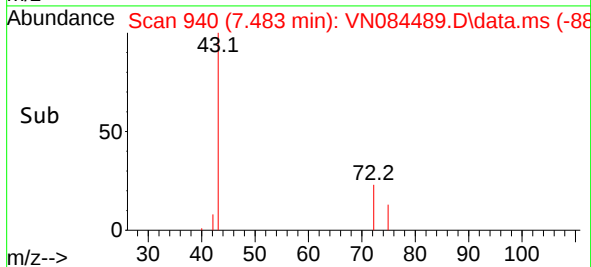
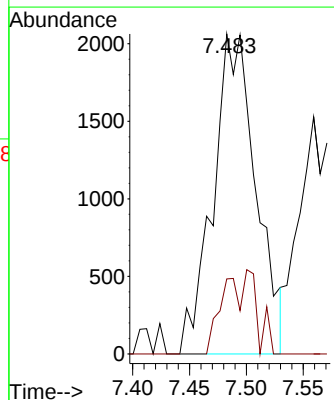
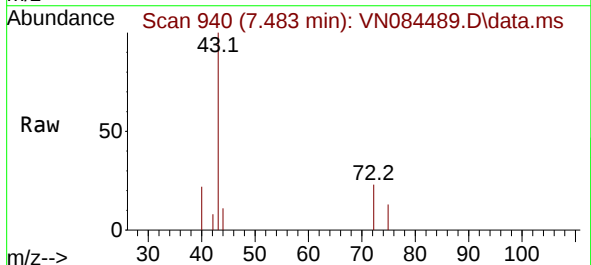


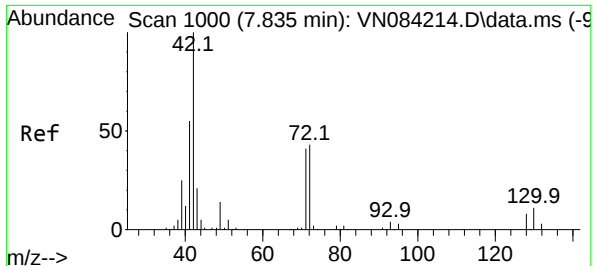
Tgt Ion: 84	Resp: 5270
Ion Ratio	Lower Upper
84 100	
49 105.8	107.2 160.8#
51 31.4	31.8 47.8#
86 45.4	52.9 79.3#



#25
2-Butanone
Concen: 3.193 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN084489.D
Acq: 24 Oct 2024 15:34

Tgt Ion: 43	Resp: 5436
Ion Ratio	Lower Upper
43 100	
72 23.5	21.4 32.2





#29

Tetrahydrofuran

Concen: 0.620 ug/l

RT: 7.853 min Scan# 1065

Delta R.T. 0.018 min

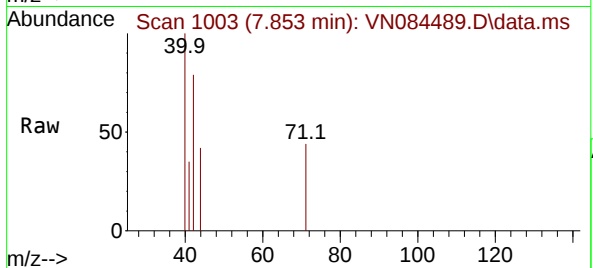
Lab File: VN084489.D

Acq: 24 Oct 2024 15:34

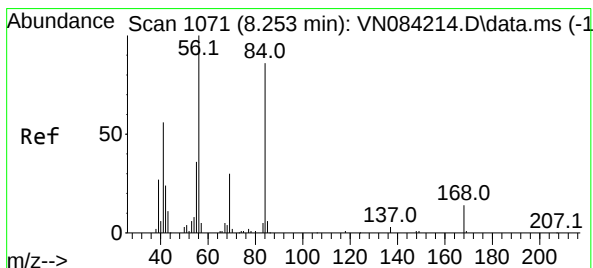
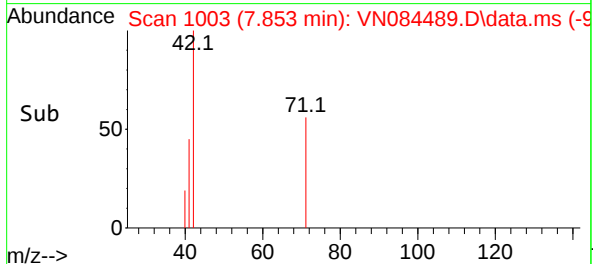
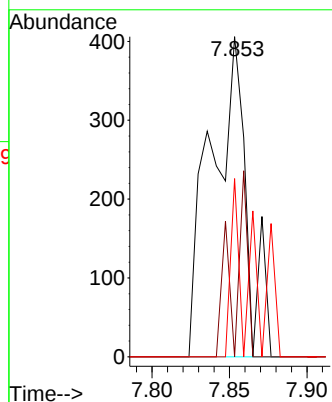
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	651
Ion	Ratio	Lower	Upper
42	100		
72	9.4	34.6	51.8#
71	12.3	32.2	48.4#



#31

Cyclohexane

Concen: 1.067 ug/l

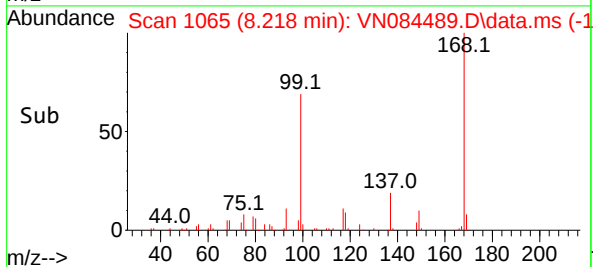
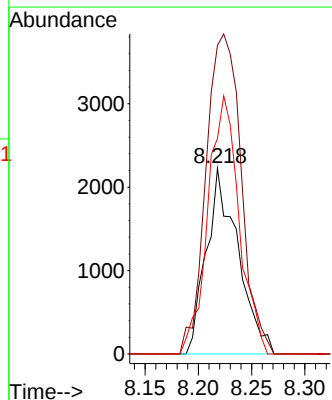
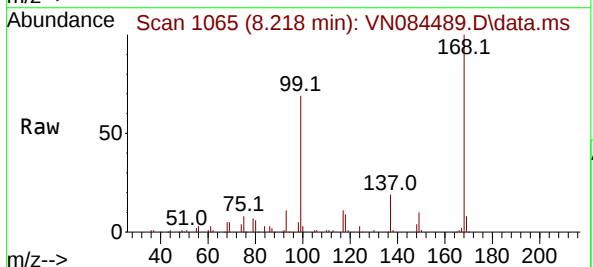
RT: 8.218 min Scan# 1065

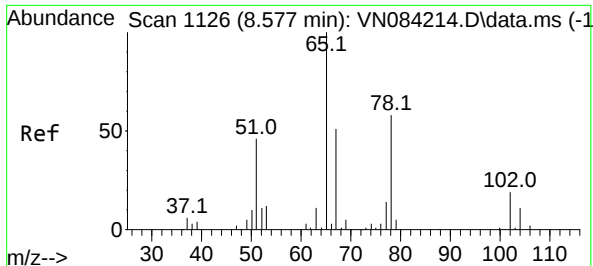
Delta R.T. -0.035 min

Lab File: VN084489.D

Acq: 24 Oct 2024 15:34

Tgt Ion:	56	Resp:	4600
Ion	Ratio	Lower	Upper
56	100		
69	166.1	23.8	35.6#
84	116.1	68.8	103.2#





#33

1,2-Dichloroethane-d4

Concen: 46.841 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN084489.D

Acq: 24 Oct 2024 15:34

Instrument :

MSVOA_N

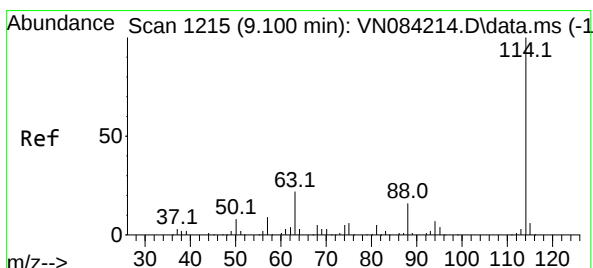
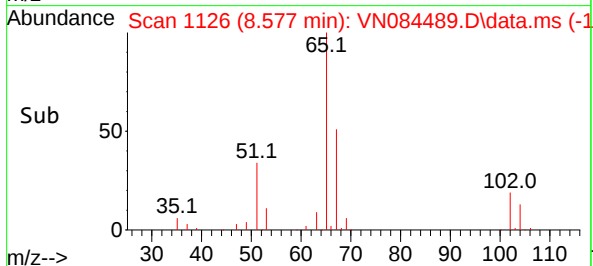
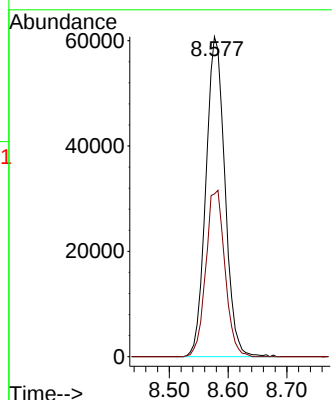
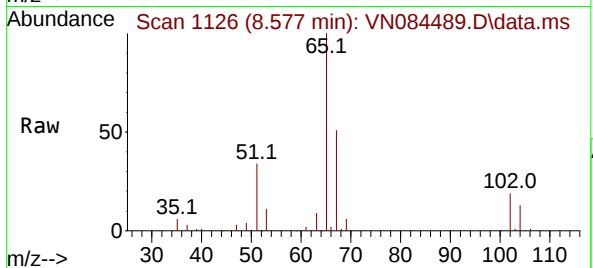
ClientSampleId :

Tgt Ion: 65 Resp: 136298

Ion Ratio Lower Upper

65 100

67 52.3 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN084489.D

Acq: 24 Oct 2024 15:34

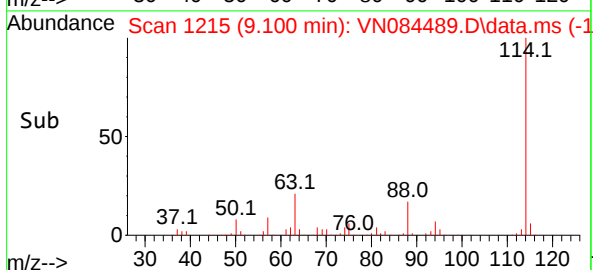
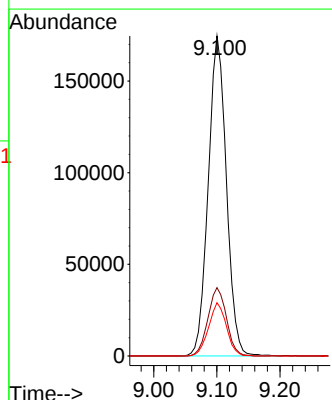
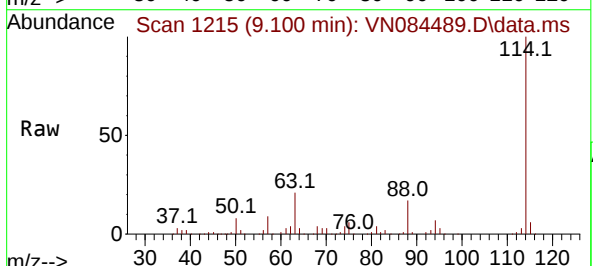
Tgt Ion: 114 Resp: 348523

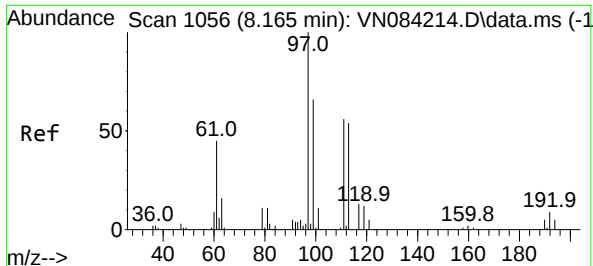
Ion Ratio Lower Upper

114 100

63 21.3 0.0 43.8

88 16.6 0.0 31.6





#35

Dibromofluoromethane

Concen: 47.587 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

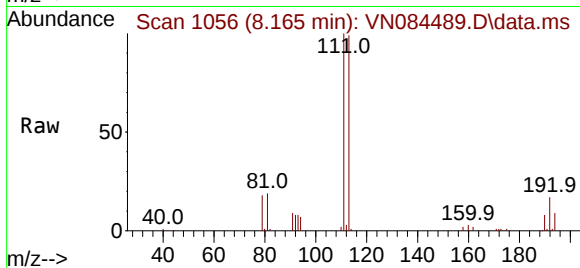
Lab File: VN084489.D

Acq: 24 Oct 2024 15:34

Instrument :

MSVOA_N

ClientSampleId :



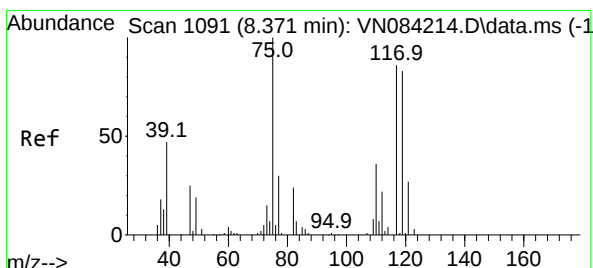
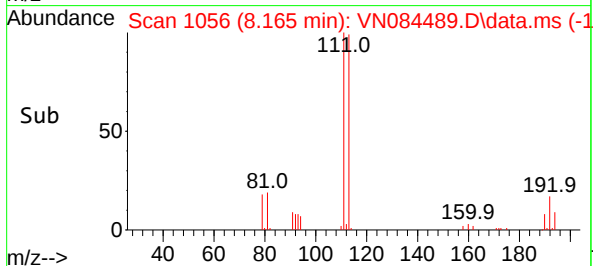
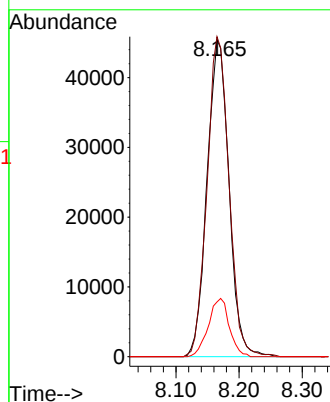
Tgt Ion:113 Resp: 109339

Ion Ratio Lower Upper

113 100

111 101.2 83.3 124.9

192 17.6 13.5 20.3



#36

1,1-Dichloropropene

Concen: 5.148 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN084489.D

Acq: 24 Oct 2024 15:34

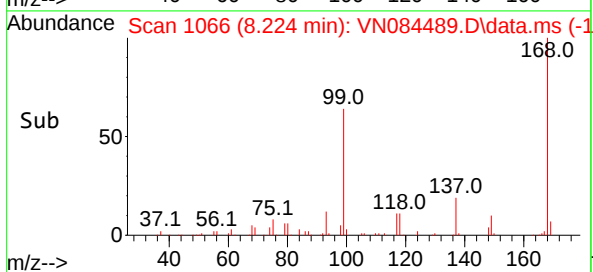
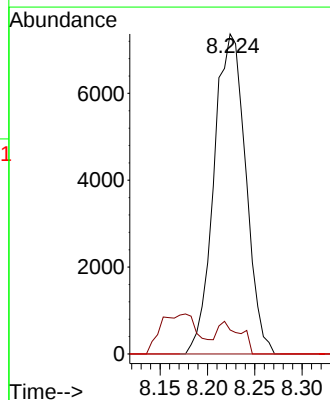
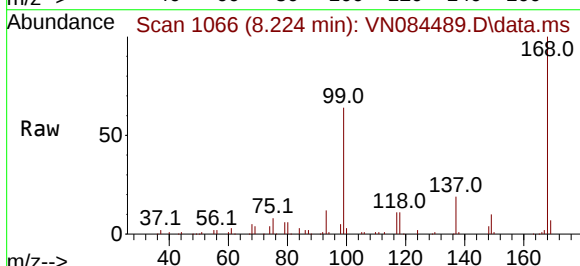
Tgt Ion: 75 Resp: 17181

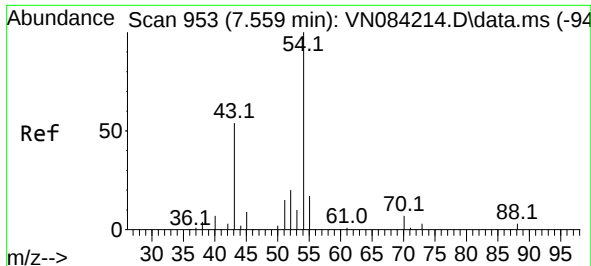
Ion Ratio Lower Upper

75 100

110 7.1 16.9 50.7#

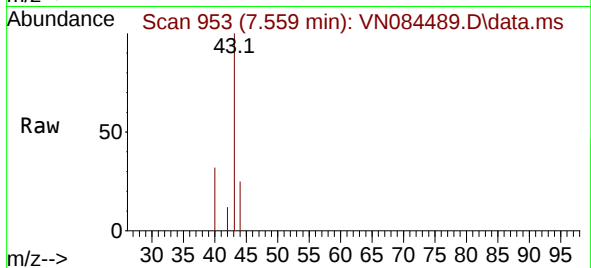
77 0.0 24.7 37.1#



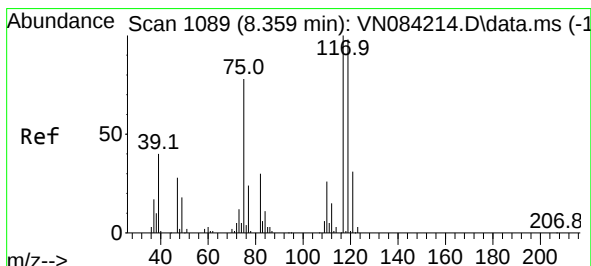
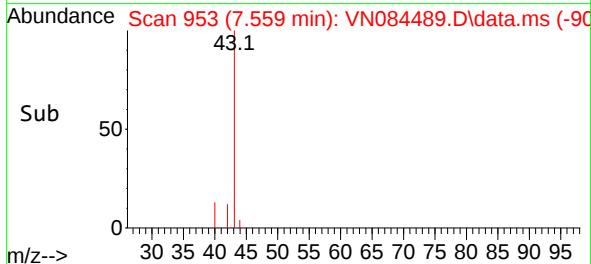
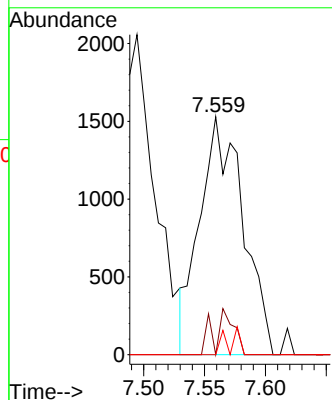


#37
Ethyl Acetate
Concen: 1.101 ug/l
RT: 7.559 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN084489.D
Acq: 24 Oct 2024 15:34

Instrument :
MSVOA_N
ClientSampleId :

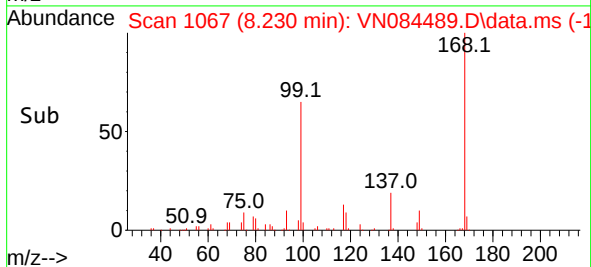
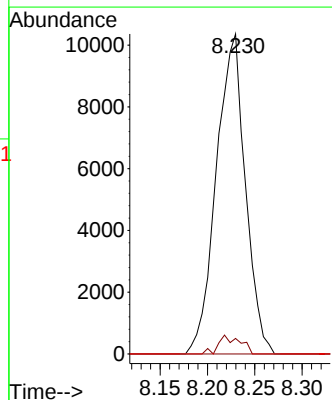
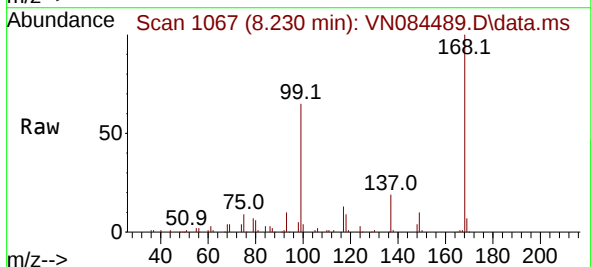


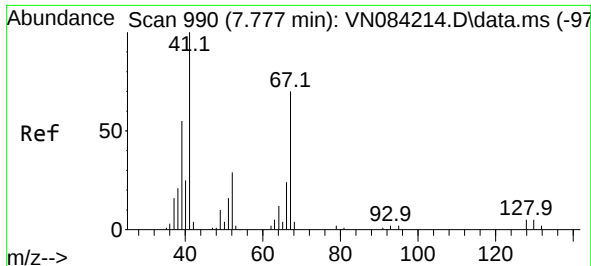
Tgt Ion: 43 Resp: 3769
Ion Ratio Lower Upper
43 100
61 8.6 10.7 16.1#
70 1.5 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 6.040 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.129 min
Lab File: VN084489.D
Acq: 24 Oct 2024 15:34

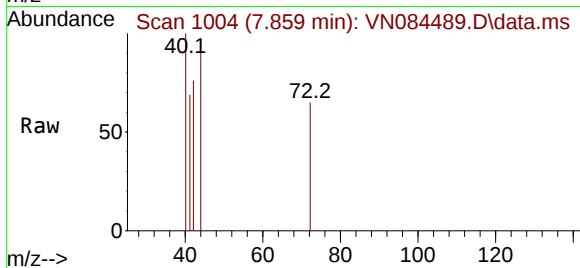
Tgt Ion: 117 Resp: 22114
Ion Ratio Lower Upper
117 100
119 4.9 78.7 118.1#
121 0.0 24.4 36.6#



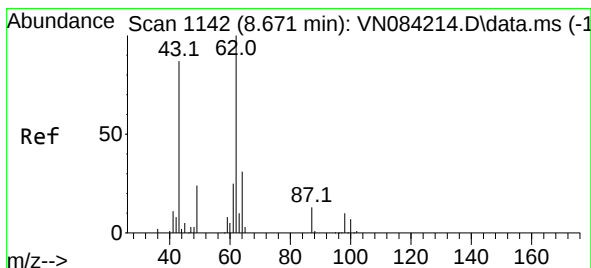
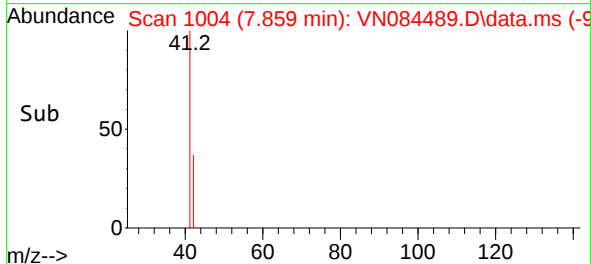
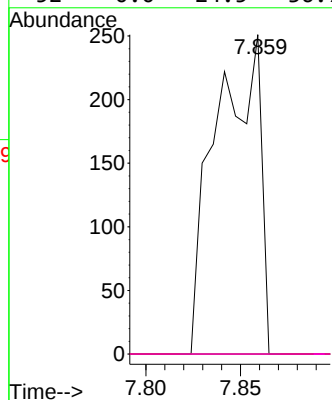


#41
Methacrylonitrile
Concen: 0.219 ug/l
RT: 7.859 min Scan# 1104
Delta R.T. 0.082 min
Lab File: VN084489.D
Acq: 24 Oct 2024 15:34

Instrument :
MSVOA_N
ClientSampleId :

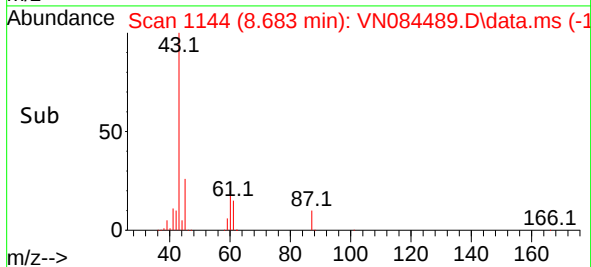
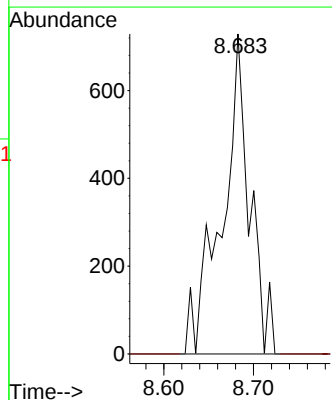
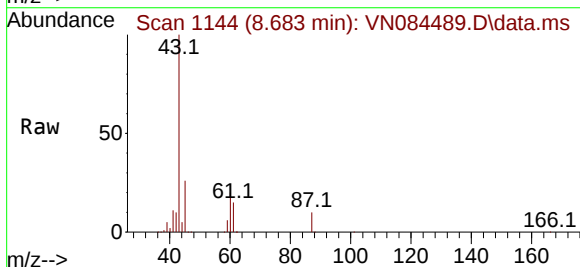


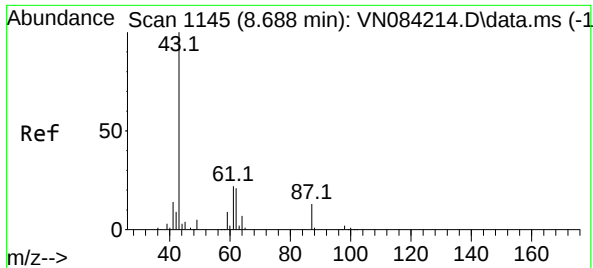
Tgt Ion: 41 Resp: 408
Ion Ratio Lower Upper
41 100
39 0.0 43.3 64.9#
67 0.0 56.1 84.1#
52 0.0 24.5 36.7#



#42
1,2-Dichloroethane
Concen: 0.445 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. 0.012 min
Lab File: VN084489.D
Acq: 24 Oct 2024 15:34

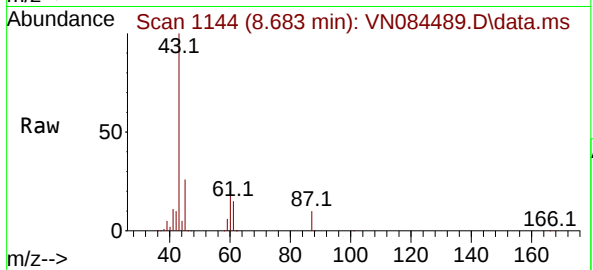
Tgt Ion: 62 Resp: 1568
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2



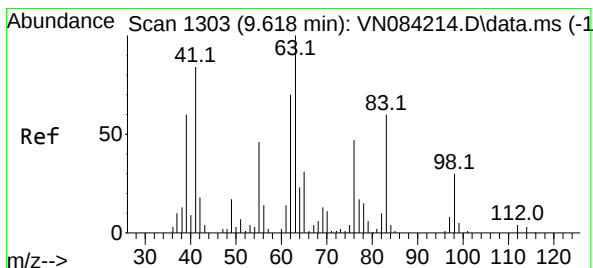
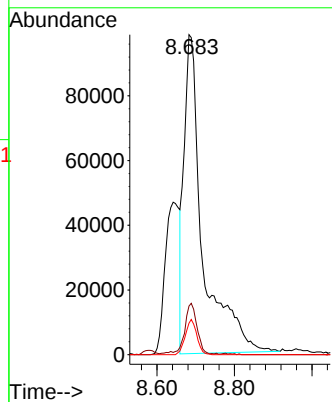
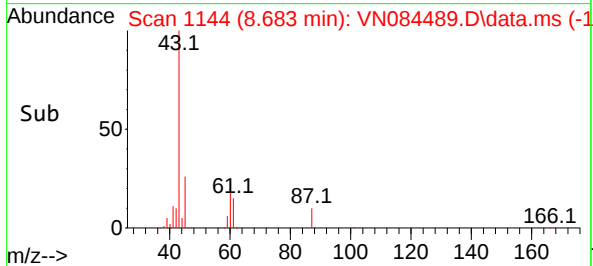


#43
Isopropyl Acetate
Concen: 49.573 ug/l
RT: 8.683 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VN084489.D
Acq: 24 Oct 2024 15:34

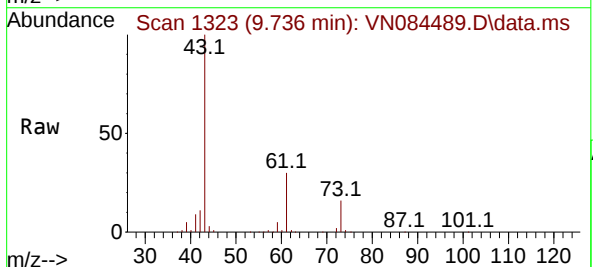
Instrument :
MSVOA_N
ClientSampleId :



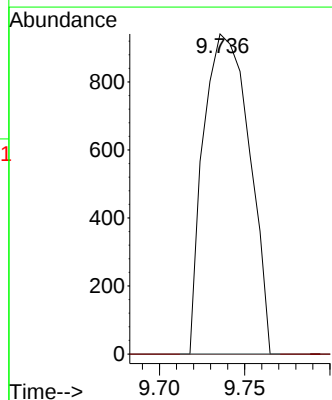
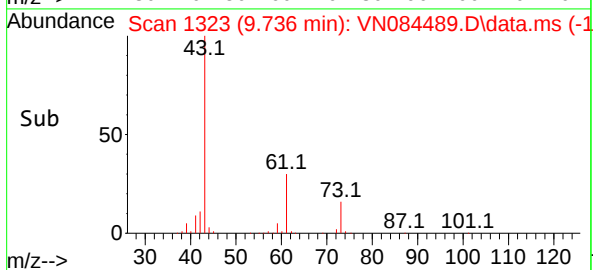
Tgt Ion: 43 Resp: 332460
Ion Ratio Lower Upper
43 100
61 10.9 20.4 30.6#
87 6.7 10.3 15.5#

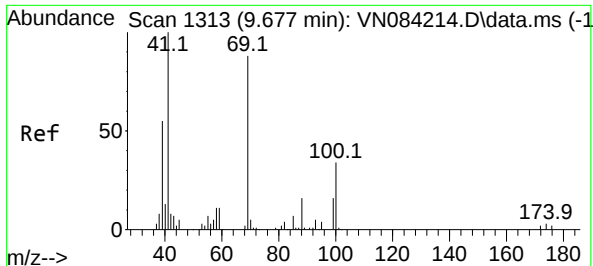


#45
1,2-Dichloropropane
Concen: 0.717 ug/l
RT: 9.736 min Scan# 1323
Delta R.T. 0.118 min
Lab File: VN084489.D
Acq: 24 Oct 2024 15:34



Tgt Ion: 63 Resp: 1763
Ion Ratio Lower Upper
63 100
65 0.0 24.6 37.0#





#48

Methyl methacrylate

Concen: 1.441 ug/l

RT: 9.665 min Scan# 11

Delta R.T. -0.012 min

Lab File: VN084489.D

Acq: 24 Oct 2024 15:34

Instrument :

MSVOA_N

ClientSampleId :

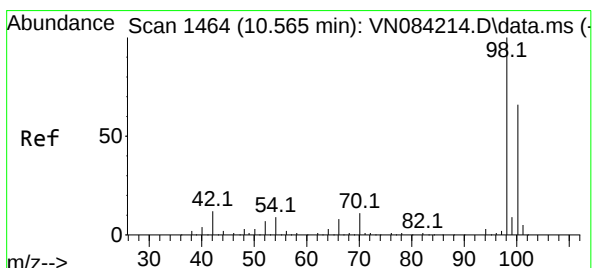
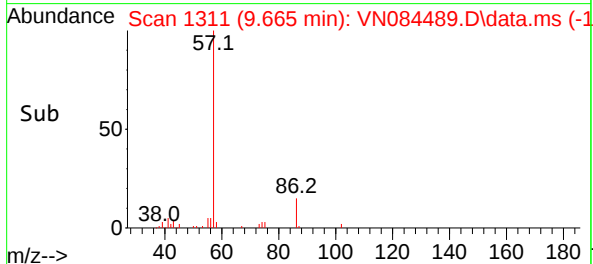
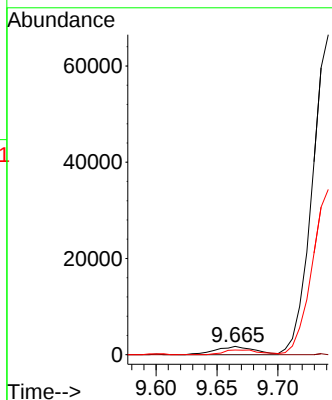
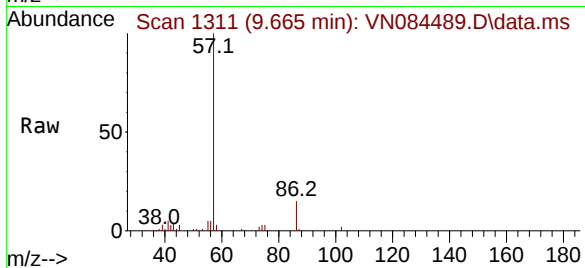
Tgt Ion: 41 Resp: 3846

Ion Ratio Lower Upper

41 100

69 0.0 67.1 100.7#

39 53.2 45.8 68.6



#50

Toluene-d8

Concen: 48.760 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN084489.D

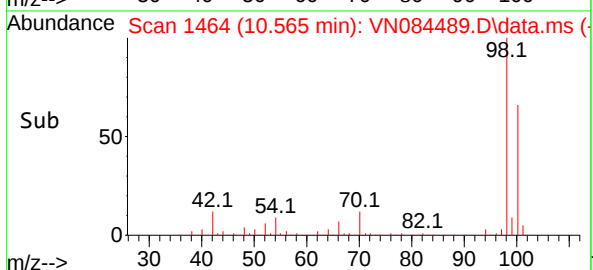
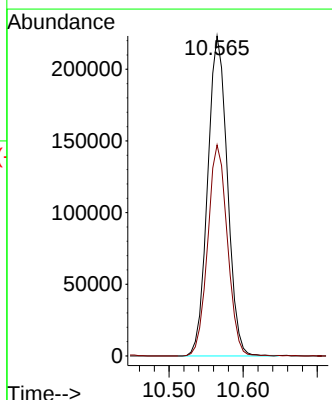
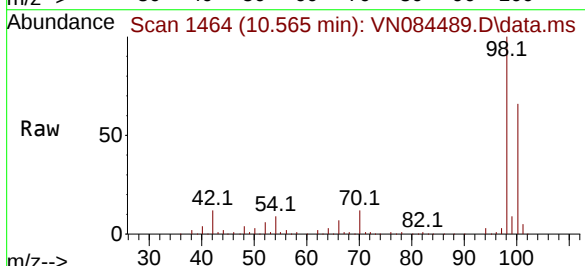
Acq: 24 Oct 2024 15:34

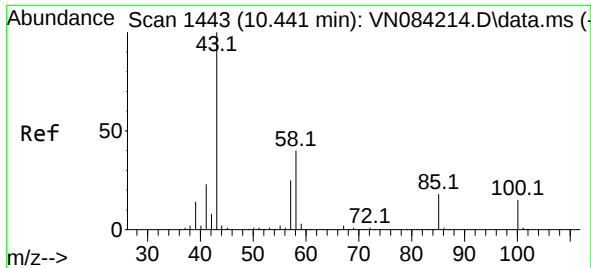
Tgt Ion: 98 Resp: 412188

Ion Ratio Lower Upper

98 100

100 65.7 52.7 79.1

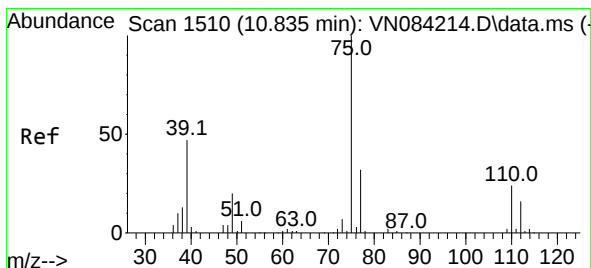
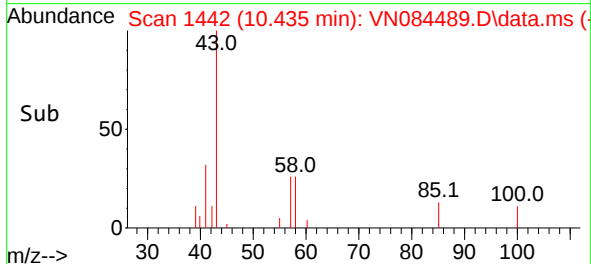
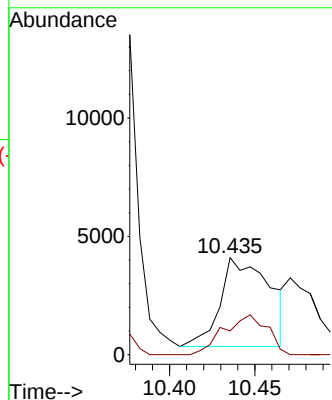
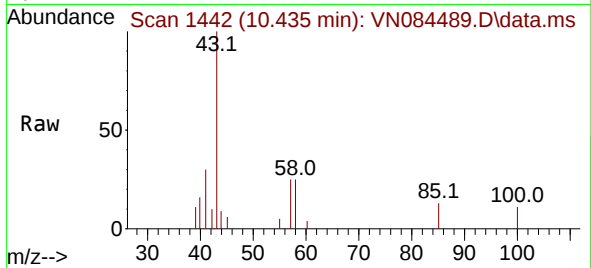




#51
4-Methyl-2-Pentanone
Concen: 2.311 ug/l
RT: 10.435 min Scan# 1443
Delta R.T. -0.006 min
Lab File: VN084489.D
Acq: 24 Oct 2024 15:34

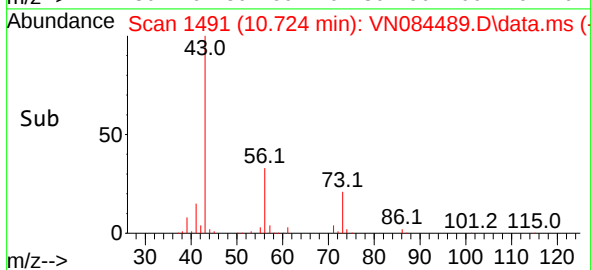
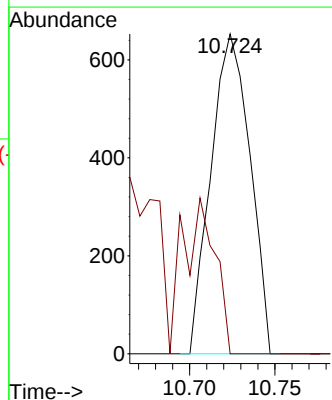
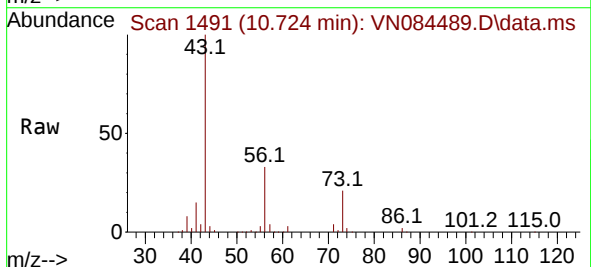
Instrument :
MSVOA_N
ClientSampleId :

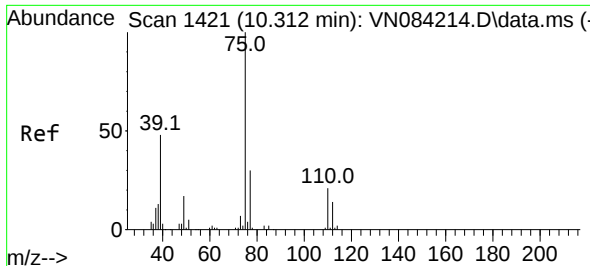
Tgt Ion: 43 Resp: 7533
Ion Ratio Lower Upper
43 100
58 39.7 31.6 47.4



#53
t-1,3-Dichloropropene
Concen: 0.277 ug/l
RT: 10.724 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN084489.D
Acq: 24 Oct 2024 15:34

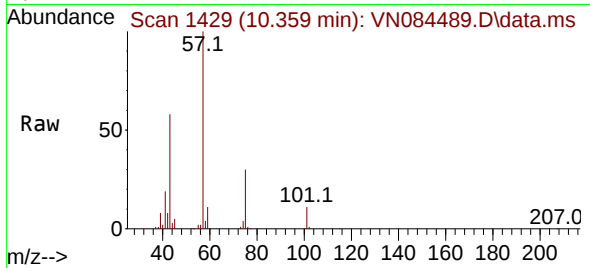
Tgt Ion: 75 Resp: 1042
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#



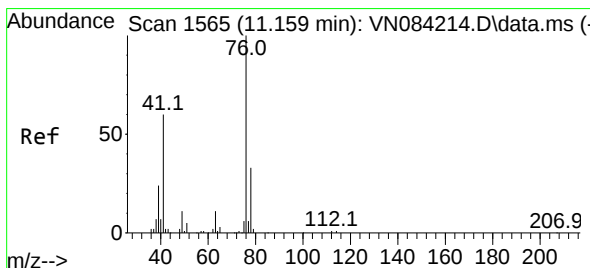
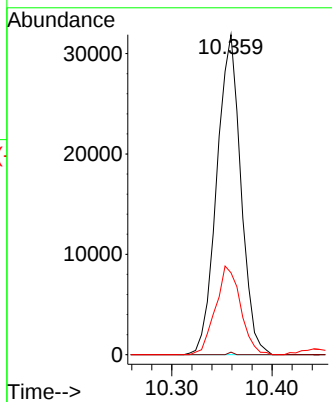
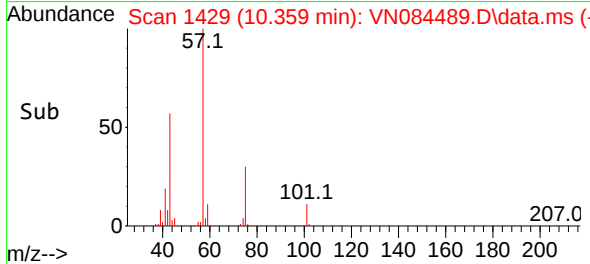


#54
cis-1,3-Dichloropropene
Concen: 13.099 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN084489.D
Acq: 24 Oct 2024 15:34

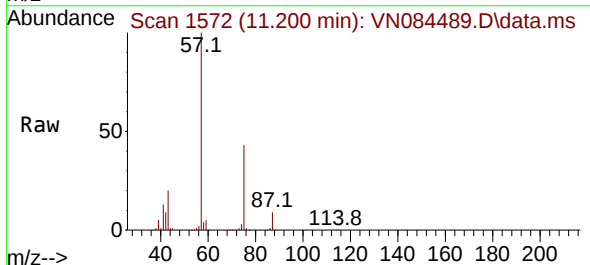
Instrument :
MSVOA_N
ClientSampleId :



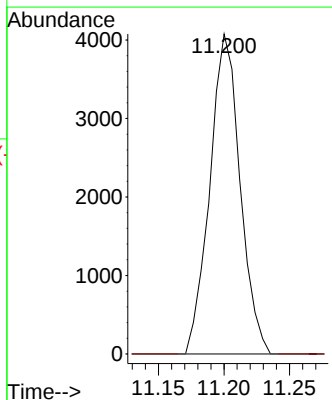
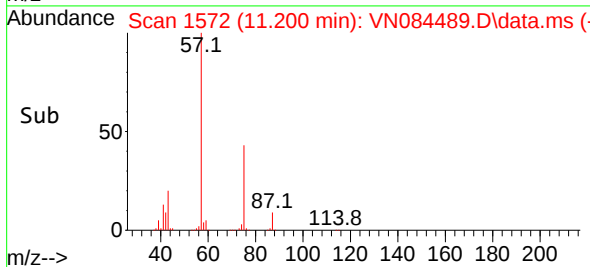
Tgt Ion: 75 Resp: 52967
Ion Ratio Lower Upper
75 100
77 0.8 24.2 36.2#
39 25.6 38.7 58.1#

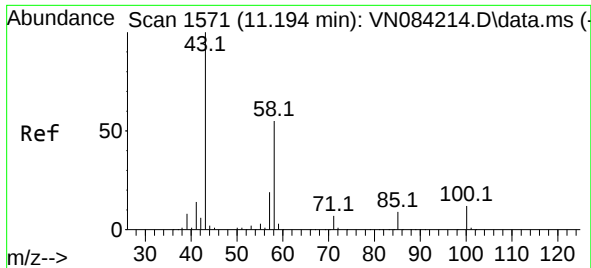


#57
1,3-Dichloropropane
Concen: 1.611 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN084489.D
Acq: 24 Oct 2024 15:34



Tgt Ion: 76 Resp: 6543
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

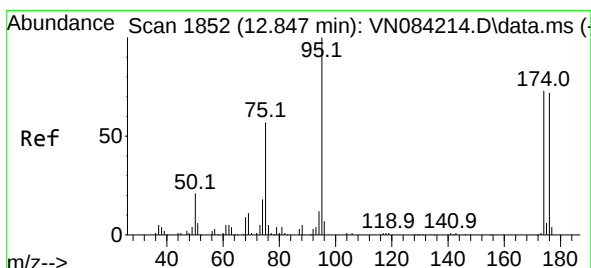
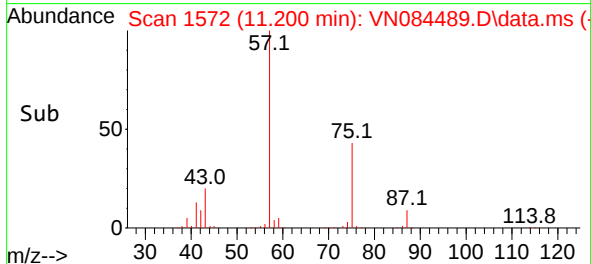
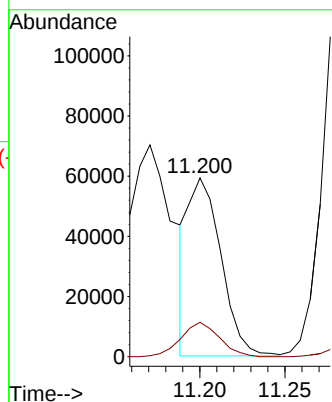
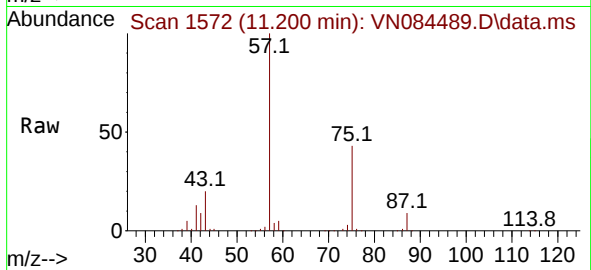




#59
2-Hexanone
Concen: 32.736 ug/l
RT: 11.200 min Scan# 1571
Delta R.T. 0.006 min
Lab File: VN084489.D
Acq: 24 Oct 2024 15:34

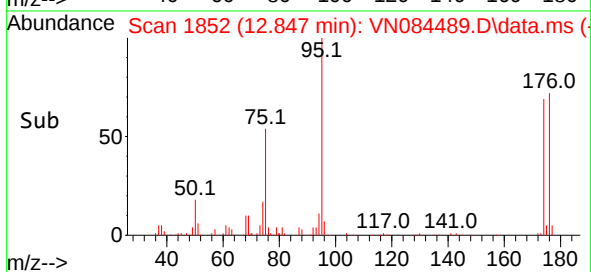
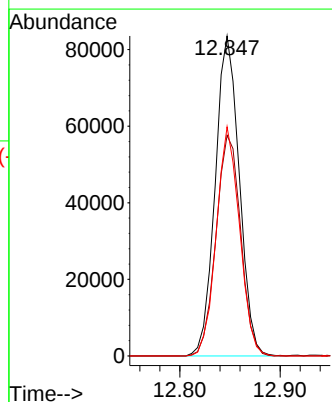
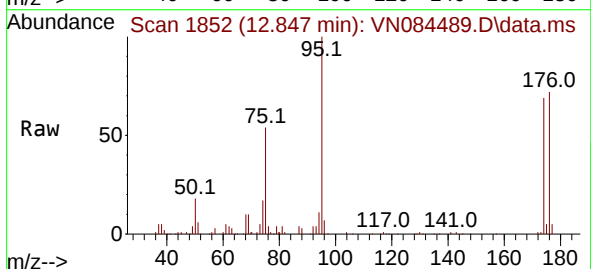
Instrument :
MSVOA_N
ClientSampleId :

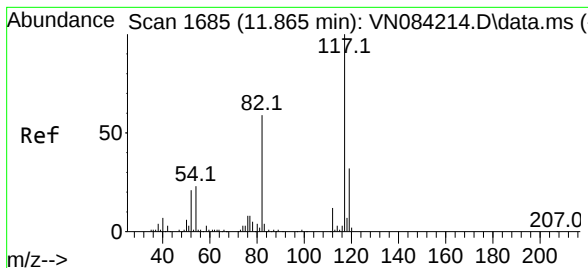
Tgt Ion: 43 Resp: 79750
Ion Ratio Lower Upper
43 100
58 22.5 27.3 81.8#



#62
4-Bromofluorobenzene
Concen: 45.275 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084489.D
Acq: 24 Oct 2024 15:34

Tgt Ion: 95 Resp: 139433
Ion Ratio Lower Upper
95 100
174 70.5 0.0 145.2
176 69.0 0.0 140.0

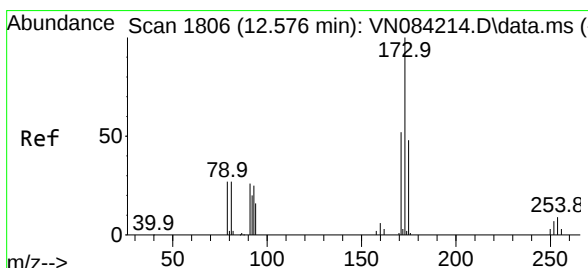
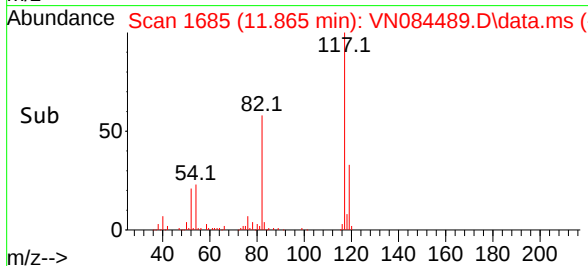
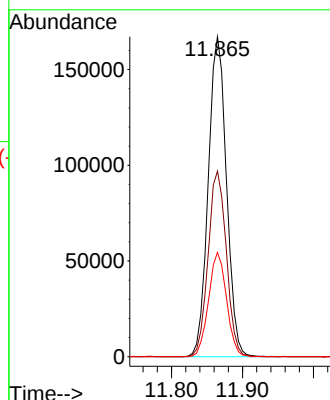
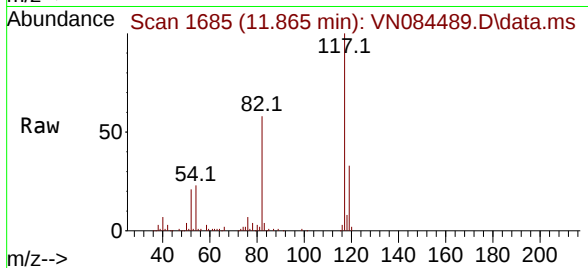




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084489.D
Acq: 24 Oct 2024 15:34

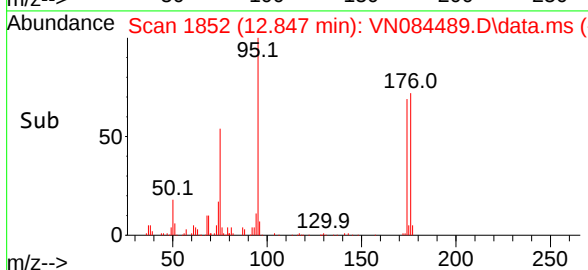
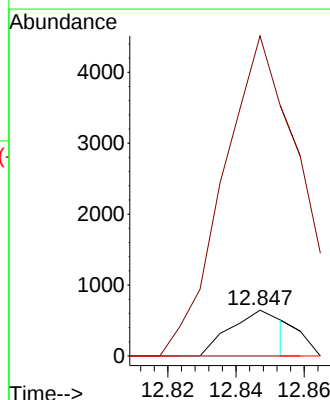
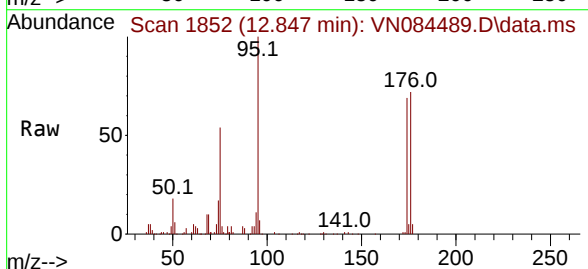
Instrument :
MSVOA_N
ClientSampleId :

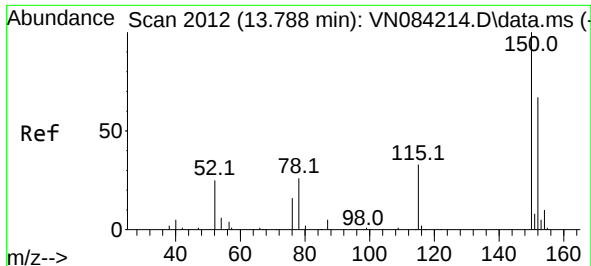
Tgt Ion:117 Resp: 297977
Ion Ratio Lower Upper
117 100
82 58.0 47.2 70.8
119 32.6 25.4 38.0



#71
Bromoform
Concen: 0.407 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN084489.D
Acq: 24 Oct 2024 15:34

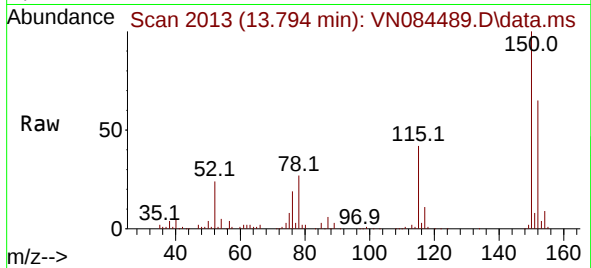
Tgt Ion:173 Resp: 682
Ion Ratio Lower Upper
173 100
175 793.3 23.5 70.6#
254 0.0 0.0 0.0



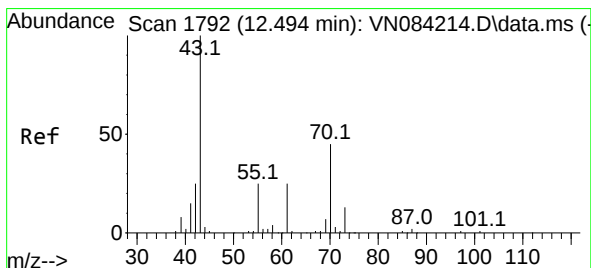
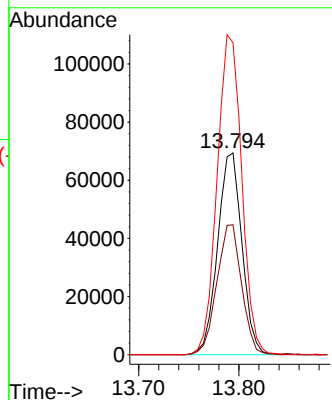
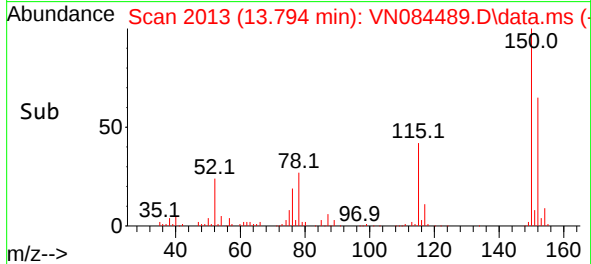


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VN084489.D
 Acq: 24 Oct 2024 15:34

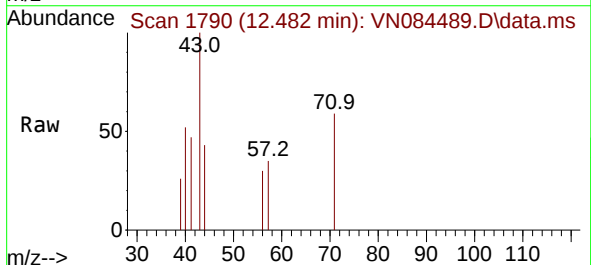
Instrument :
 MSVOA_N
 ClientSampleId :



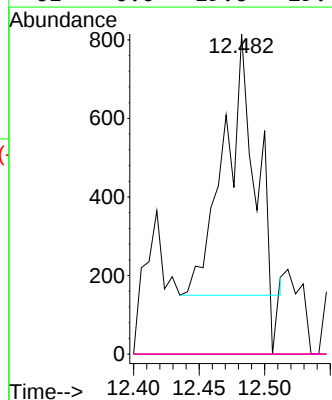
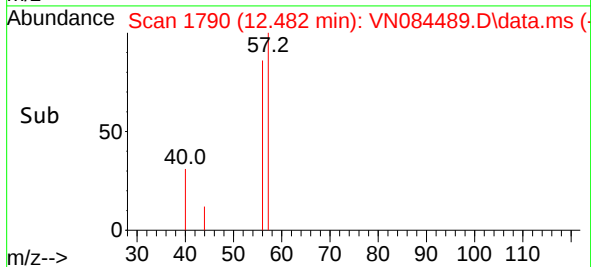
Tgt Ion:152 Resp: 116906
 Ion Ratio Lower Upper
 152 100
 115 65.4 31.3 93.9
 150 160.7 0.0 349.8

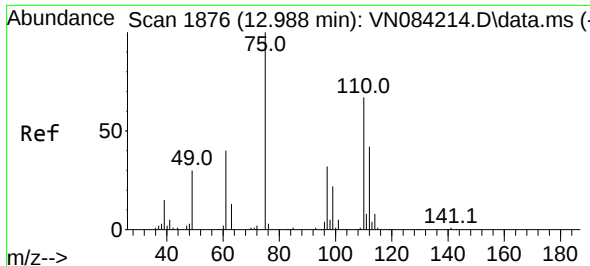


#74
 N-ethyl acetate
 Concen: 0.257 ug/l
 RT: 12.482 min Scan# 1790
 Delta R.T. -0.012 min
 Lab File: VN084489.D
 Acq: 24 Oct 2024 15:34



Tgt Ion: 43 Resp: 1038
 Ion Ratio Lower Upper
 43 100
 70 0.0 34.4 51.6#
 55 0.0 19.6 29.4#
 61 0.0 19.6 29.4#

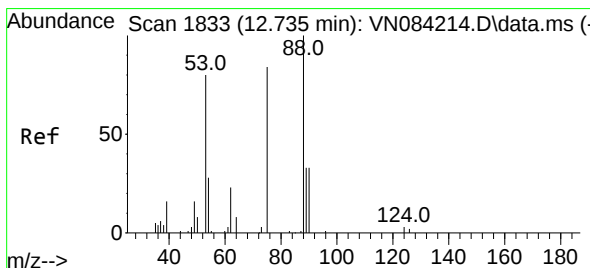
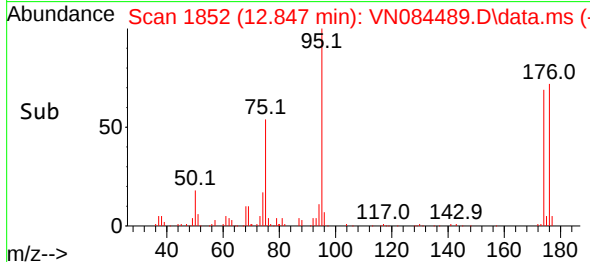
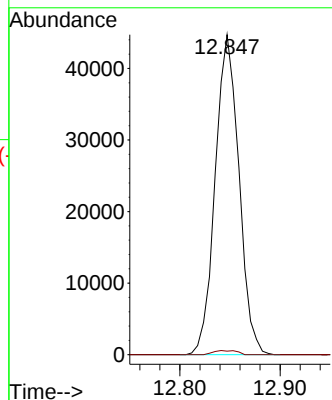
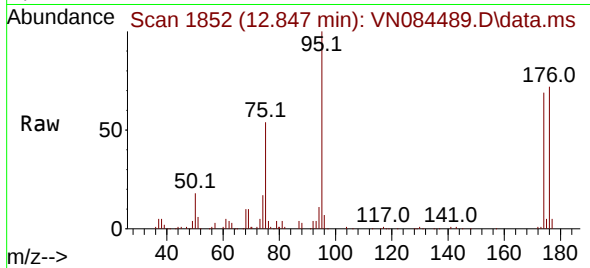




#76
1,2,3-Trichloropropane
Concen: 30.797 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084489.D
Acq: 24 Oct 2024 15:34

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 73502
Ion Ratio Lower Upper
75 100
77 1.3 96.9 290.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.834 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084489.D
Acq: 24 Oct 2024 15:34

Tgt Ion: 75 Resp: 73502
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#

