

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102424\
 Data File : VN084487.D
 Acq On : 24 Oct 2024 14:46
 Operator : JC\MD
 Sample : PB164314ZHE#01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

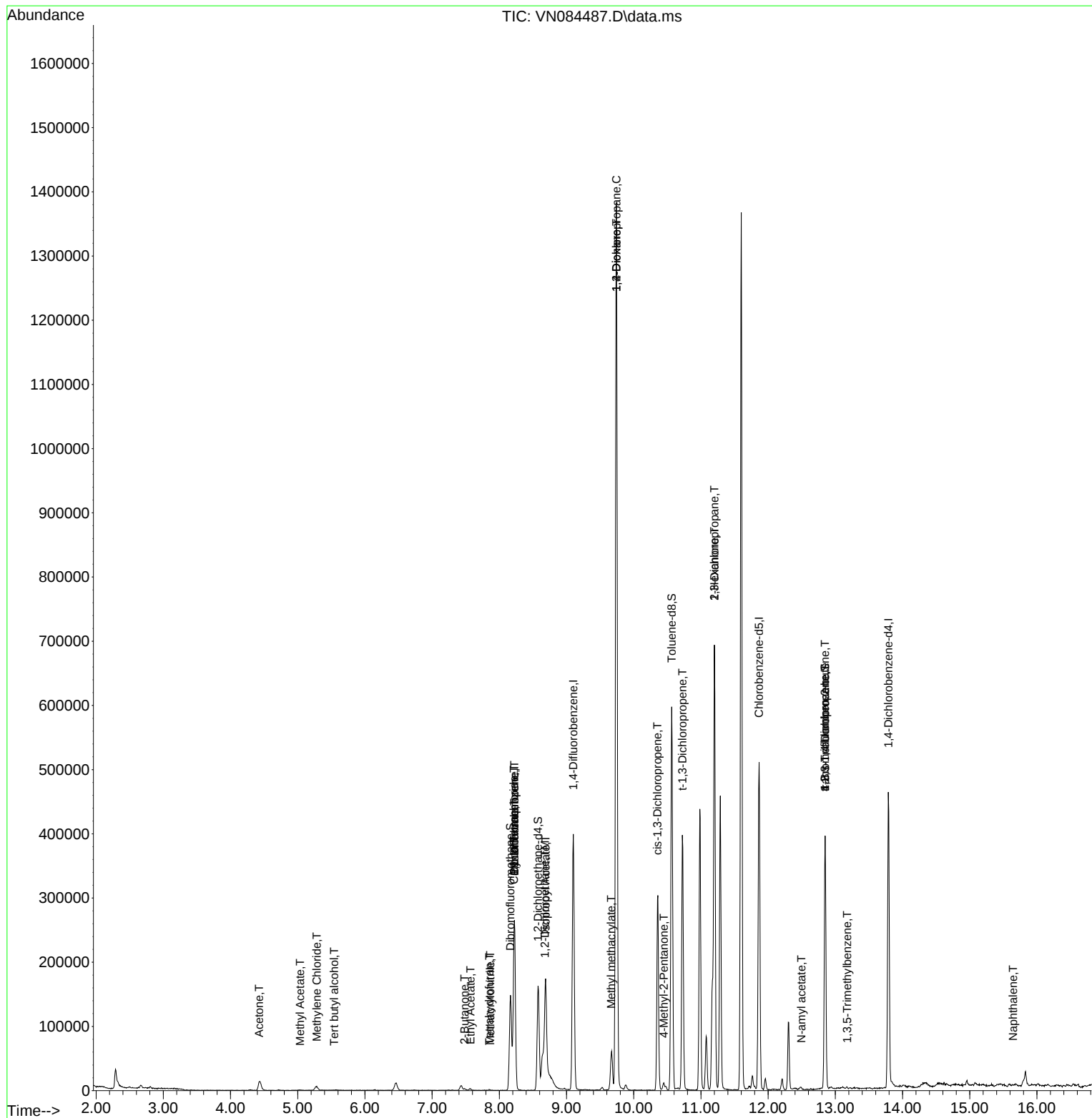
Quant Time: Oct 25 02:01:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 01 07:11:01 2024
 Response via : Initial Calibration

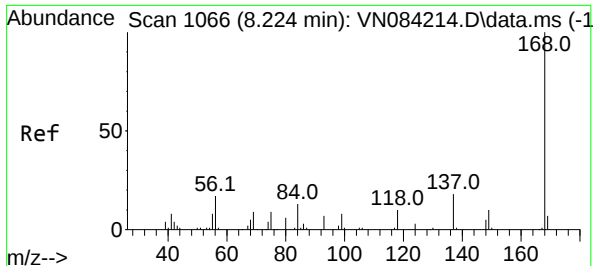
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	189459	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	341993	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	297581	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	121977	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	134797	47.986	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.980%
35) Dibromofluoromethane	8.165	113	106554	47.260	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.520%
50) Toluene-d8	10.565	98	407750	49.156	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.320%
62) 4-Bromofluorobenzene	12.847	95	141597	46.856	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	93.720%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.542	59	308	0.665	ug/l #	73
16) Acetone	4.424	43	28317	23.466	ug/l	92
18) Methyl Acetate	5.036	43	1183	0.450	ug/l #	51
20) Methylene Chloride	5.283	84	4738	1.932	ug/l	91
25) 2-Butanone	7.483	43	4270	2.598	ug/l	91
29) Tetrahydrofuran	7.853	42	813	0.802	ug/l #	72
31) Cyclohexane	8.224	56	4610	1.108	ug/l #	17
36) 1,1-Dichloropropene	8.224	75	16335	4.988	ug/l #	50
37) Ethyl Acetate	7.571	43	3863	1.150	ug/l #	84
38) Carbon Tetrachloride	8.218	117	20716	5.767	ug/l #	15
41) Methacrylonitrile	7.865	41	410	0.225	ug/l #	24
42) 1,2-Dichloroethane	8.677	62	985	0.285	ug/l #	75
43) Isopropyl Acetate	8.688	43	284916	43.295	ug/l #	77
45) 1,2-Dichloropropane	9.741	63	1855	0.769	ug/l #	44
48) Methyl methacrylate	9.665	41	4415	1.685	ug/l #	41
49) 1,4-Dioxane	9.741	88	185	3.836	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	7639	2.388	ug/l	99
53) t-1,3-Dichloropropene	10.724	75	1058	0.287	ug/l #	43
54) cis-1,3-Dichloropropene	10.353	75	56545	14.251	ug/l #	59
57) 1,3-Dichloropropane	11.200	76	7132	1.789	ug/l #	42
59) 2-Hexanone	11.200	43	83558	34.954	ug/l #	57
74) N-amyl acetate	12.494	43	2588	0.614	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	73541	29.532	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.176	105	1578	0.208	ug/l	91
81) trans-1,4-Dichloro-2-b...	12.847	75	73541	70.802	ug/l #	11
95) Naphthalene	15.647	128	1648	0.244	ug/l #	86

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

Instrument :
MSVOA_N
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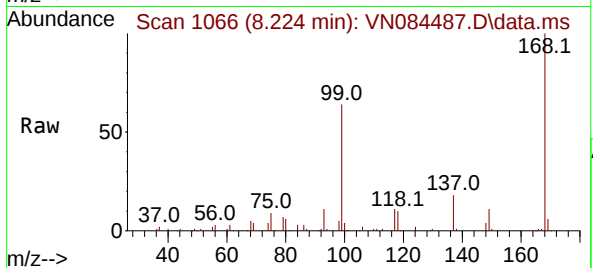
Instrument :
MSVOA_N
ClientSampleId :



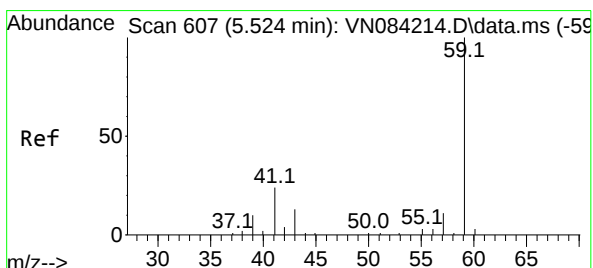
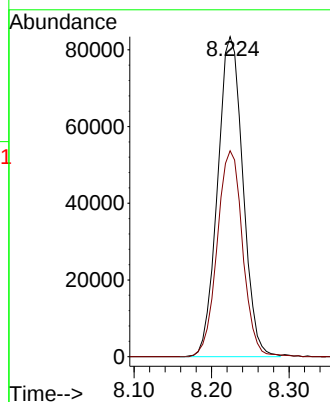
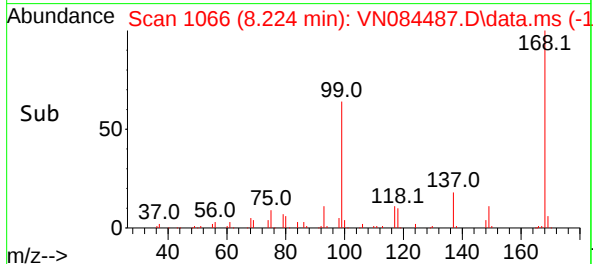


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084487.D
Acq: 24 Oct 2024 14:46

Instrument :
MSVOA_N
ClientSampleId :

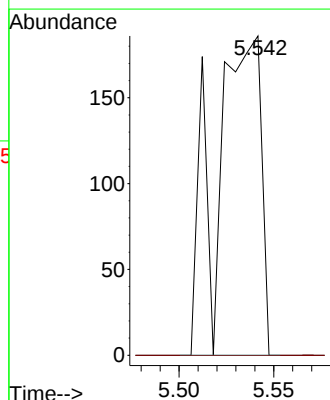
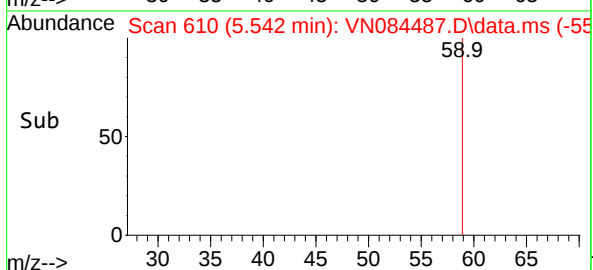
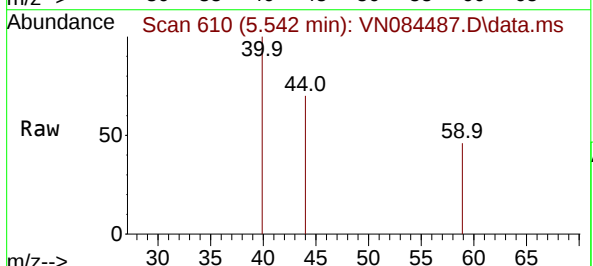


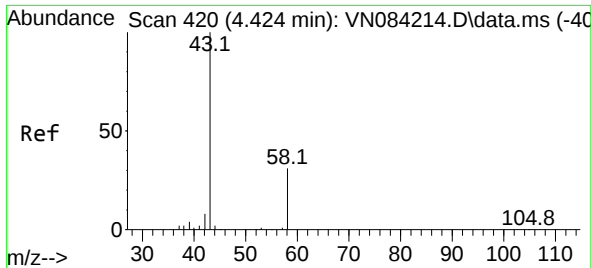
Tgt Ion:168 Resp: 189459
Ion Ratio Lower Upper
168 100
99 64.4 54.2 81.2



#11
Tert butyl alcohol
Concen: 0.665 ug/l
RT: 5.542 min Scan# 610
Delta R.T. 0.018 min
Lab File: VN084487.D
Acq: 24 Oct 2024 14:46

Tgt Ion: 59 Resp: 308
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

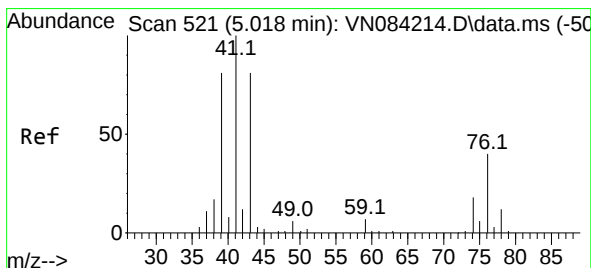
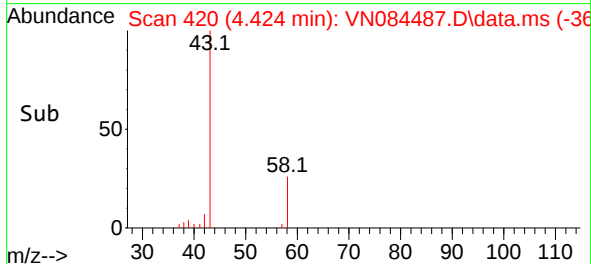
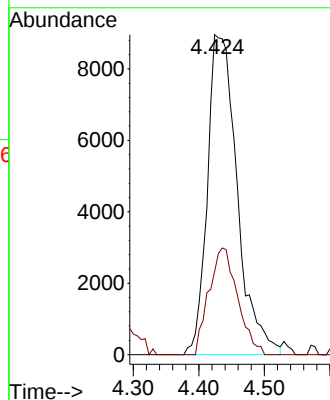
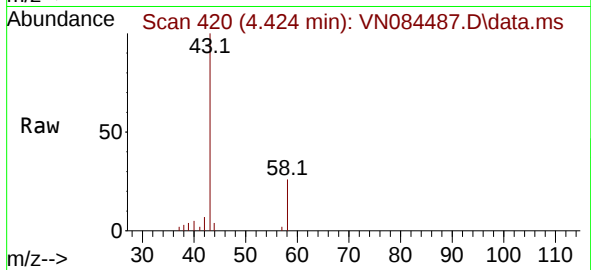




#16
Acetone
Concen: 23.466 ug/l
RT: 4.424 min Scan# 431
Delta R.T. 0.000 min
Lab File: VN084487.D
Acq: 24 Oct 2024 14:46

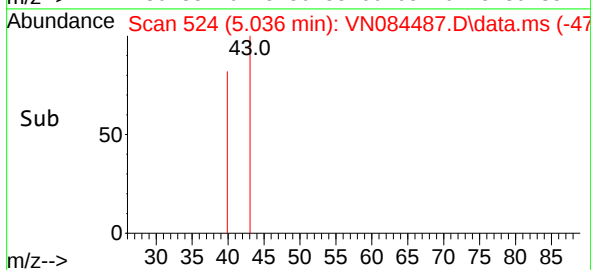
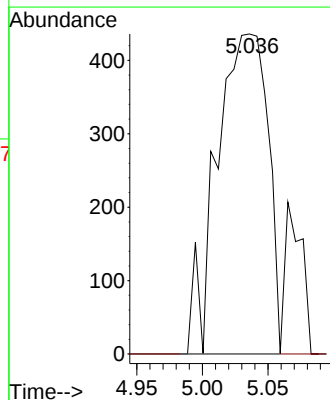
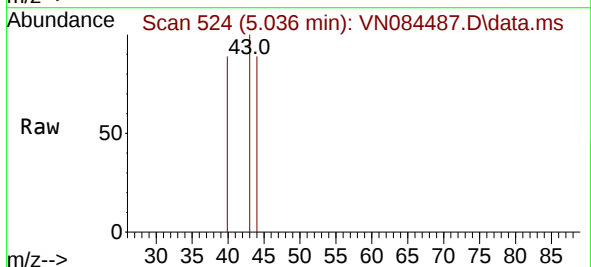
Instrument :
MSVOA_N
ClientSampleId :

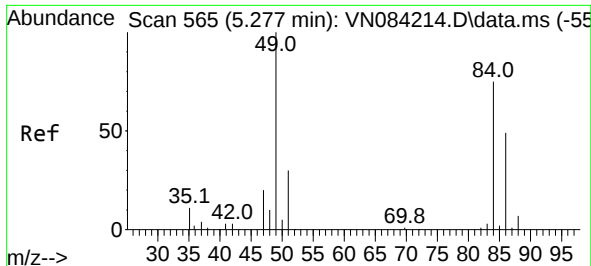
Tgt Ion: 43 Resp: 28317
Ion Ratio Lower Upper
43 100
58 26.0 24.4 36.6



#18
Methyl Acetate
Concen: 0.450 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.018 min
Lab File: VN084487.D
Acq: 24 Oct 2024 14:46

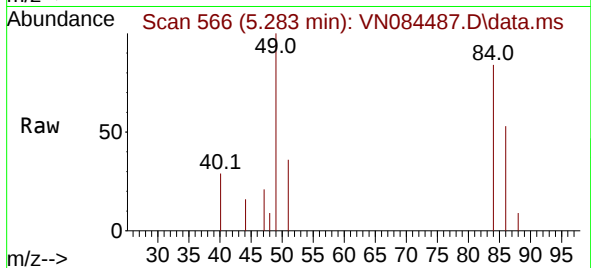
Tgt Ion: 43 Resp: 1183
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#



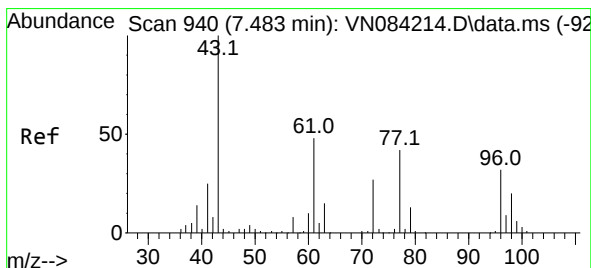
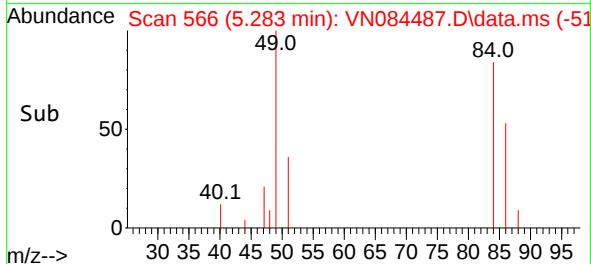
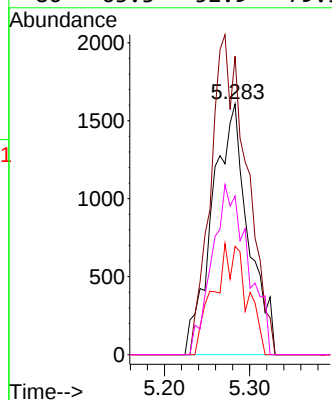


#20
Methylene Chloride
Concen: 1.932 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN084487.D
Acq: 24 Oct 2024 14:46

Instrument :
MSVOA_N
ClientSampleId :

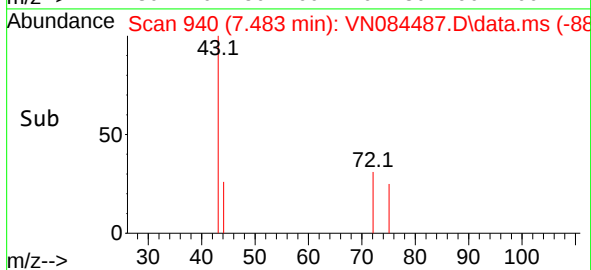
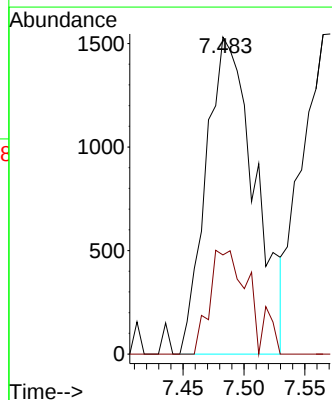
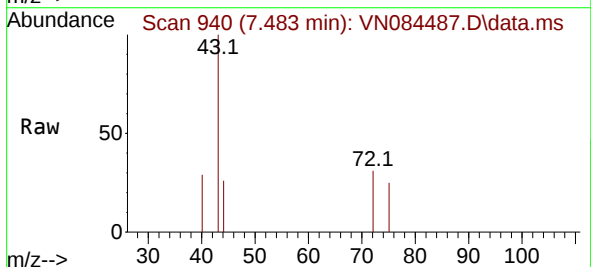


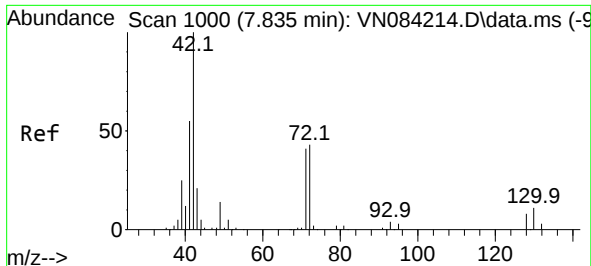
Tgt Ion: 84	Resp: 4738
Ion Ratio	Lower Upper
84 100	
49 119.0	107.2 160.8
51 43.2	31.8 47.8
86 63.3	52.9 79.3



#25
2-Butanone
Concen: 2.598 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN084487.D
Acq: 24 Oct 2024 14:46

Tgt Ion: 43	Resp: 4270		
Ion Ratio	Lower	Upper	
43 100			
72 31.3	21.4	32.2	





#29

Tetrahydrofuran

Concen: 0.802 ug/l

RT: 7.853 min Scan# 1003

Delta R.T. 0.018 min

Lab File: VN084487.D

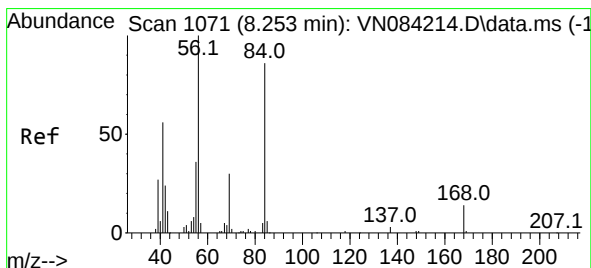
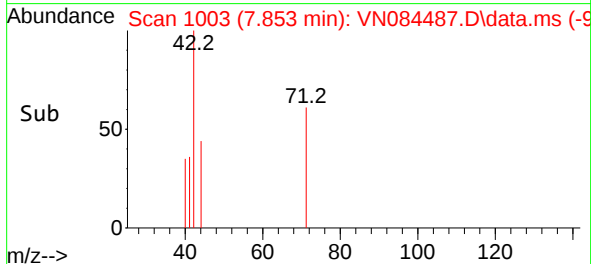
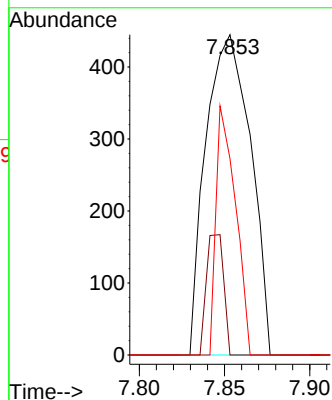
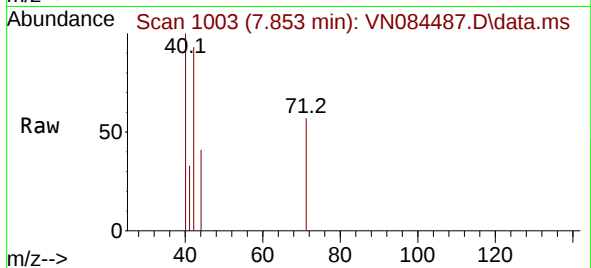
Acq: 24 Oct 2024 14:46

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	42	Resp:	813
Ion	Ratio	Lower	Upper
42	100		
72	14.4	34.6	51.8#
71	33.8	32.2	48.4



#31

Cyclohexane

Concen: 1.108 ug/l

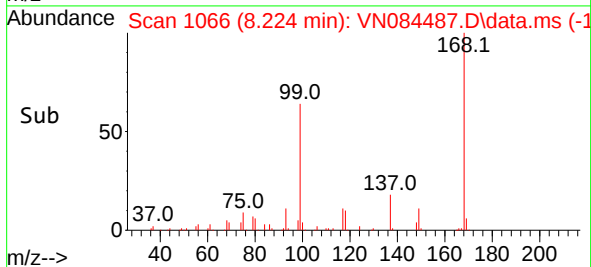
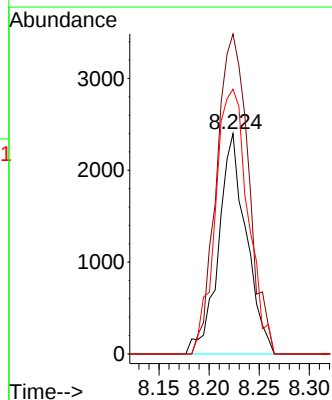
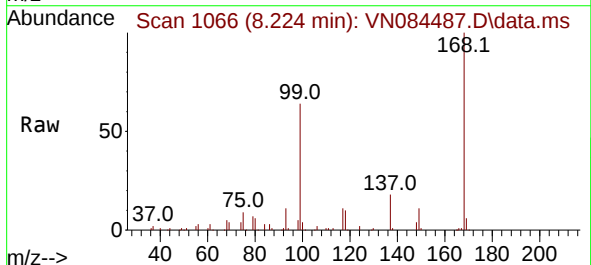
RT: 8.224 min Scan# 1066

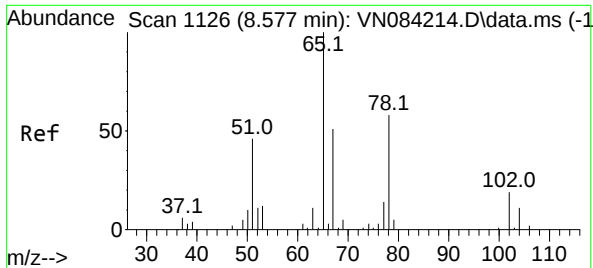
Delta R.T. -0.029 min

Lab File: VN084487.D

Acq: 24 Oct 2024 14:46

Tgt Ion:	56	Resp:	4610
Ion	Ratio	Lower	Upper
56	100		
69	145.2	23.8	35.6#
84	120.2	68.8	103.2#

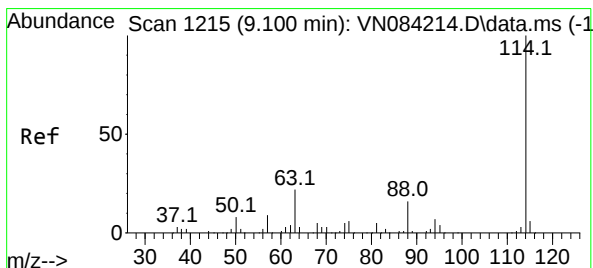
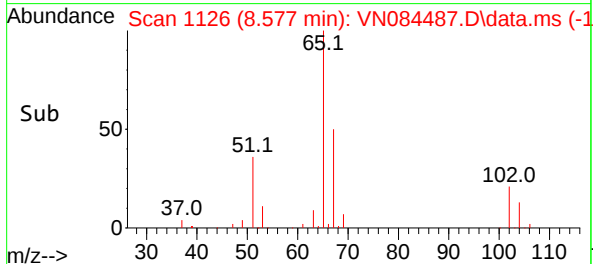
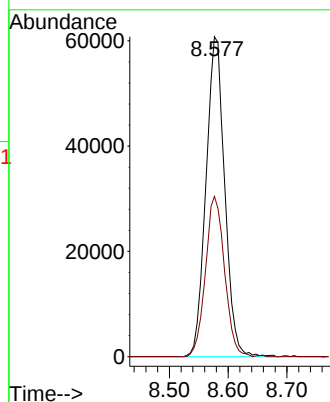
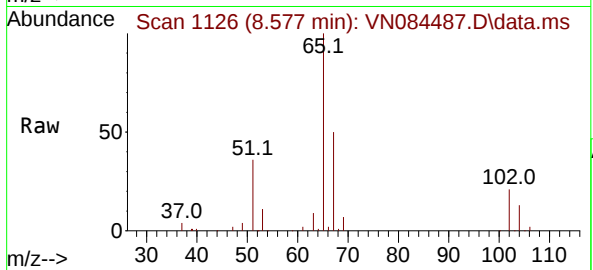




#33
 1,2-Dichloroethane-d4
 Concen: 47.986 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VN084487.D
 Acq: 24 Oct 2024 14:46

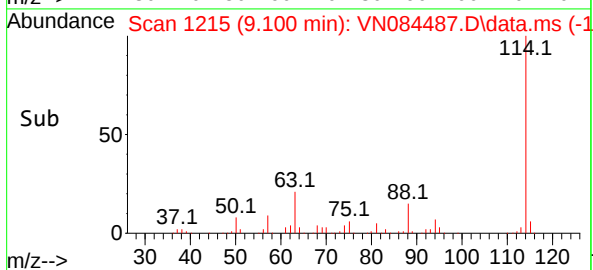
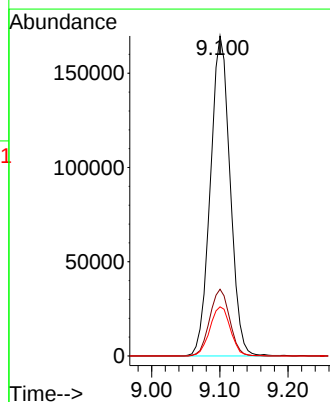
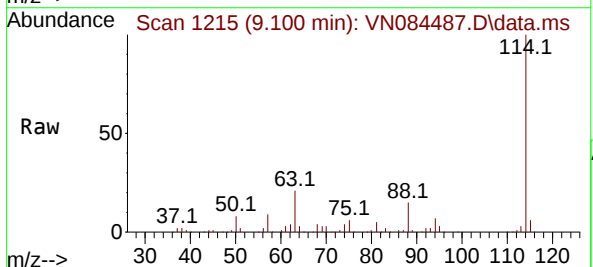
Instrument :
 MSVOA_N
 ClientSampleId :

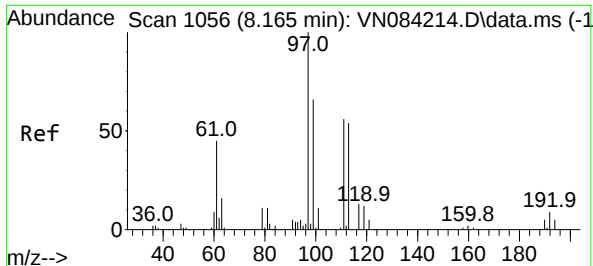
Tgt Ion: 65 Resp: 134797
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. 0.000 min
 Lab File: VN084487.D
 Acq: 24 Oct 2024 14:46

Tgt Ion: 114 Resp: 341993
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 43.8
 88 15.3 0.0 31.6





#35

Dibromofluoromethane

Concen: 47.260 ug/l

RT: 8.165 min Scan# 1065

Delta R.T. 0.000 min

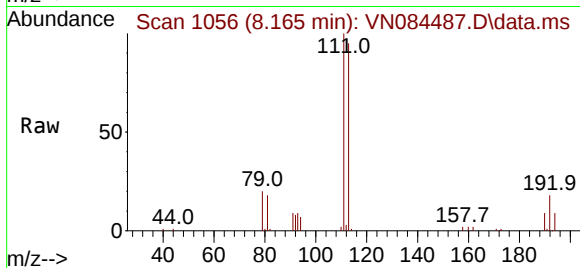
Lab File: VN084487.D

Acq: 24 Oct 2024 14:46

Instrument :

MSVOA_N

ClientSampleId :



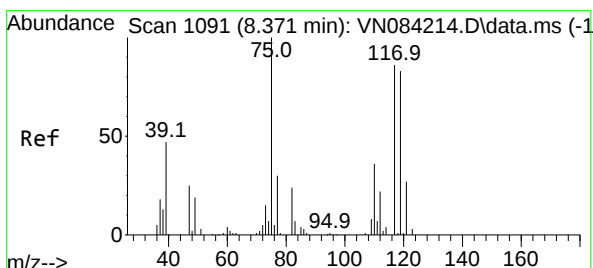
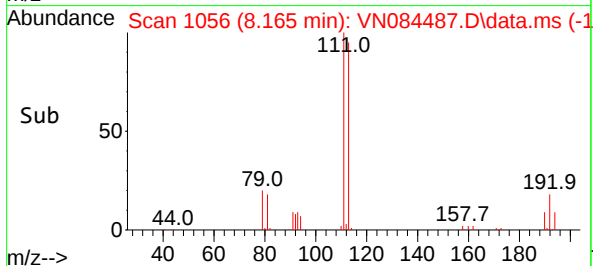
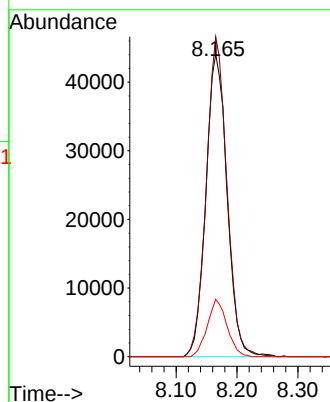
Tgt Ion:113 Resp: 106554

Ion Ratio Lower Upper

113 100

111 102.8 83.3 124.9

192 17.6 13.5 20.3



#36

1,1-Dichloropropene

Concen: 4.988 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN084487.D

Acq: 24 Oct 2024 14:46

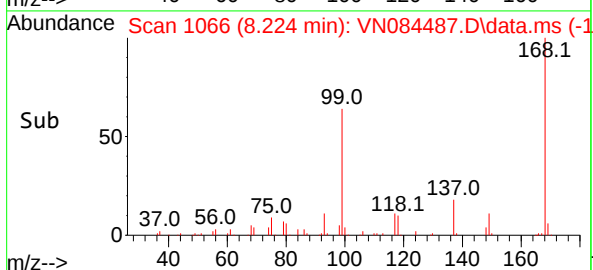
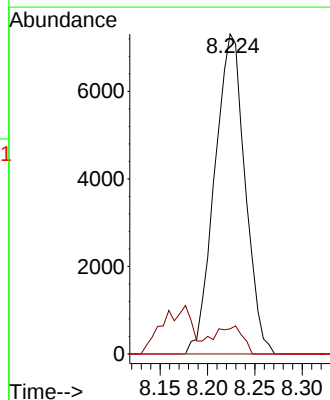
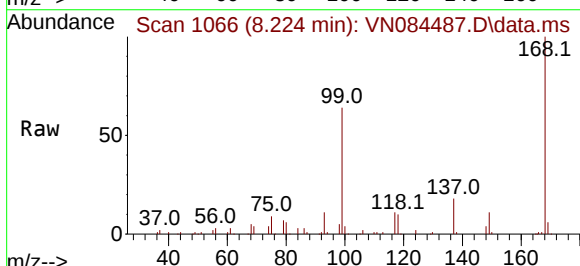
Tgt Ion: 75 Resp: 16335

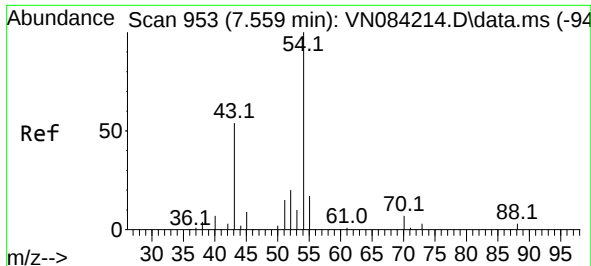
Ion Ratio Lower Upper

75 100

110 8.2 16.9 50.7#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.150 ug/l

RT: 7.571 min Scan# 91

Delta R.T. 0.012 min

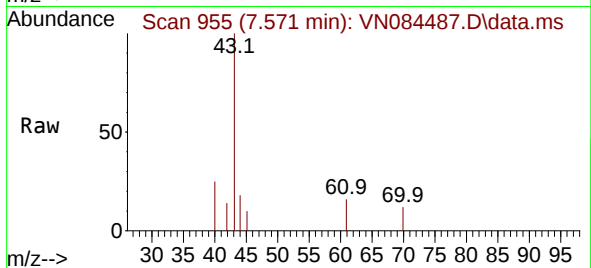
Lab File: VN084487.D

Acq: 24 Oct 2024 14:46

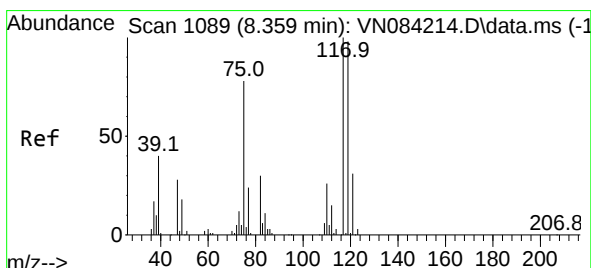
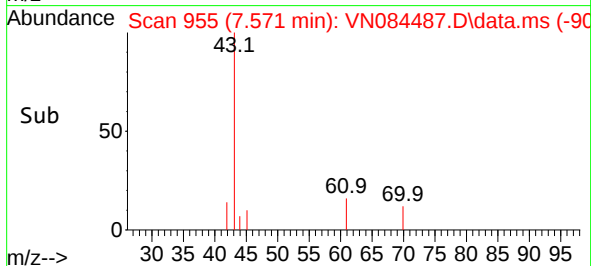
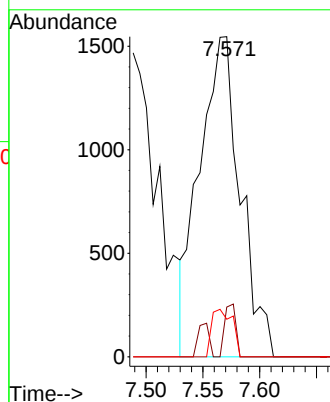
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	3863
Ion	Ratio	Lower	Upper
43	100		
61	4.5	10.7	16.1#
70	7.5	8.8	13.2#



#38

Carbon Tetrachloride

Concen: 5.767 ug/l

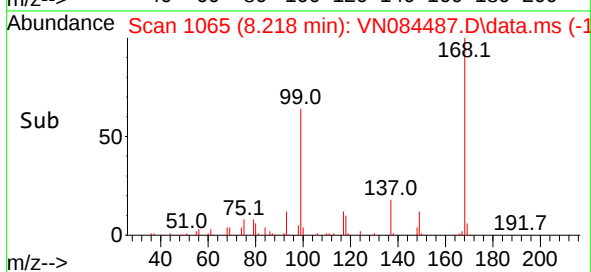
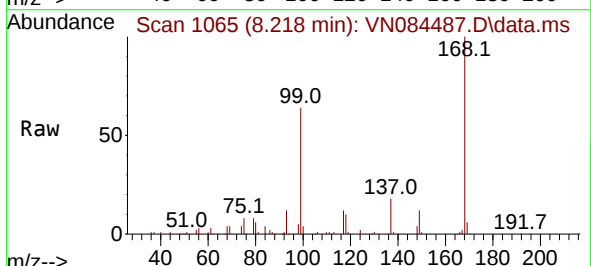
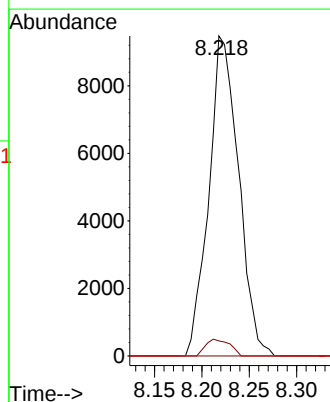
RT: 8.218 min Scan# 1065

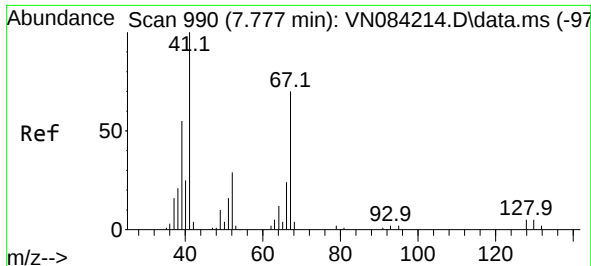
Delta R.T. -0.141 min

Lab File: VN084487.D

Acq: 24 Oct 2024 14:46

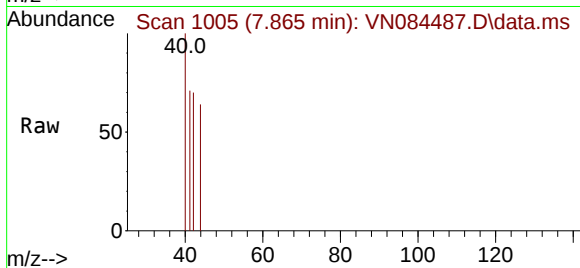
Tgt Ion:	117	Resp:	20716
Ion	Ratio	Lower	Upper
117	100		
119	4.7	78.7	118.1#
121	0.0	24.4	36.6#



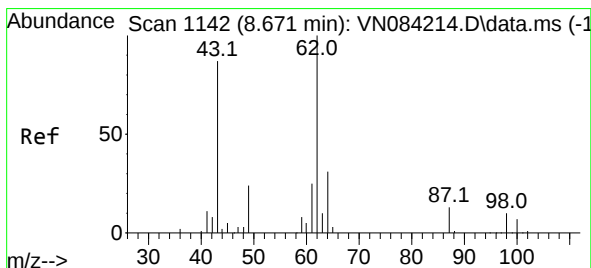
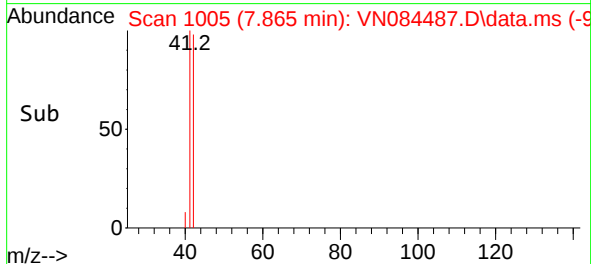
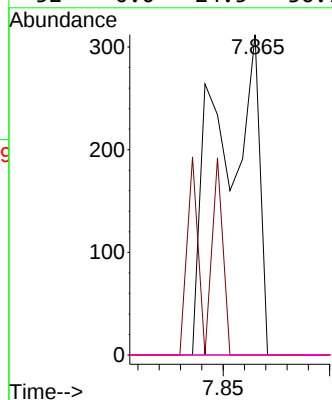


#41
Methacrylonitrile
Concen: 0.225 ug/l
RT: 7.865 min Scan# 1105
Delta R.T. 0.088 min
Lab File: VN084487.D
Acq: 24 Oct 2024 14:46

Instrument :
MSVOA_N
ClientSampleId :

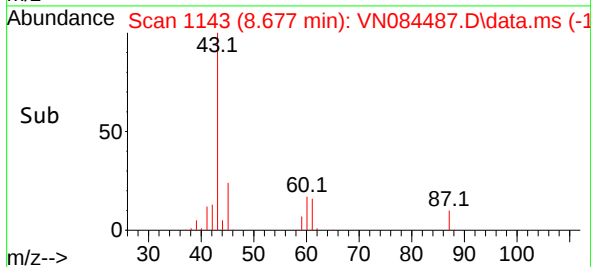
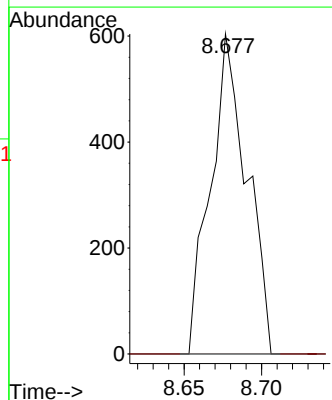
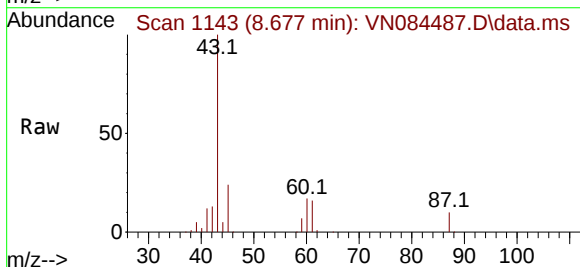


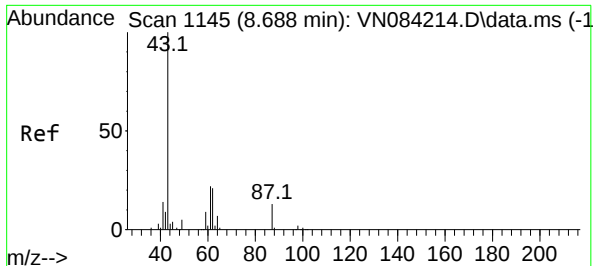
Tgt Ion:	41	Resp:	410
Ion	Ratio	Lower	Upper
41	100		
39	0.0	43.3	64.9#
67	0.0	56.1	84.1#
52	0.0	24.5	36.7#



#42
1,2-Dichloroethane
Concen: 0.285 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN084487.D
Acq: 24 Oct 2024 14:46

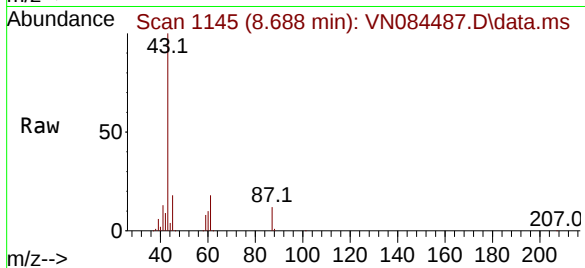
Tgt Ion:	62	Resp:	985
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	18.2



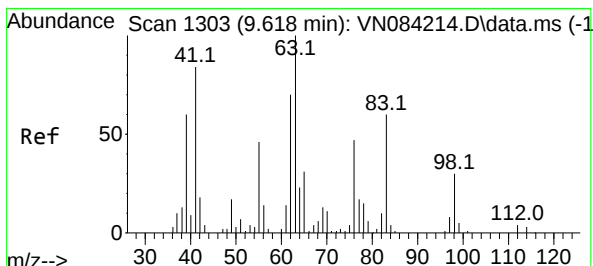
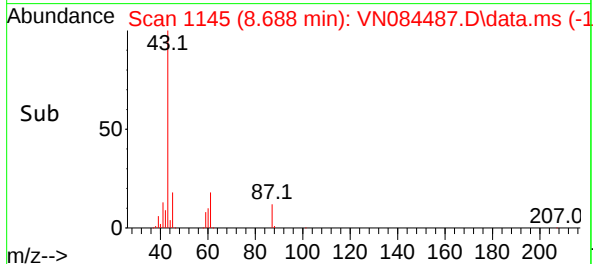
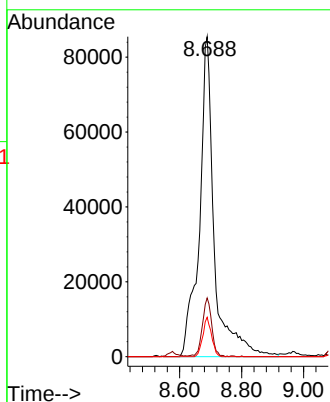


#43
Isopropyl Acetate
Concen: 43.295 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084487.D
Acq: 24 Oct 2024 14:46

Instrument :
MSVOA_N
ClientSampleId :

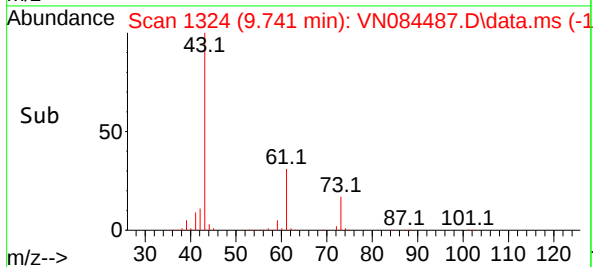
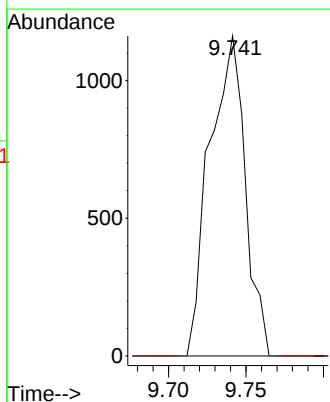
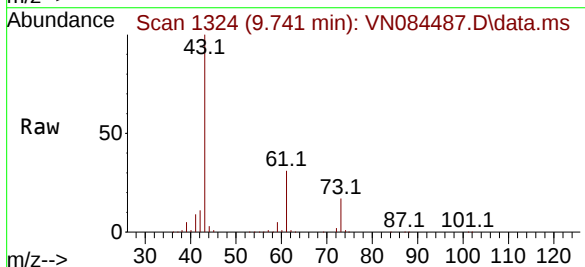


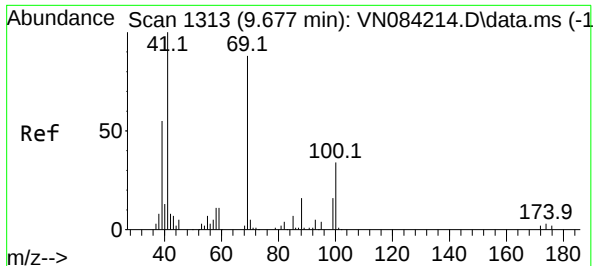
Tgt Ion: 43 Resp: 284916
Ion Ratio Lower Upper
43 100
61 11.6 20.4 30.6#
87 7.2 10.3 15.5#



#45
1,2-Dichloropropane
Concen: 0.769 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.124 min
Lab File: VN084487.D
Acq: 24 Oct 2024 14:46

Tgt Ion: 63 Resp: 1855
Ion Ratio Lower Upper
63 100
65 0.0 24.6 37.0#





#48

Methyl methacrylate

Concen: 1.685 ug/l

RT: 9.665 min Scan# 11

Delta R.T. -0.012 min

Lab File: VN084487.D

Acq: 24 Oct 2024 14:46

Instrument :

MSVOA_N

ClientSampleId :

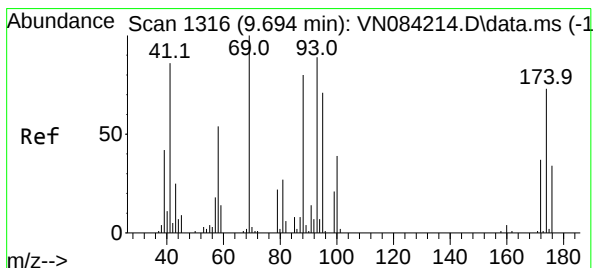
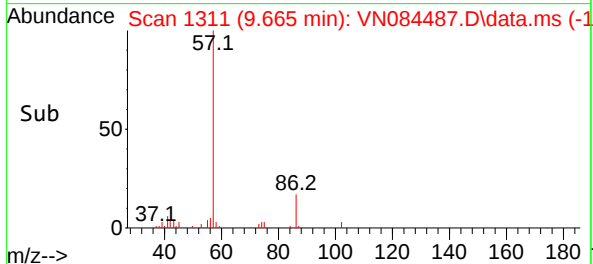
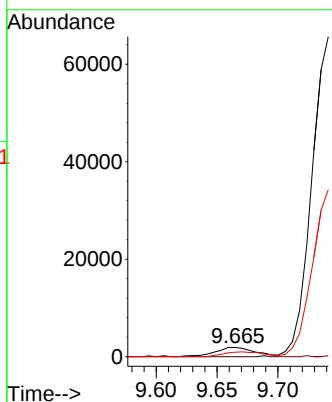
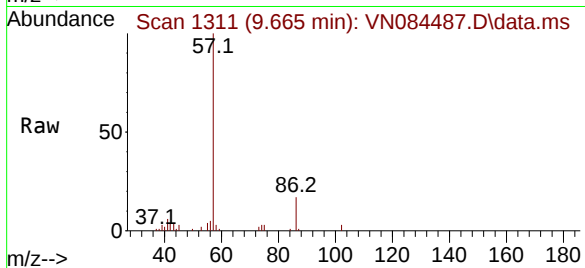
Tgt Ion: 41 Resp: 4415

Ion Ratio Lower Upper

41 100

69 0.0 67.1 100.7#

39 50.3 45.8 68.6



#49

1,4-Dioxane

Concen: 3.836 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.047 min

Lab File: VN084487.D

Acq: 24 Oct 2024 14:46

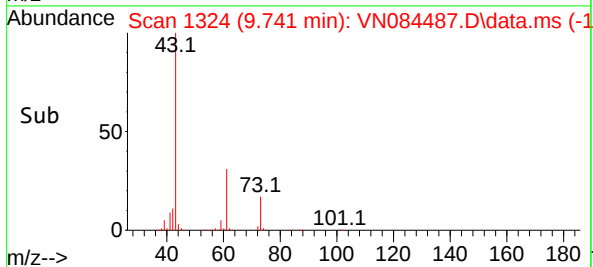
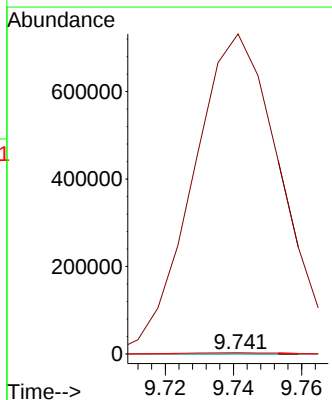
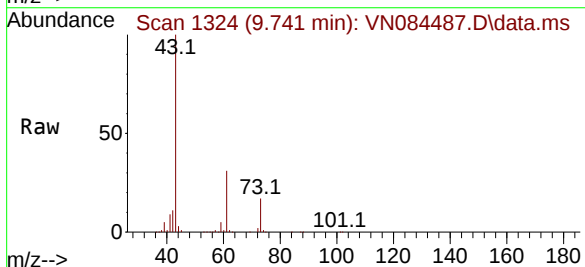
Tgt Ion: 88 Resp: 185

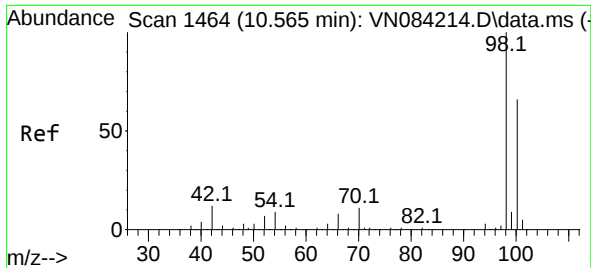
Ion Ratio Lower Upper

88 100

43 716037.8 25.3 37.9#

58 3204.9 56.4 84.6#

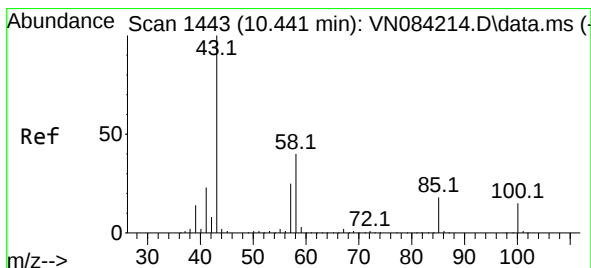
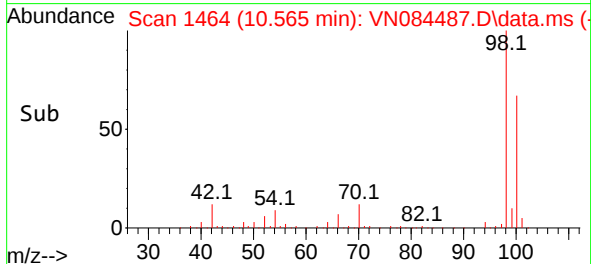
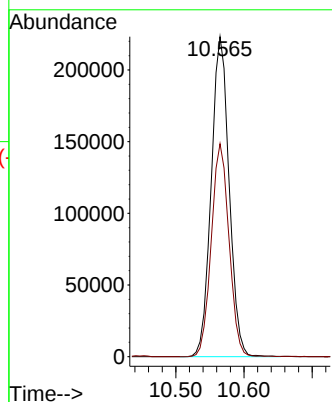
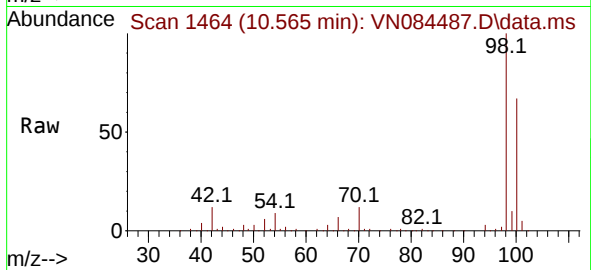




#50
Toluene-d8
Concen: 49.156 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084487.D
Acq: 24 Oct 2024 14:46

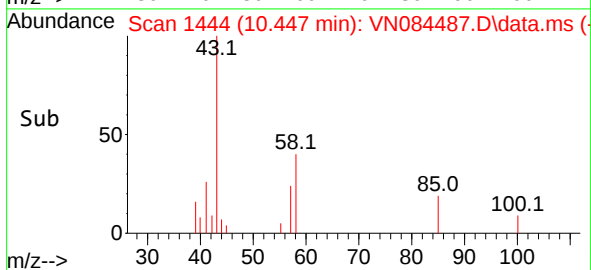
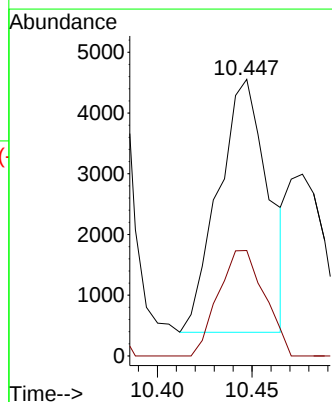
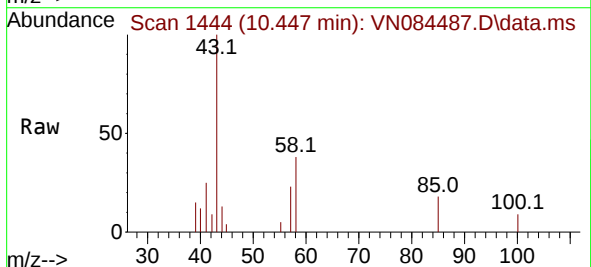
Instrument :
MSVOA_N
ClientSampleId :

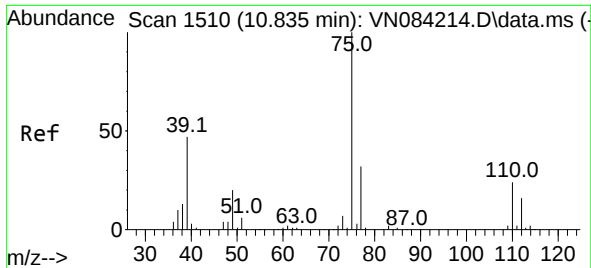
Tgt Ion: 98 Resp: 407750
Ion Ratio Lower Upper
98 100
100 65.9 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 2.388 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN084487.D
Acq: 24 Oct 2024 14:46

Tgt Ion: 43 Resp: 7639
Ion Ratio Lower Upper
43 100
58 38.6 31.6 47.4

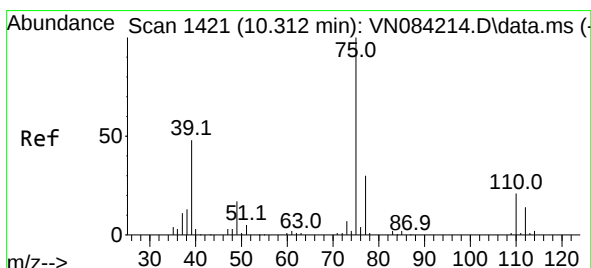
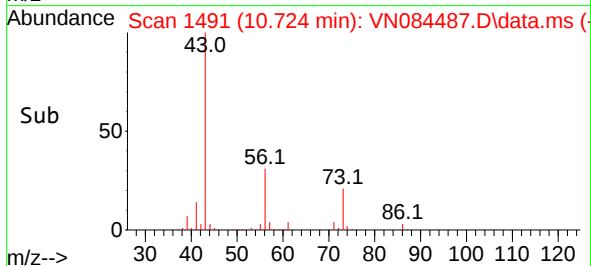
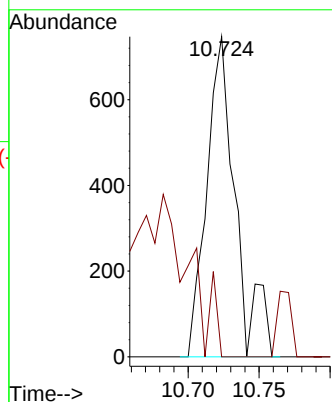
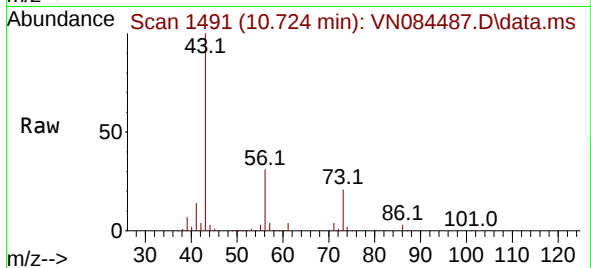




#53
 t-1,3-Dichloropropene
 Concen: 0.287 ug/l
 RT: 10.724 min Scan# 1491
 Delta R.T. -0.112 min
 Lab File: VN084487.D
 Acq: 24 Oct 2024 14:46

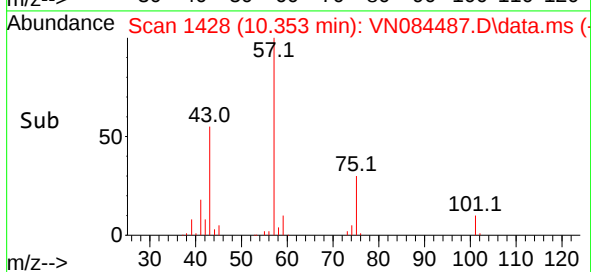
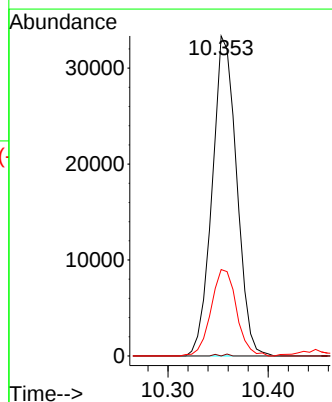
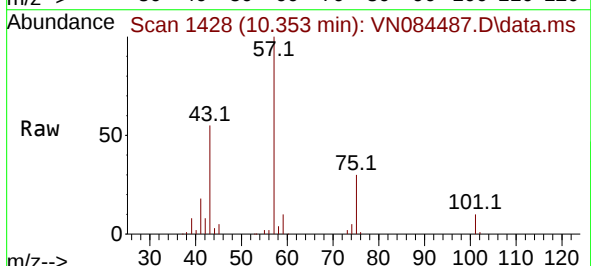
Instrument :
 MSVOA_N
 ClientSampleId :

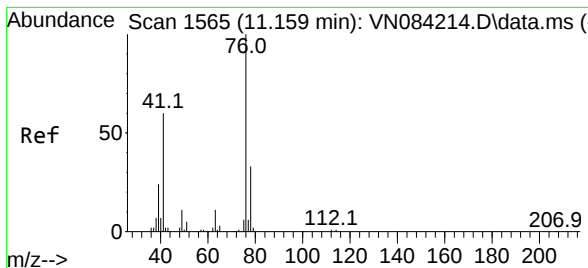
Tgt Ion: 75 Resp: 1058
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 14.251 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.041 min
 Lab File: VN084487.D
 Acq: 24 Oct 2024 14:46

Tgt Ion: 75 Resp: 56545
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.2 36.2#
 39 27.0 38.7 58.1#

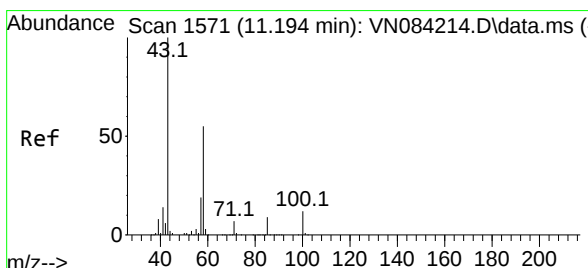
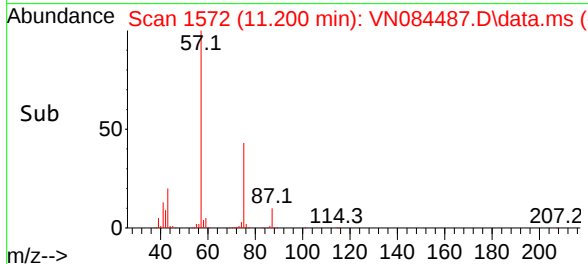
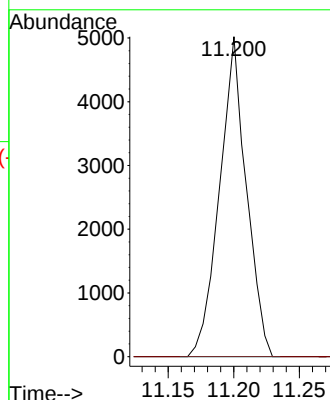
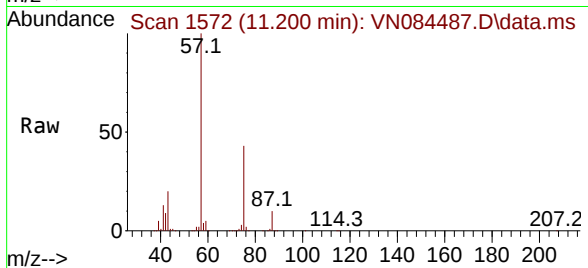




#57
1,3-Dichloropropane
Concen: 1.789 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN084487.D
Acq: 24 Oct 2024 14:46

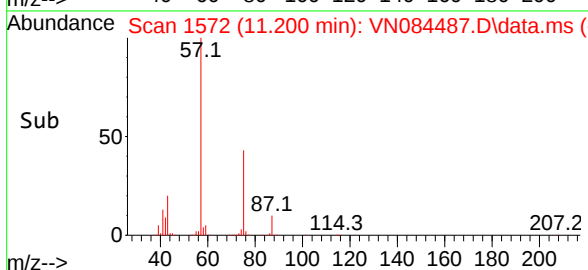
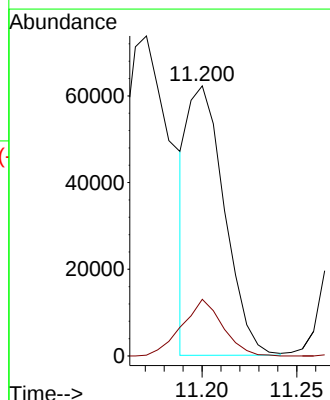
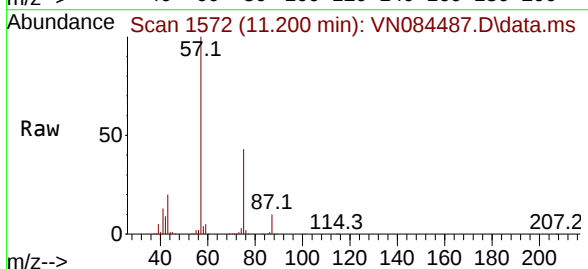
Instrument :
MSVOA_N
ClientSampleId :

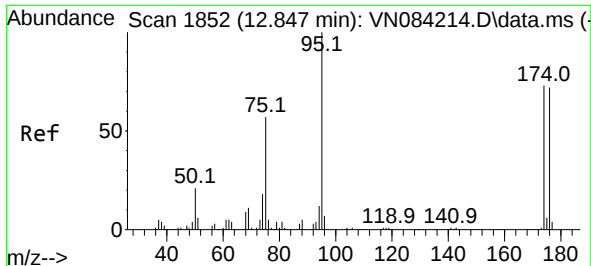
Tgt Ion: 76 Resp: 7132
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#



#59
2-Hexanone
Concen: 34.954 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN084487.D
Acq: 24 Oct 2024 14:46

Tgt Ion: 43 Resp: 83558
Ion Ratio Lower Upper
43 100
58 23.4 27.3 81.8#





#62

4-Bromofluorobenzene

Concen: 46.856 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.000 min

Lab File: VN084487.D

Acq: 24 Oct 2024 14:46

Instrument :

MSVOA_N

ClientSampleId :

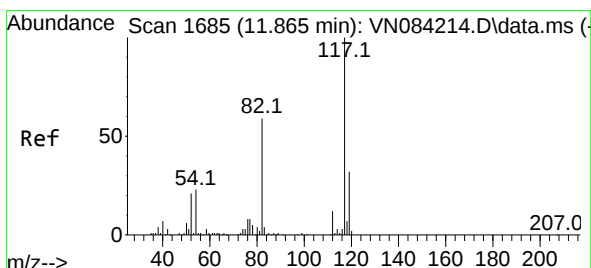
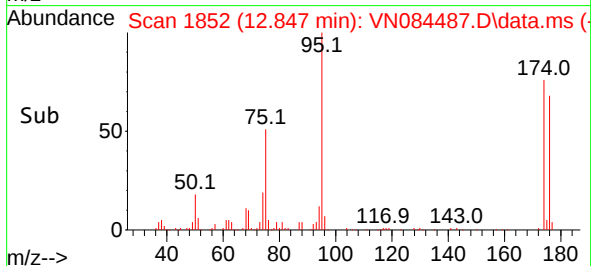
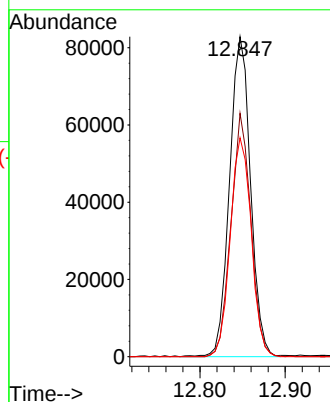
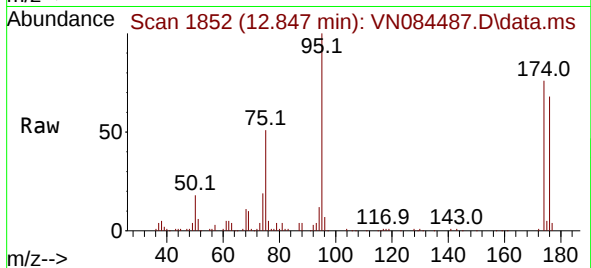
Tgt Ion: 95 Resp: 141597

Ion Ratio Lower Upper

95 100

174 72.2 0.0 145.2

176 68.4 0.0 140.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VN084487.D

Acq: 24 Oct 2024 14:46

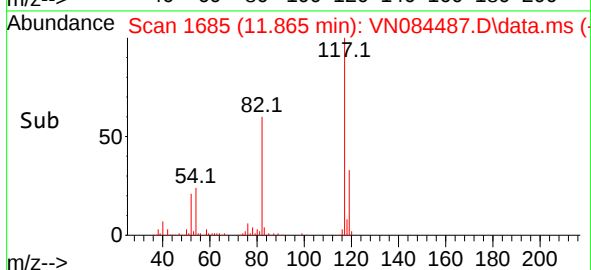
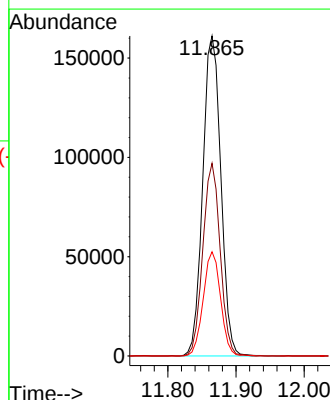
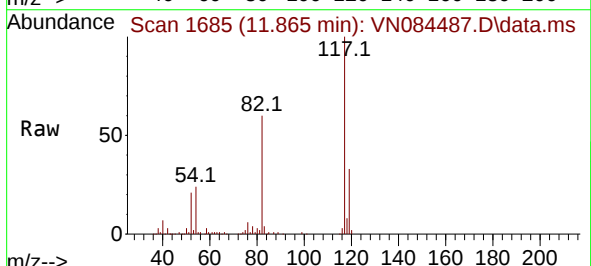
Tgt Ion: 117 Resp: 297581

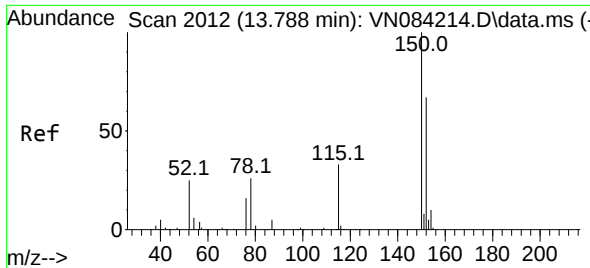
Ion Ratio Lower Upper

117 100

82 60.2 47.2 70.8

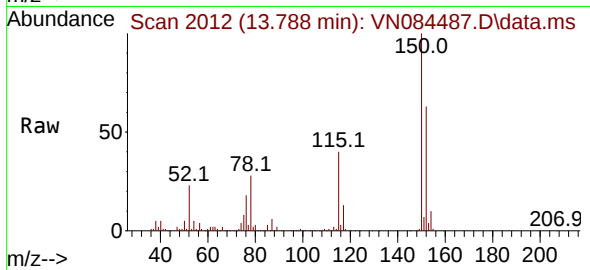
119 32.5 25.4 38.0



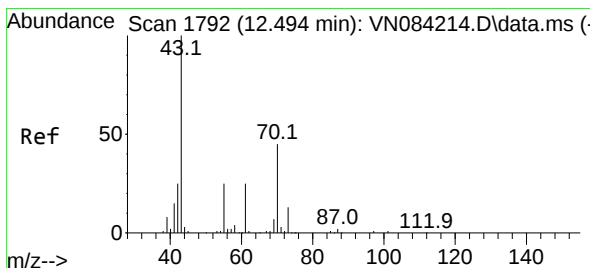
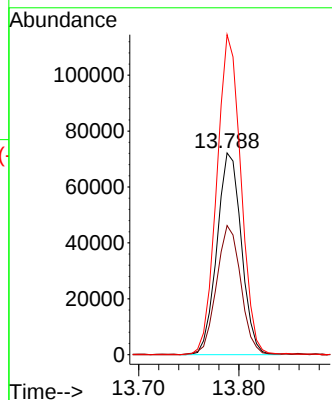
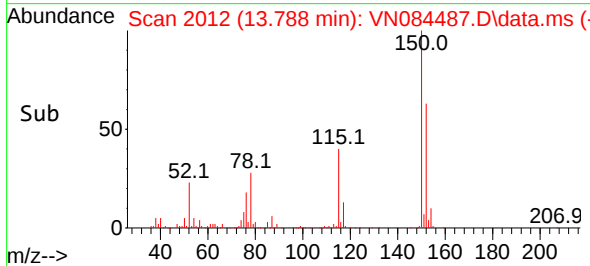


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. 0.000 min
 Lab File: VN084487.D
 Acq: 24 Oct 2024 14:46

Instrument :
 MSVOA_N
 ClientSampleId :

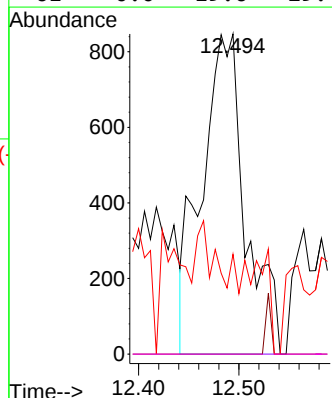
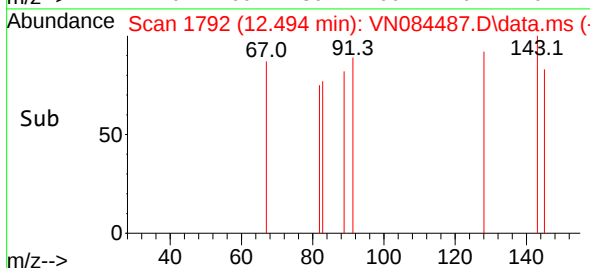
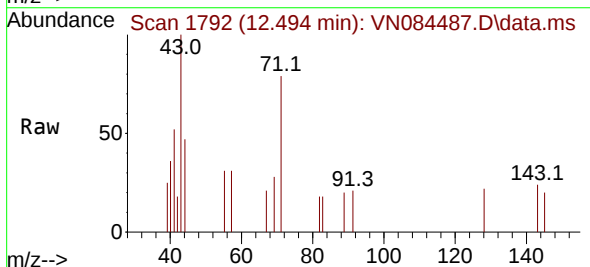


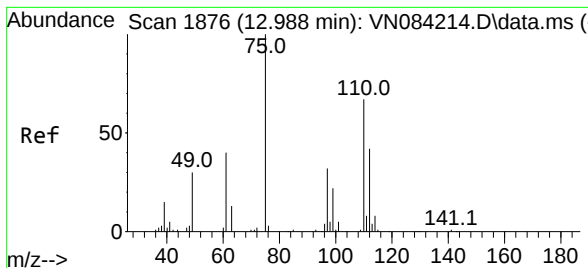
Tgt Ion:152 Resp: 121977
 Ion Ratio Lower Upper
 152 100
 115 64.1 31.3 93.9
 150 156.8 0.0 349.8



#74
 N-ethyl acetate
 Concen: 0.614 ug/l
 RT: 12.494 min Scan# 1792
 Delta R.T. 0.000 min
 Lab File: VN084487.D
 Acq: 24 Oct 2024 14:46

Tgt Ion: 43 Resp: 2588
 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: 29.532 ug/l

RT: 12.847 min Scan# 11

Delta R.T. -0.141 min

Lab File: VN084487.D

Acq: 24 Oct 2024 14:46

Instrument :

MSVOA_N

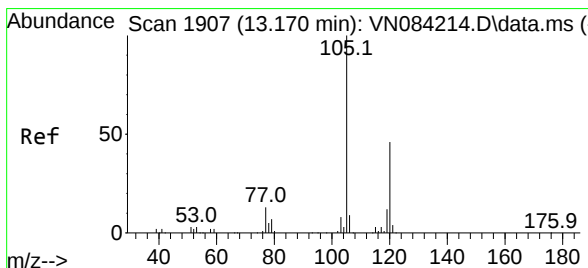
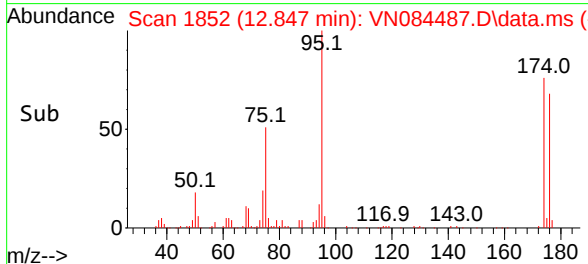
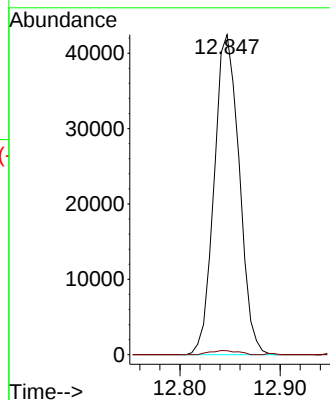
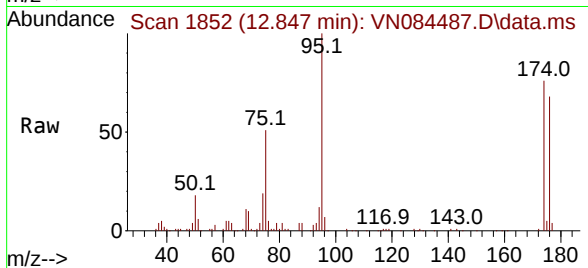
ClientSampleId :

Tgt Ion: 75 Resp: 73541

Ion Ratio Lower Upper

75 100

77 1.5 96.9 290.7#



#80

1,3,5-Trimethylbenzene

Concen: 0.208 ug/l

RT: 13.176 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VN084487.D

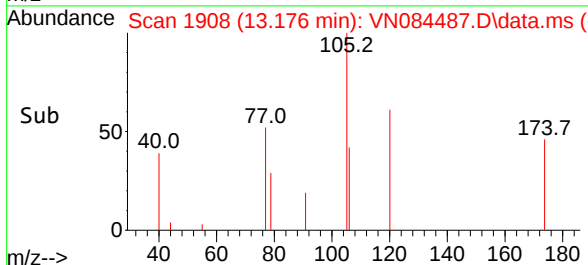
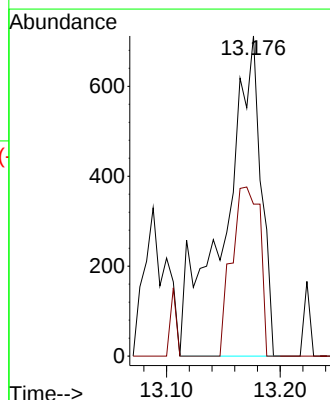
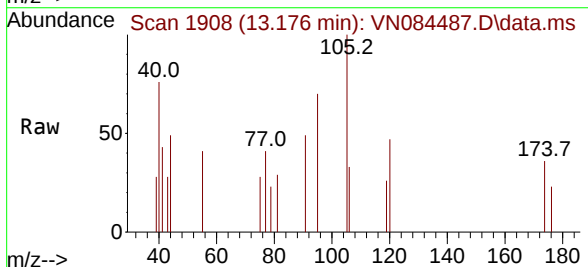
Acq: 24 Oct 2024 14:46

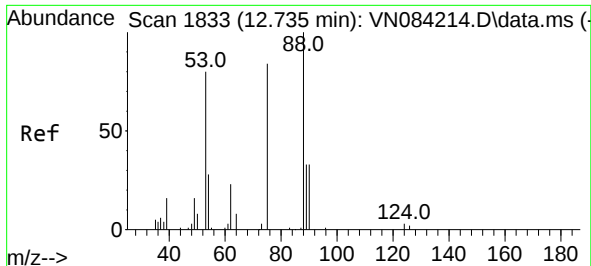
Tgt Ion:105 Resp: 1578

Ion Ratio Lower Upper

105 100

120 41.1 23.7 71.1

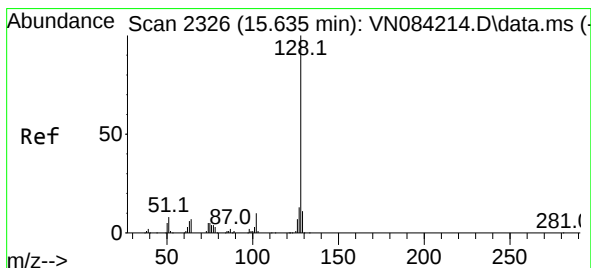
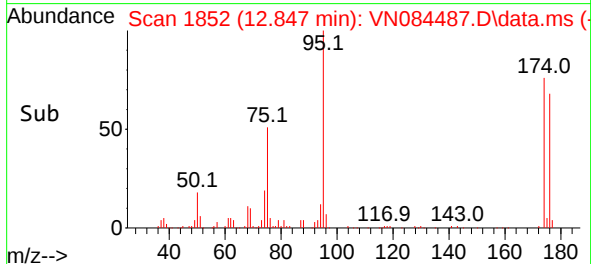
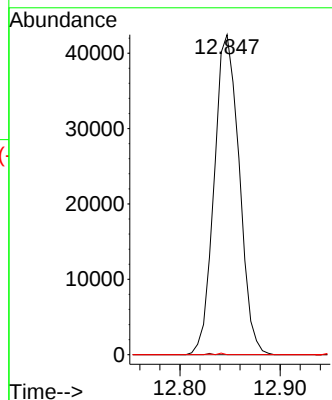
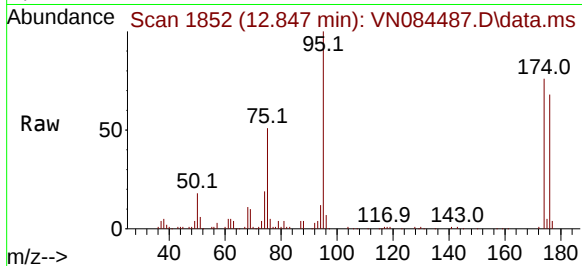




#81
trans-1,4-Dichloro-2-butene
Concen: 70.802 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084487.D
Acq: 24 Oct 2024 14:46

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 73541
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.1 35.5 53.3#



#95
Naphthalene
Concen: 0.244 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.012 min
Lab File: VN084487.D
Acq: 24 Oct 2024 14:46

Tgt Ion:128 Resp: 1648
Ion Ratio Lower Upper
128 100
127 3.8 10.5 15.7#
129 9.7 8.7 13.1

