

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102424\
 Data File : VN084495.D
 Acq On : 24 Oct 2024 17:57
 Operator : JC\MD
 Sample : PB164373TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 25 02:05:00 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)

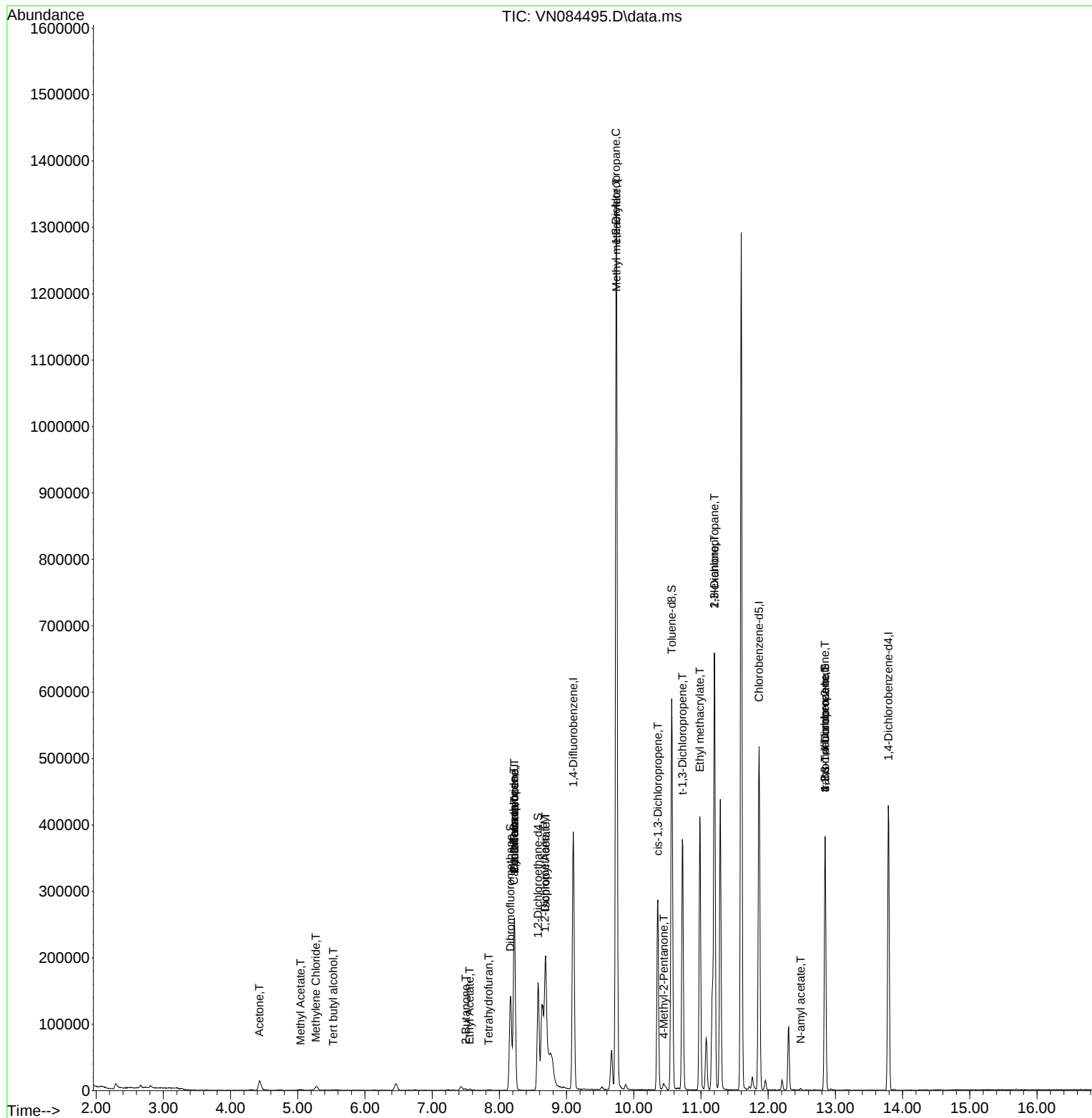
Internal Standards						
1) Pentafluorobenzene	8.224	168	183090	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	333674	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	290952	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	114469	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	131137	48.307	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.620%		
35) Dibromofluoromethane	8.165	113	105274	47.856	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.720%		
50) Toluene-d8	10.565	98	402531	49.737	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.480%		
62) 4-Bromofluorobenzene	12.847	95	131170	44.488	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	88.980%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.530	59	354	0.791	ug/l #	73
16) Acetone	4.430	43	27442	23.532	ug/l	94
18) Methyl Acetate	5.041	43	2914	1.146	ug/l #	56
20) Methylene Chloride	5.271	84	4855	2.048	ug/l #	74
25) 2-Butanone	7.500	43	4393	2.766	ug/l	97
29) Tetrahydrofuran	7.841	42	651	0.664	ug/l #	58
31) Cyclohexane	8.224	56	4074	1.013	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	15535	4.862	ug/l #	51
37) Ethyl Acetate	7.559	43	3544	1.081	ug/l #	74
38) Carbon Tetrachloride	8.218	117	20601	5.878	ug/l #	15
42) 1,2-Dichloroethane	8.677	62	1346	0.399	ug/l #	75
43) Isopropyl Acetate	8.688	43	207311	32.288	ug/l #	85
45) 1,2-Dichloropropane	9.735	63	1828	0.776	ug/l #	44
48) Methyl methacrylate	9.741	41	116464	45.566	ug/l #	41
51) 4-Methyl-2-Pentanone	10.447	43	11183	3.584	ug/l #	70
53) t-1,3-Dichloropropene	10.723	75	790	0.219	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	54288	14.023	ug/l #	59
56) Ethyl methacrylate	10.982	69	1606	0.448	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	7028	1.807	ug/l #	42
59) 2-Hexanone	11.200	43	80506	34.517	ug/l #	56
74) N-amyl acetate	12.482	43	1467	0.371	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	68339	29.243	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	68339	70.109	ug/l #	11

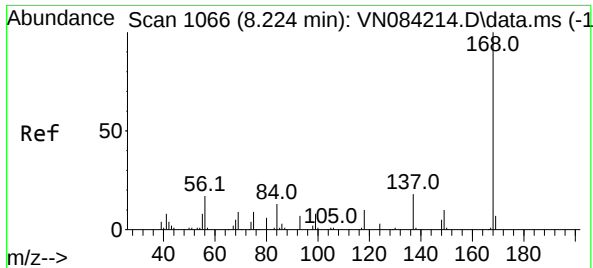
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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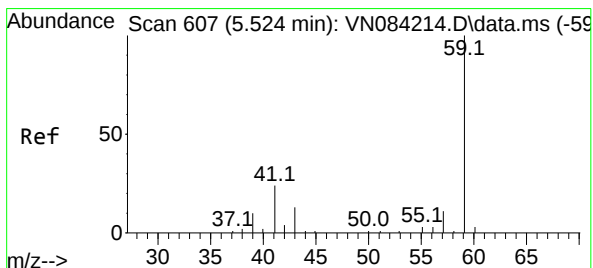
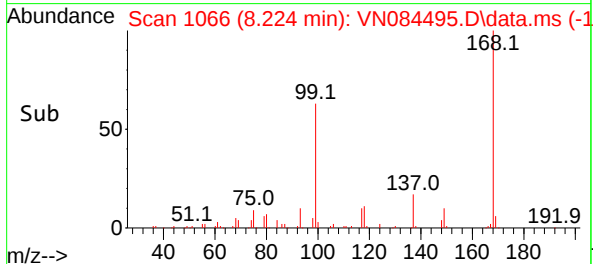
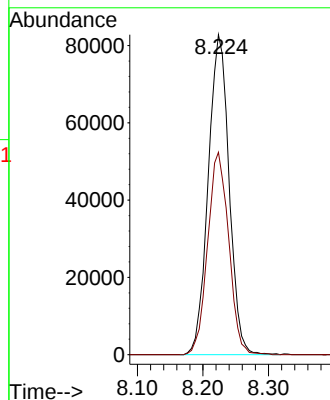
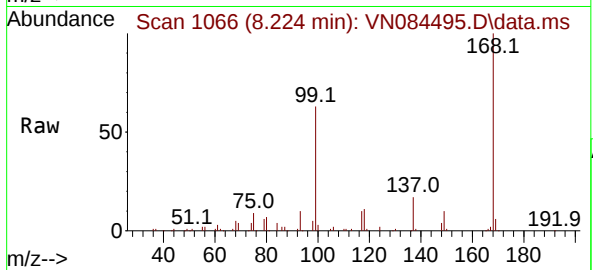




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084495.D
Acq: 24 Oct 2024 17:57

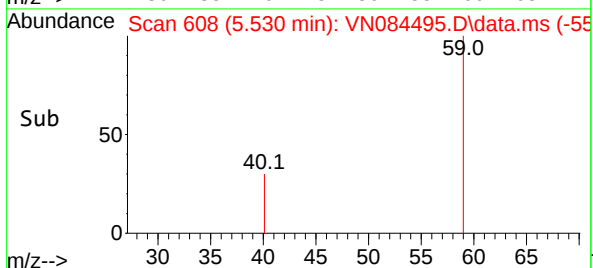
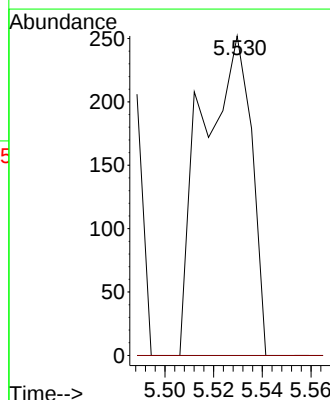
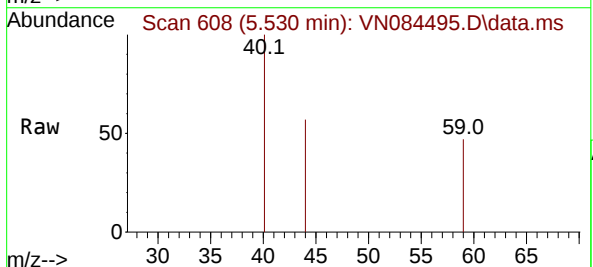
Instrument :
MSVOA_N
ClientSampleId :

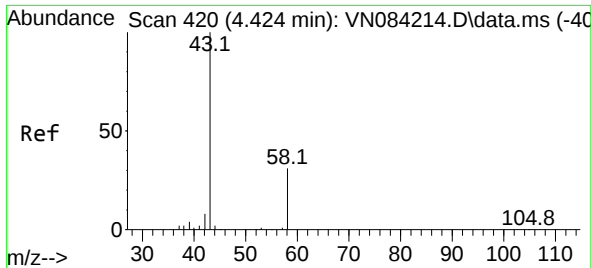
Tgt Ion:168 Resp: 183090
Ion Ratio Lower Upper
168 100
99 63.3 54.2 81.2



#11
Tert butyl alcohol
Concen: 0.791 ug/l
RT: 5.530 min Scan# 608
Delta R.T. 0.006 min
Lab File: VN084495.D
Acq: 24 Oct 2024 17:57

Tgt Ion: 59 Resp: 354
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#16

Acetone

Concen: 23.532 ug/l

RT: 4.430 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN084495.D

Acq: 24 Oct 2024 17:57

Instrument :

MSVOA_N

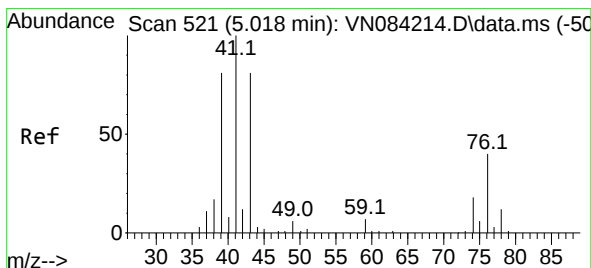
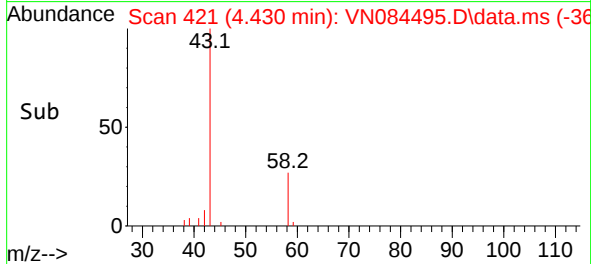
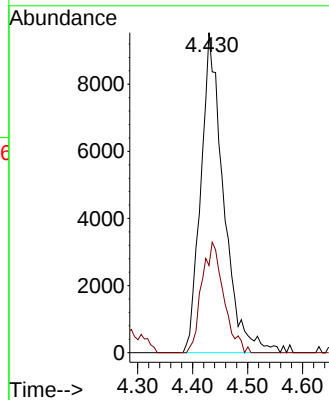
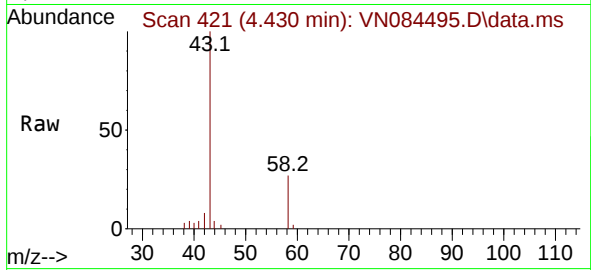
ClientSampleId :

Tgt Ion: 43 Resp: 27442

Ion Ratio Lower Upper

43 100

58 27.2 24.4 36.6



#18

Methyl Acetate

Concen: 1.146 ug/l

RT: 5.041 min Scan# 525

Delta R.T. 0.023 min

Lab File: VN084495.D

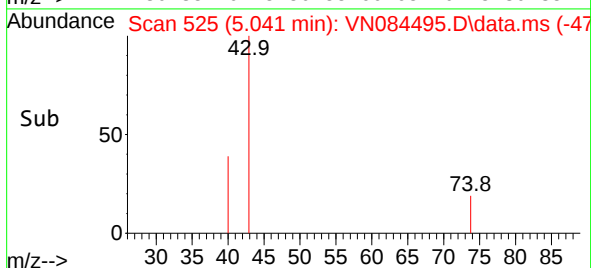
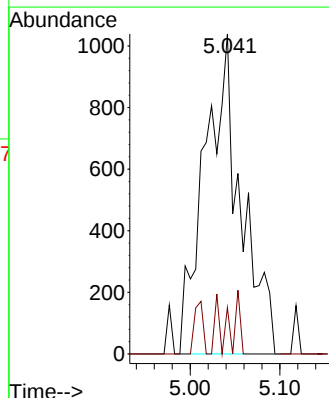
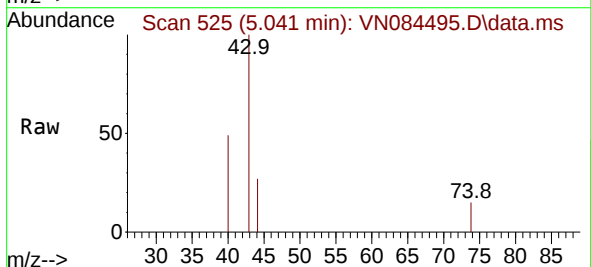
Acq: 24 Oct 2024 17:57

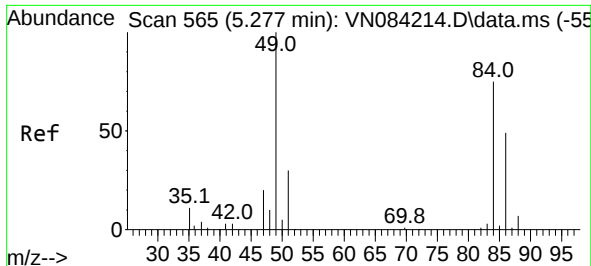
Tgt Ion: 43 Resp: 2914

Ion Ratio Lower Upper

43 100

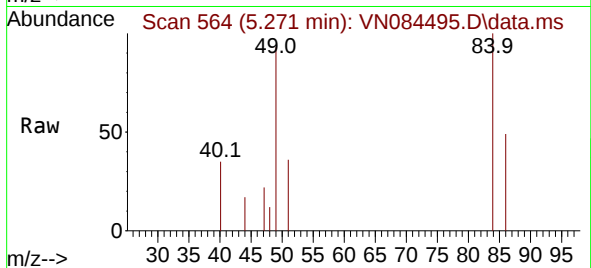
74 2.4 19.2 28.8#



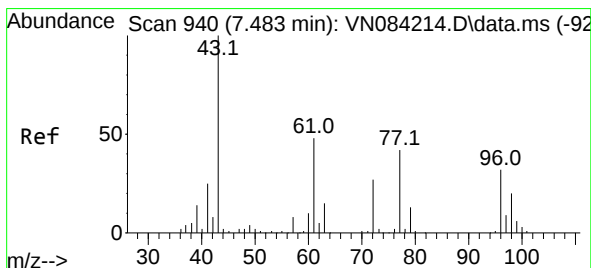
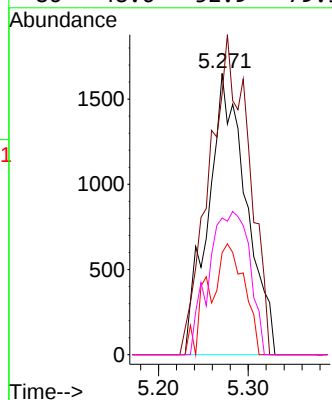


#20
Methylene Chloride
Concen: 2.048 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN084495.D
Acq: 24 Oct 2024 17:57

Instrument :
MSVOA_N
ClientSampleId :

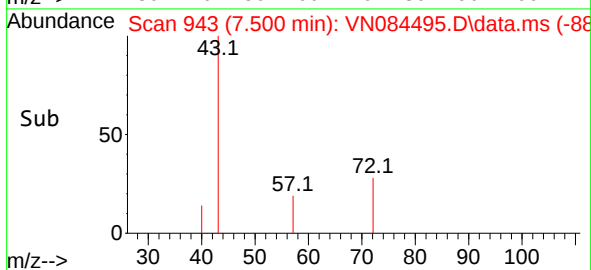
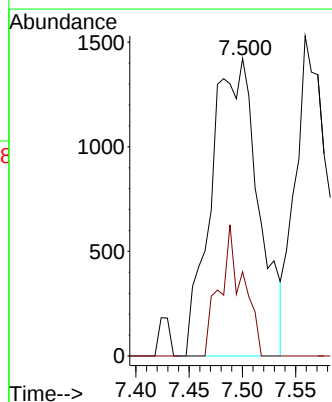
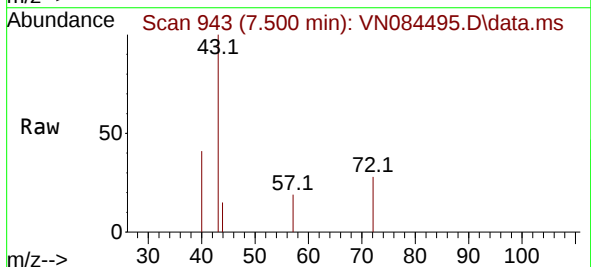


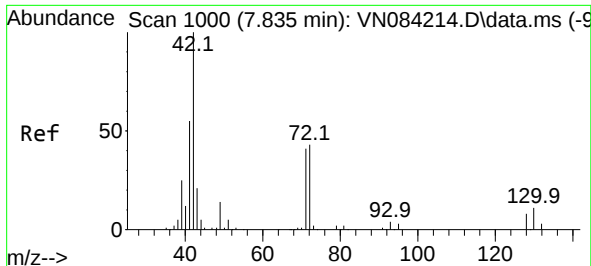
Tgt Ion: 84	Resp: 4855
Ion Ratio	Lower Upper
84 100	
49 92.8	107.2 160.8#
51 36.2	31.8 47.8
86 48.6	52.9 79.3#



#25
2-Butanone
Concen: 2.766 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.018 min
Lab File: VN084495.D
Acq: 24 Oct 2024 17:57

Tgt Ion: 43	Resp: 4393		
Ion Ratio	Lower	Upper	
43 100			
72 28.3	21.4	32.2	





#29

Tetrahydrofuran

Concen: 0.664 ug/l

RT: 7.841 min Scan# 1066

Delta R.T. 0.006 min

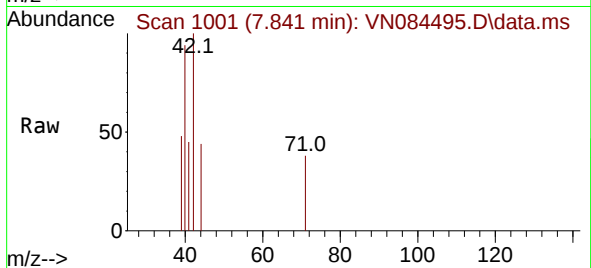
Lab File: VN084495.D

Acq: 24 Oct 2024 17:57

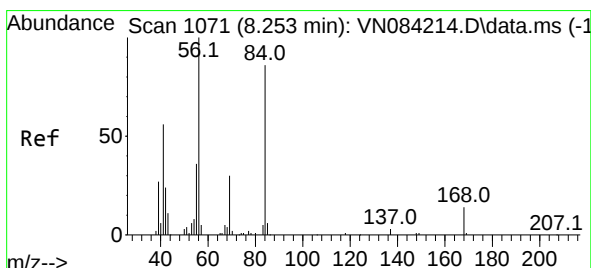
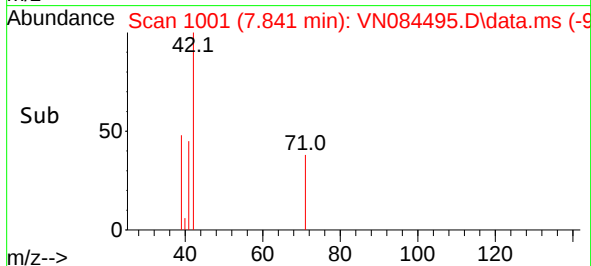
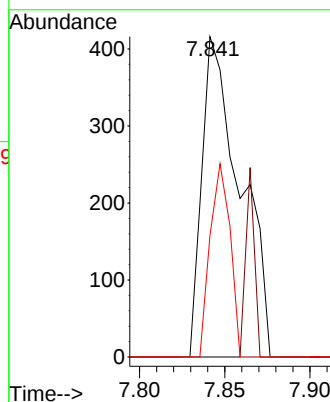
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	651
Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.6	51.8#
71	31.3	32.2	48.4#



#31

Cyclohexane

Concen: 1.013 ug/l

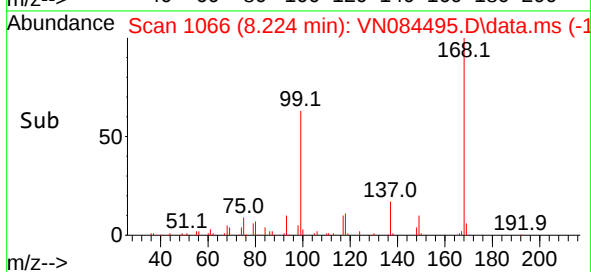
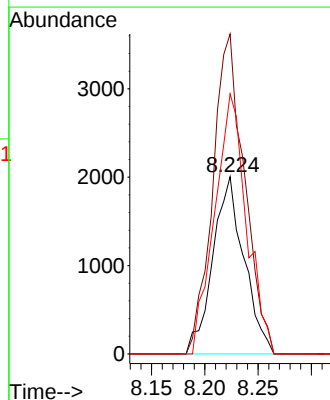
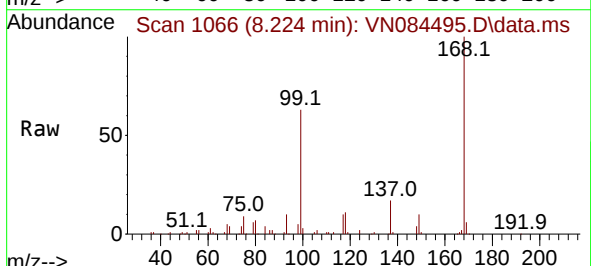
RT: 8.224 min Scan# 1066

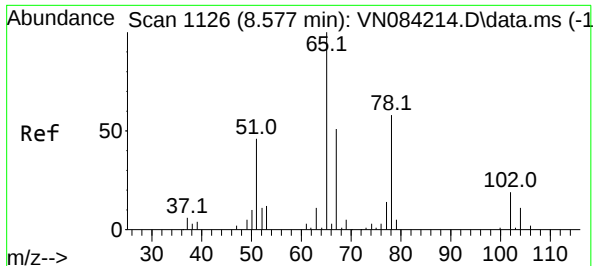
Delta R.T. -0.030 min

Lab File: VN084495.D

Acq: 24 Oct 2024 17:57

Tgt Ion:	56	Resp:	4074
Ion	Ratio	Lower	Upper
56	100		
69	180.5	23.8	35.6#
84	146.7	68.8	103.2#





#33

1,2-Dichloroethane-d4

Concen: 48.307 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN084495.D

Acq: 24 Oct 2024 17:57

Instrument :

MSVOA_N

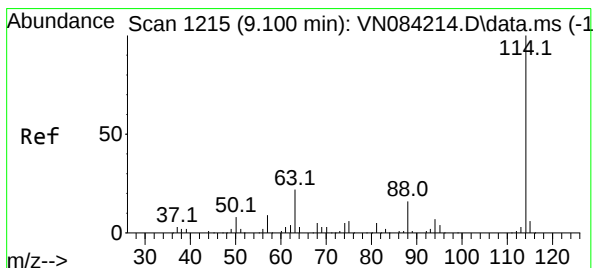
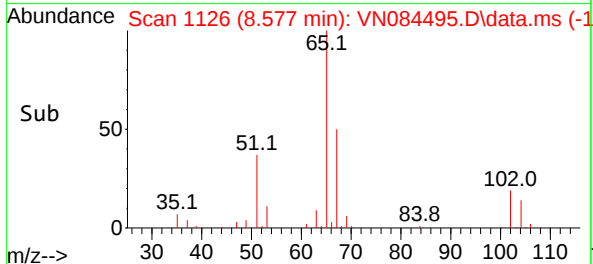
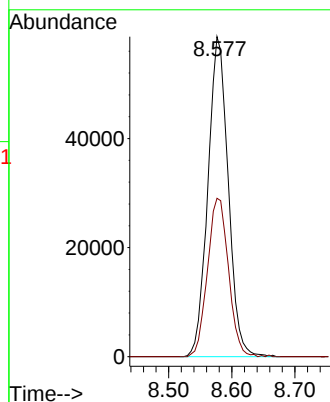
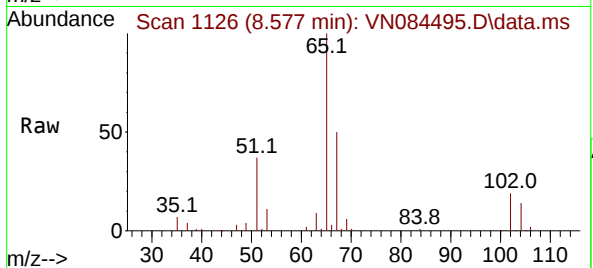
ClientSampleId :

Tgt Ion: 65 Resp: 131137

Ion Ratio Lower Upper

65 100

67 51.1 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: VN084495.D

Acq: 24 Oct 2024 17:57

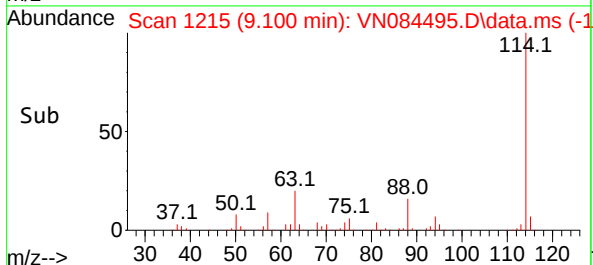
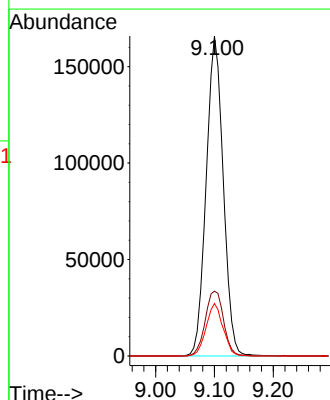
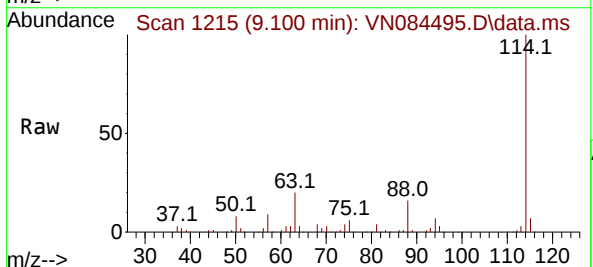
Tgt Ion: 114 Resp: 333674

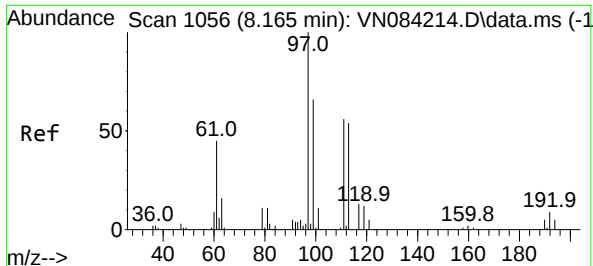
Ion Ratio Lower Upper

114 100

63 20.2 0.0 43.8

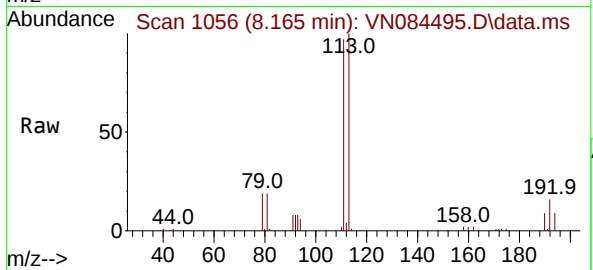
88 16.4 0.0 31.6



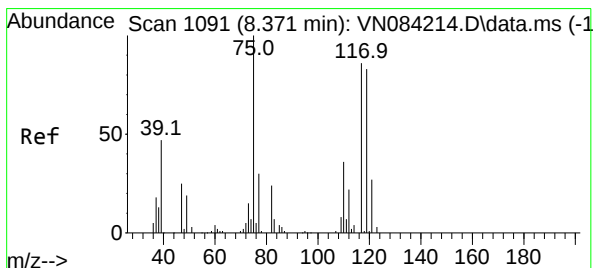
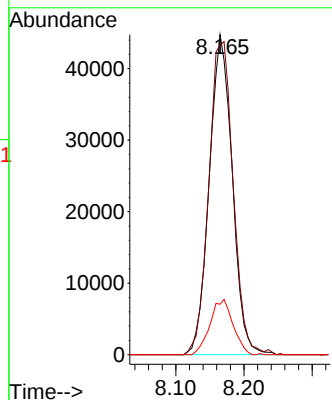
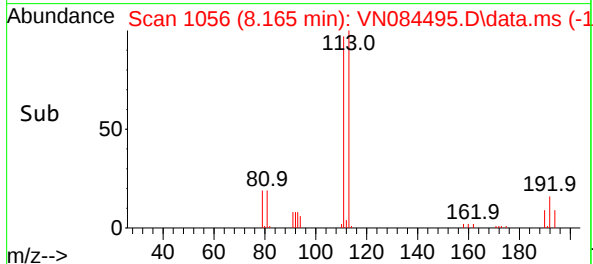


#35
Dibromofluoromethane
Concen: 47.856 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084495.D
Acq: 24 Oct 2024 17:57

Instrument :
MSVOA_N
ClientSampleId :

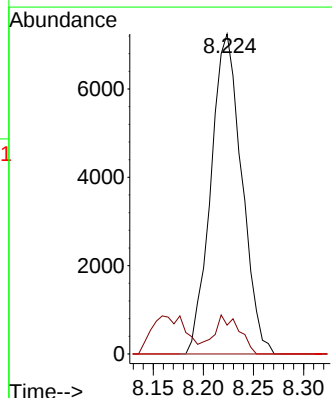
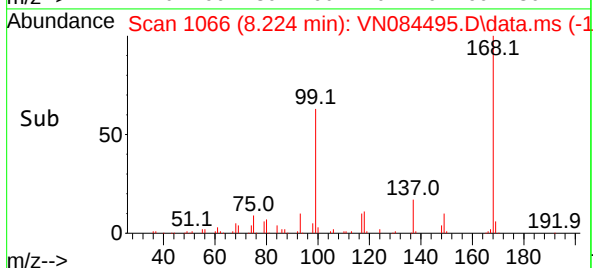
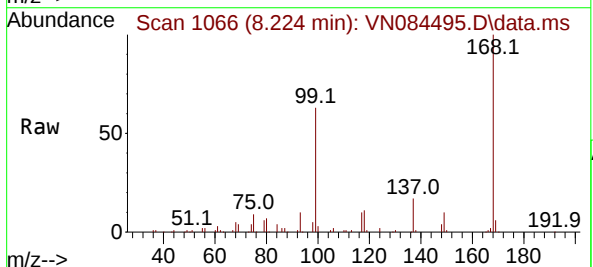


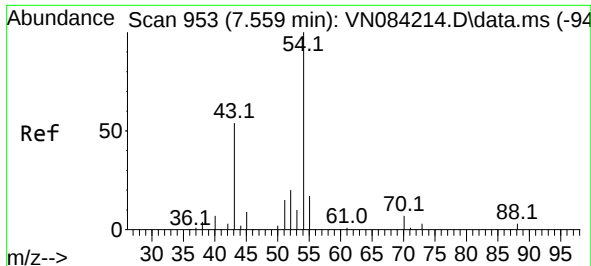
Tgt Ion:113 Resp: 105274
Ion Ratio Lower Upper
113 100
111 103.5 83.3 124.9
192 17.3 13.5 20.3



#36
1,1-Dichloropropene
Concen: 4.862 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN084495.D
Acq: 24 Oct 2024 17:57

Tgt Ion: 75 Resp: 15535
Ion Ratio Lower Upper
75 100
110 9.6 16.9 50.7#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.081 ug/l

RT: 7.559 min Scan# 91

Delta R.T. -0.000 min

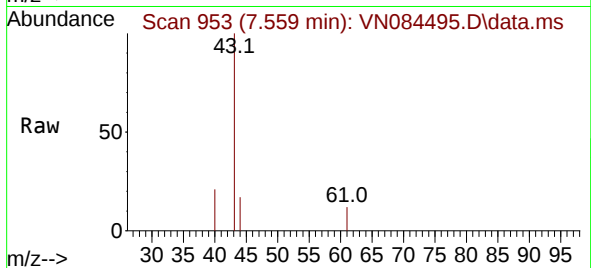
Lab File: VN084495.D

Acq: 24 Oct 2024 17:57

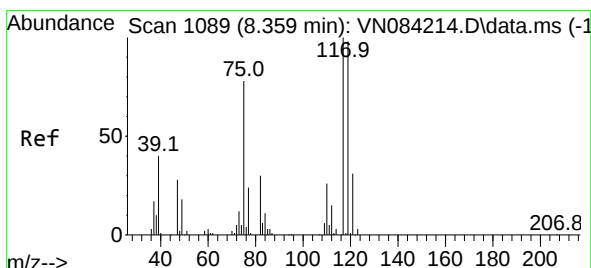
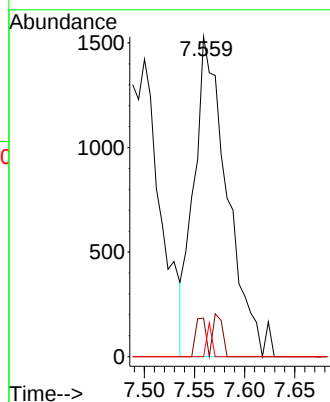
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	3544
Ion	Ratio	Lower	Upper
43	100		
61	3.6	10.7	16.1#
70	0.0	8.8	13.2#



#38

Carbon Tetrachloride

Concen: 5.878 ug/l

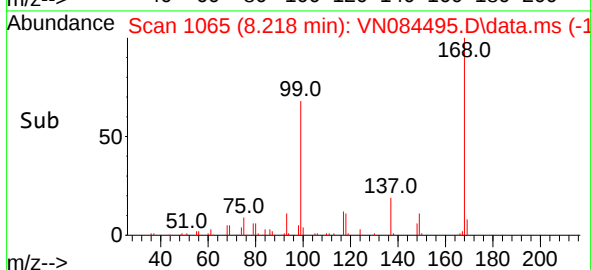
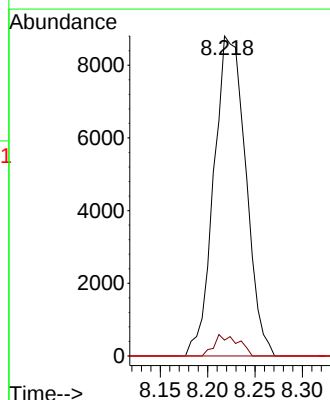
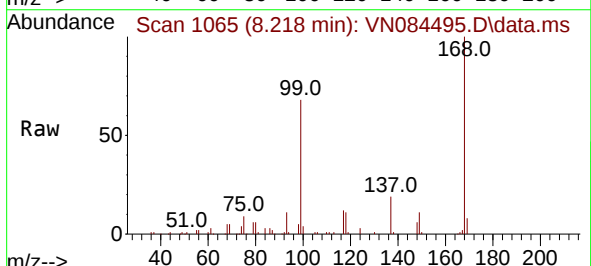
RT: 8.218 min Scan# 1065

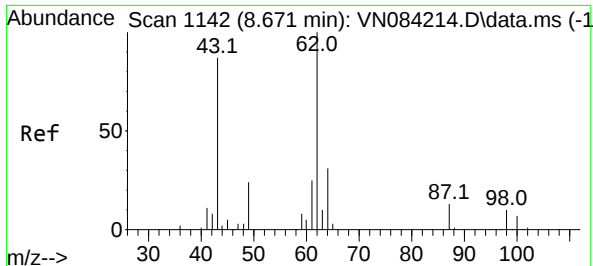
Delta R.T. -0.141 min

Lab File: VN084495.D

Acq: 24 Oct 2024 17:57

Tgt Ion:	117	Resp:	20601
Ion	Ratio	Lower	Upper
117	100		
119	4.9	78.7	118.1#
121	0.0	24.4	36.6#

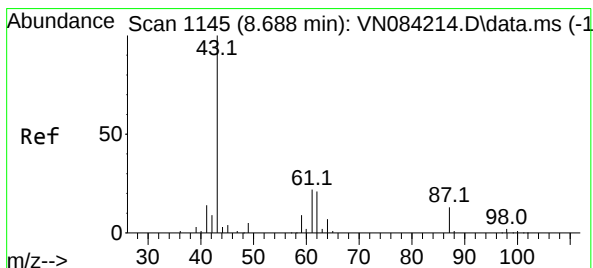
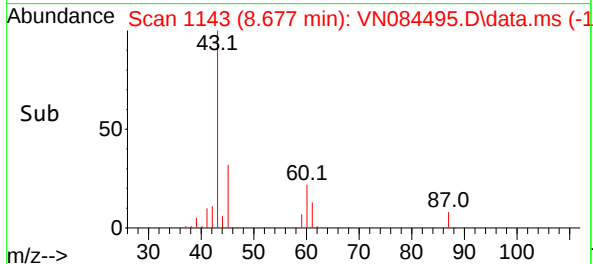
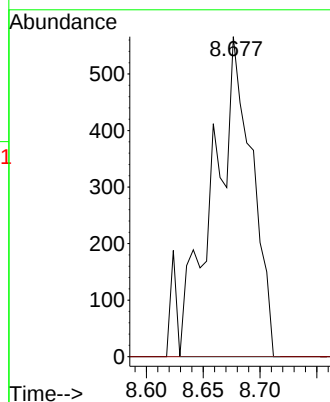
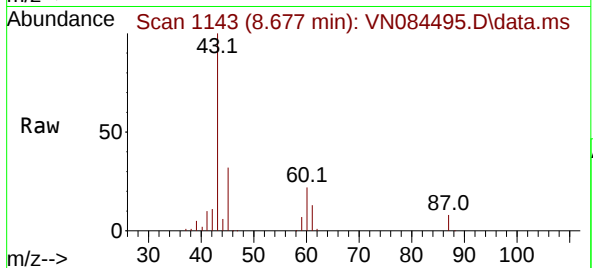




#42
1,2-Dichloroethane
Concen: 0.399 ug/l
RT: 8.677 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN084495.D
Acq: 24 Oct 2024 17:57

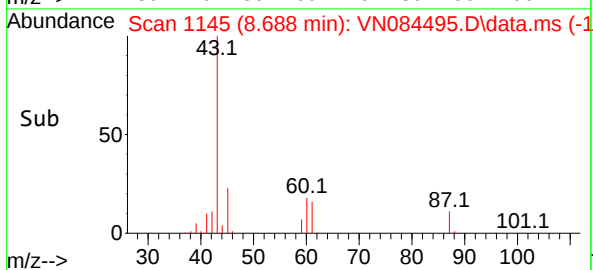
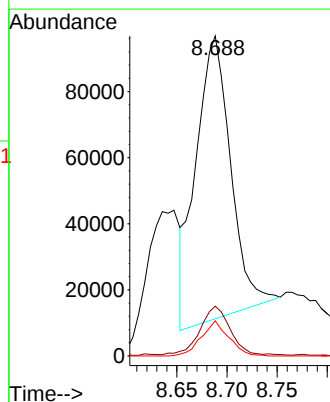
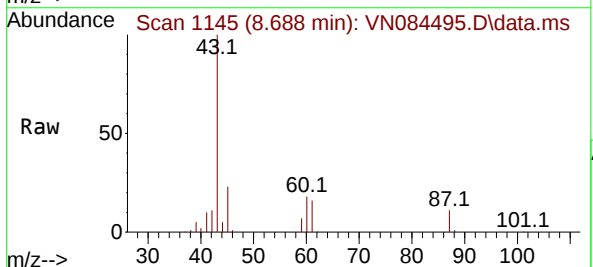
Instrument :
MSVOA_N
ClientSampleId :

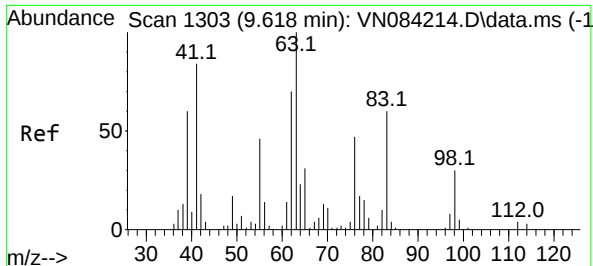
Tgt Ion: 62 Resp: 1346
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2



#43
Isopropyl Acetate
Concen: 32.288 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN084495.D
Acq: 24 Oct 2024 17:57

Tgt Ion: 43 Resp: 207311
Ion Ratio Lower Upper
43 100
61 15.9 20.4 30.6#
87 9.7 10.3 15.5#





#45

1,2-Dichloropropane

Concen: 0.776 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN084495.D

Acq: 24 Oct 2024 17:57

Instrument :

MSVOA_N

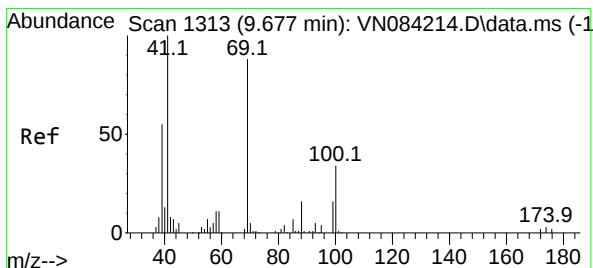
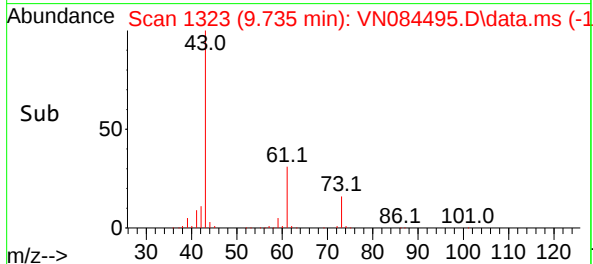
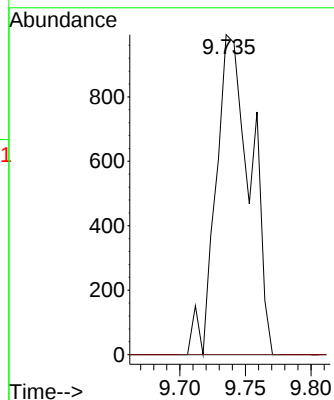
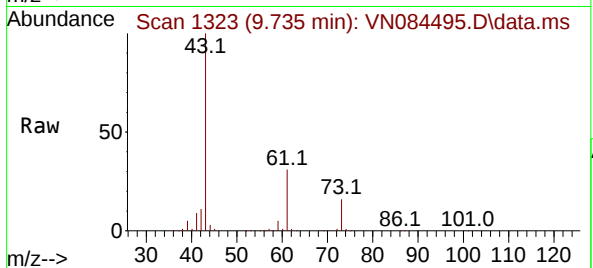
ClientSampleId :

Tgt Ion: 63 Resp: 1828

Ion Ratio Lower Upper

63 100

65 0.0 24.6 37.0#



#48

Methyl methacrylate

Concen: 45.566 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.065 min

Lab File: VN084495.D

Acq: 24 Oct 2024 17:57

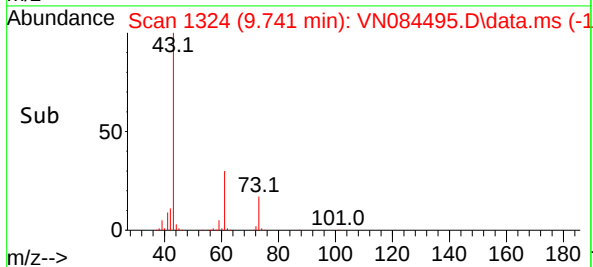
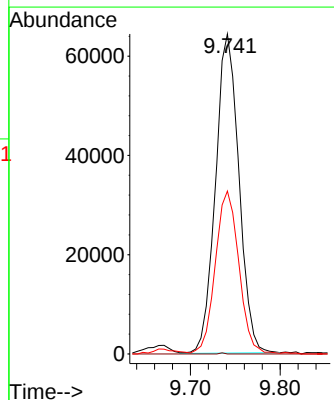
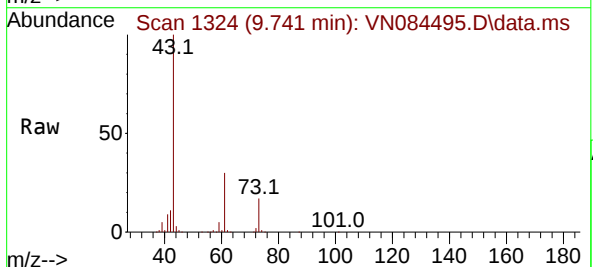
Tgt Ion: 41 Resp: 116464

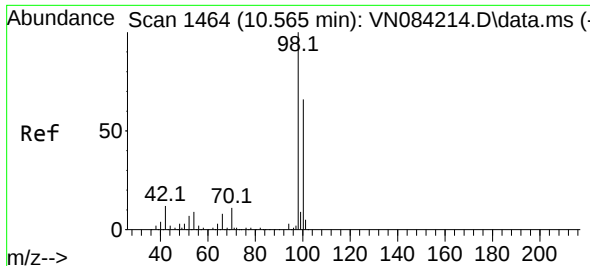
Ion Ratio Lower Upper

41 100

69 0.1 67.1 100.7#

39 50.8 45.8 68.6

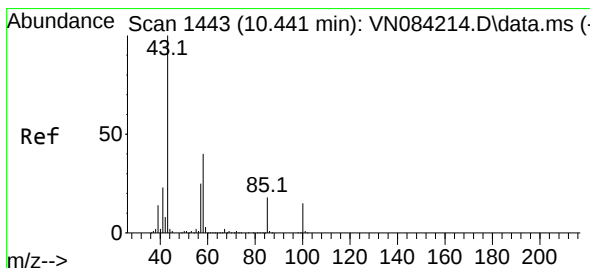
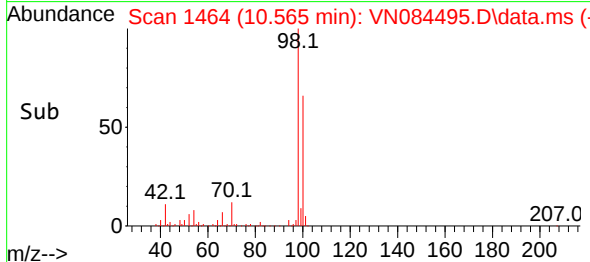
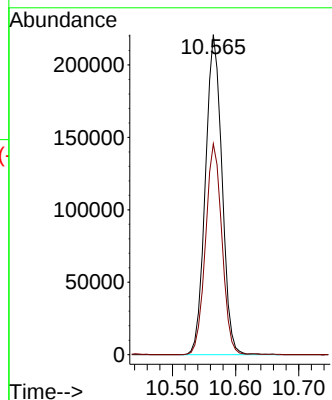
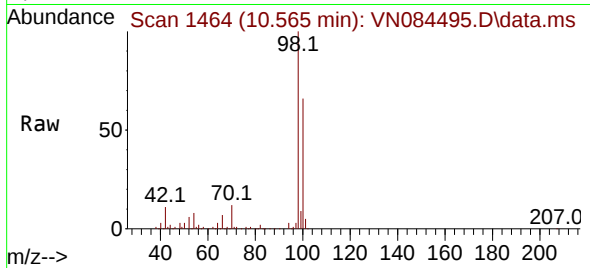




#50
Toluene-d8
Concen: 49.737 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084495.D
Acq: 24 Oct 2024 17:57

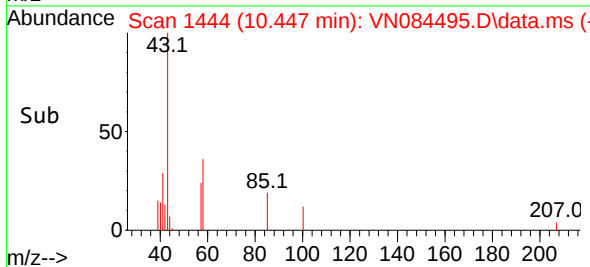
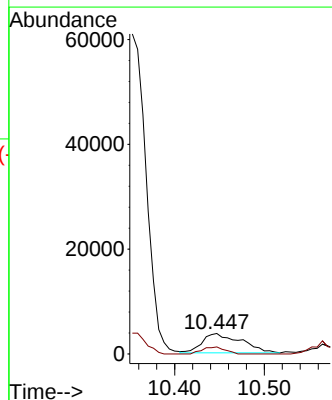
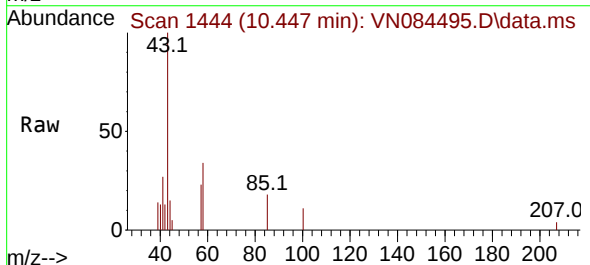
Instrument :
MSVOA_N
ClientSampleId :

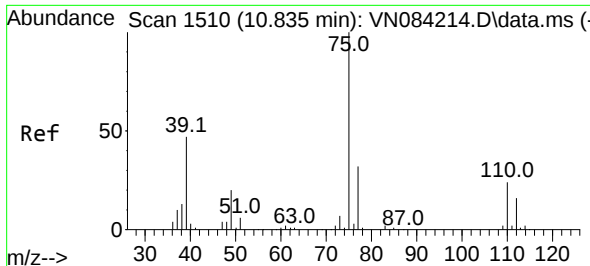
Tgt Ion: 98 Resp: 402531
Ion Ratio Lower Upper
98 100
100 65.3 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 3.584 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN084495.D
Acq: 24 Oct 2024 17:57

Tgt Ion: 43 Resp: 11183
Ion Ratio Lower Upper
43 100
58 21.1 31.6 47.4#

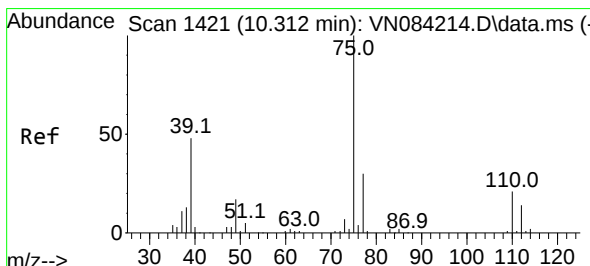
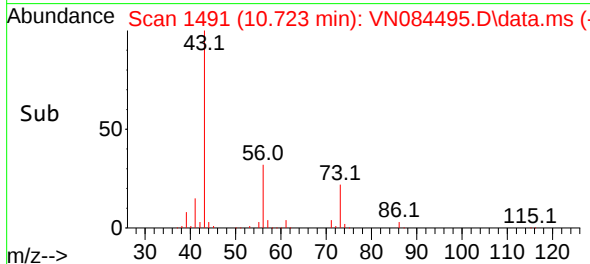
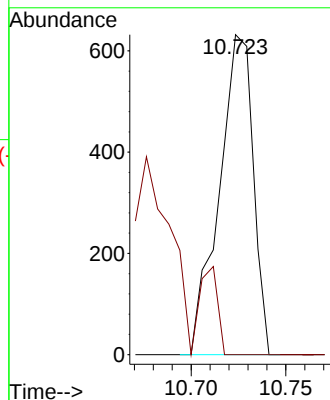
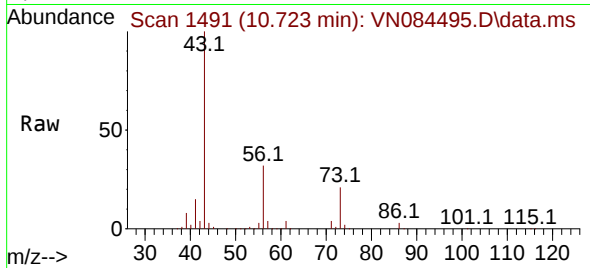




#53
 t-1,3-Dichloropropene
 Concen: 0.219 ug/l
 RT: 10.723 min Scan# 1491
 Delta R.T. -0.112 min
 Lab File: VN084495.D
 Acq: 24 Oct 2024 17:57

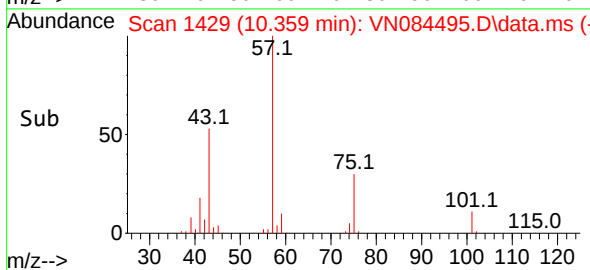
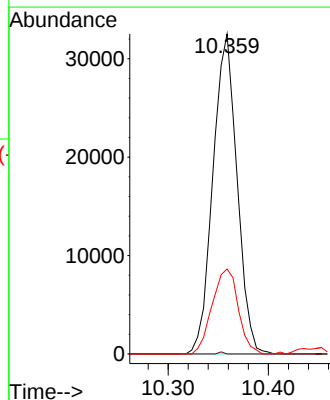
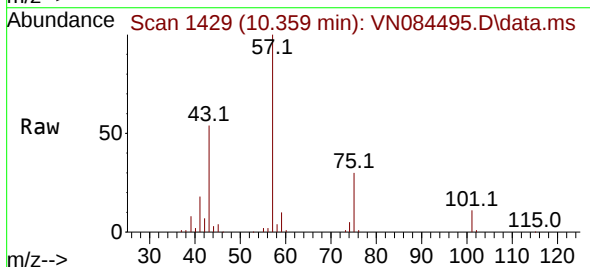
Instrument :
 MSVOA_N
 ClientSampleId :

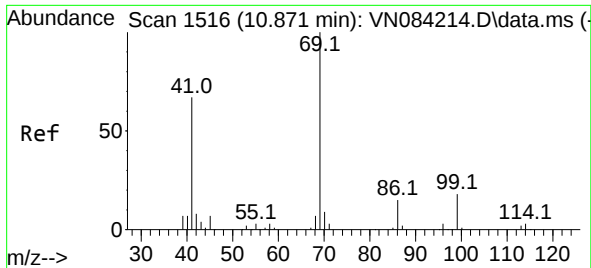
Tgt Ion: 75 Resp: 790
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 14.023 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN084495.D
 Acq: 24 Oct 2024 17:57

Tgt Ion: 75 Resp: 54288
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.2 36.2#
 39 26.6 38.7 58.1#

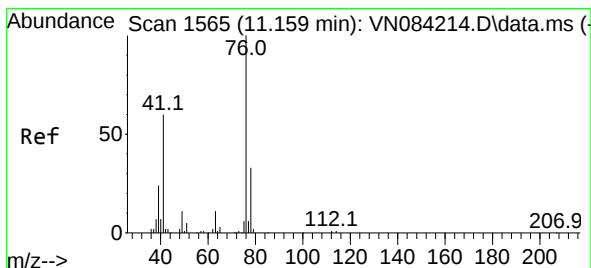
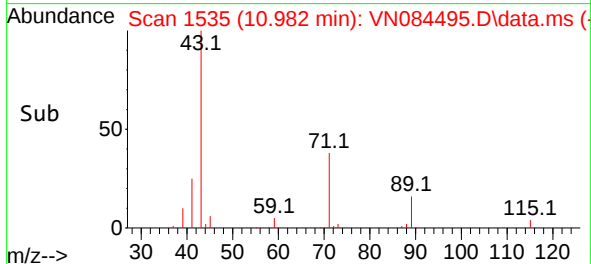
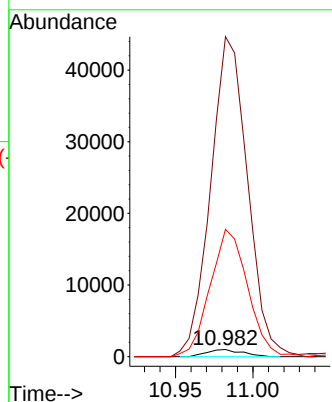
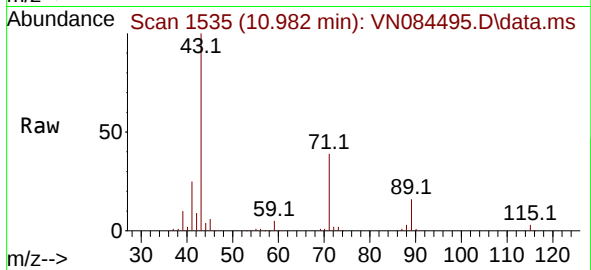




#56
Ethyl methacrylate
Concen: 0.448 ug/l
RT: 10.982 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN084495.D
Acq: 24 Oct 2024 17:57

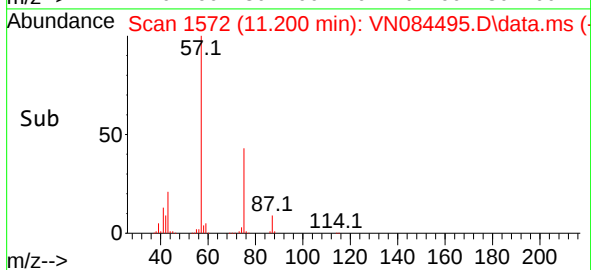
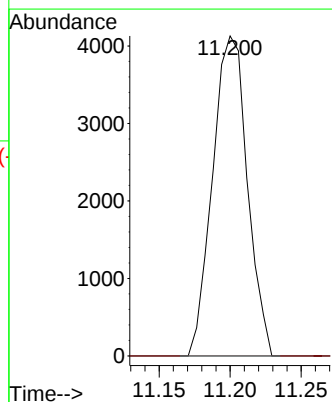
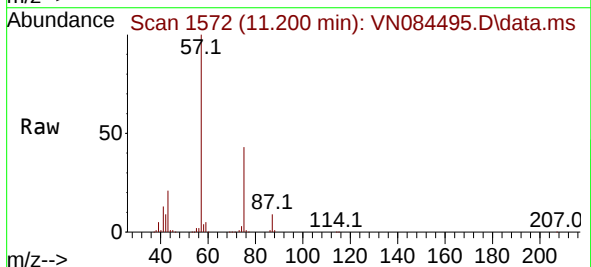
Instrument :
MSVOA_N
ClientSampleId :

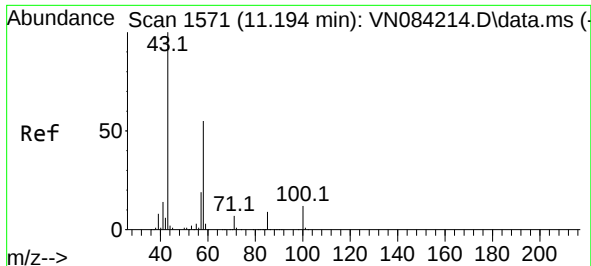
Tgt Ion: 69 Resp: 1606
Ion Ratio Lower Upper
69 100
41 4615.0 53.3 79.9#
39 1862.0 28.8 43.2#



#57
1,3-Dichloropropane
Concen: 1.807 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN084495.D
Acq: 24 Oct 2024 17:57

Tgt Ion: 76 Resp: 7028
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

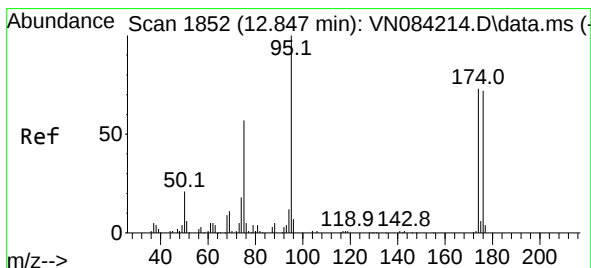
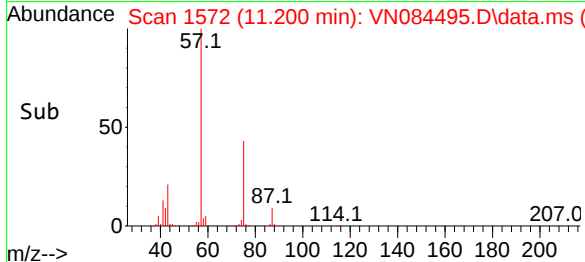
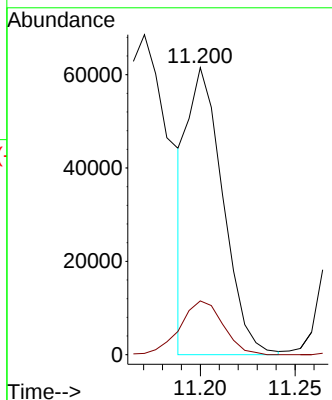
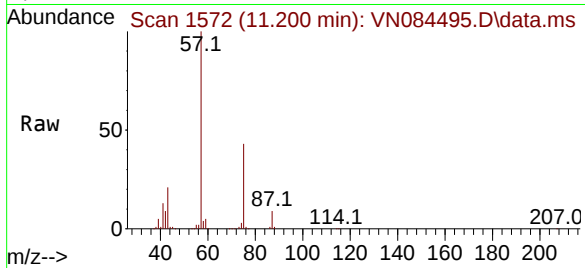




#59
2-Hexanone
Concen: 34.517 ug/l
RT: 11.200 min Scan# 111
Delta R.T. 0.006 min
Lab File: VN084495.D
Acq: 24 Oct 2024 17:57

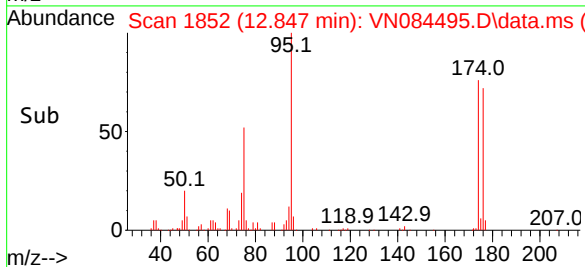
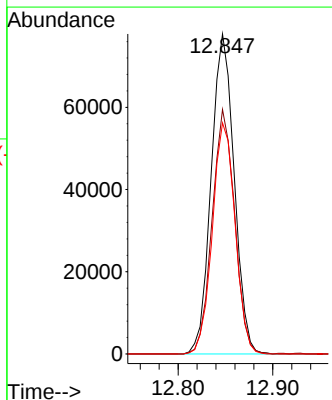
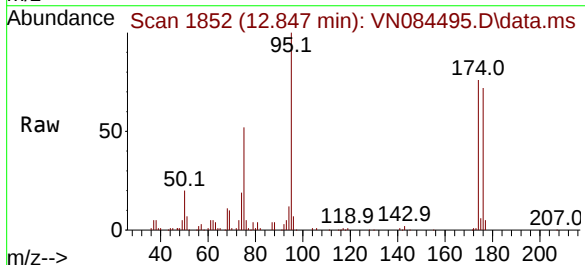
Instrument :
MSVOA_N
ClientSampleId :

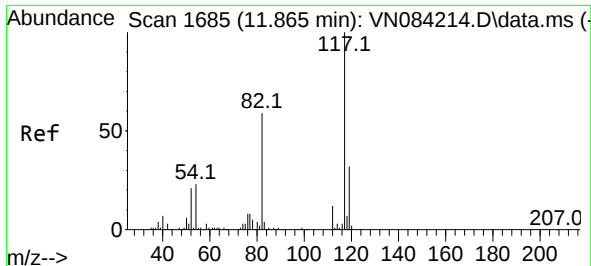
Tgt Ion: 43 Resp: 80506
Ion Ratio Lower Upper
43 100
58 22.7 27.3 81.8#



#62
4-Bromofluorobenzene
Concen: 44.488 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084495.D
Acq: 24 Oct 2024 17:57

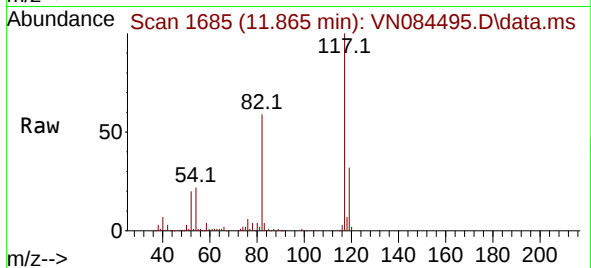
Tgt Ion: 95 Resp: 131170
Ion Ratio Lower Upper
95 100
174 74.7 0.0 145.2
176 71.5 0.0 140.0



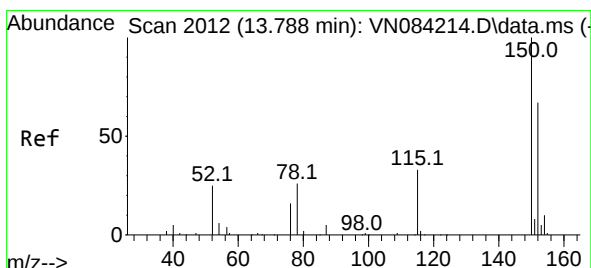
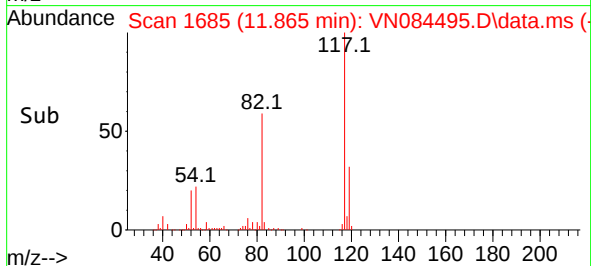
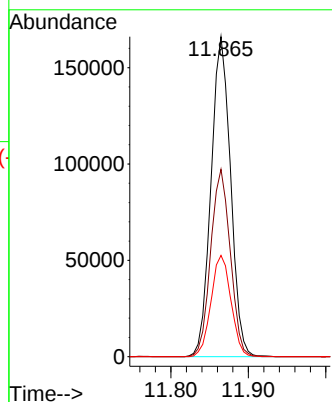


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084495.D
Acq: 24 Oct 2024 17:57

Instrument :
MSVOA_N
ClientSampleId :

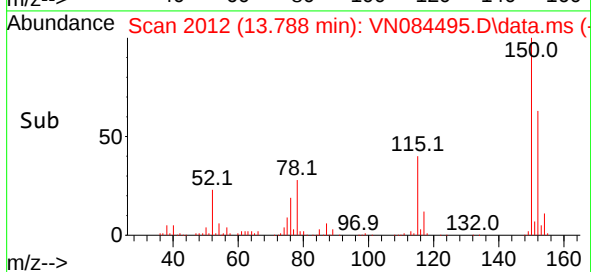
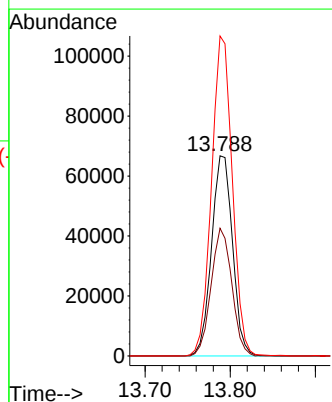
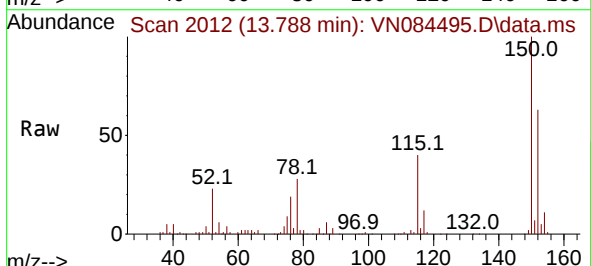


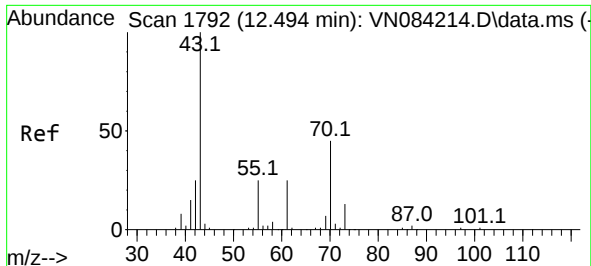
Tgt Ion:117 Resp: 290952
Ion Ratio Lower Upper
117 100
82 58.5 47.2 70.8
119 31.7 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084495.D
Acq: 24 Oct 2024 17:57

Tgt Ion:152 Resp: 114469
Ion Ratio Lower Upper
152 100
115 62.9 31.3 93.9
150 158.3 0.0 349.8

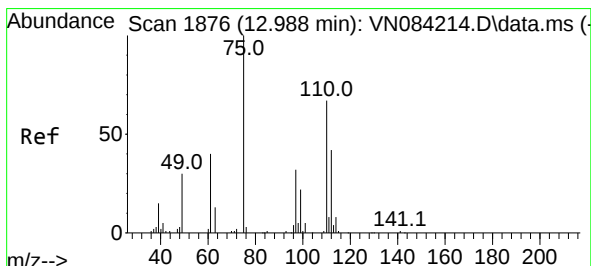
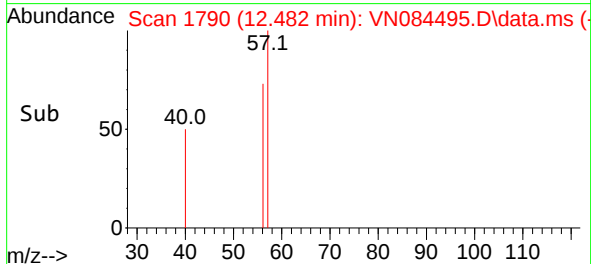
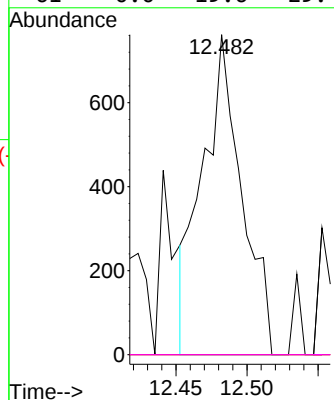
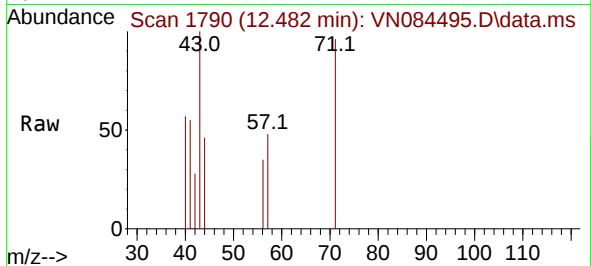




#74
N-amy1 acetate
Concen: 0.371 ug/l
RT: 12.482 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN084495.D
Acq: 24 Oct 2024 17:57

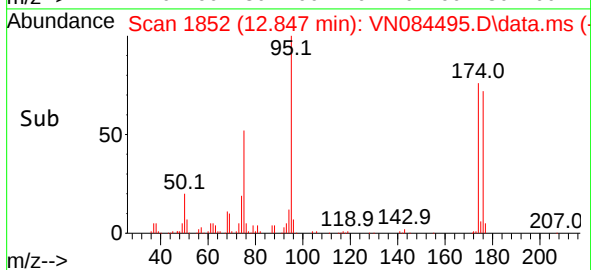
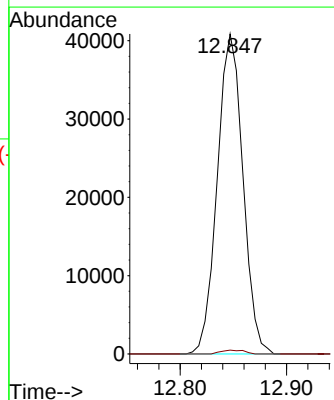
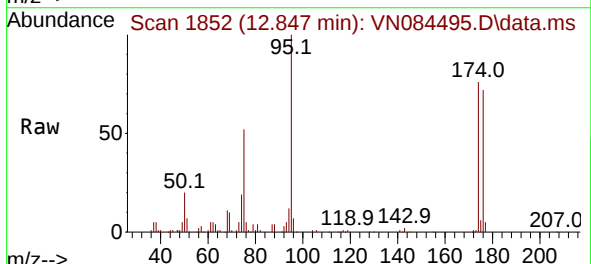
Instrument :
MSVOA_N
ClientSampleId :

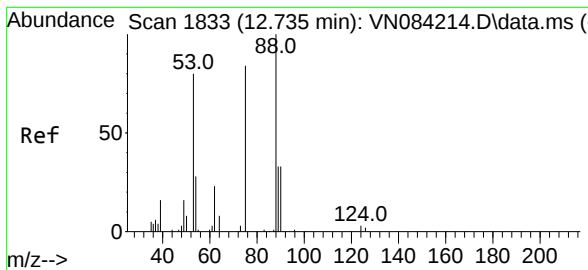
Tgt Ion: 43	Resp: 1467
Ion Ratio	Lower Upper
43 100	
70 0.0	34.4 51.6#
55 0.0	19.6 29.4#
61 0.0	19.6 29.4#



#76
1,2,3-Trichloropropane
Concen: 29.243 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084495.D
Acq: 24 Oct 2024 17:57

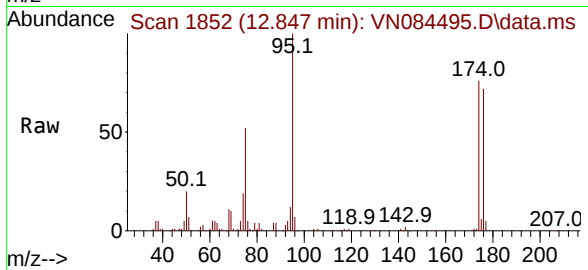
Tgt Ion: 75	Resp: 68339
Ion Ratio	Lower Upper
75 100	
77 1.1	96.9 290.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.109 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN084495.D
 Acq: 24 Oct 2024 17:57

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 68339
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 35.5 53.3#

