

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091824\
 Data File : VN083996.D
 Acq On : 18 Sep 2024 20:39
 Operator : JC\MD
 Sample : PB163447ZHE#13
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

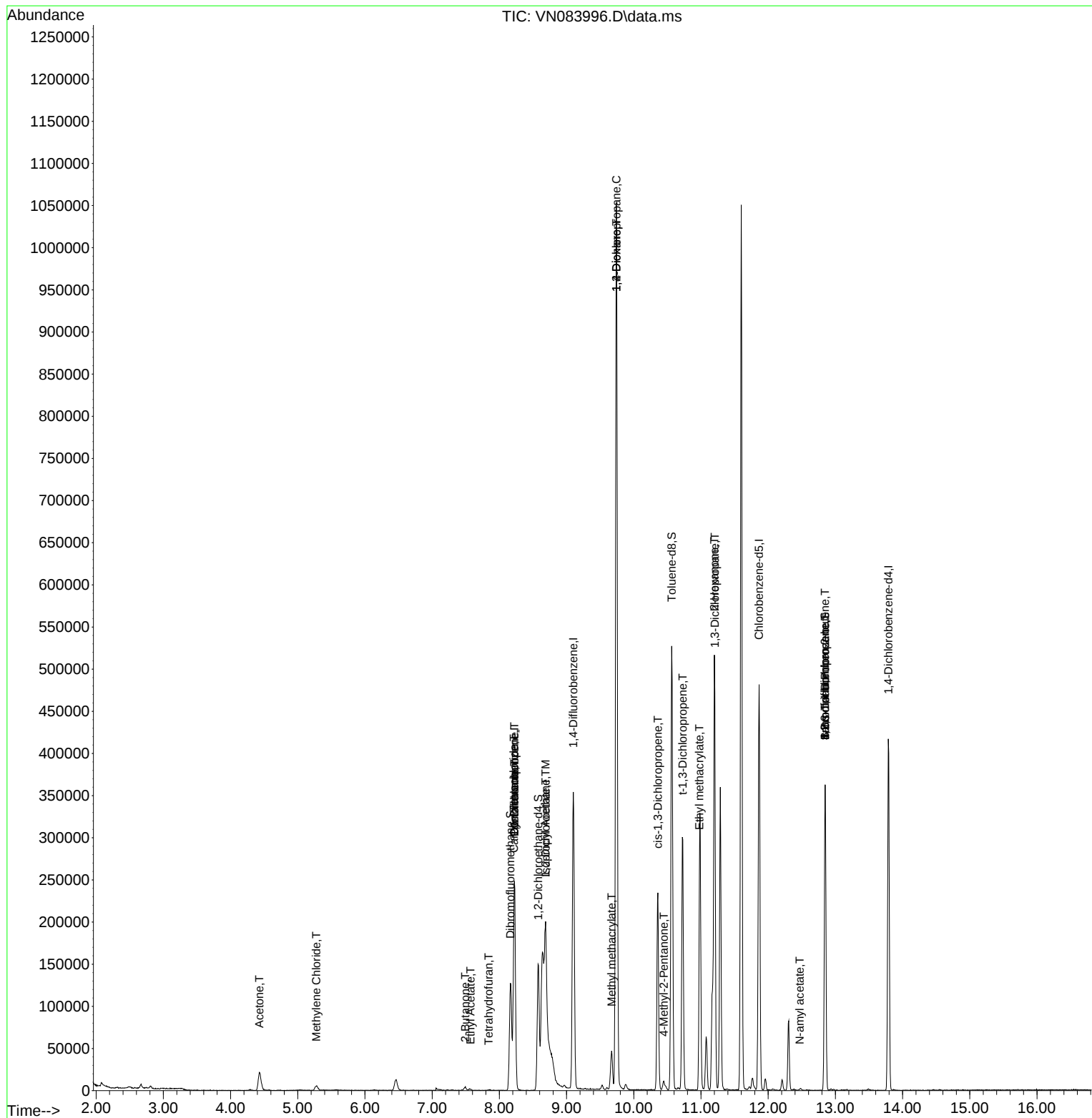
Quant Time: Sep 19 01:41:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 15:18:56 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	165216	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	294509	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	253848	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	102465	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	127590	51.216	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 102.440%		
35) Dibromofluoromethane	8.165	113	90807	48.163	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 96.320%		
50) Toluene-d8	10.565	98	350905	53.837	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 107.680%		
62) 4-Bromofluorobenzene	12.847	95	121646	45.236	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 90.480%		
Target Compounds						Qvalue
3) Chloromethane	2.359	50	130	Below Cal	#	41
16) Acetone	4.430	43	43089	43.146	ug/l	96
18) Methyl Acetate	5.024	43	1478	Below Cal	#	52
20) Methylene Chloride	5.277	84	4043	1.978	ug/l	88
25) 2-Butanone	7.494	43	6096	4.644	ug/l #	70
29) Tetrahydrofuran	7.841	42	788	1.015	ug/l #	38
31) Cyclohexane	8.224	56	4873	1.353	ug/l #	3
36) 1,1-Dichloropropene	8.224	75	15701	5.533	ug/l #	51
37) Ethyl Acetate	7.571	43	3323	1.290	ug/l #	80
38) Carbon Tetrachloride	8.218	117	19519	6.063	ug/l #	15
42) 1,2-Dichloroethane	8.688	62	1048	0.328	ug/l #	77
43) Isopropyl Acetate	8.688	43	320769	68.719	ug/l #	73
45) 1,2-Dichloropropane	9.741	63	1276	0.618	ug/l #	42
48) Methyl methacrylate	9.671	41	3208	1.449	ug/l #	48
49) 1,4-Dioxane	9.741	88	62	1.702	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	11497	4.525	ug/l #	77
53) t-1,3-Dichloropropene	10.729	75	716	0.226	ug/l #	42
54) cis-1,3-Dichloropropene	10.359	75	39061	11.723	ug/l #	64
56) Ethyl methacrylate	10.976	69	1036	0.345	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5642	1.683	ug/l #	42
59) 2-Hexanone	11.200	43	66911	35.598	ug/l #	55
71) Bromoform	12.847	173	833	0.632	ug/l #	29
74) N-amyl acetate	12.470	43	1888	0.558	ug/l #	43
76) 1,2,3-Trichloropropane	12.847	75	70759	34.224	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	70759	89.635	ug/l #	9

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

Instrument :
MSVOA_N
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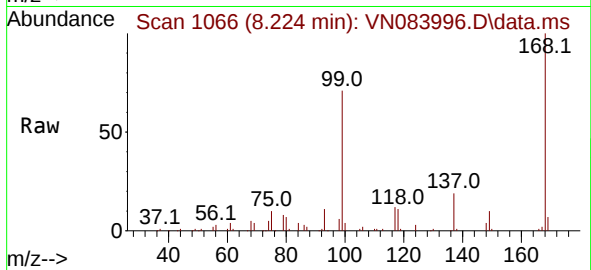
Instrument :
MSVOA_N
ClientSampleId :



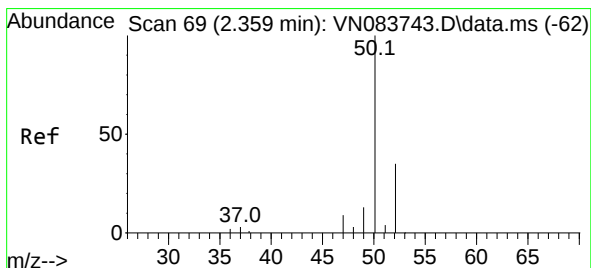
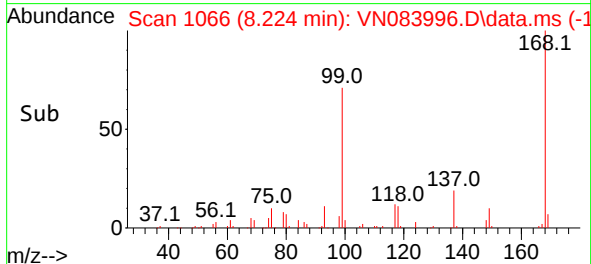
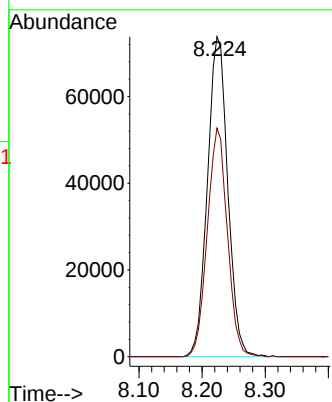


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083996.D
Acq: 18 Sep 2024 20:39

Instrument :
MSVOA_N
ClientSampleId :

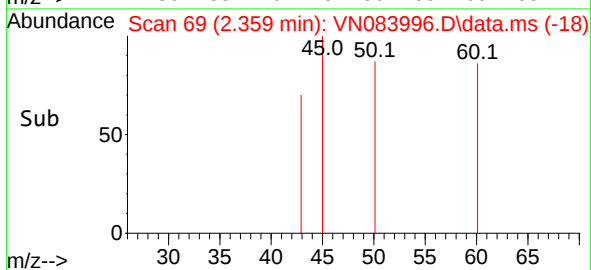
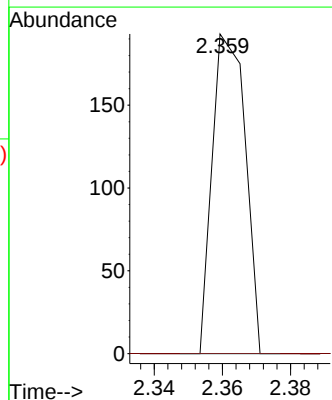
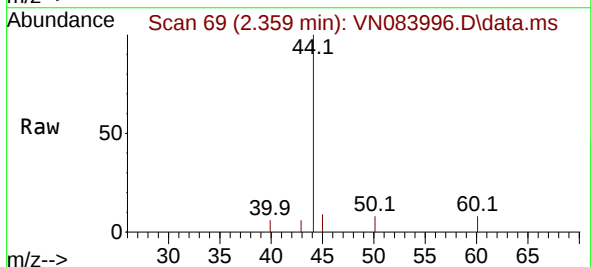


Tgt Ion:168 Resp: 165216
Ion Ratio Lower Upper
168 100
99 71.4 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN083996.D
Acq: 18 Sep 2024 20:39

Tgt Ion: 50 Resp: 130
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#





#16

Acetone

Concen: 43.146 ug/l

RT: 4.430 min Scan# 41

Delta R.T. -0.000 min

Lab File: VN083996.D

Acq: 18 Sep 2024 20:39

Instrument :

MSVOA_N

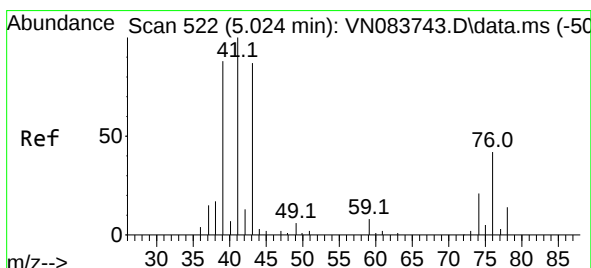
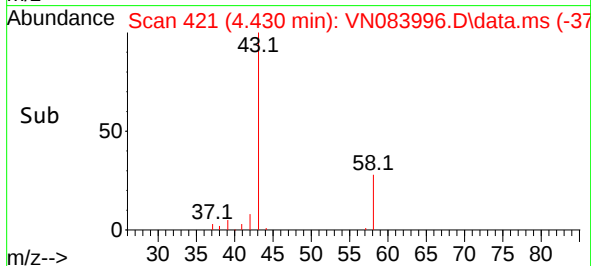
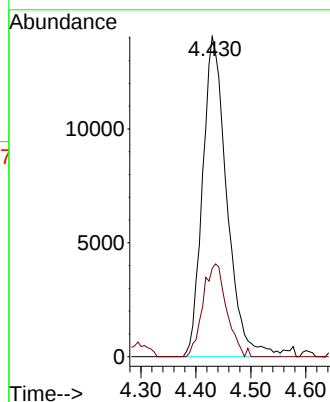
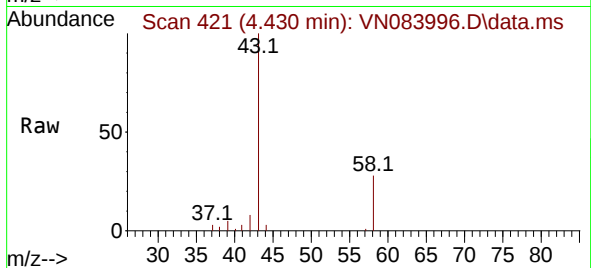
ClientSampleId :

Tgt Ion: 43 Resp: 43089

Ion Ratio Lower Upper

43 100

58 27.6 23.7 35.5



#18

Methyl Acetate

Concen: Below Cal

RT: 5.024 min Scan# 522

Delta R.T. -0.000 min

Lab File: VN083996.D

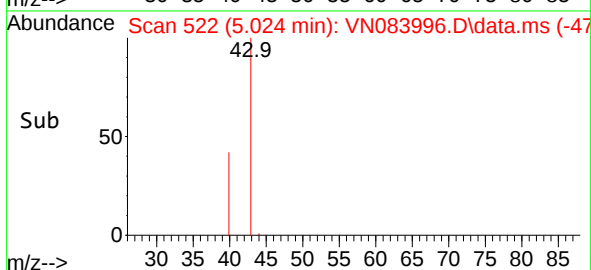
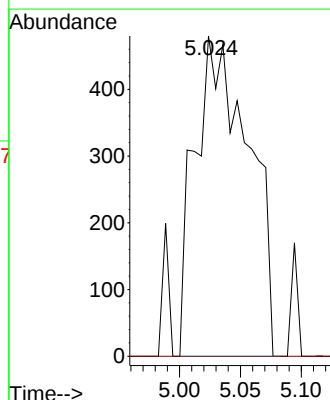
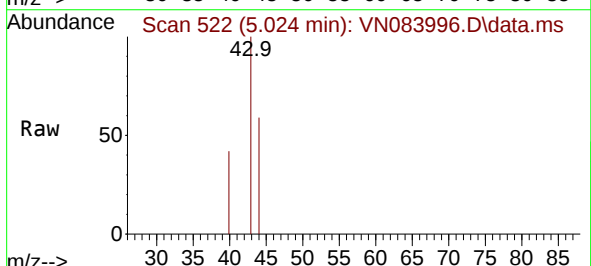
Acq: 18 Sep 2024 20:39

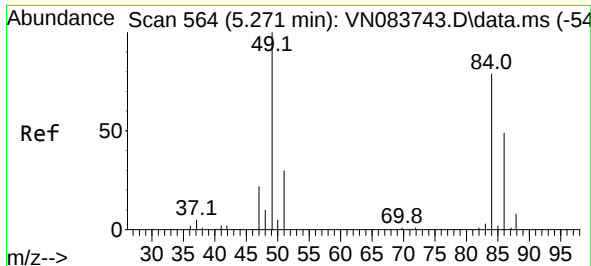
Tgt Ion: 43 Resp: 1478

Ion Ratio Lower Upper

43 100

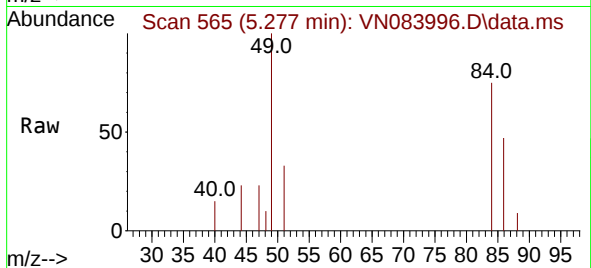
74 0.0 19.0 28.4#



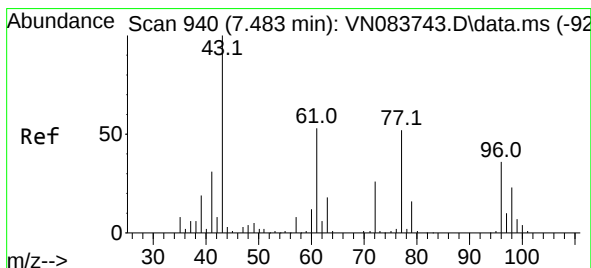
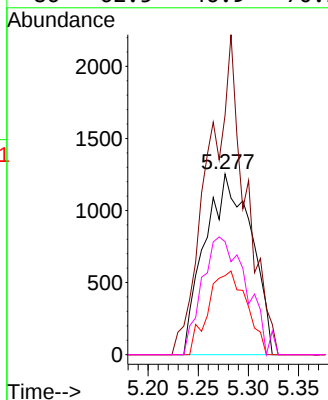
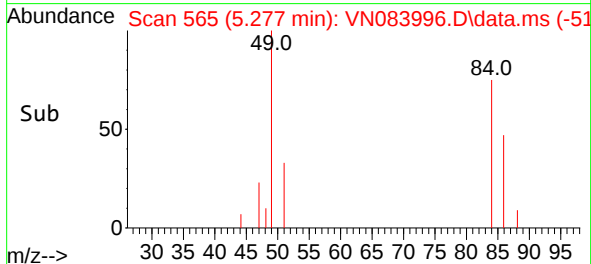


#20
Methylene Chloride
Concen: 1.978 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN083996.D
Acq: 18 Sep 2024 20:39

Instrument :
MSVOA_N
ClientSampleId :

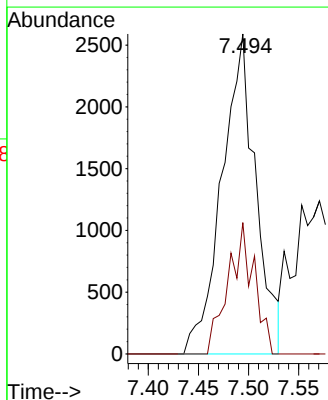
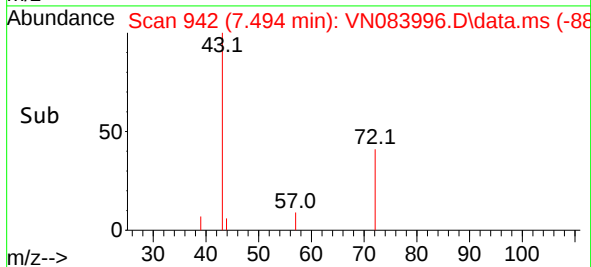
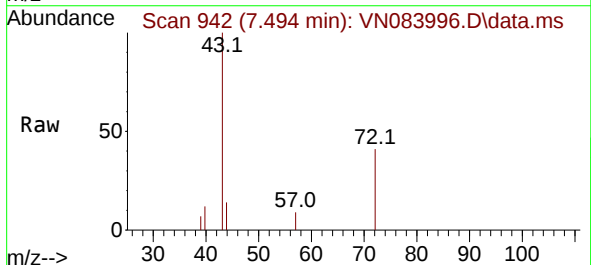


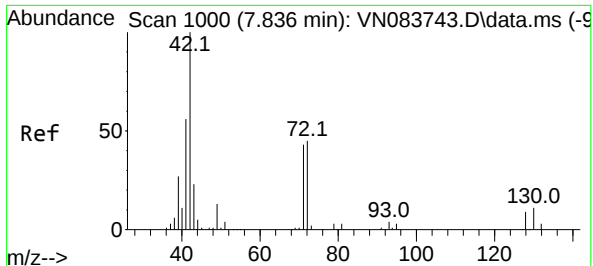
Tgt Ion: 84	Resp: 4043
Ion Ratio	Lower Upper
84 100	
49 132.7	93.4 140.0
51 43.7	29.2 43.8
86 62.5	46.9 70.3



#25
2-Butanone
Concen: 4.644 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN083996.D
Acq: 18 Sep 2024 20:39

Tgt Ion: 43	Resp: 6096		
Ion Ratio	Lower	Upper	
43 100			
72 41.0	20.8	31.2#	





#29

Tetrahydrofuran

Concen: 1.015 ug/l

RT: 7.841 min Scan# 1066

Delta R.T. 0.006 min

Lab File: VN083996.D

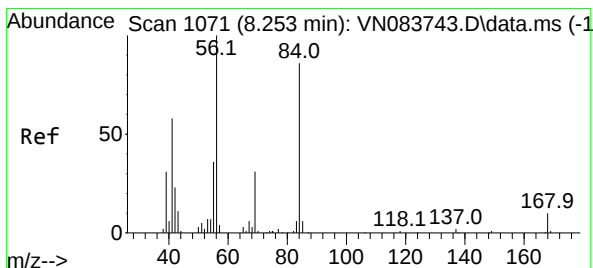
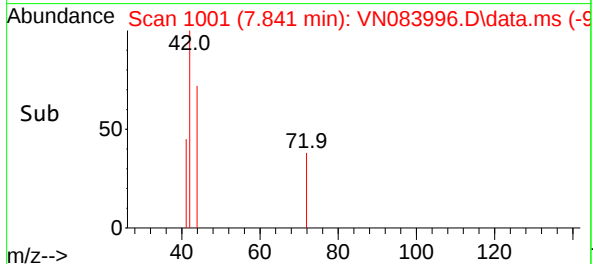
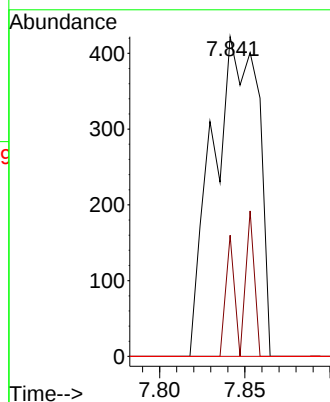
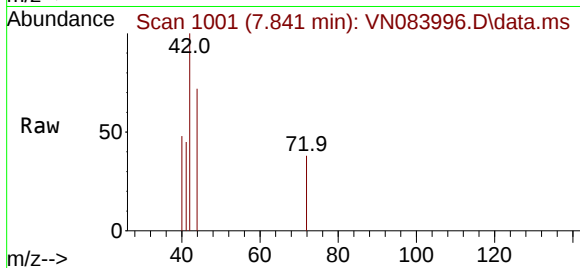
Acq: 18 Sep 2024 20:39

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	42	Resp:	788
Ion	Ratio	Lower	Upper
42	100		
72	7.1	35.9	53.9#
71	0.0	33.9	50.9#



#31

Cyclohexane

Concen: 1.353 ug/l

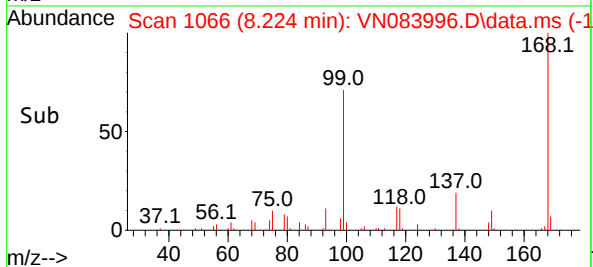
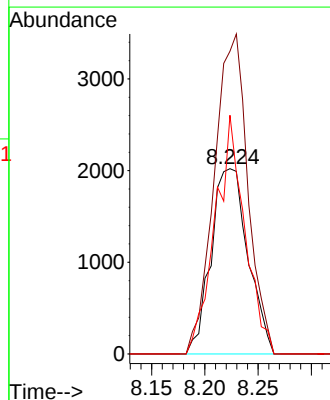
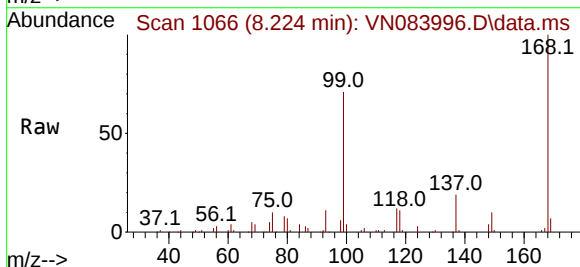
RT: 8.224 min Scan# 1066

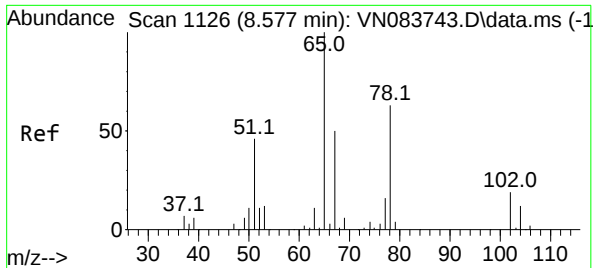
Delta R.T. -0.030 min

Lab File: VN083996.D

Acq: 18 Sep 2024 20:39

Tgt Ion:	56	Resp:	4873
Ion	Ratio	Lower	Upper
56	100		
69	163.4	26.9	40.3#
84	128.8	69.2	103.8#

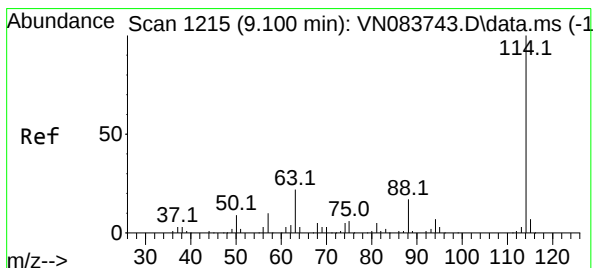
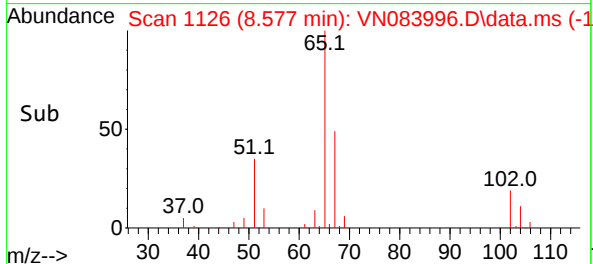
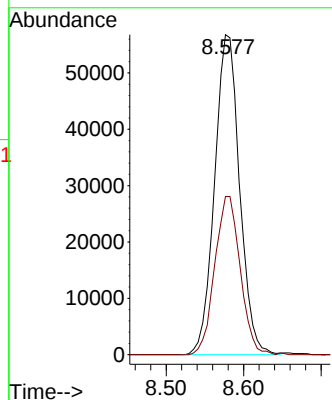
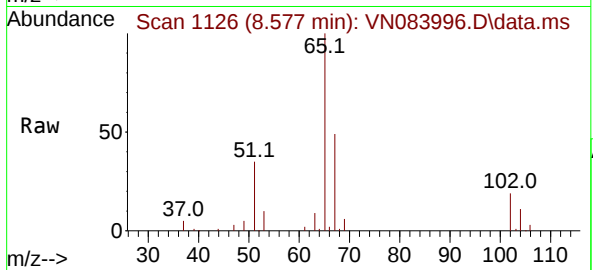




#33
1,2-Dichloroethane-d4
Concen: 51.216 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN083996.D
Acq: 18 Sep 2024 20:39

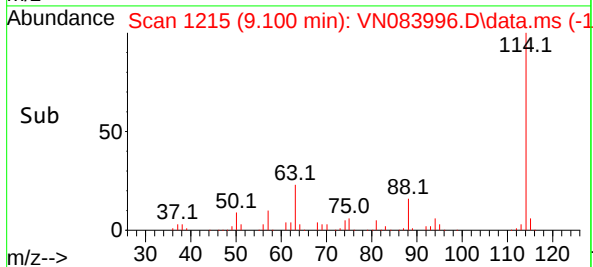
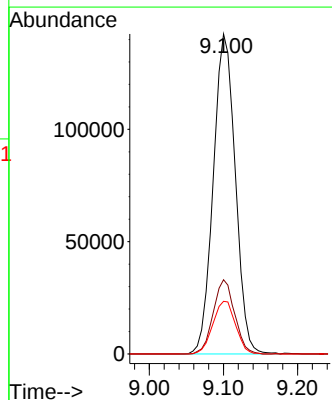
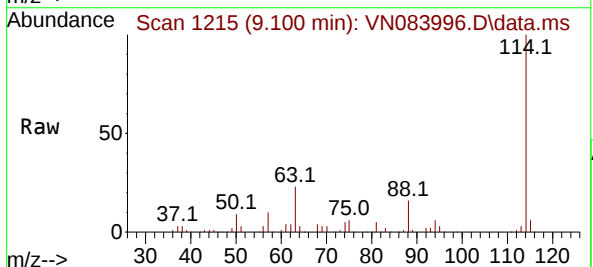
Instrument :
MSVOA_N
ClientSampleId :

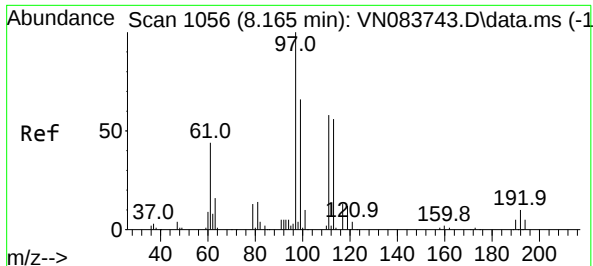
Tgt Ion: 65 Resp: 127590
Ion Ratio Lower Upper
65 100
67 50.2 0.0 100.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN083996.D
Acq: 18 Sep 2024 20:39

Tgt Ion: 114 Resp: 294509
Ion Ratio Lower Upper
114 100
63 23.2 0.0 43.4
88 16.5 0.0 32.6





#35

Dibromofluoromethane

Concen: 48.163 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN083996.D

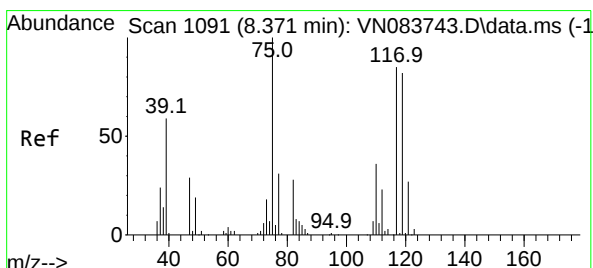
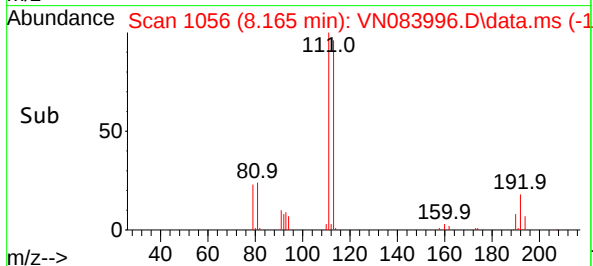
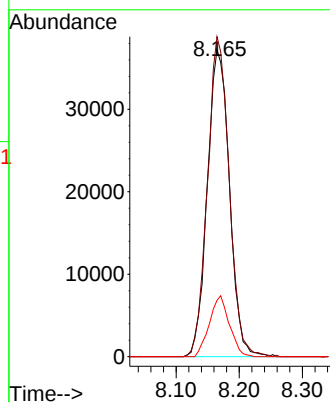
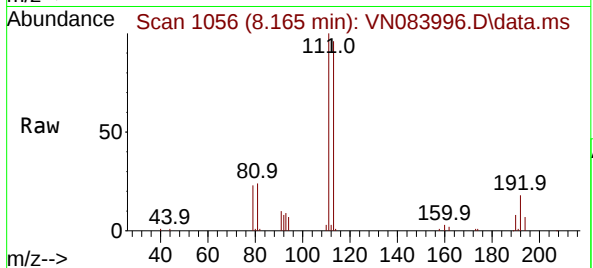
Acq: 18 Sep 2024 20:39

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	113	Resp:	90807
Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.6	124.0
192	17.9	14.3	21.5



#36

1,1-Dichloropropene

Concen: 5.533 ug/l

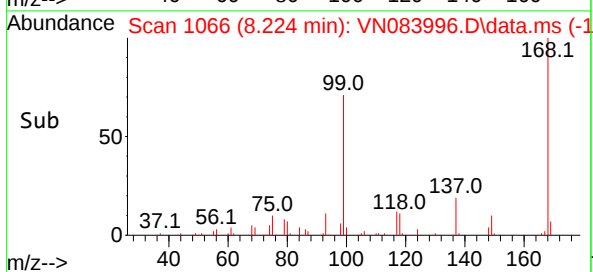
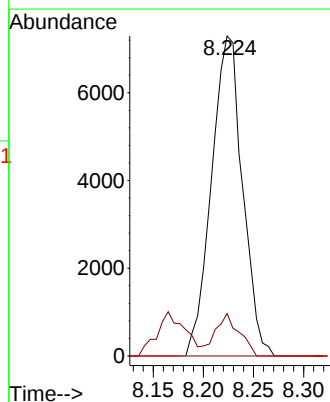
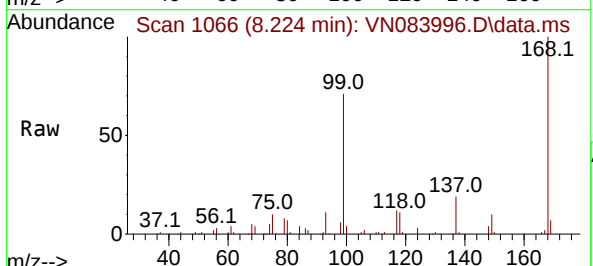
RT: 8.224 min Scan# 1066

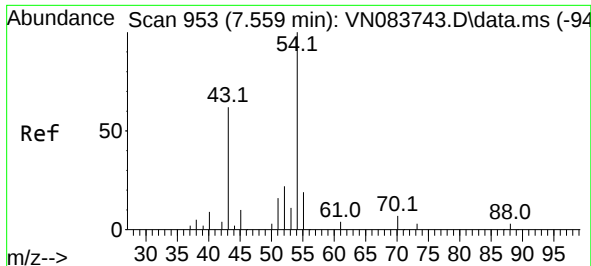
Delta R.T. -0.147 min

Lab File: VN083996.D

Acq: 18 Sep 2024 20:39

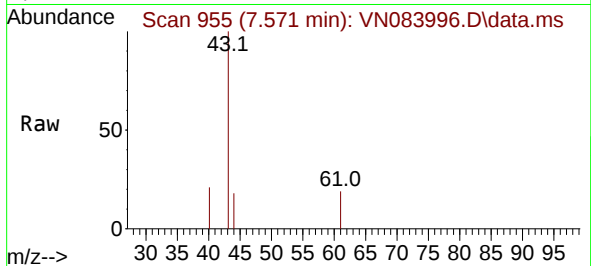
Tgt Ion:	75	Resp:	15701
Ion	Ratio	Lower	Upper
75	100		
110	9.9	16.7	50.1#
77	0.0	25.2	37.8#



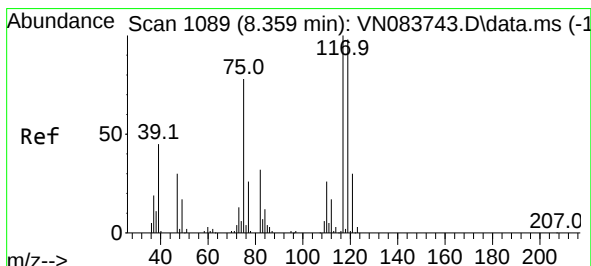
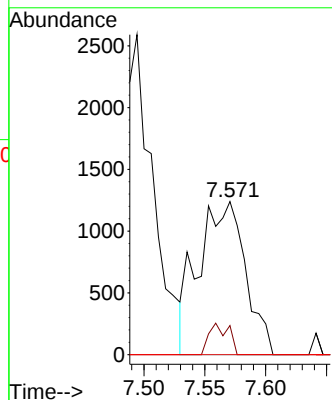
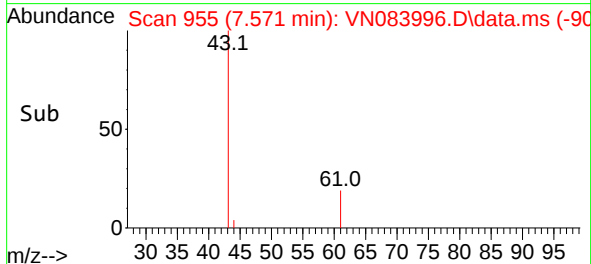


#37
Ethyl Acetate
Concen: 1.290 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN083996.D
Acq: 18 Sep 2024 20:39

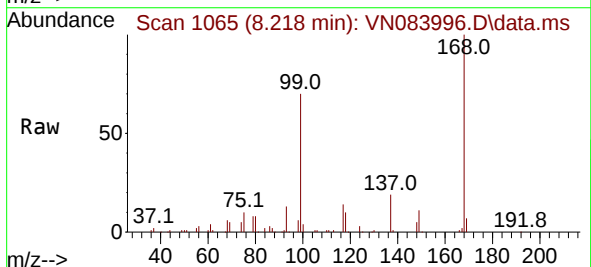
Instrument :
MSVOA_N
ClientSampleId :



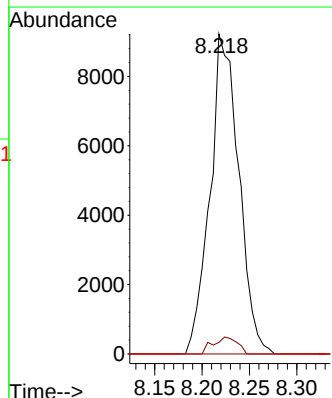
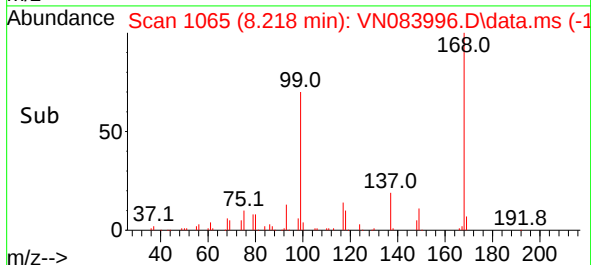
Tgt Ion: 43 Resp: 3323
Ion Ratio Lower Upper
43 100
61 8.6 11.1 16.7#
70 0.0 8.8 13.2#

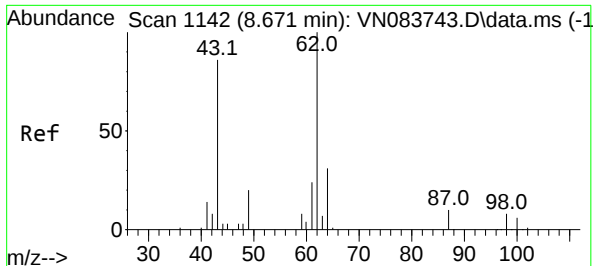


#38
Carbon Tetrachloride
Concen: 6.063 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN083996.D
Acq: 18 Sep 2024 20:39



Tgt Ion: 117 Resp: 19519
Ion Ratio Lower Upper
117 100
119 3.6 76.1 114.1#
121 0.0 24.1 36.1#





#42

1,2-Dichloroethane

Concen: 0.328 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.018 min

Lab File: VN083996.D

Acq: 18 Sep 2024 20:39

Instrument :

MSVOA_N

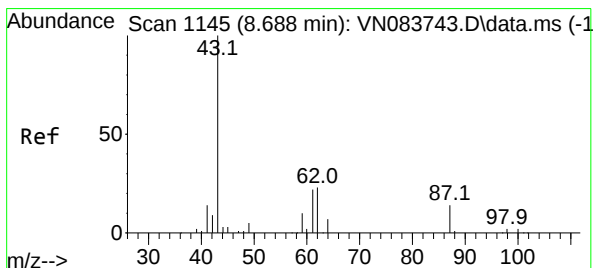
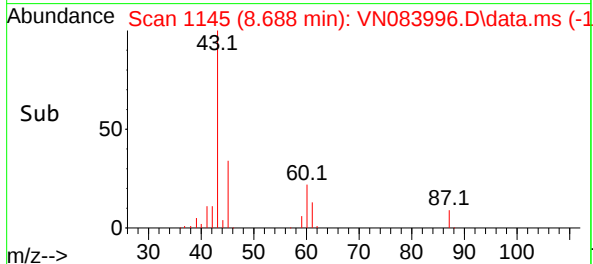
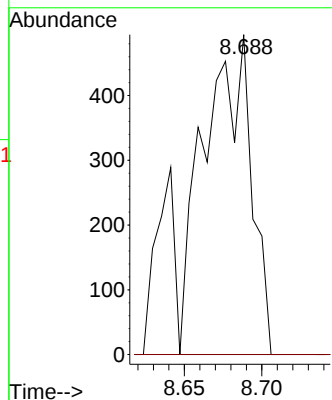
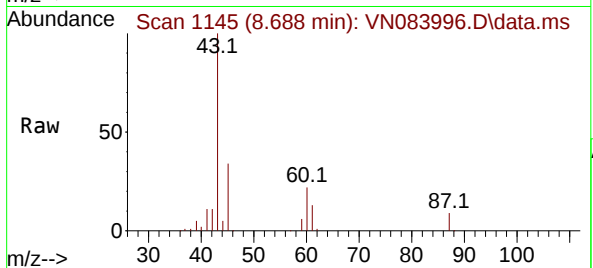
ClientSampleId :

Tgt Ion: 62 Resp: 1048

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.6



#43

Isopropyl Acetate

Concen: 68.719 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN083996.D

Acq: 18 Sep 2024 20:39

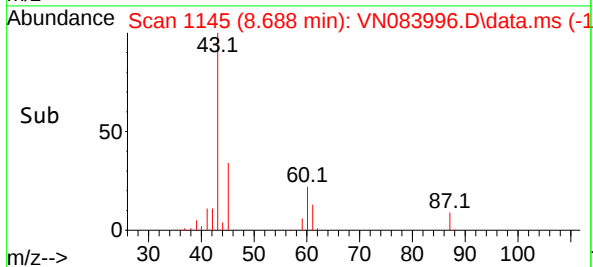
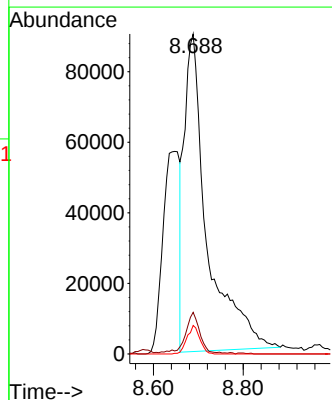
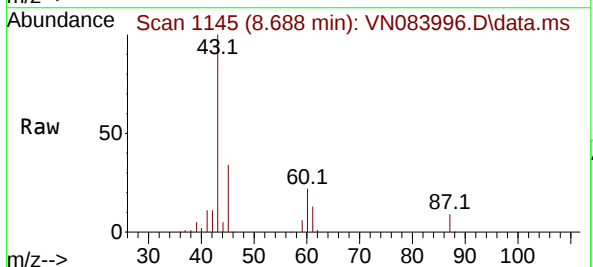
Tgt Ion: 43 Resp: 320769

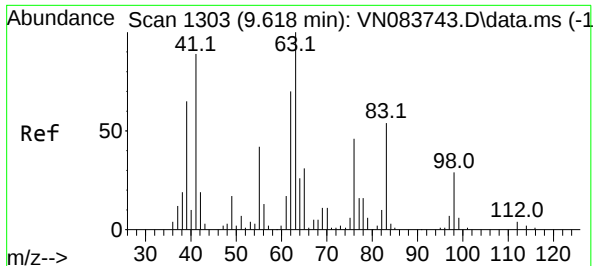
Ion Ratio Lower Upper

43 100

61 8.5 19.4 29.0#

87 5.0 9.8 14.6#

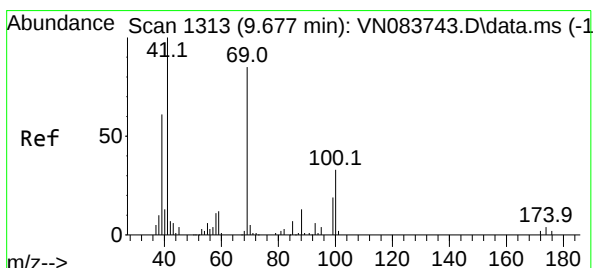
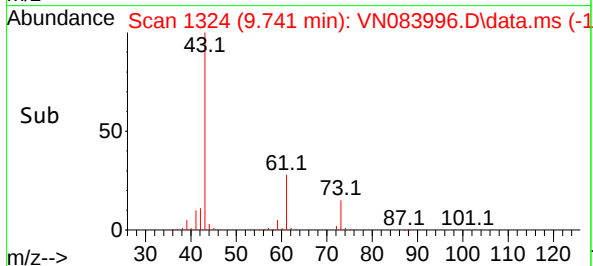
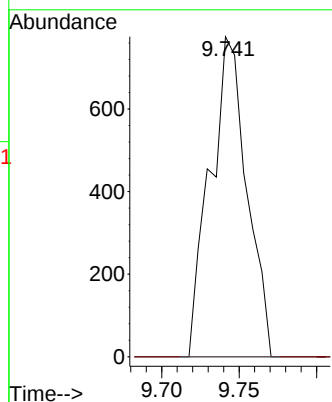
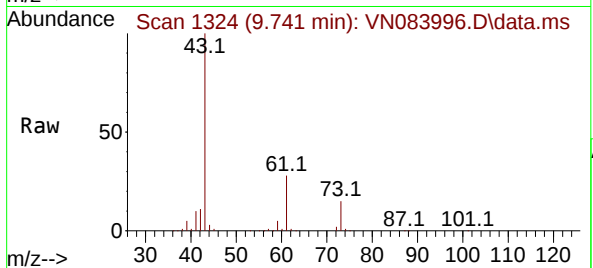




#45
1,2-Dichloropropane
Concen: 0.618 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.123 min
Lab File: VN083996.D
Acq: 18 Sep 2024 20:39

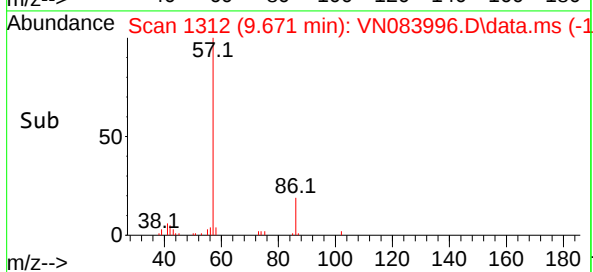
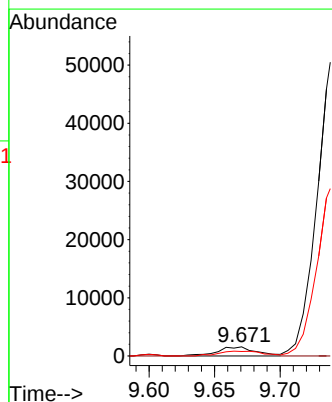
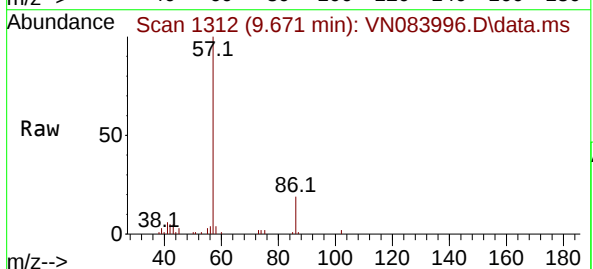
Instrument :
MSVOA_N
ClientSampleId :

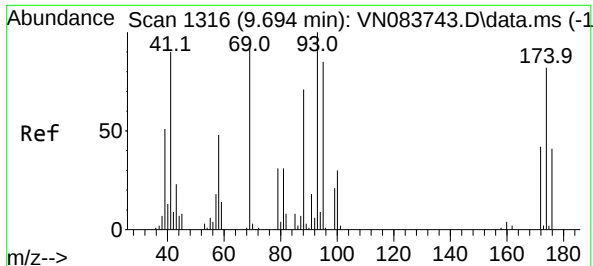
Tgt Ion: 63 Resp: 1276
Ion Ratio Lower Upper
63 100
65 0.0 25.9 38.9#



#48
Methyl methacrylate
Concen: 1.449 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. -0.006 min
Lab File: VN083996.D
Acq: 18 Sep 2024 20:39

Tgt Ion: 41 Resp: 3208
Ion Ratio Lower Upper
41 100
69 0.0 64.3 96.5#
39 60.3 48.9 73.3

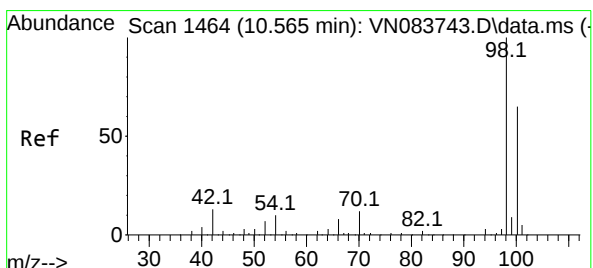
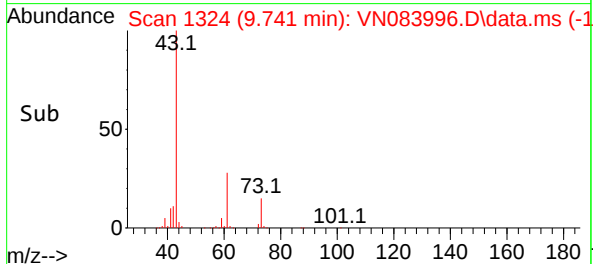
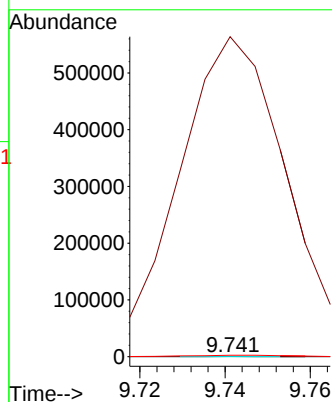
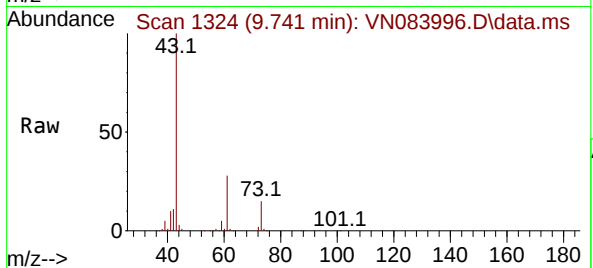




#49
1,4-Dioxane
Concen: 1.702 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.047 min
Lab File: VN083996.D
Acq: 18 Sep 2024 20:39

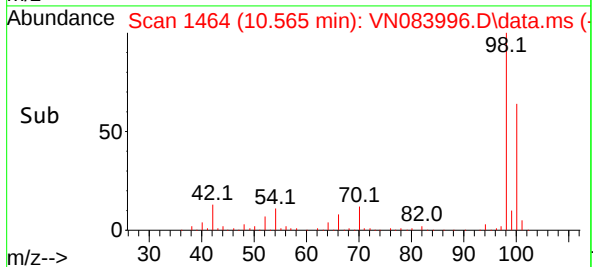
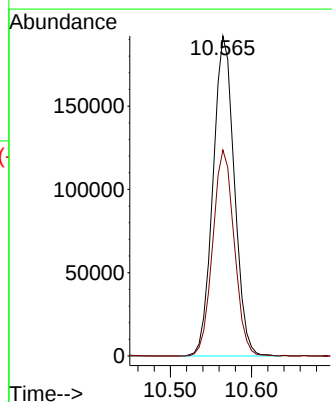
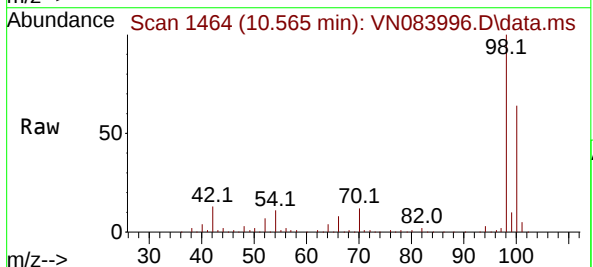
Instrument :
MSVOA_N
ClientSampleId :

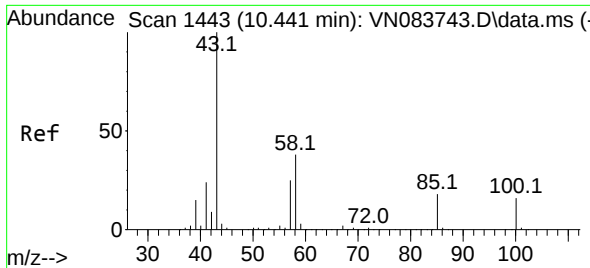
Tgt Ion: 88 Resp: 62
Ion Ratio Lower Upper
88 100
43 1636225.8 0.0 0.0#
58 6821.0 57.1 85.7#



#50
Toluene-d8
Concen: 53.837 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083996.D
Acq: 18 Sep 2024 20:39

Tgt Ion: 98 Resp: 350905
Ion Ratio Lower Upper
98 100
100 64.8 52.0 78.0

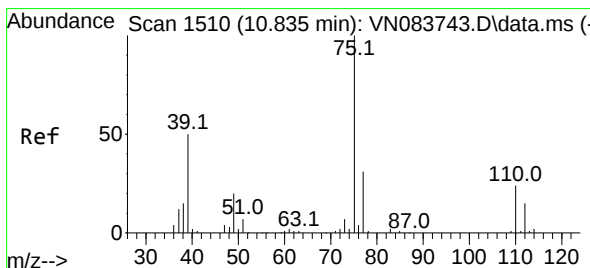
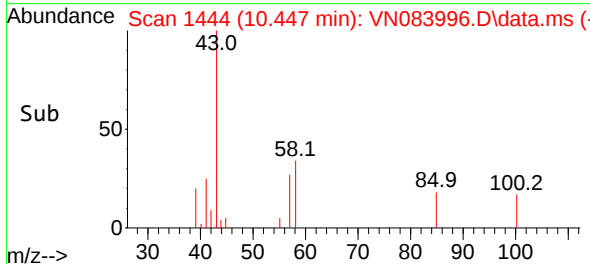
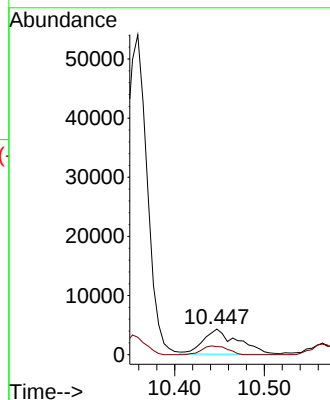
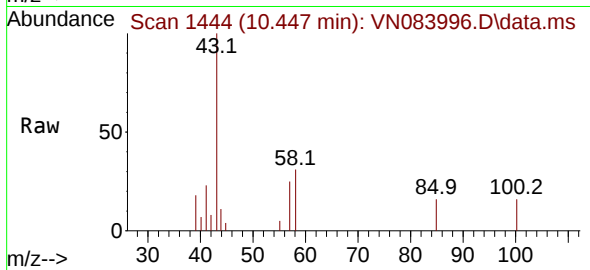




#51
4-Methyl-2-Pentanone
Concen: 4.525 ug/l
RT: 10.447 min Scan# 1443
Delta R.T. 0.006 min
Lab File: VN083996.D
Acq: 18 Sep 2024 20:39

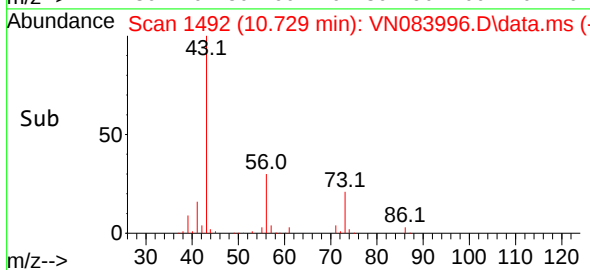
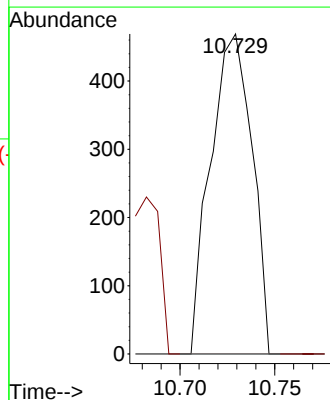
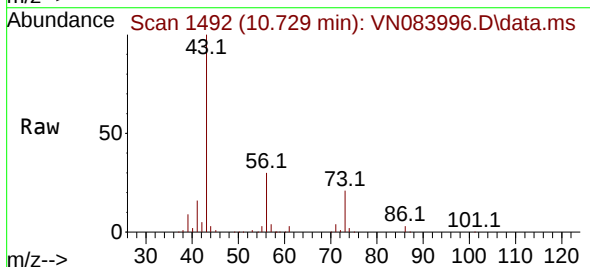
Instrument :
MSVOA_N
ClientSampleId :

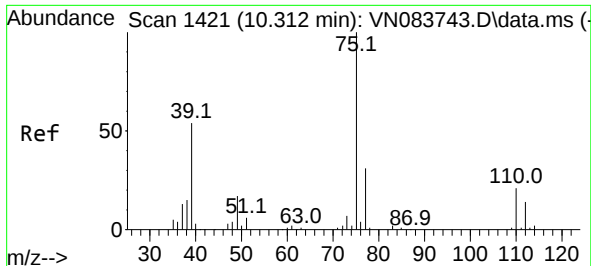
Tgt Ion: 43 Resp: 11497
Ion Ratio Lower Upper
43 100
58 25.6 31.6 47.4#



#53
t-1,3-Dichloropropene
Concen: 0.226 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN083996.D
Acq: 18 Sep 2024 20:39

Tgt Ion: 75 Resp: 716
Ion Ratio Lower Upper
75 100
77 0.0 25.8 38.6#

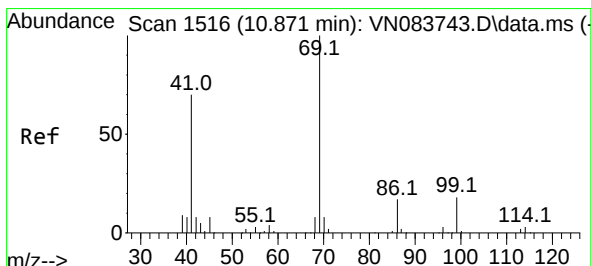
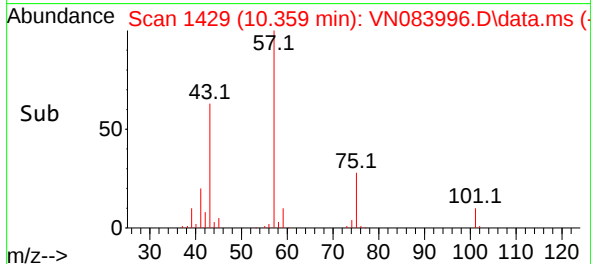
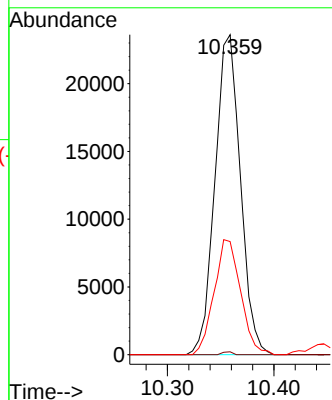
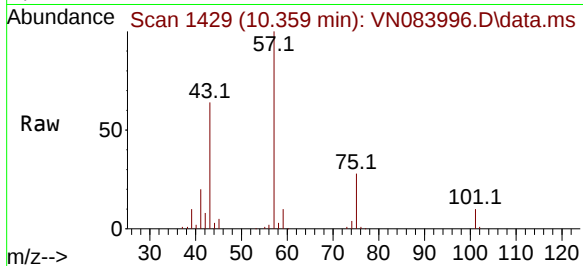




#54
 cis-1,3-Dichloropropene
 Concen: 11.723 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN083996.D
 Acq: 18 Sep 2024 20:39

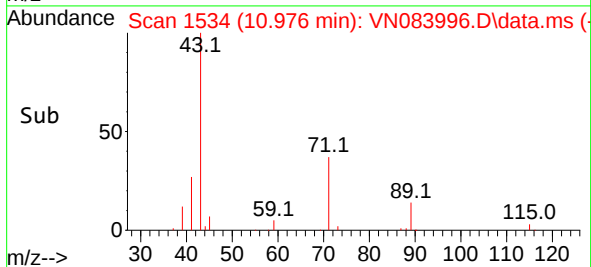
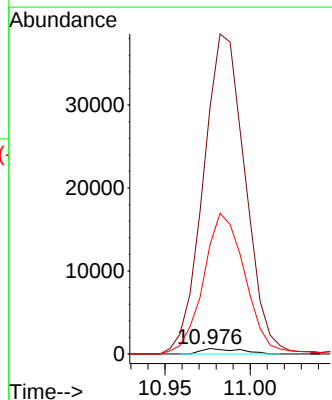
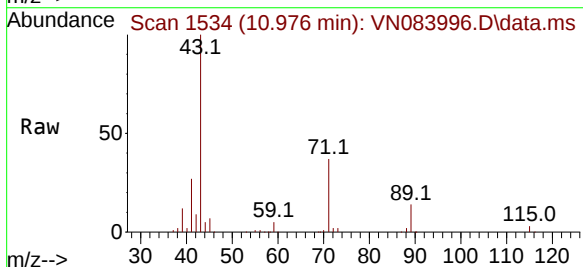
Instrument :
 MSVOA_N
 ClientSampleId :

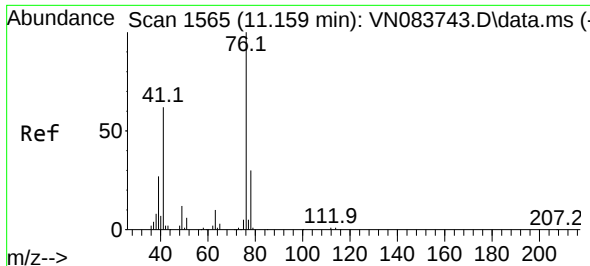
Tgt Ion: 75 Resp: 39061
 Ion Ratio Lower Upper
 75 100
 77 0.9 25.0 37.6#
 39 35.4 42.6 64.0#



#56
 Ethyl methacrylate
 Concen: 0.345 ug/l
 RT: 10.976 min Scan# 1534
 Delta R.T. 0.106 min
 Lab File: VN083996.D
 Acq: 18 Sep 2024 20:39

Tgt Ion: 69 Resp: 1036
 Ion Ratio Lower Upper
 69 100
 41 6376.2 53.9 80.9#
 39 2799.1 32.6 48.8#





#57

1,3-Dichloropropane

Concen: 1.683 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.047 min

Lab File: VN083996.D

Acq: 18 Sep 2024 20:39

Instrument :

MSVOA_N

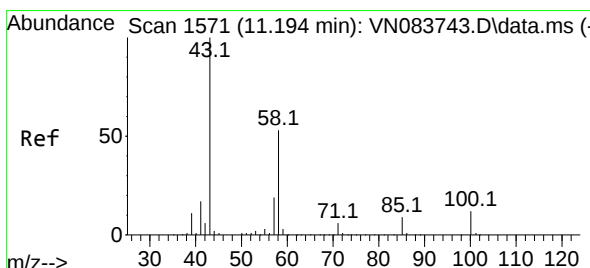
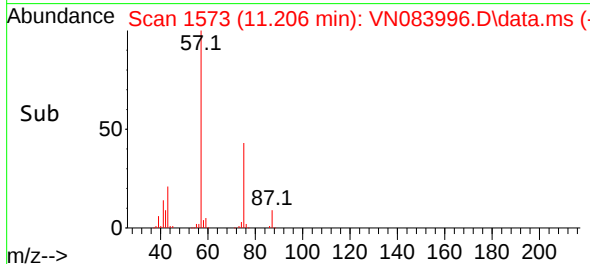
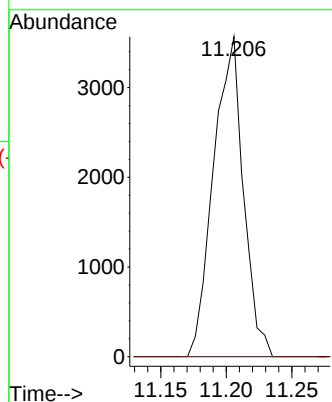
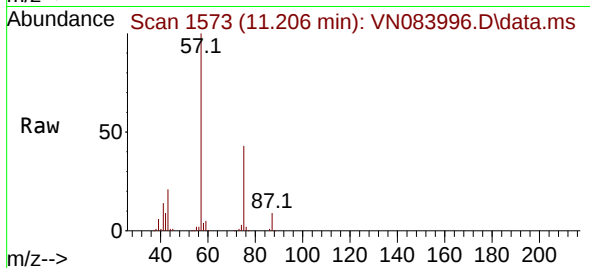
ClientSampleId :

Tgt Ion: 76 Resp: 5642

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 35.598 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN083996.D

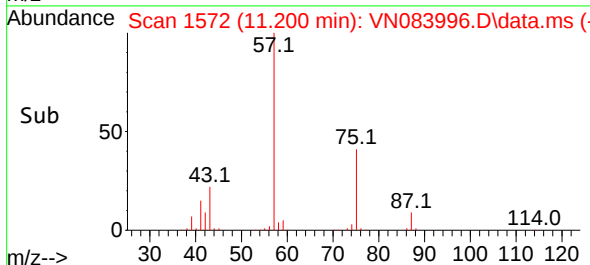
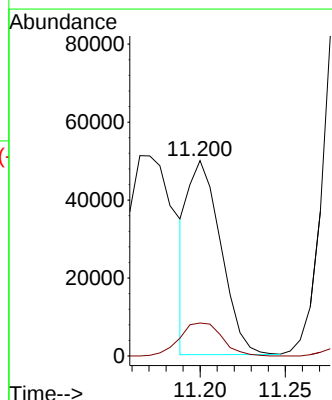
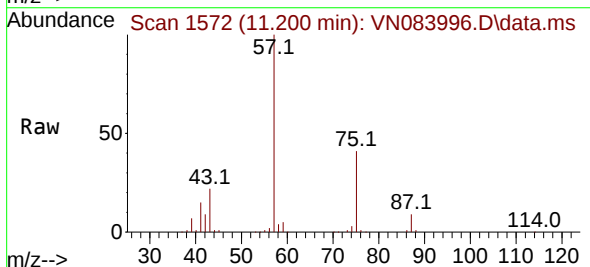
Acq: 18 Sep 2024 20:39

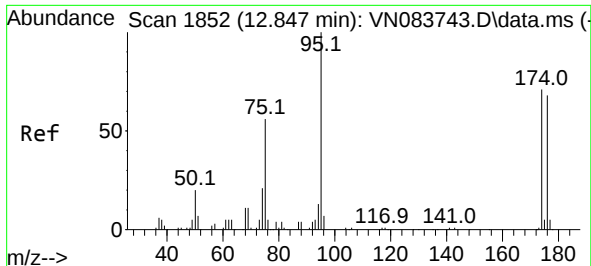
Tgt Ion: 43 Resp: 66911

Ion Ratio Lower Upper

43 100

58 22.0 27.2 81.5#

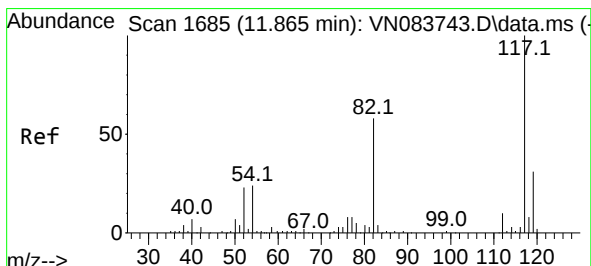
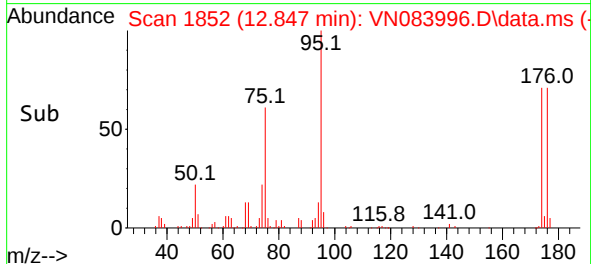
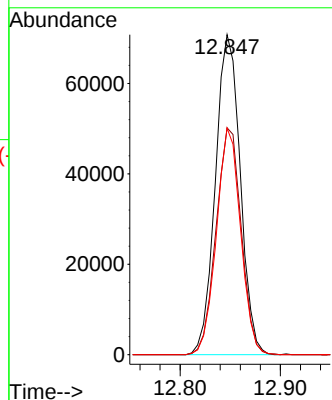
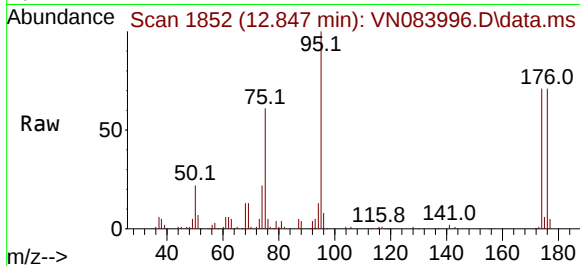




#62
4-Bromofluorobenzene
Concen: 45.236 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083996.D
Acq: 18 Sep 2024 20:39

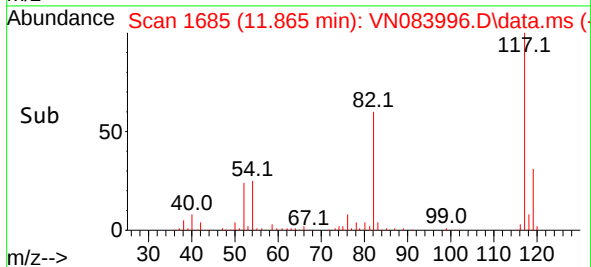
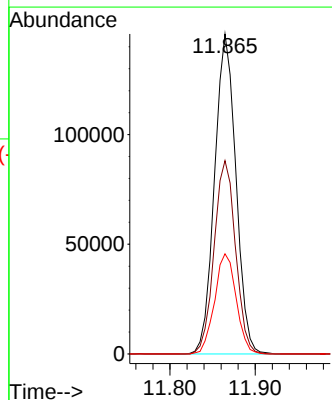
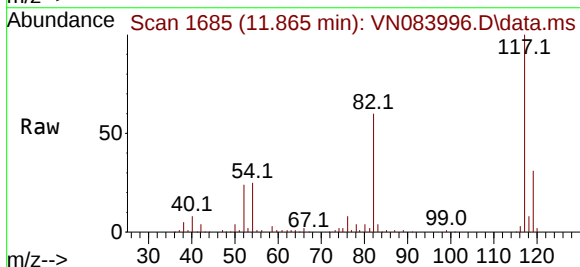
Instrument :
MSVOA_N
ClientSampleId :

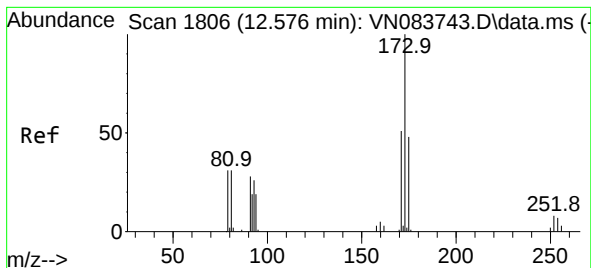
Tgt Ion: 95 Resp: 121646
Ion Ratio Lower Upper
95 100
174 71.7 0.0 139.8
176 68.7 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN083996.D
Acq: 18 Sep 2024 20:39

Tgt Ion: 117 Resp: 253848
Ion Ratio Lower Upper
117 100
82 60.4 47.4 71.0
119 31.3 26.3 39.5





#71

Bromoform

Concen: 0.632 ug/l

RT: 12.847 min Scan# 1806

Delta R.T. 0.270 min

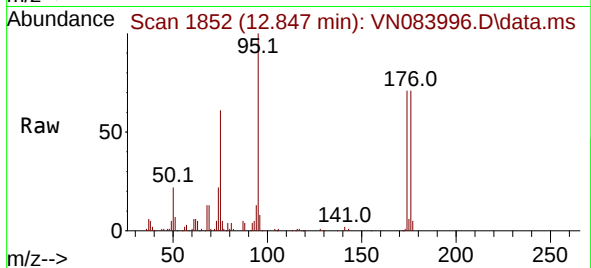
Lab File: VN083996.D

Acq: 18 Sep 2024 20:39

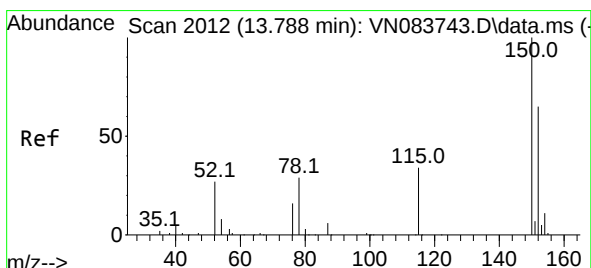
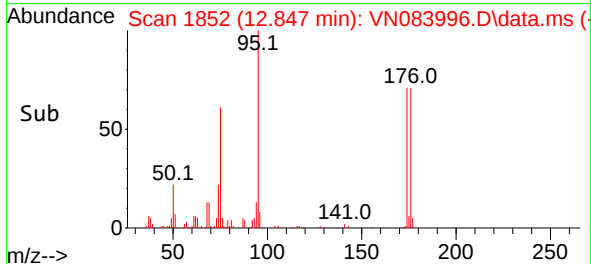
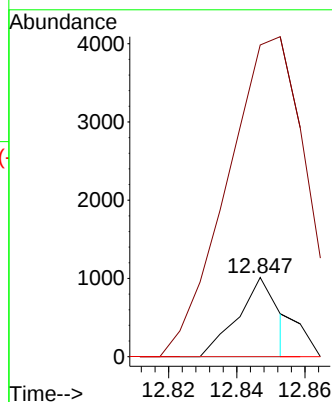
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	173	Resp:	833
Ion Ratio	Lower	Upper	
173	100		
175	0.0	24.1	72.2#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

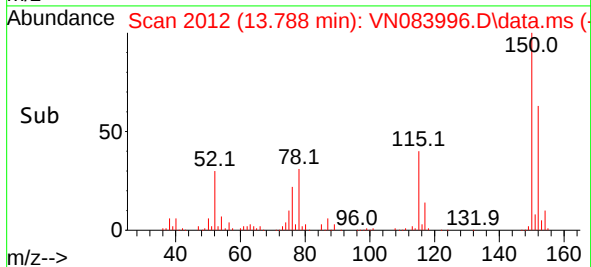
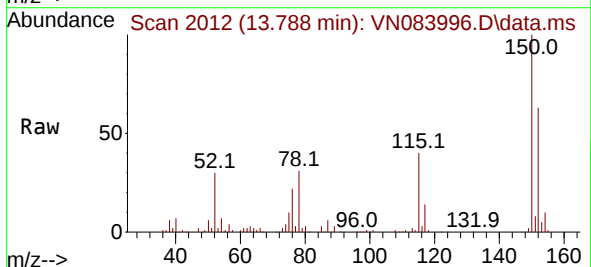
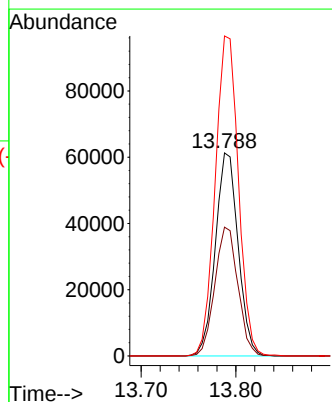
RT: 13.788 min Scan# 1212

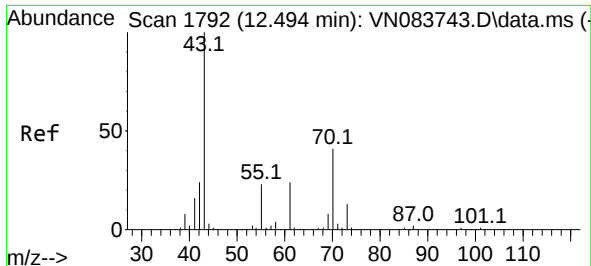
Delta R.T. -0.000 min

Lab File: VN083996.D

Acq: 18 Sep 2024 20:39

Tgt Ion:	152	Resp:	102465
Ion Ratio	Lower	Upper	
152	100		
115	64.4	32.2	96.6
150	160.3	0.0	348.6

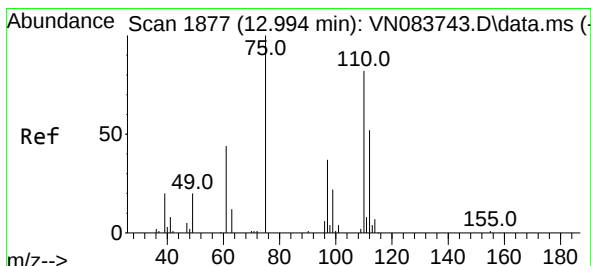
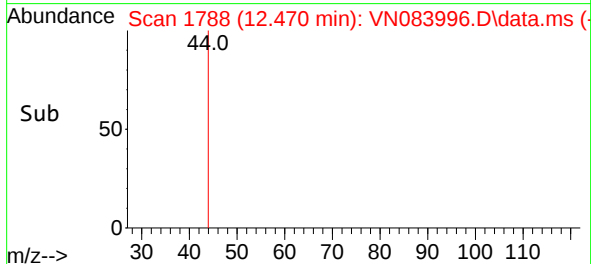
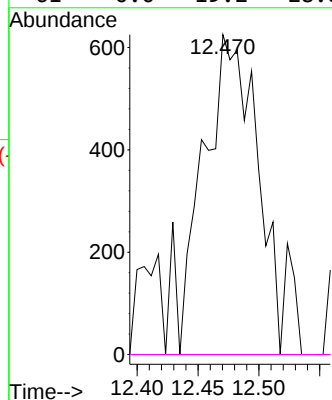
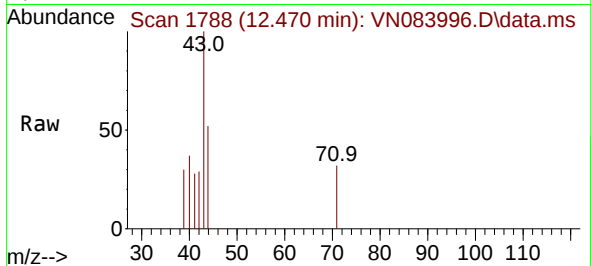




#74
N-amy1 acetate
Concen: 0.558 ug/l
RT: 12.470 min Scan# 1888
Delta R.T. -0.024 min
Lab File: VN083996.D
Acq: 18 Sep 2024 20:39

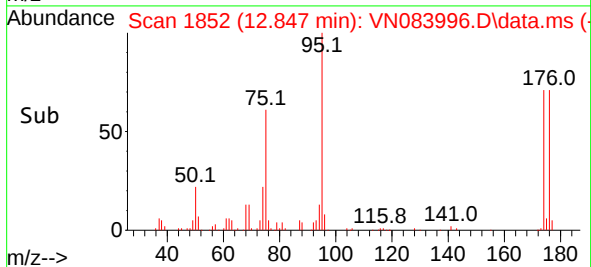
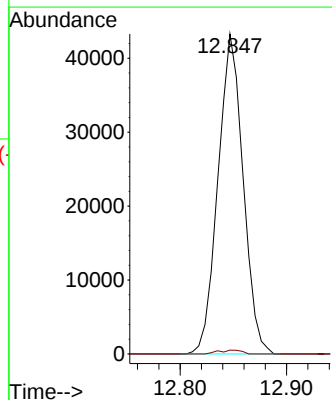
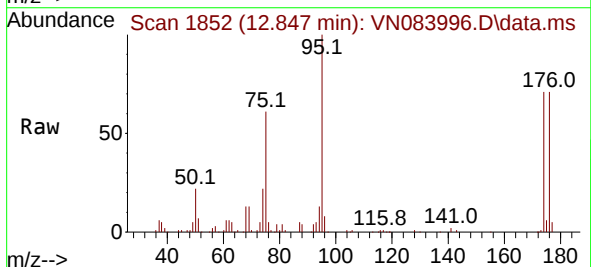
Instrument :
MSVOA_N
ClientSampleId :

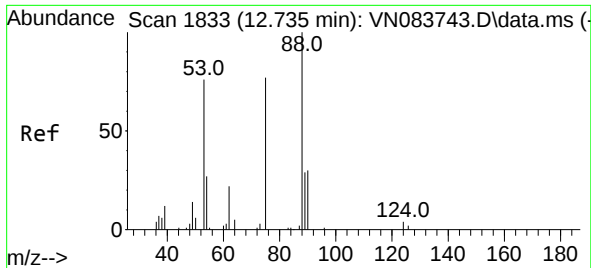
Tgt Ion: 43	Resp: 1888
Ion Ratio	Lower Upper
43 100	
70 0.0	34.5 51.7#
55 0.0	18.6 28.0#
61 0.0	19.2 28.8#



#76
1,2,3-Trichloropropane
Concen: 34.224 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083996.D
Acq: 18 Sep 2024 20:39

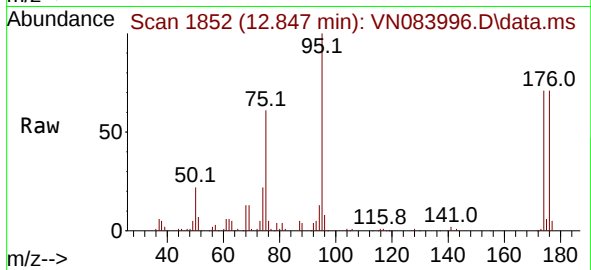
Tgt Ion: 75	Resp: 70759
Ion Ratio	Lower Upper
75 100	
77 1.1	95.2 285.6#





#81
trans-1,4-Dichloro-2-butene
Concen: 89.635 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN083996.D
Acq: 18 Sep 2024 20:39

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 70759
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#

