

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091724\
 Data File : VN083946.D
 Acq On : 17 Sep 2024 15:29
 Operator : JC\MD
 Sample : PB163439TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 18 01:50:27 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.	T.Q	Ion	Response	Conc	Units	Dev(Min)

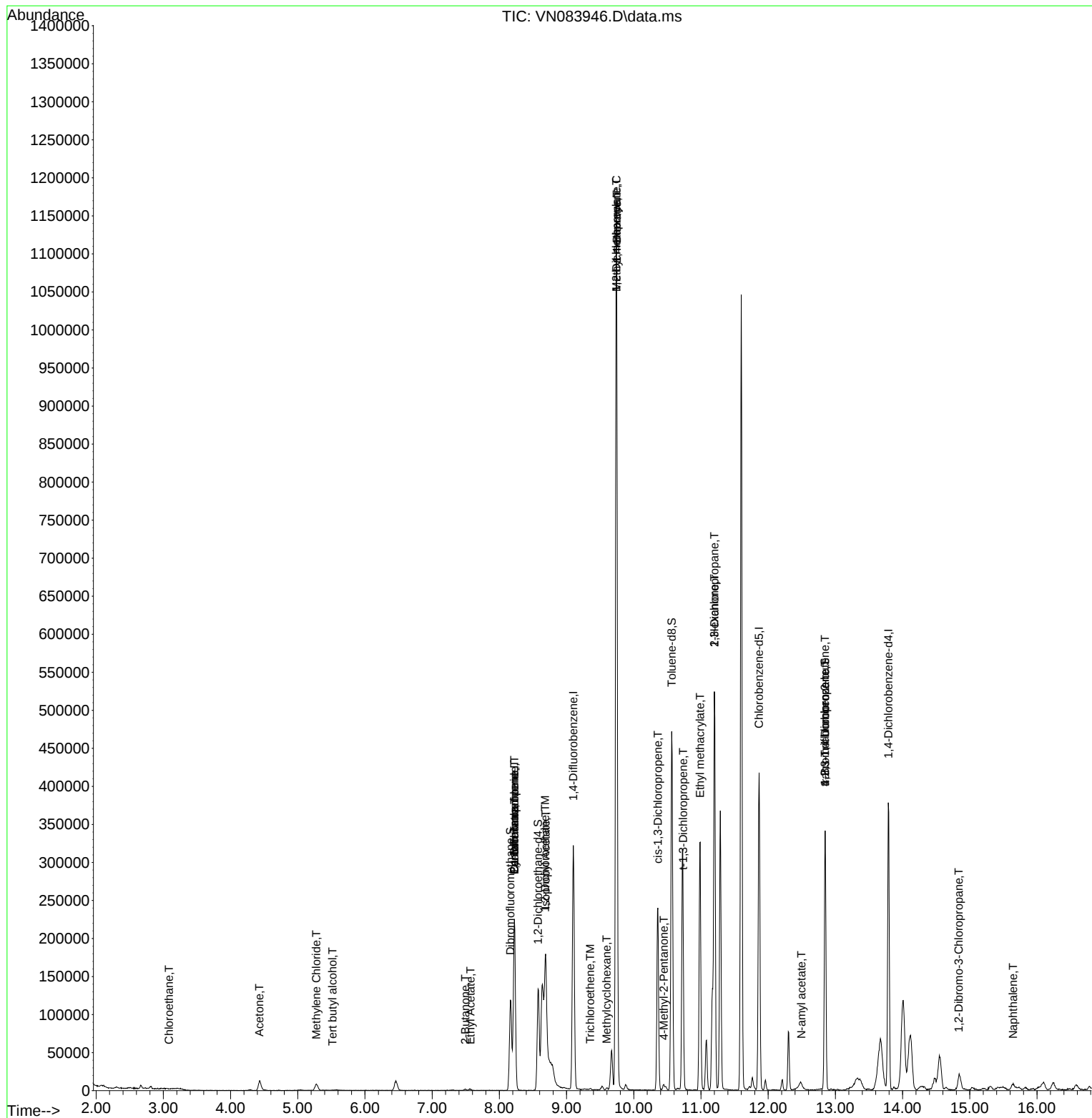
Internal Standards							
1) Pentafluorobenzene	8.224	168		150123	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114		260375	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117		220395	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152		93670	50.000	ug/l	0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.577	65		114534	50.597	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	101.200%	
35) Dibromofluoromethane	8.165	113		82085	49.244	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.480%	
50) Toluene-d8	10.565	98		313656	54.430	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	108.860%	
62) 4-Bromofluorobenzene	12.847	95		113195	47.611	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	95.220%	
Target Compounds							
						Qvalue	
3) Chloromethane	2.359	50		293	Below Cal	#	41
6) Chloroethane	3.083	64		1518	1.132	ug/l #	45
11) Tert butyl alcohol	5.518	59		201	0.663	ug/l #	71
16) Acetone	4.430	43		25389	27.979	ug/l	93
18) Methyl Acetate	5.036	43		1476	Below Cal	#	52
20) Methylene Chloride	5.277	84		6434	3.465	ug/l	87
25) 2-Butanone	7.494	43		2618	2.195	ug/l #	88
31) Cyclohexane	8.224	56		4292	1.312	ug/l #	23
36) 1,1-Dichloropropene	8.224	75		14099	5.620	ug/l #	50
37) Ethyl Acetate	7.571	43		3378	1.483	ug/l #	71
38) Carbon Tetrachloride	8.224	117		17645	6.199	ug/l #	16
39) Methylcyclohexane	9.594	83		976	0.342	ug/l	89
42) 1,2-Dichloroethane	8.682	62		944	0.335	ug/l #	77
43) Isopropyl Acetate	8.688	43		278573	67.503	ug/l #	75
44) Trichloroethene	9.353	130		556	0.318	ug/l	64
45) 1,2-Dichloropropane	9.741	63		1475	0.808	ug/l #	42
48) Methyl methacrylate	9.741	41		108884	55.611	ug/l #	46
49) 1,4-Dioxane	9.747	88		55	1.708	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43		4378	1.949	ug/l	96
53) t-1,3-Dichloropropene	10.735	75		832	0.297	ug/l #	42
54) cis-1,3-Dichloropropene	10.359	75		41914	14.228	ug/l #	61
56) Ethyl methacrylate	10.988	69		1145	0.432	ug/l #	1
57) 1,3-Dichloropropane	11.200	76		5052	1.705	ug/l #	42
59) 2-Hexanone	11.200	43		70673	42.529	ug/l #	53
74) N-amyl acetate	12.494	43		1047	0.339	ug/l #	57
76) 1,2,3-Trichloropropane	12.847	75		63556	33.626	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75		63556	88.069	ug/l #	9
92) 1,2-Dibromo-3-Chloropr...	14.835	75		740	1.743	ug/l #	7
95) Naphthalene	15.647	128		2081	0.401	ug/l #	84

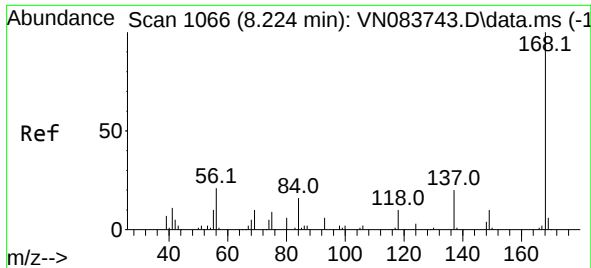
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091724\
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Sample : PB163439TB
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Instrument :
MSVOA_N
ClientSampleId :

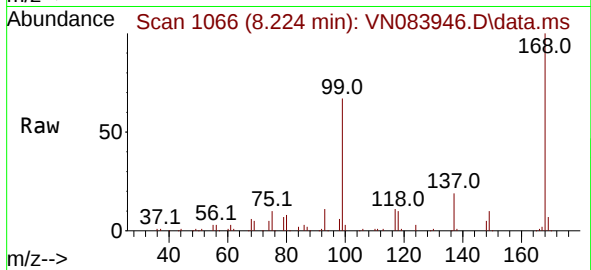
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration



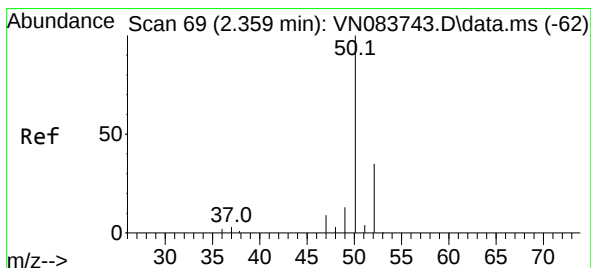
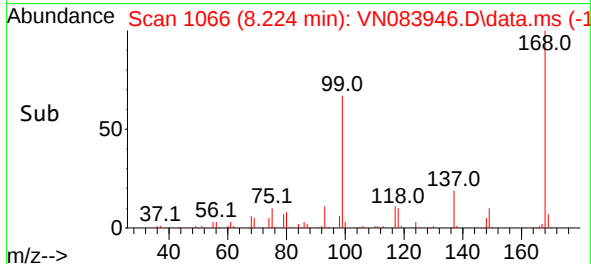
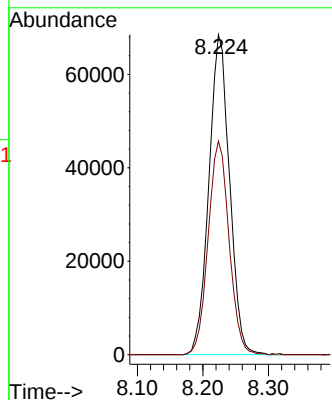


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083946.D
Acq: 17 Sep 2024 15:29

Instrument :
MSVOA_N
ClientSampleId :

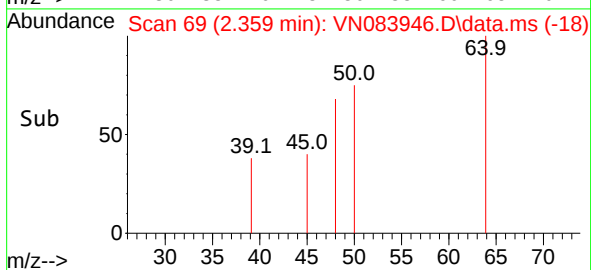
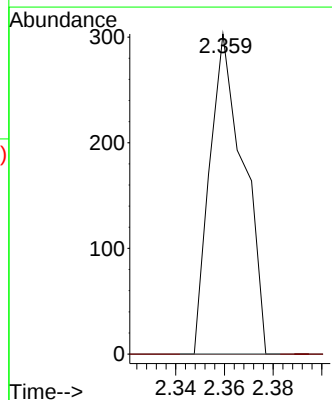
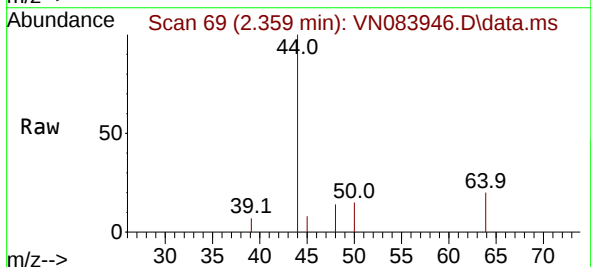


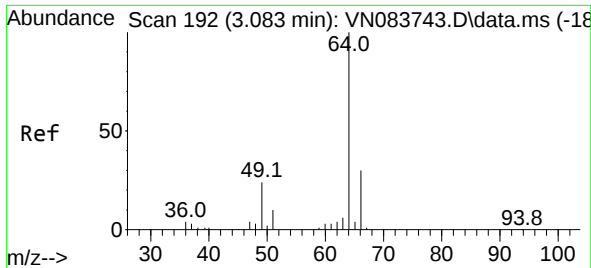
Tgt Ion:168 Resp: 150123
Ion Ratio Lower Upper
168 100
99 66.7 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN083946.D
Acq: 17 Sep 2024 15:29

Tgt Ion: 50 Resp: 293
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#

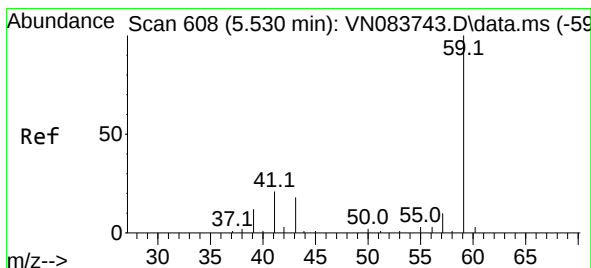
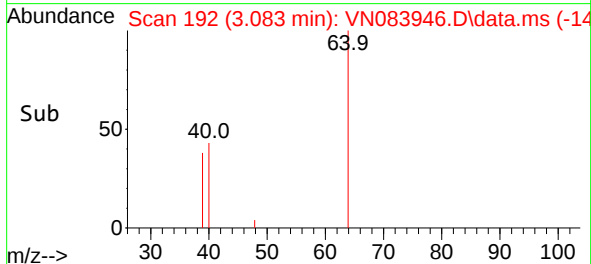
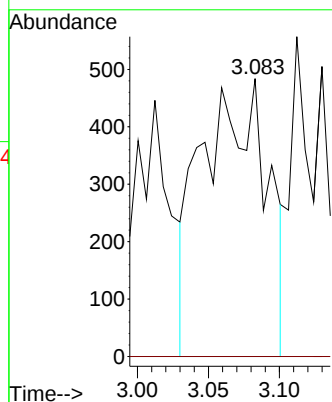
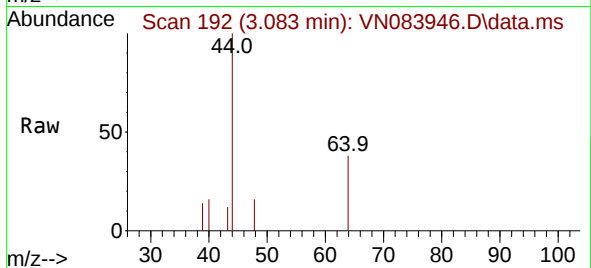




#6
Chloroethane
Concen: 1.132 ug/l
RT: 3.083 min Scan# 192
Delta R.T. -0.000 min
Lab File: VN083946.D
Acq: 17 Sep 2024 15:29

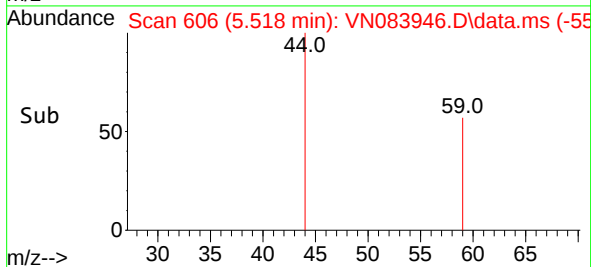
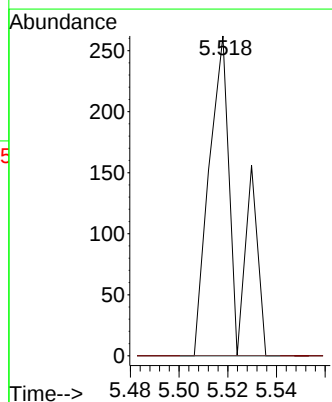
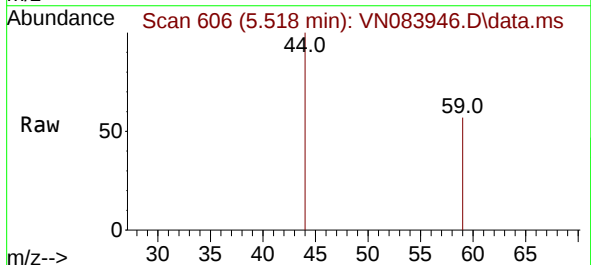
Instrument :
MSVOA_N
ClientSampleId :

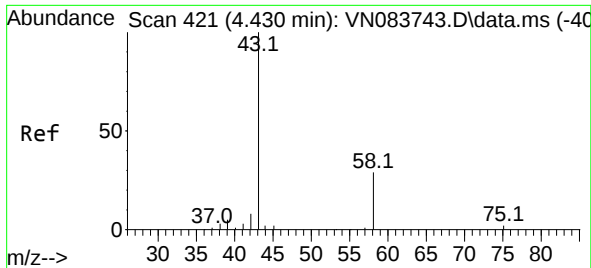
Tgt Ion: 64 Resp: 1518
Ion Ratio Lower Upper
64 100
66 0.0 23.9 35.9#



#11
Tert butyl alcohol
Concen: 0.663 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.012 min
Lab File: VN083946.D
Acq: 17 Sep 2024 15:29

Tgt Ion: 59 Resp: 201
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

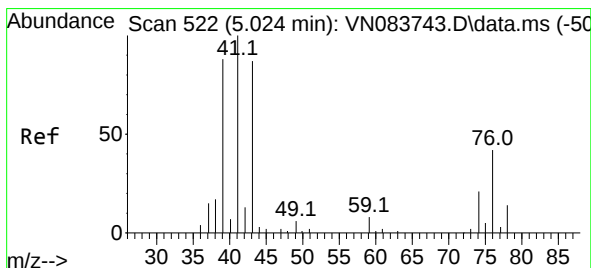
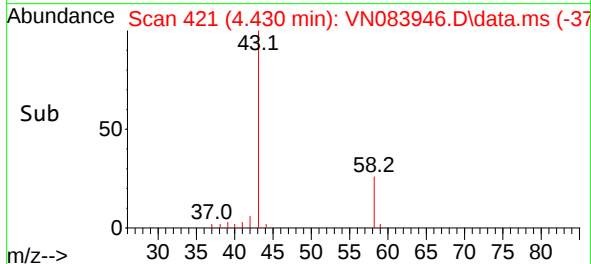
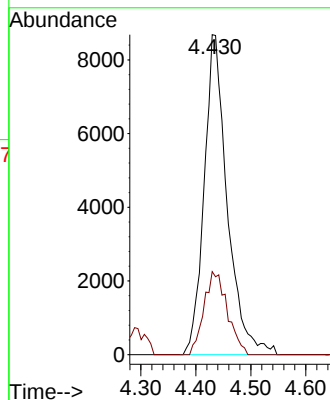
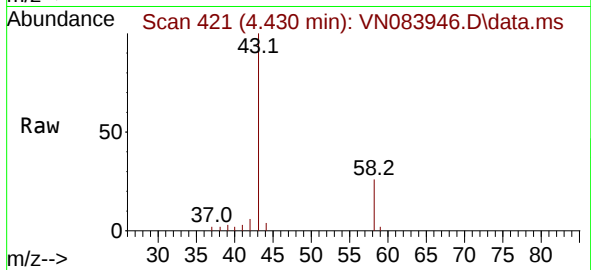




#16
Acetone
Concen: 27.979 ug/l
RT: 4.430 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN083946.D
Acq: 17 Sep 2024 15:29

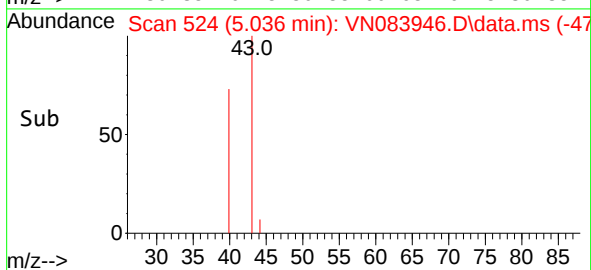
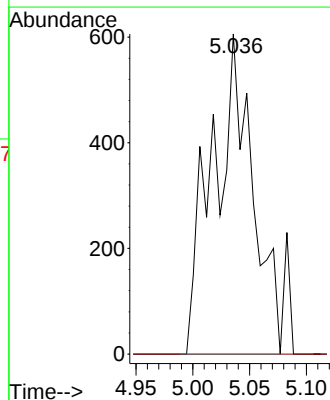
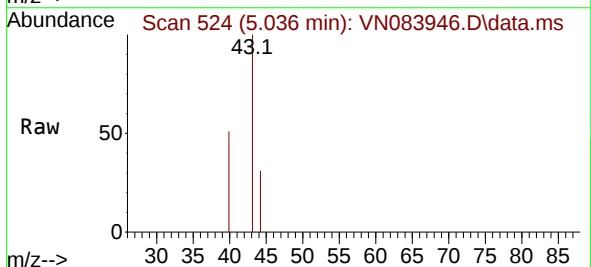
Instrument :
MSVOA_N
ClientSampleId :

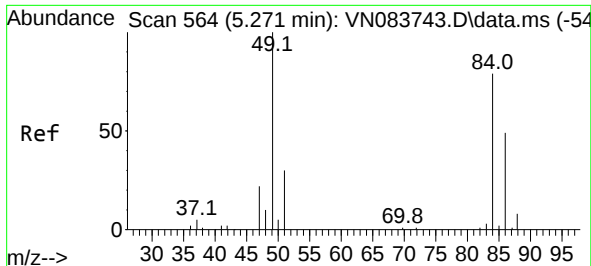
Tgt Ion: 43 Resp: 25389
Ion Ratio Lower Upper
43 100
58 25.9 23.7 35.5



#18
Methyl Acetate
Concen: Below Cal
RT: 5.036 min Scan# 524
Delta R.T. 0.012 min
Lab File: VN083946.D
Acq: 17 Sep 2024 15:29

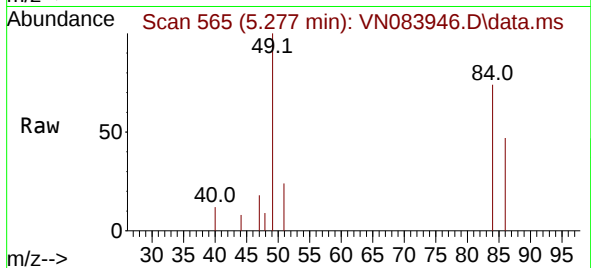
Tgt Ion: 43 Resp: 1476
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.4#



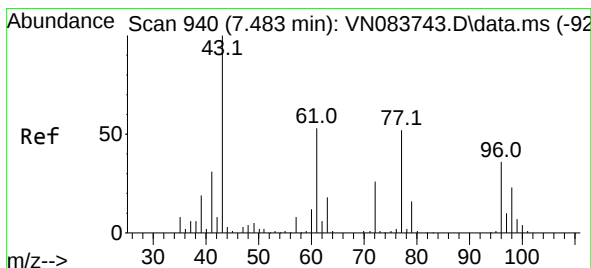
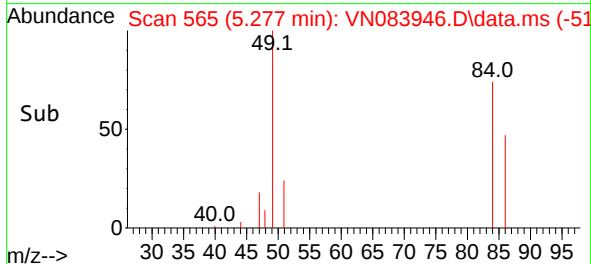
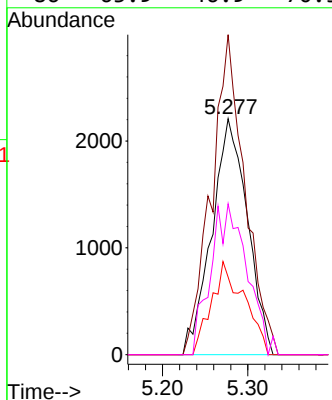


#20
Methylene Chloride
Concen: 3.465 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN083946.D
Acq: 17 Sep 2024 15:29

Instrument :
MSVOA_N
ClientSampleId :

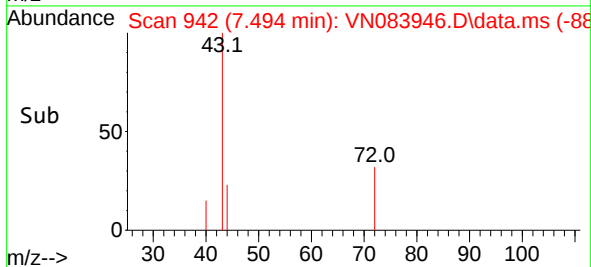
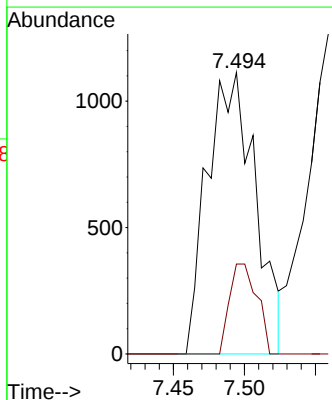
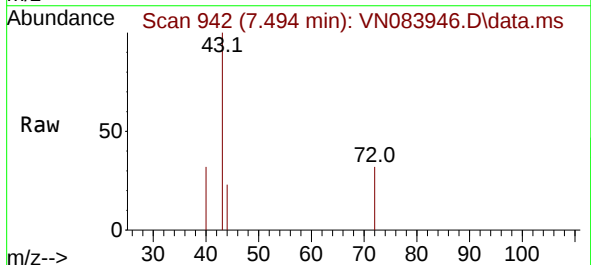


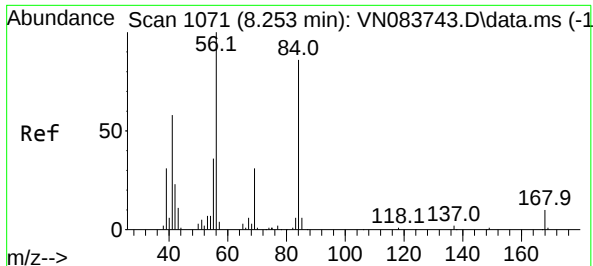
Tgt Ion: 84	Resp: 6434
Ion Ratio	Lower Upper
84 100	
49 135.6	93.4 140.0
51 32.9	29.2 43.8
86 63.9	46.9 70.3



#25
2-Butanone
Concen: 2.195 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN083946.D
Acq: 17 Sep 2024 15:29

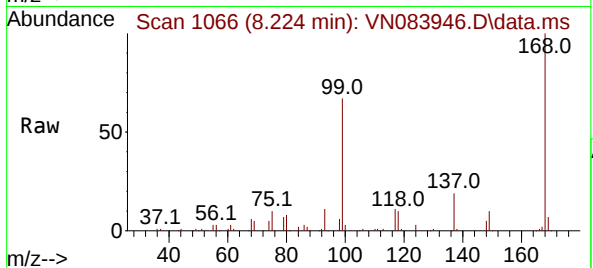
Tgt Ion: 43	Resp: 2618
Ion Ratio	Lower Upper
43 100	
72 32.0	20.8 31.2#



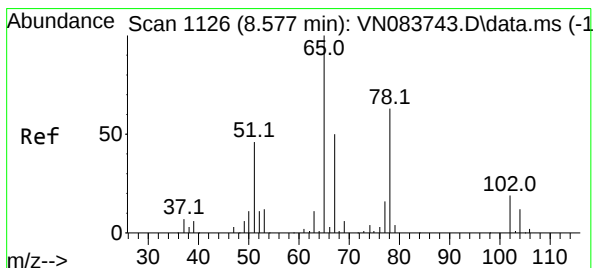
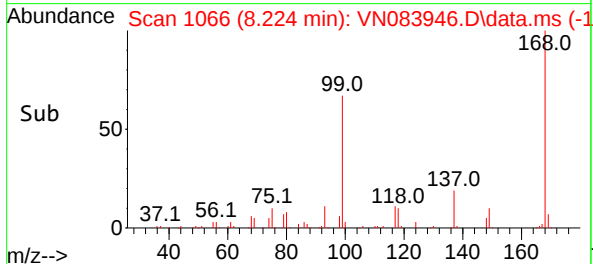
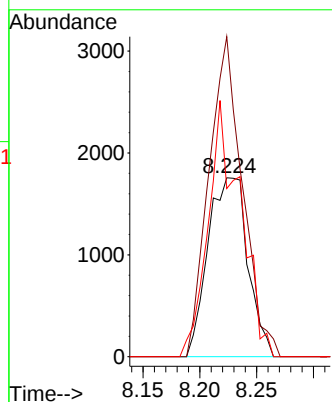


#31
Cyclohexane
Concen: 1.312 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN083946.D
Acq: 17 Sep 2024 15:29

Instrument :
MSVOA_N
ClientSampleId :

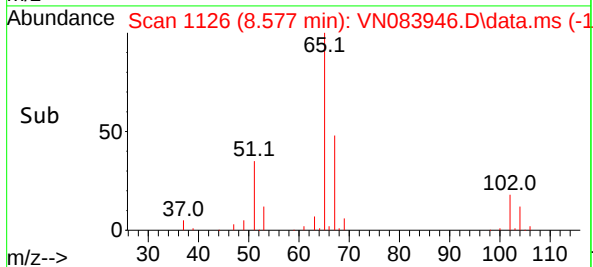
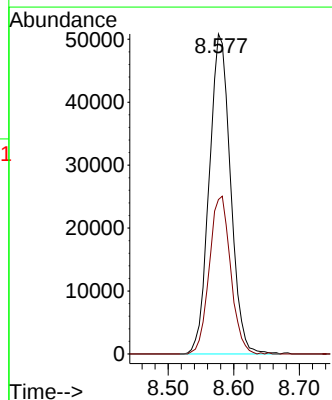
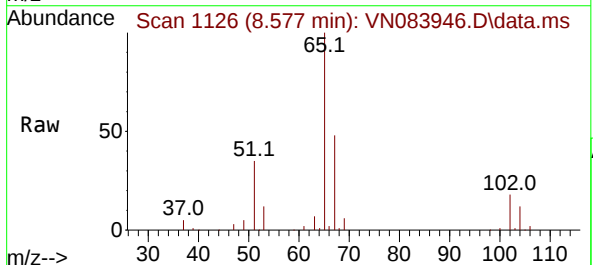


Tgt Ion: 56 Resp: 4292
Ion Ratio Lower Upper
56 100
69 178.8 26.9 40.3#
84 94.0 69.2 103.8



#33
1,2-Dichloroethane-d4
Concen: 50.597 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN083946.D
Acq: 17 Sep 2024 15:29

Tgt Ion: 65 Resp: 114534
Ion Ratio Lower Upper
65 100
67 49.3 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN083946.D

Acq: 17 Sep 2024 15:29

Instrument :

MSVOA_N

ClientSampleId :

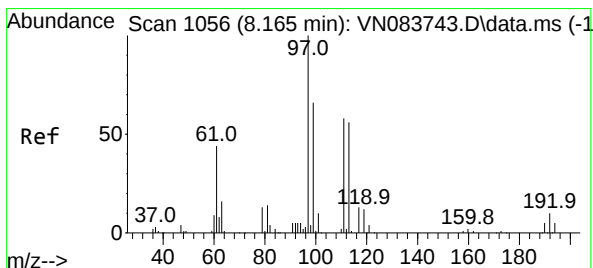
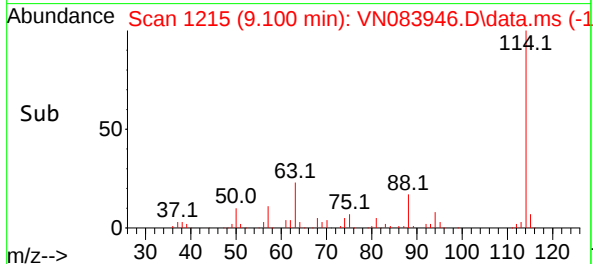
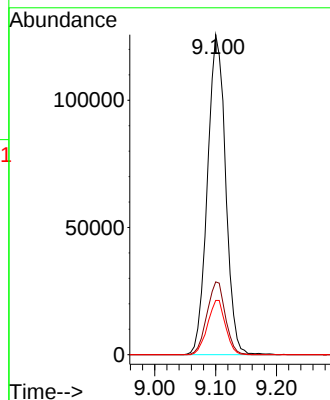
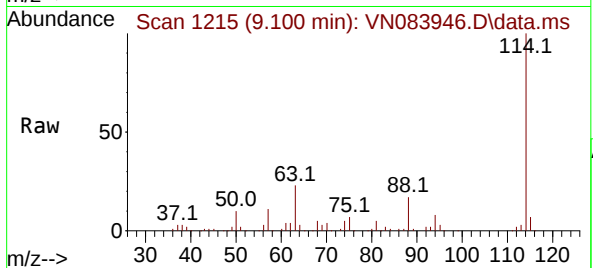
Tgt Ion:114 Resp: 260375

Ion Ratio Lower Upper

114 100

63 22.7 0.0 43.4

88 16.9 0.0 32.6



#35

Dibromofluoromethane

Concen: 49.244 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN083946.D

Acq: 17 Sep 2024 15:29

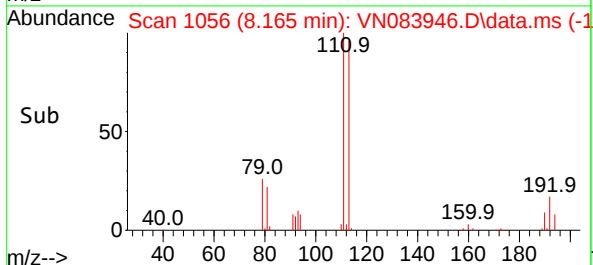
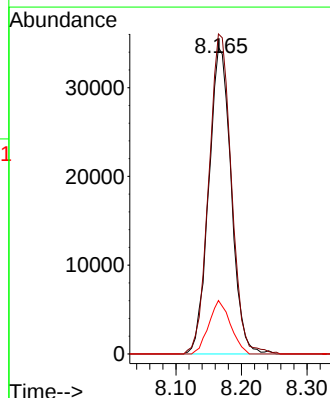
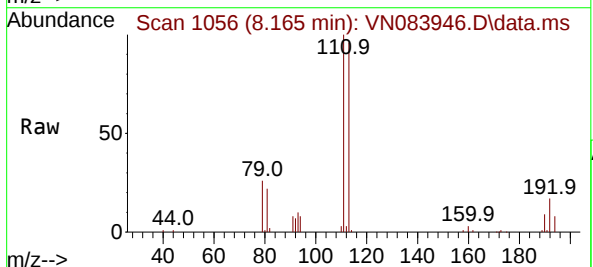
Tgt Ion:113 Resp: 82085

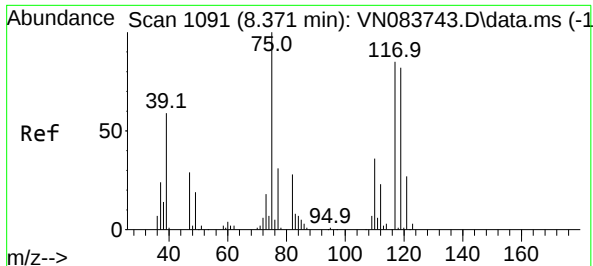
Ion Ratio Lower Upper

113 100

111 105.1 82.6 124.0

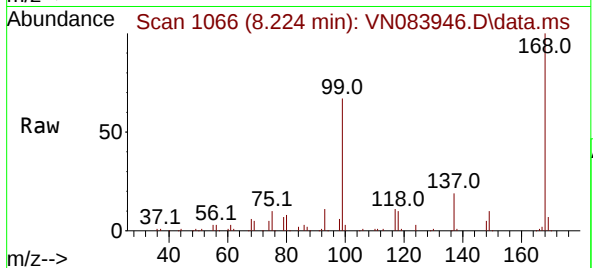
192 16.9 14.3 21.5



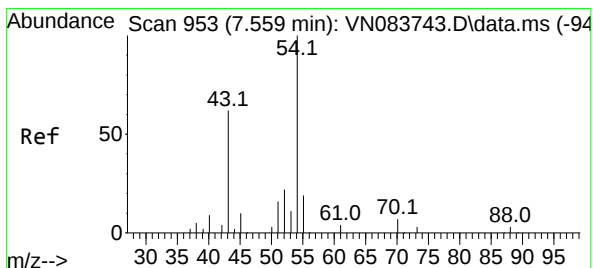
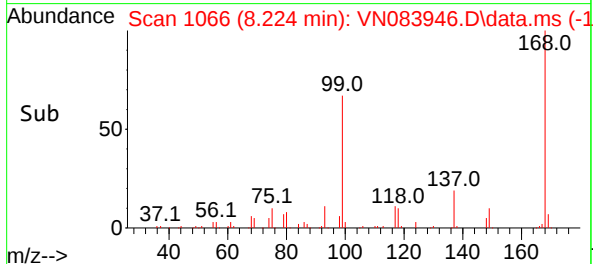
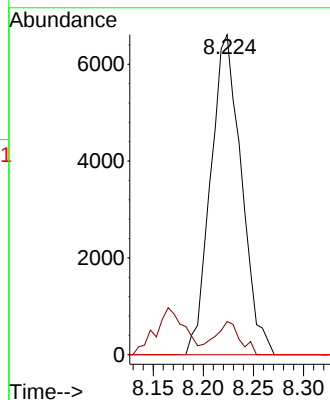


#36
1,1-Dichloropropene
Concen: 5.620 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN083946.D
Acq: 17 Sep 2024 15:29

Instrument :
MSVOA_N
ClientSampleId :

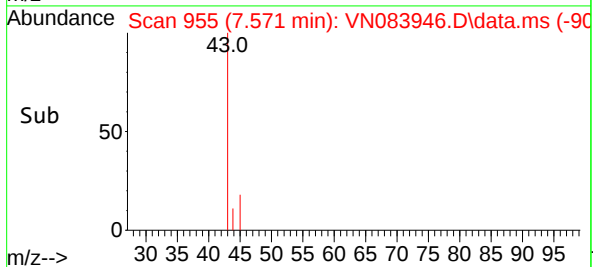
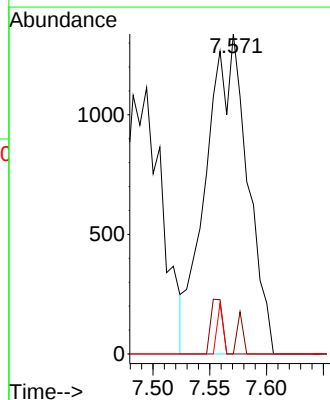
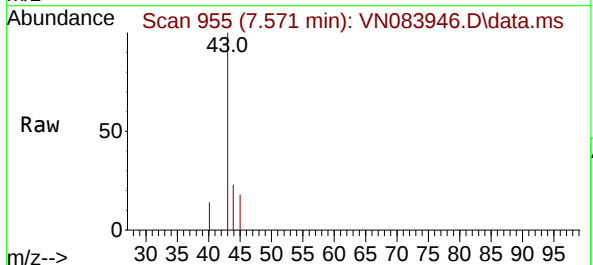


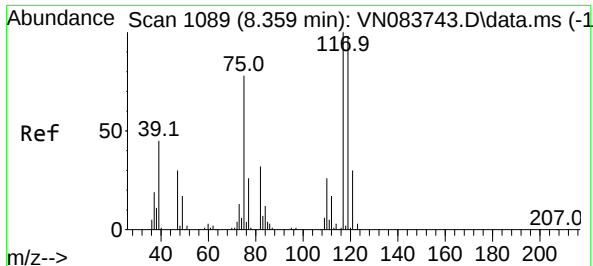
Tgt Ion: 75 Resp: 14099
Ion Ratio Lower Upper
75 100
110 8.1 16.7 50.1#
77 0.0 25.2 37.8#



#37
Ethyl Acetate
Concen: 1.483 ug/l
RT: 7.571 min Scan# 955
Delta R.T. 0.012 min
Lab File: VN083946.D
Acq: 17 Sep 2024 15:29

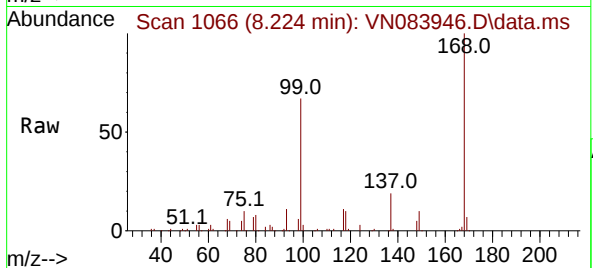
Tgt Ion: 43 Resp: 3378
Ion Ratio Lower Upper
43 100
61 1.8 11.1 16.7#
70 0.0 8.8 13.2#



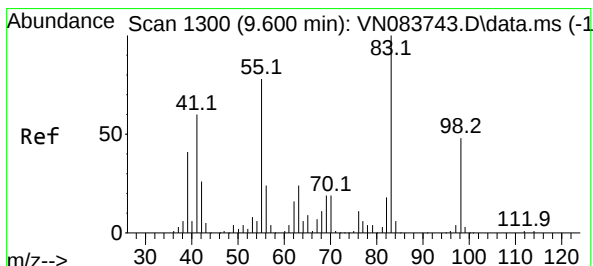
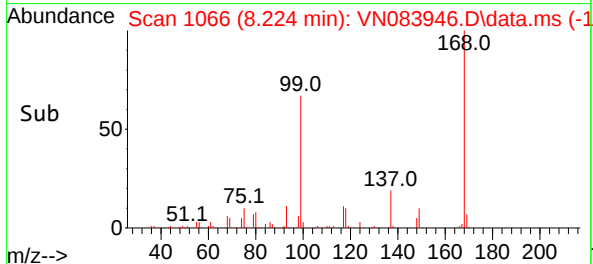
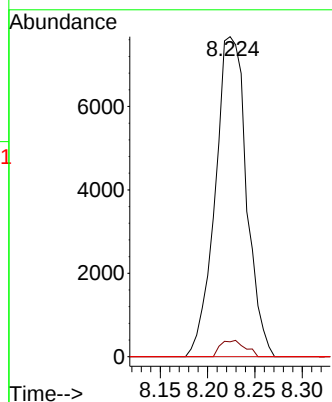


#38
Carbon Tetrachloride
Concen: 6.199 ug/l
RT: 8.224 min Scan# 117
Delta R.T. -0.135 min
Lab File: VN083946.D
Acq: 17 Sep 2024 15:29

Instrument :
MSVOA_N
ClientSampleId :

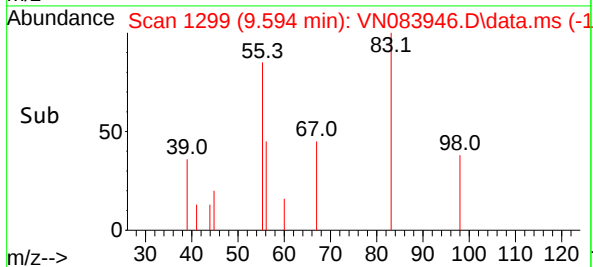
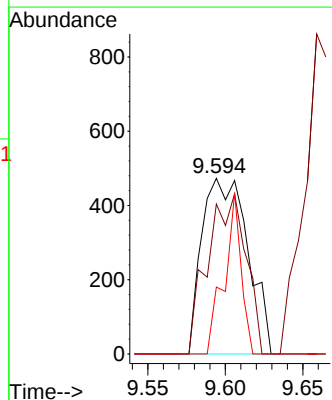
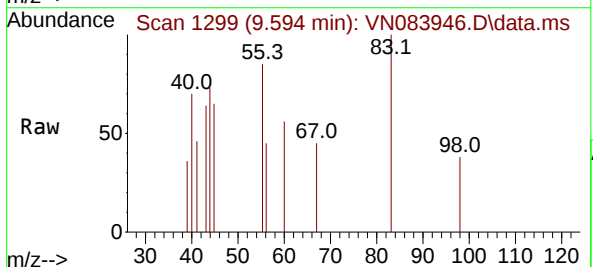


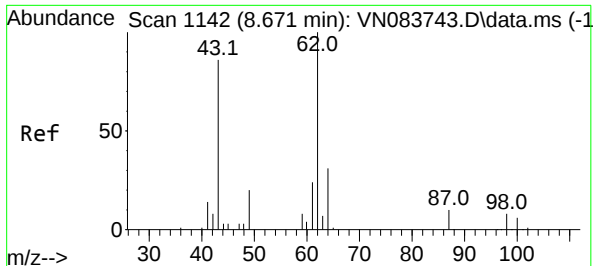
Tgt Ion:117 Resp: 17645
Ion Ratio Lower Upper
117 100
119 4.7 76.1 114.1#
121 0.0 24.1 36.1#



#39
Methylcyclohexane
Concen: 0.342 ug/l
RT: 9.594 min Scan# 1299
Delta R.T. -0.006 min
Lab File: VN083946.D
Acq: 17 Sep 2024 15:29

Tgt Ion: 83 Resp: 976
Ion Ratio Lower Upper
83 100
55 85.4 62.2 93.4
98 38.1 37.6 56.4





#42

1,2-Dichloroethane

Concen: 0.335 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. 0.012 min

Lab File: VN083946.D

Acq: 17 Sep 2024 15:29

Instrument :

MSVOA_N

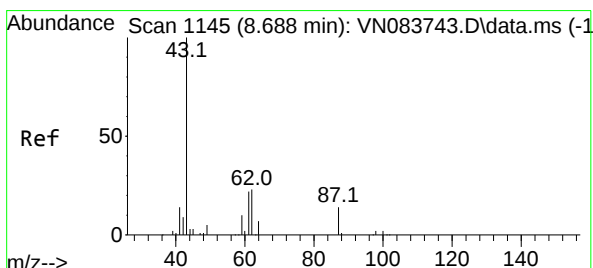
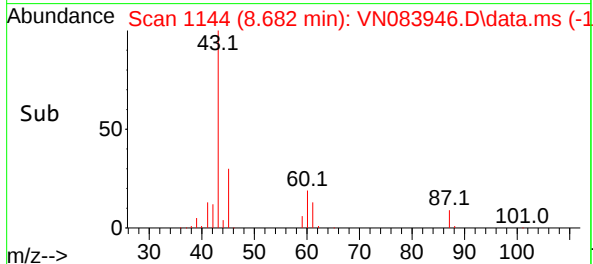
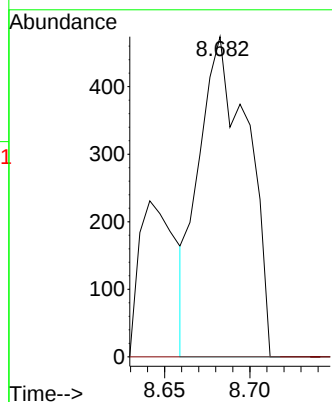
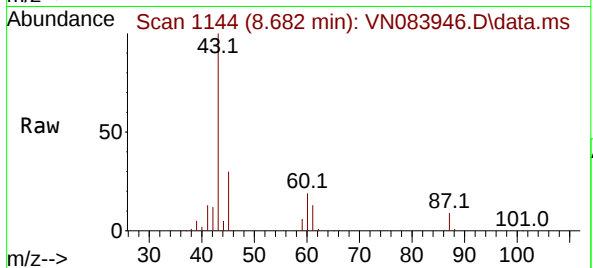
ClientSampleId :

Tgt Ion: 62 Resp: 944

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.6



#43

Isopropyl Acetate

Concen: 67.503 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN083946.D

Acq: 17 Sep 2024 15:29

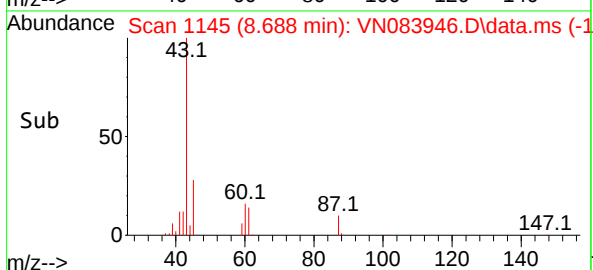
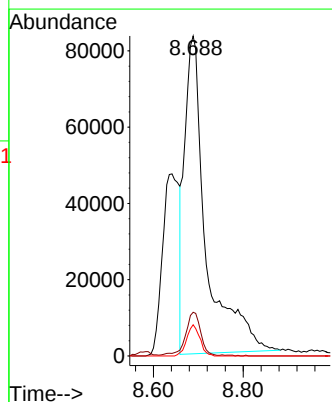
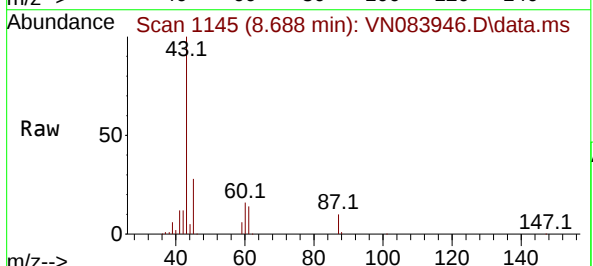
Tgt Ion: 43 Resp: 278573

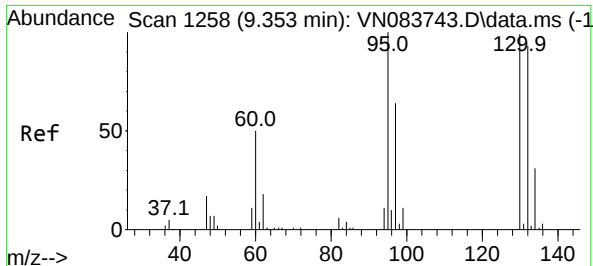
Ion Ratio Lower Upper

43 100

61 9.8 19.4 29.0#

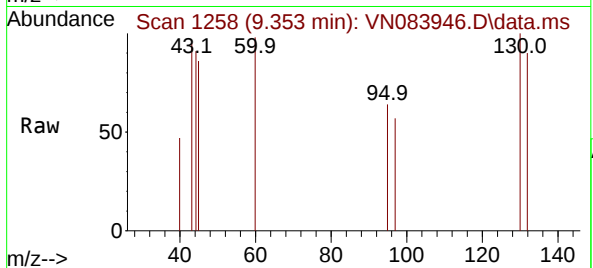
87 5.9 9.8 14.6#



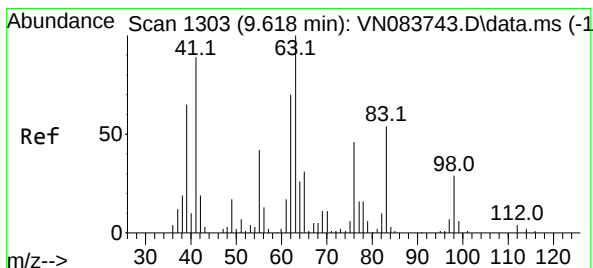
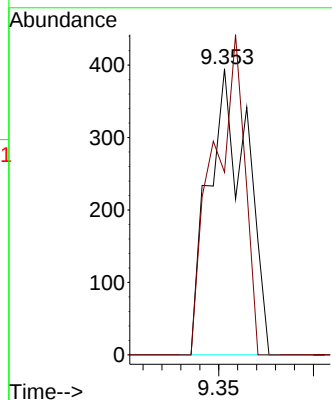
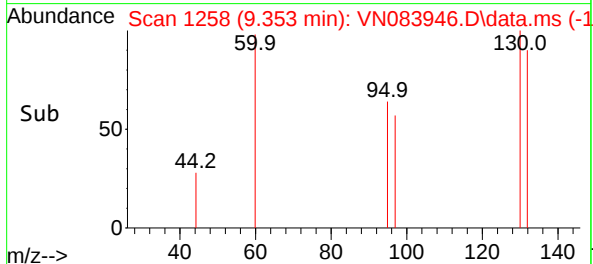


#44
Trichloroethene
Concen: 0.318 ug/l
RT: 9.353 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN083946.D
Acq: 17 Sep 2024 15:29

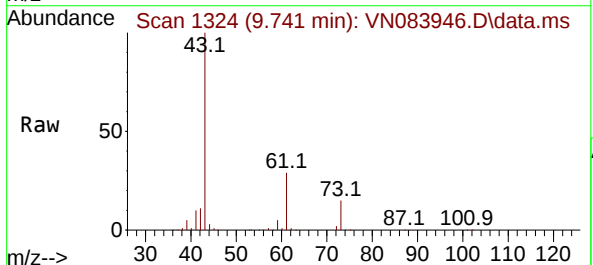
Instrument :
MSVOA_N
ClientSampleId :



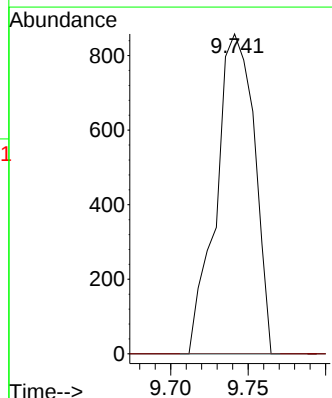
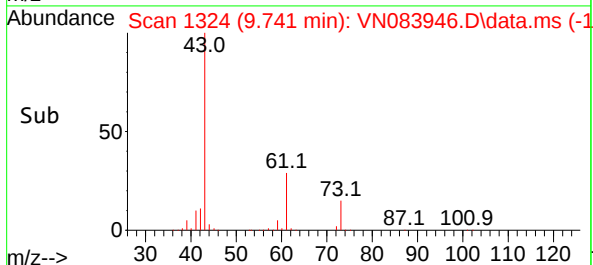
Tgt Ion:130 Resp: 556
Ion Ratio Lower Upper
130 100
95 63.8 0.0 200.4

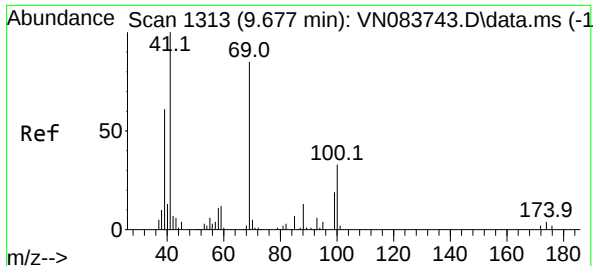


#45
1,2-Dichloropropane
Concen: 0.808 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.123 min
Lab File: VN083946.D
Acq: 17 Sep 2024 15:29



Tgt Ion: 63 Resp: 1475
Ion Ratio Lower Upper
63 100
65 0.0 25.9 38.9#





#48

Methyl methacrylate

Concen: 55.611 ug/l

RT: 9.741 min Scan# 1

Delta R.T. 0.065 min

Lab File: VN083946.D

Acq: 17 Sep 2024 15:29

Instrument :

MSVOA_N

ClientSampleId :

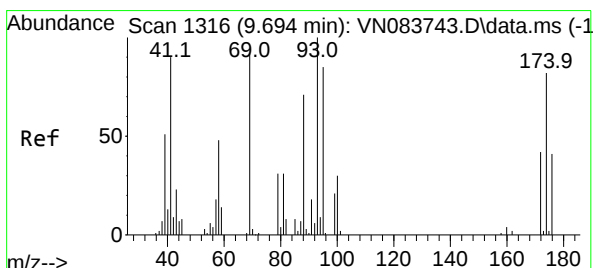
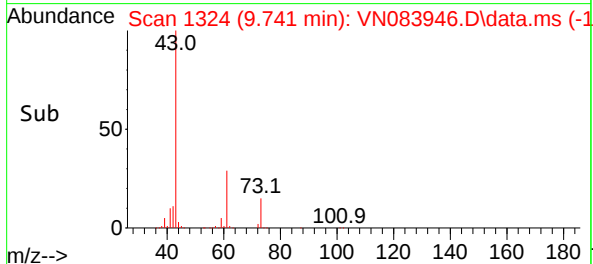
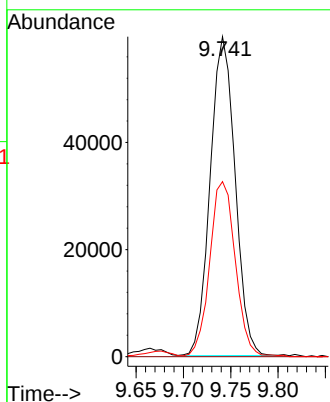
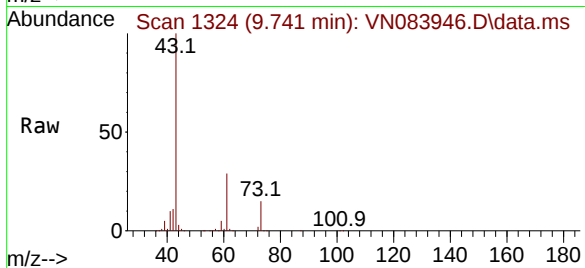
Tgt Ion: 41 Resp: 108884

Ion Ratio Lower Upper

41 100

69 0.0 64.3 96.5#

39 56.7 48.9 73.3



#49

1,4-Dioxane

Concen: 1.708 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.053 min

Lab File: VN083946.D

Acq: 17 Sep 2024 15:29

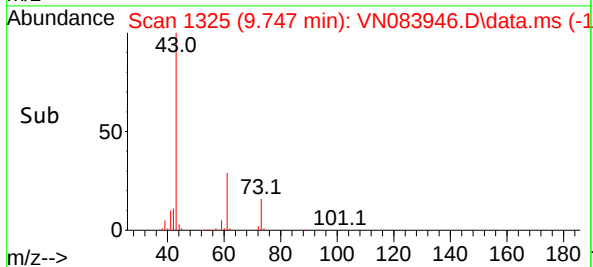
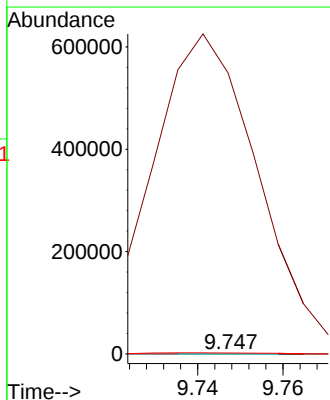
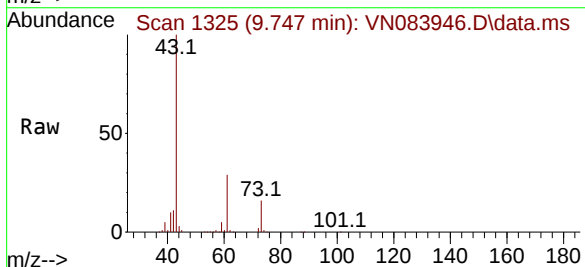
Tgt Ion: 88 Resp: 55

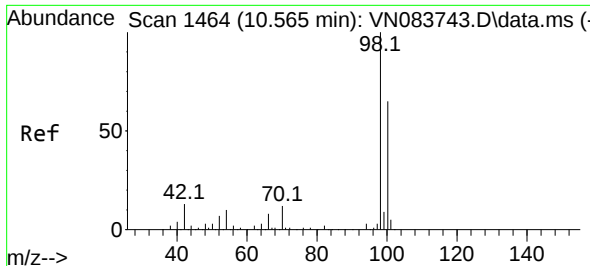
Ion Ratio Lower Upper

88 100

43 2031007.3 0.0 0.0#

58 8290.9 57.1 85.7#

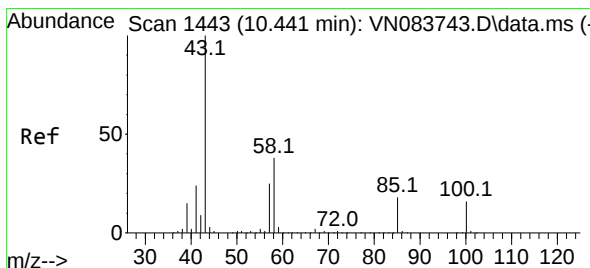
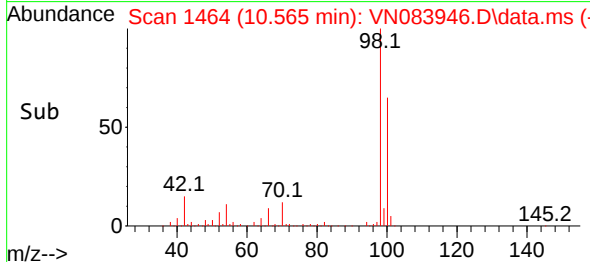
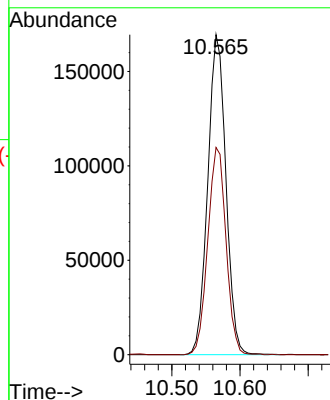
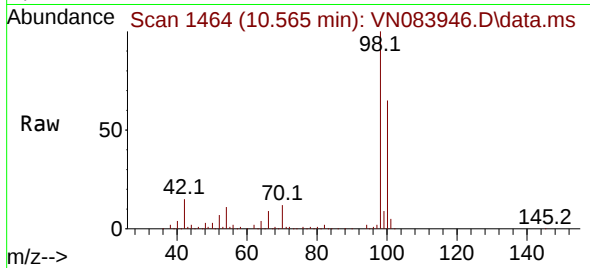




#50
Toluene-d8
Concen: 54.430 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083946.D
Acq: 17 Sep 2024 15:29

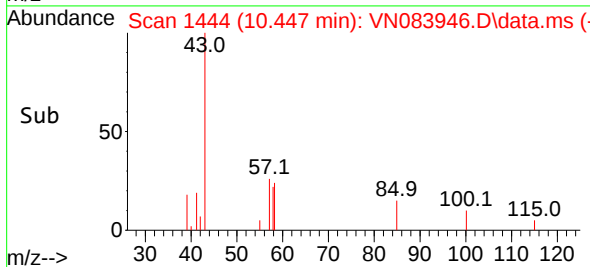
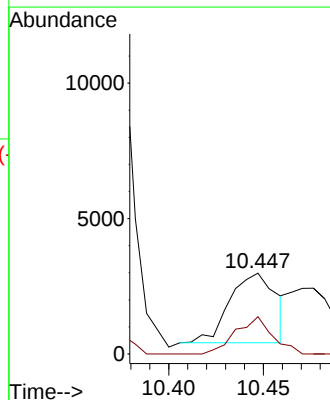
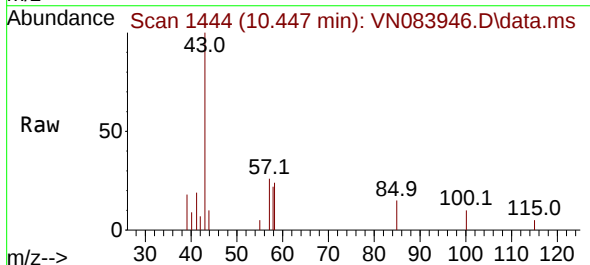
Instrument :
MSVOA_N
ClientSampleId :

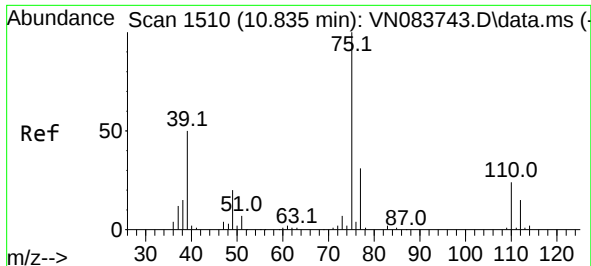
Tgt Ion: 98 Resp: 313656
Ion Ratio Lower Upper
98 100
100 65.1 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.949 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN083946.D
Acq: 17 Sep 2024 15:29

Tgt Ion: 43 Resp: 4378
Ion Ratio Lower Upper
43 100
58 42.2 31.6 47.4

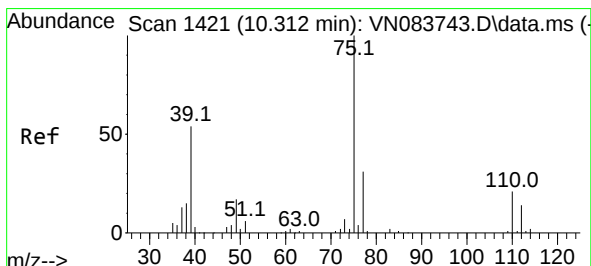
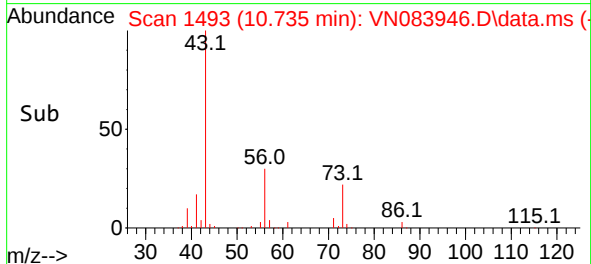
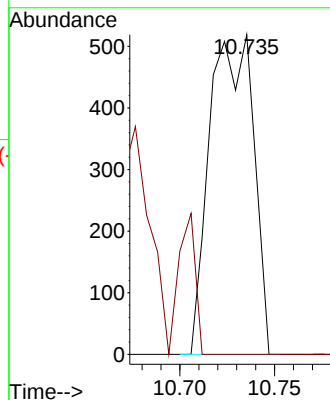
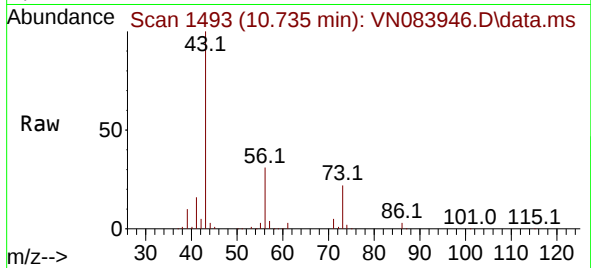




#53
 t-1,3-Dichloropropene
 Concen: 0.297 ug/l
 RT: 10.735 min Scan# 1493
 Delta R.T. -0.100 min
 Lab File: VN083946.D
 Acq: 17 Sep 2024 15:29

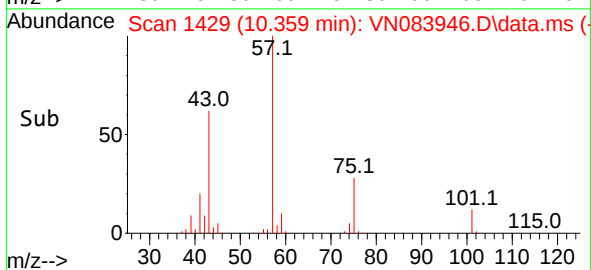
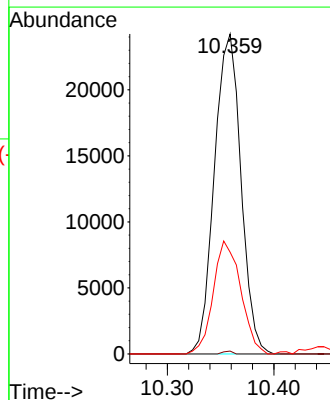
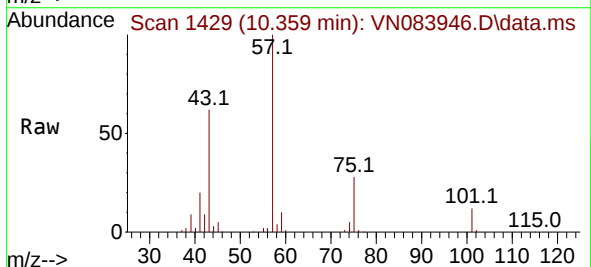
Instrument :
 MSVOA_N
 ClientSampleId :

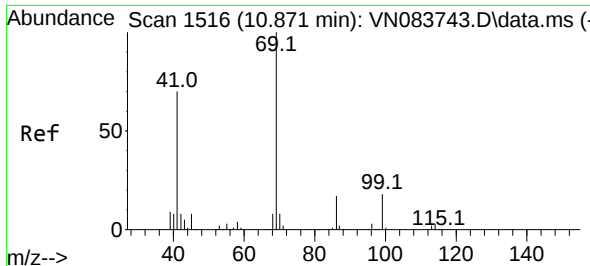
Tgt Ion: 75 Resp: 832
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.8 38.6#



#54
 cis-1,3-Dichloropropene
 Concen: 14.228 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN083946.D
 Acq: 17 Sep 2024 15:29

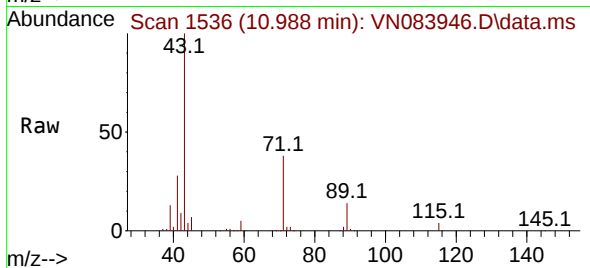
Tgt Ion: 75 Resp: 41914
 Ion Ratio Lower Upper
 75 100
 77 0.9 25.0 37.6#
 39 31.8 42.6 64.0#



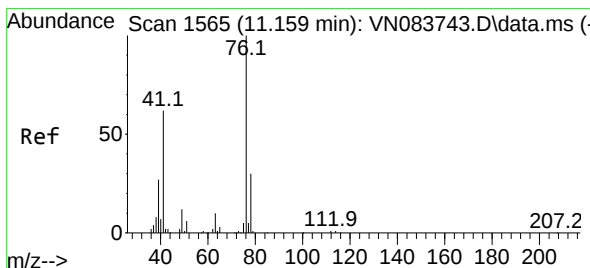
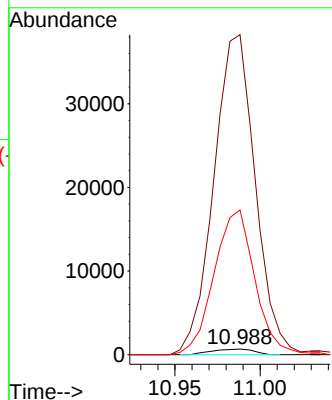
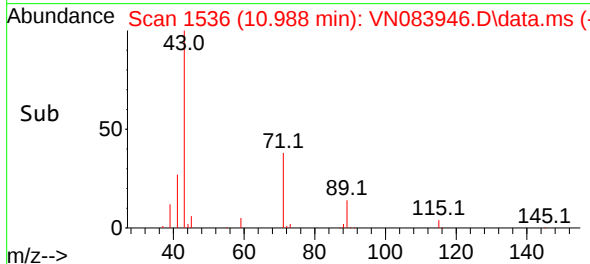


#56
Ethyl methacrylate
Concen: 0.432 ug/l
RT: 10.988 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN083946.D
Acq: 17 Sep 2024 15:29

Instrument :
MSVOA_N
ClientSampleId :

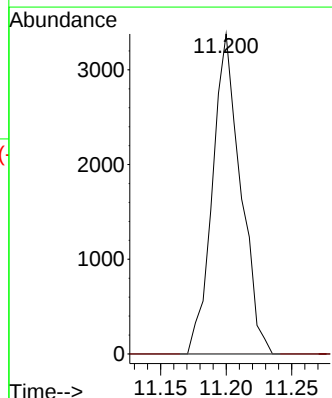
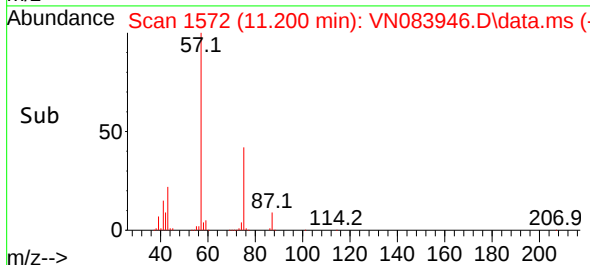
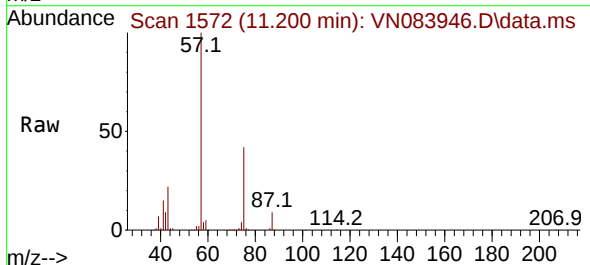


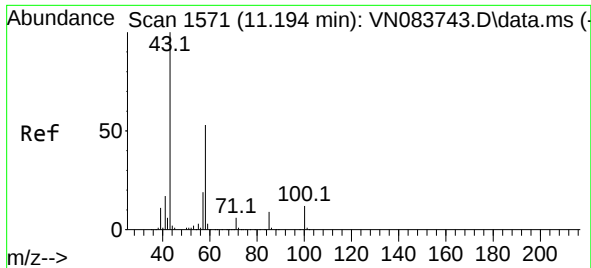
Tgt Ion: 69 Resp: 1145
Ion Ratio Lower Upper
69 100
41 5696.2 53.9 80.9#
39 2515.5 32.6 48.8#



#57
1,3-Dichloropropane
Concen: 1.705 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN083946.D
Acq: 17 Sep 2024 15:29

Tgt Ion: 76 Resp: 5052
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

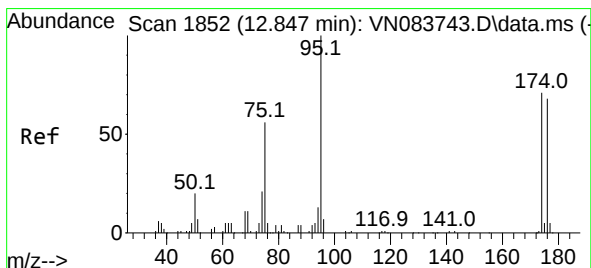
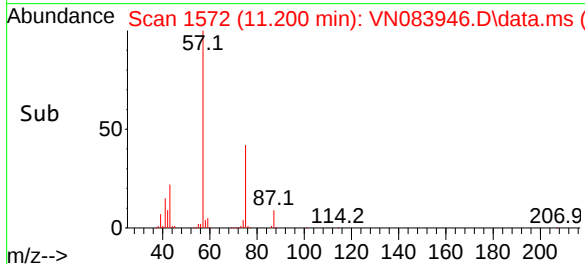
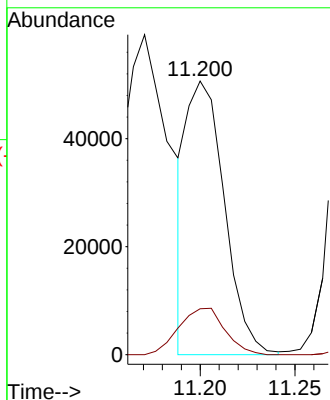
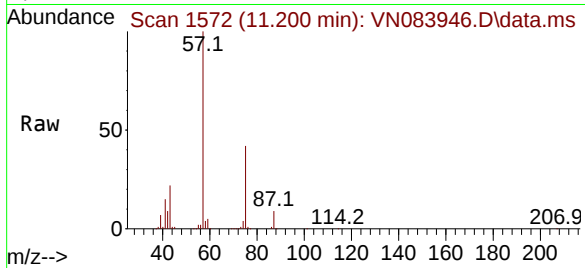




#59
2-Hexanone
Concen: 42.529 ug/l
RT: 11.200 min Scan# 1571
Delta R.T. 0.006 min
Lab File: VN083946.D
Acq: 17 Sep 2024 15:29

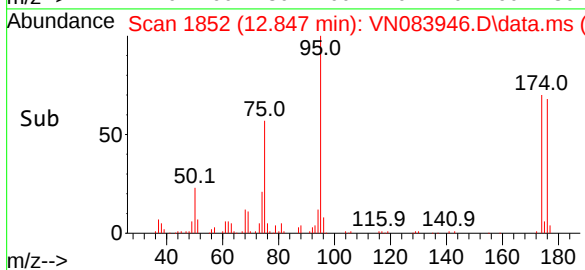
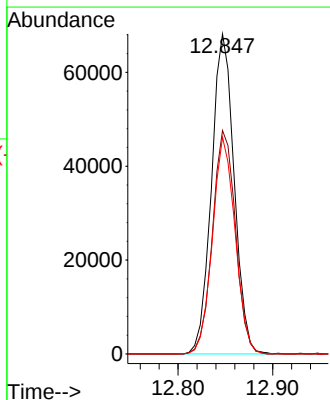
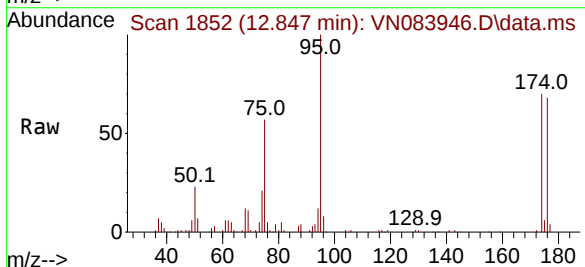
Instrument :
MSVOA_N
ClientSampleId :

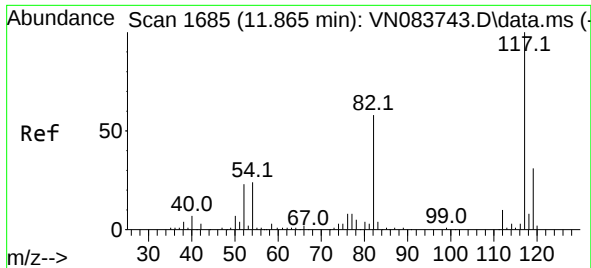
Tgt Ion: 43 Resp: 70673
Ion Ratio Lower Upper
43 100
58 20.6 27.2 81.5#



#62
4-Bromofluorobenzene
Concen: 47.611 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083946.D
Acq: 17 Sep 2024 15:29

Tgt Ion: 95 Resp: 113195
Ion Ratio Lower Upper
95 100
174 71.0 0.0 139.8
176 67.8 0.0 131.4

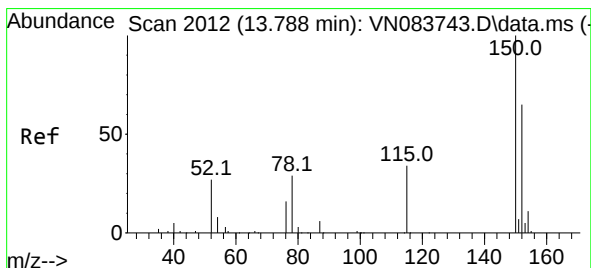
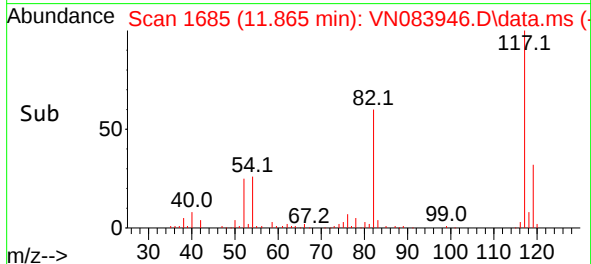
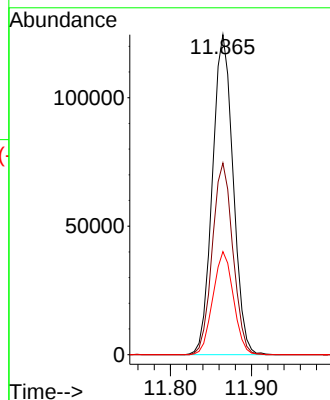
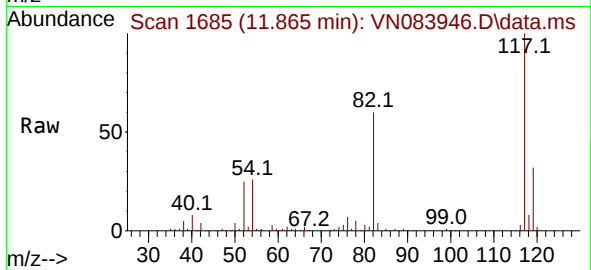




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN083946.D
Acq: 17 Sep 2024 15:29

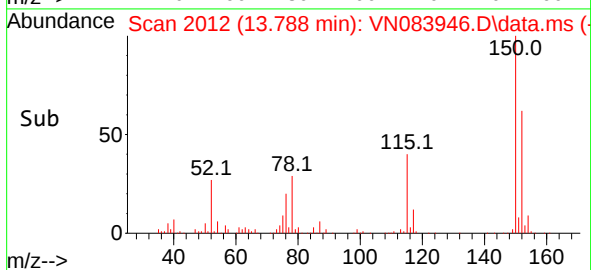
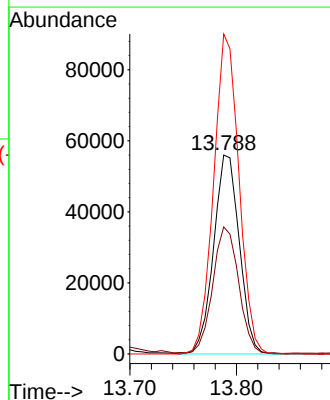
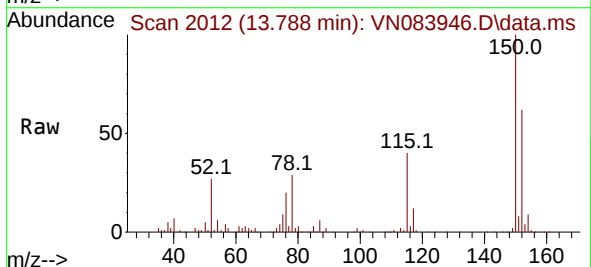
Instrument :
MSVOA_N
ClientSampleId :

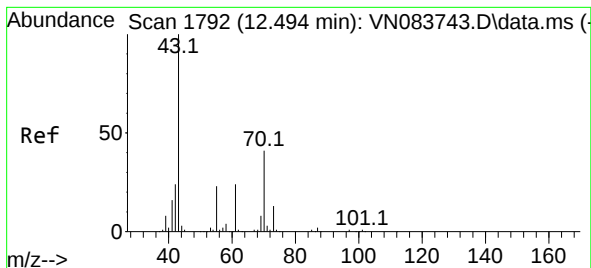
Tgt Ion:117 Resp: 220395
Ion Ratio Lower Upper
117 100
82 59.9 47.4 71.0
119 32.2 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN083946.D
Acq: 17 Sep 2024 15:29

Tgt Ion:152 Resp: 93670
Ion Ratio Lower Upper
152 100
115 63.9 32.2 96.6
150 158.7 0.0 348.6





#74

N-amy1 acetate

Concen: 0.339 ug/l

RT: 12.494 min Scan# 1

Delta R.T. -0.000 min

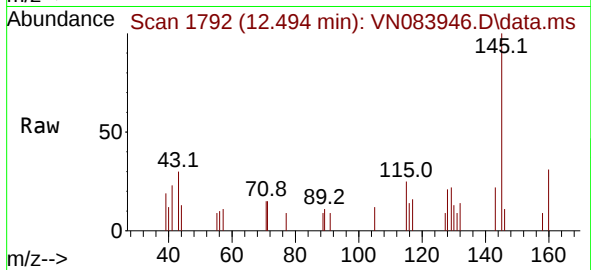
Lab File: VN083946.D

Acq: 17 Sep 2024 15:29

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 1047

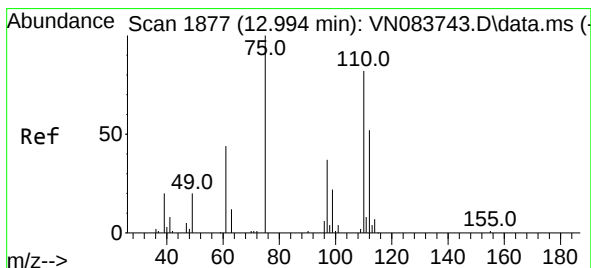
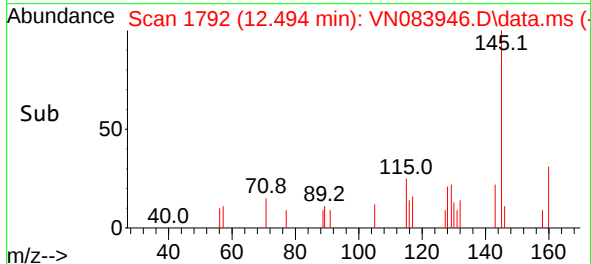
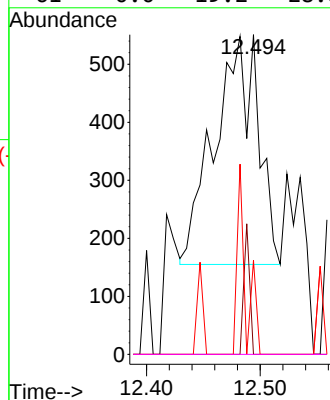
Ion Ratio Lower Upper

43 100

70 7.5 34.5 51.7#

55 16.5 18.6 28.0#

61 0.0 19.2 28.8#



#76

1,2,3-Trichloropropane

Concen: 33.626 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN083946.D

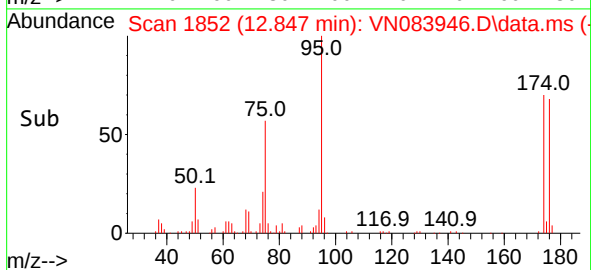
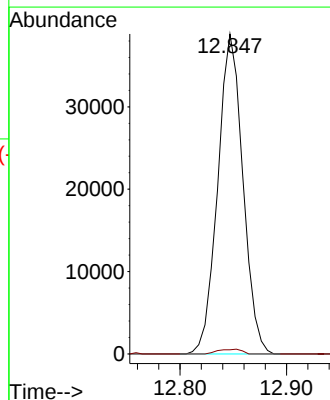
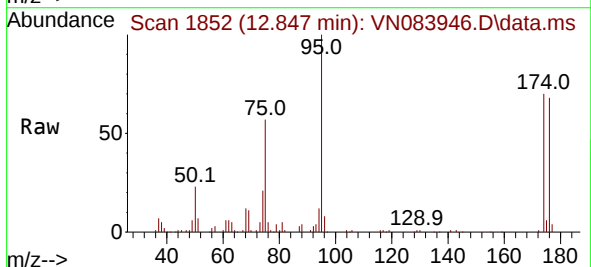
Acq: 17 Sep 2024 15:29

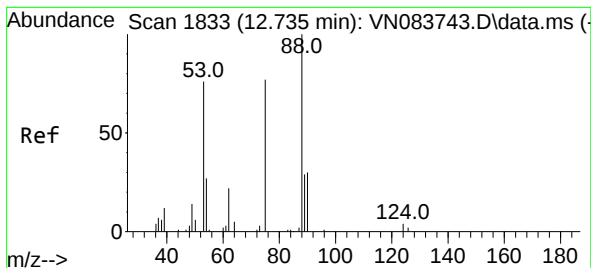
Tgt Ion: 75 Resp: 63556

Ion Ratio Lower Upper

75 100

77 1.4 95.2 285.6#

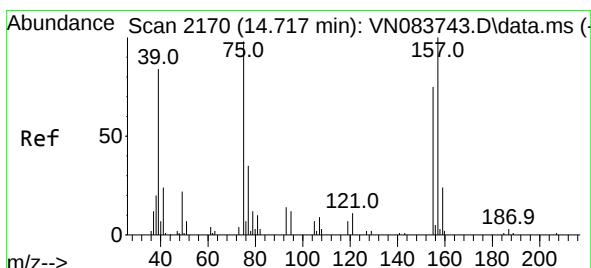
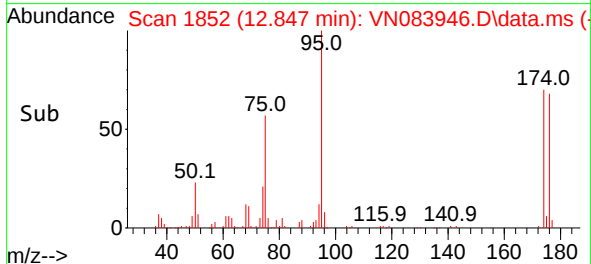
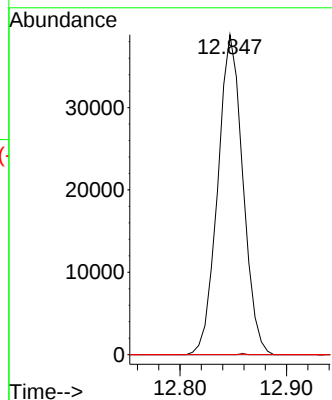
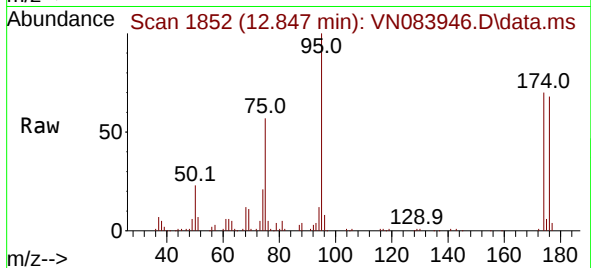




#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.069 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. 0.112 min
 Lab File: VN083946.D
 Acq: 17 Sep 2024 15:29

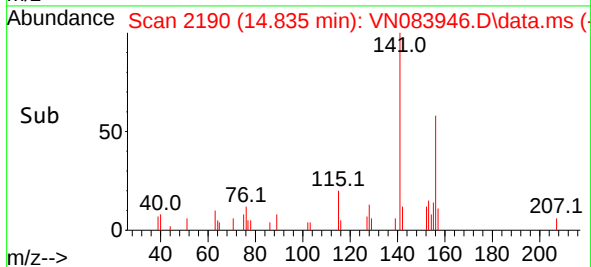
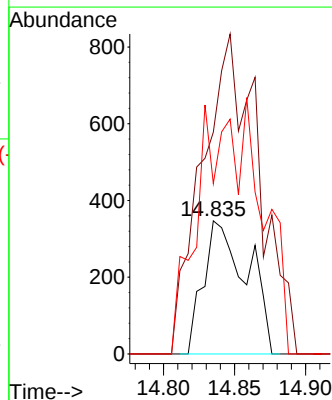
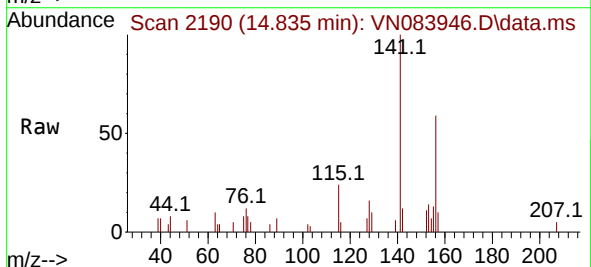
Instrument :
 MSVOA_N
 ClientSampleId :

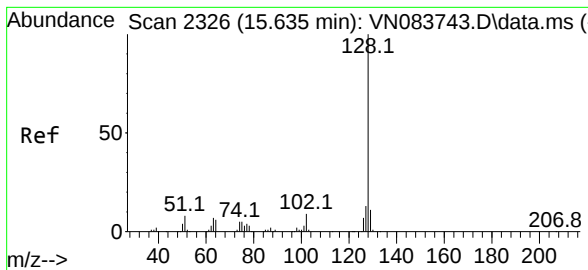
Tgt Ion: 75 Resp: 63556
 Ion Ratio Lower Upper
 75 100
 53 0.1 81.2 121.8#
 89 0.0 35.7 53.5#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.743 ug/l
 RT: 14.835 min Scan# 2190
 Delta R.T. 0.118 min
 Lab File: VN083946.D
 Acq: 17 Sep 2024 15:29

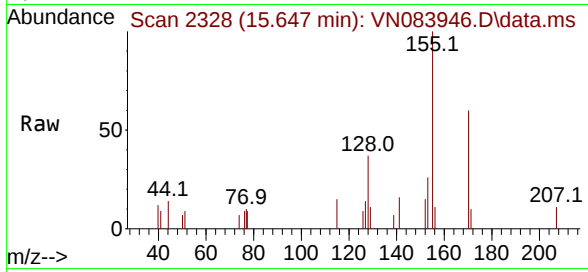
Tgt Ion: 75 Resp: 740
 Ion Ratio Lower Upper
 75 100
 155 0.0 35.9 107.7#
 157 0.0 47.5 142.5#





#95
 Naphthalene
 Concen: 0.401 ug/l
 RT: 15.647 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VN083946.D
 Acq: 17 Sep 2024 15:29

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	128	Resp:	2081
Ion	Ratio	Lower	Upper
128	100		
127	14.8	10.2	15.2
129	0.0	8.7	13.1#

