

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091024\
 Data File : VN083761.D
 Acq On : 10 Sep 2024 18:56
 Operator : JC\MD
 Sample : P3907-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 11 03:18:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 02:47:22 2024
 Response via : Initial Calibration

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

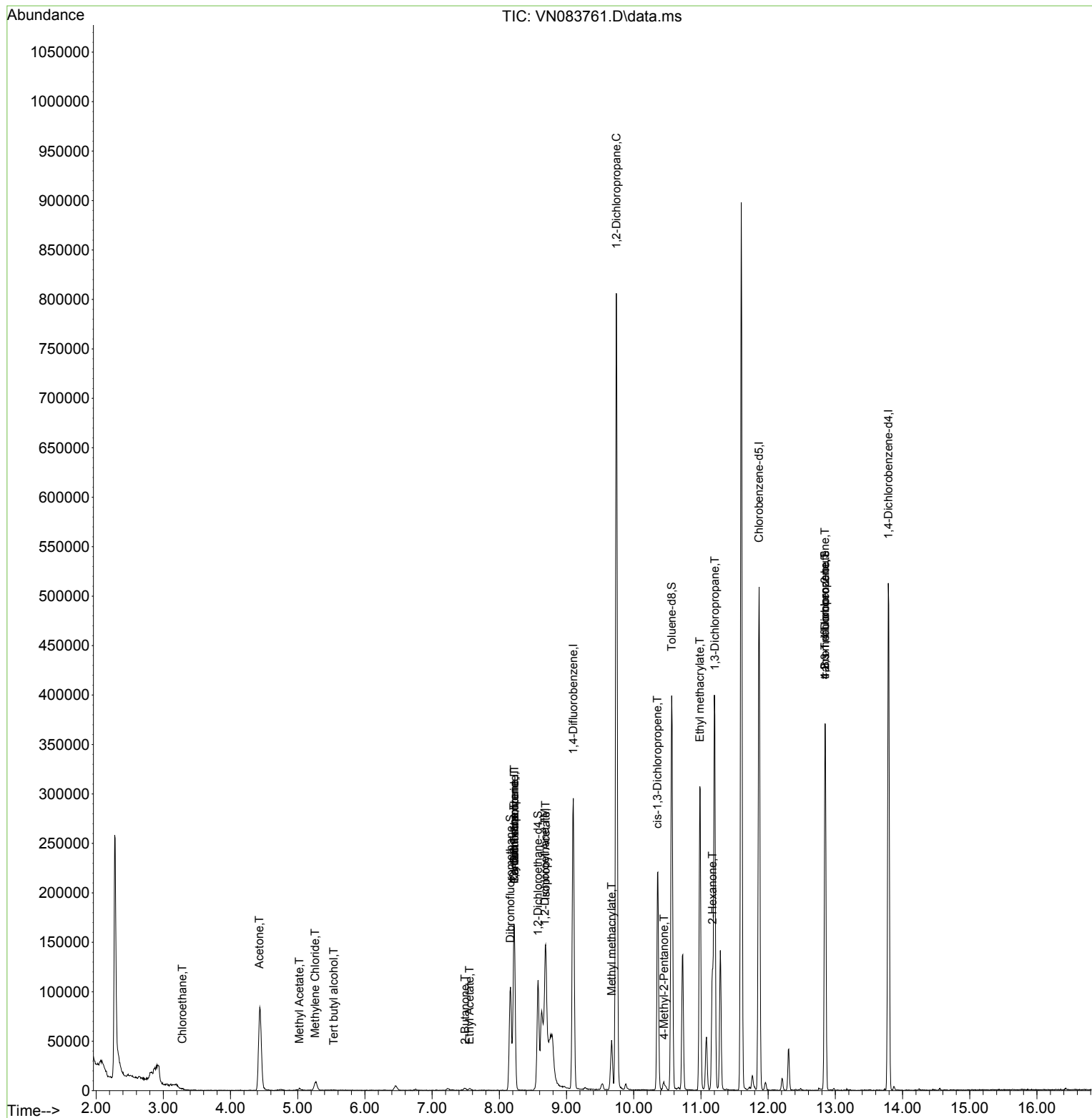
Internal Standards						
1) Pentafluorobenzene	8.224	168	114204	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	241358	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	269513	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	129958	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	92638	53.796	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.600%			
35) Dibromofluoromethane	8.165	113	72623	47.001	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.000%			
50) Toluene-d8	10.565	98	269164	50.390	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.780%			
62) 4-Bromofluorobenzene	12.847	95	126201	57.264	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 114.520%			
Target Compounds						Qvalue
3) Chloromethane	2.360	50	1202	Below Cal		94
6) Chloroethane	3.283	64	208	0.204 ug/l #		45
11) Tert butyl alcohol	5.536	59	370	1.605 ug/l #		71
16) Acetone	4.430	43	41679	60.376 ug/l		100
18) Methyl Acetate	5.024	43	3438	0.555 ug/l #		84
20) Methylene Chloride	5.259	84	6258	4.430 ug/l #		90
25) 2-Butanone	7.489	43	4262	4.697 ug/l #		87
31) Cyclohexane	8.218	56	3322	1.335 ug/l #		27
36) 1,1-Dichloropropene	8.224	75	10287	4.423 ug/l #		50
37) Ethyl Acetate	7.559	43	3084	1.461 ug/l #		87
38) Carbon Tetrachloride	8.224	117	13733	5.205 ug/l #		14
42) 1,2-Dichloroethane	8.677	62	553	0.211 ug/l #		77
43) Isopropyl Acetate	8.689	43	127036	33.208 ug/l #		90
45) 1,2-Dichloropropane	9.741	63	913	0.540 ug/l #		42
48) Methyl methacrylate	9.671	41	3151	1.736 ug/l #		48
51) 4-Methyl-2-Pentanone	10.453	43	9054	4.348 ug/l #		72
54) cis-1,3-Dichloropropene	10.353	75	39696	14.537 ug/l #		66
56) Ethyl methacrylate	10.982	69	1036	0.421 ug/l #		1
57) 1,3-Dichloropropane	11.206	76	4168	1.517 ug/l #		42
59) 2-Hexanone	11.171	43	100924	65.519 ug/l #		24
76) 1,2,3-Trichloropropane	12.847	75	72653	28.407 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.847	75	72653	72.564 ug/l #		9

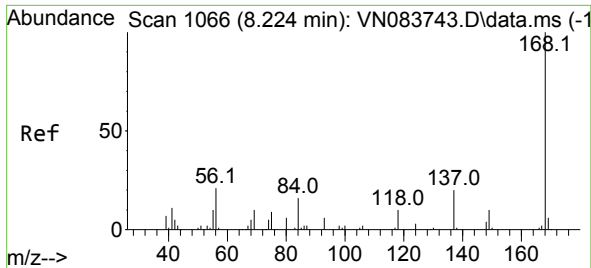
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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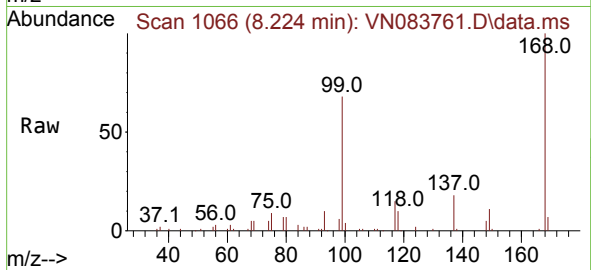
Quant Time: Sep 11 03:18:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 02:47:22 2024
Response via : Initial Calibration



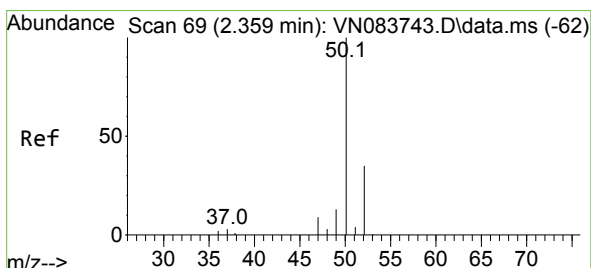
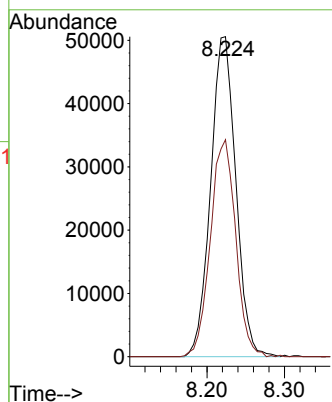
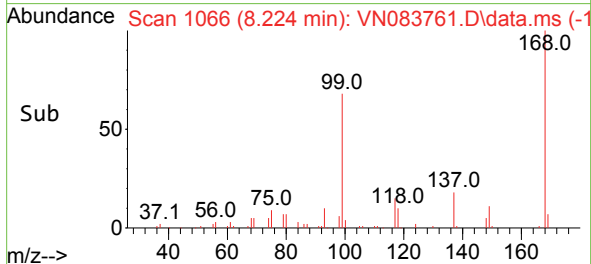


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083761.D
Acq: 10 Sep 2024 18:56

Instrument :
MSVOA_N
ClientSampleId :

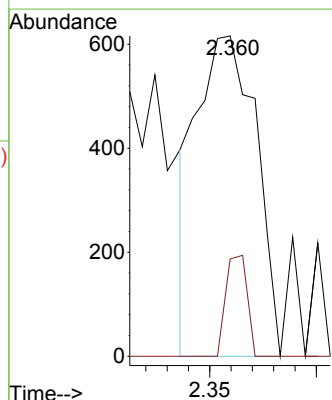
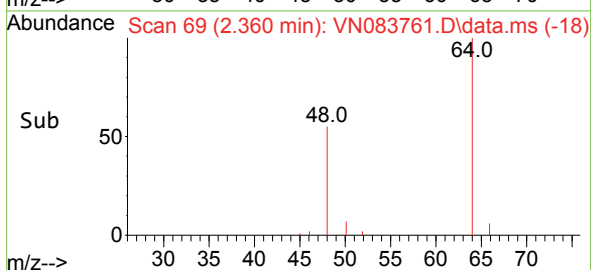
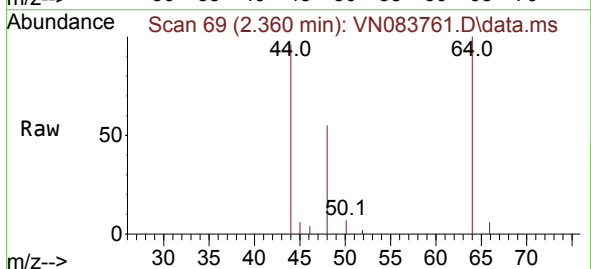


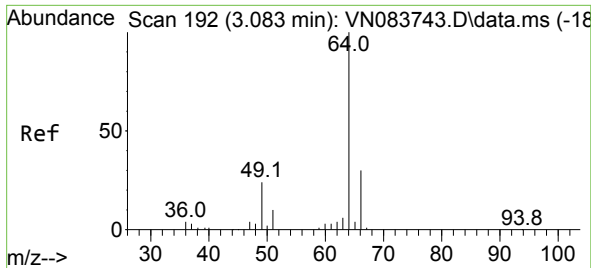
Tgt Ion:168 Resp: 114204
Ion Ratio Lower Upper
168 100
99 67.8 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.360 min Scan# 69
Delta R.T. 0.001 min
Lab File: VN083761.D
Acq: 10 Sep 2024 18:56

Tgt Ion: 50 Resp: 1202
Ion Ratio Lower Upper
50 100
52 30.4 27.2 40.8

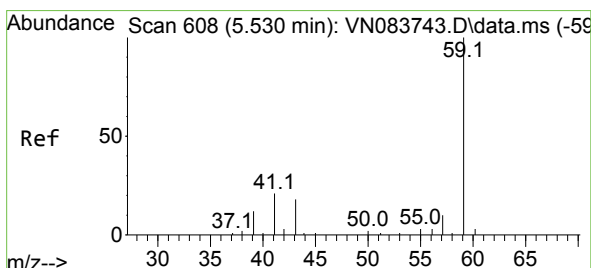
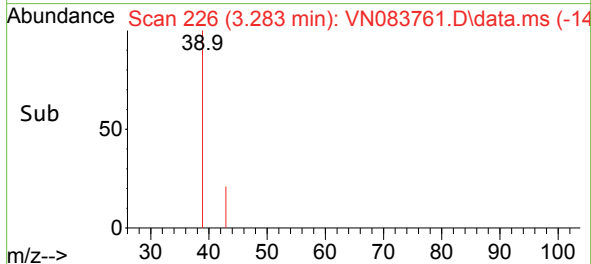
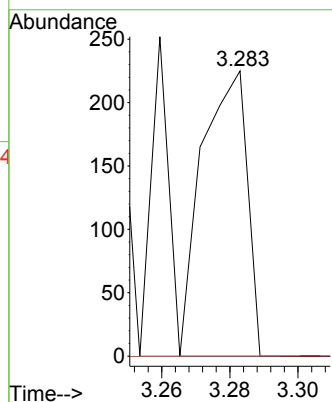
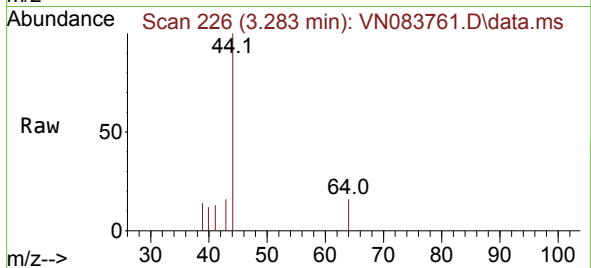




#6
Chloroethane
Concen: 0.204 ug/l
RT: 3.283 min Scan# 21
Delta R.T. 0.200 min
Lab File: VN083761.D
Acq: 10 Sep 2024 18:56

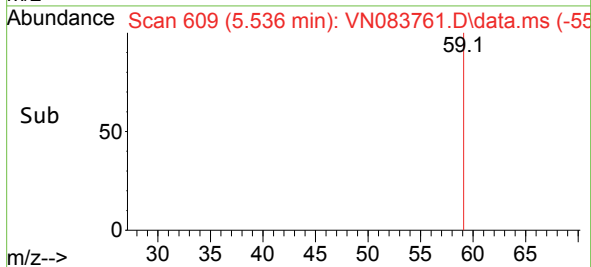
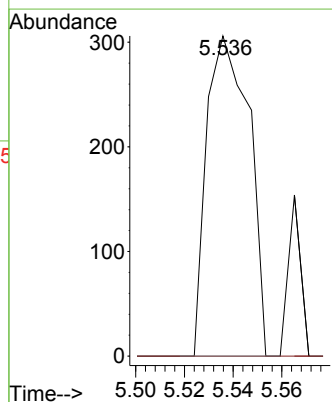
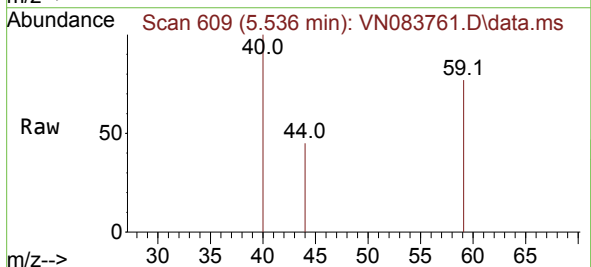
Instrument :
MSVOA_N
ClientSampleId :

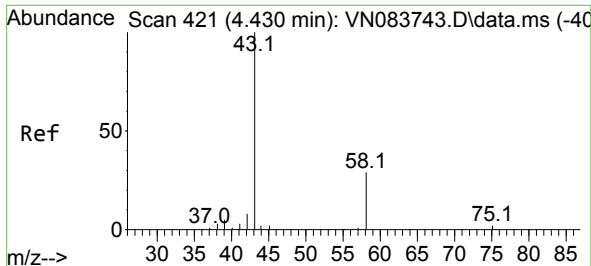
Tgt Ion: 64 Resp: 208
Ion Ratio Lower Upper
64 100
66 0.0 23.9 35.9#



#11
Tert butyl alcohol
Concen: 1.605 ug/l
RT: 5.536 min Scan# 609
Delta R.T. 0.006 min
Lab File: VN083761.D
Acq: 10 Sep 2024 18:56

Tgt Ion: 59 Resp: 370
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

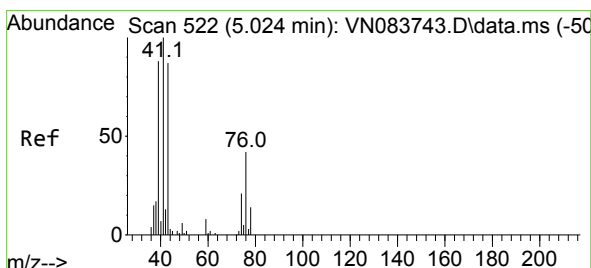
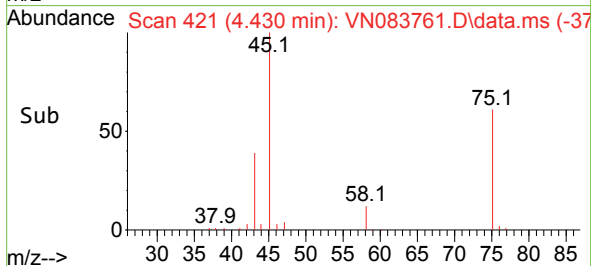
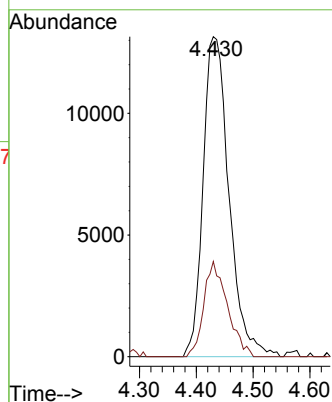
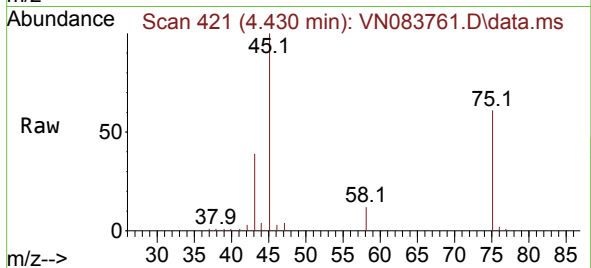




#16
Acetone
Concen: 60.376 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.000 min
Lab File: VN083761.D
Acq: 10 Sep 2024 18:56

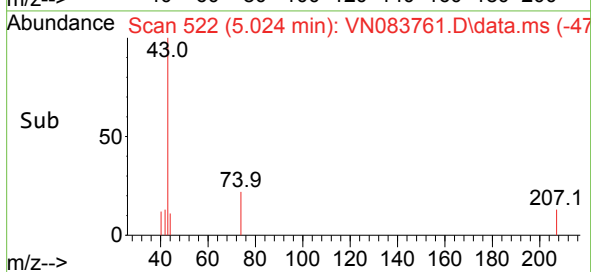
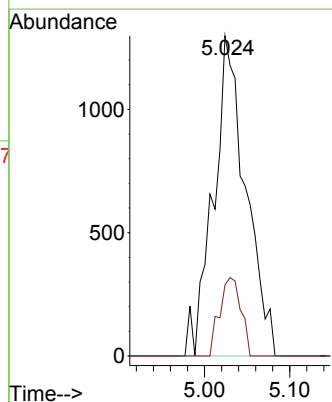
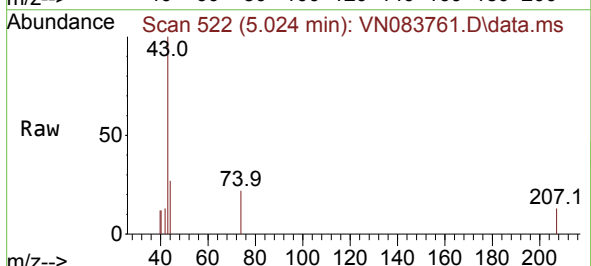
Instrument :
MSVOA_N
ClientSampleId :

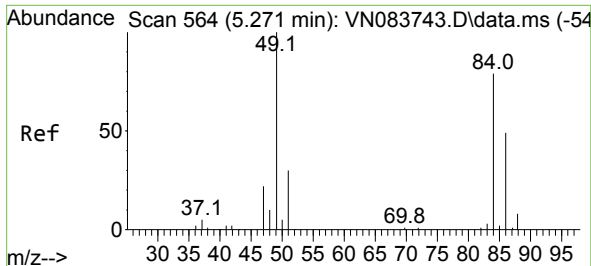
Tgt Ion: 43 Resp: 41679
Ion Ratio Lower Upper
43 100
58 29.7 23.7 35.5



#18
Methyl Acetate
Concen: 0.555 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.000 min
Lab File: VN083761.D
Acq: 10 Sep 2024 18:56

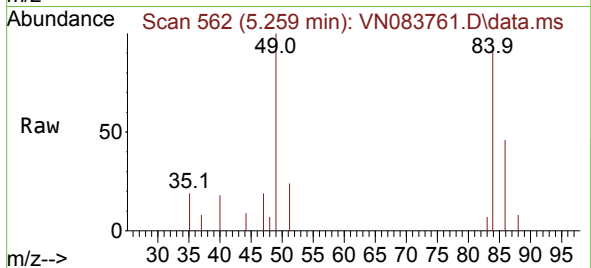
Tgt Ion: 43 Resp: 3438
Ion Ratio Lower Upper
43 100
74 16.1 19.0 28.4#



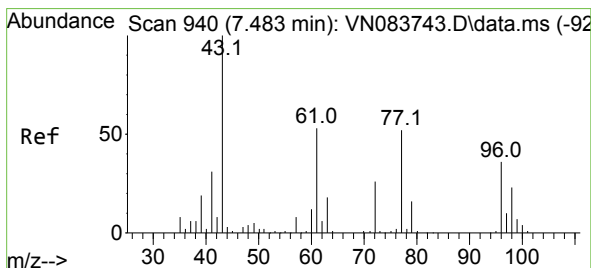
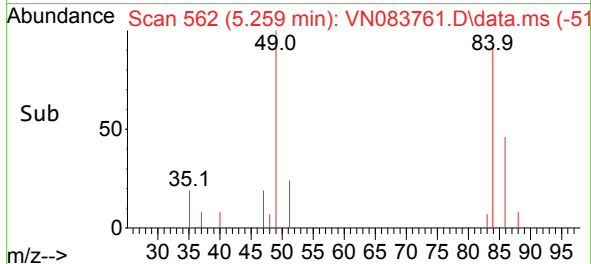
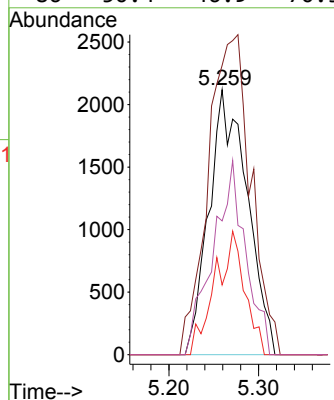


#20
Methylene Chloride
Concen: 4.430 ug/l
RT: 5.259 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN083761.D
Acq: 10 Sep 2024 18:56

Instrument :
MSVOA_N
ClientSampleId :

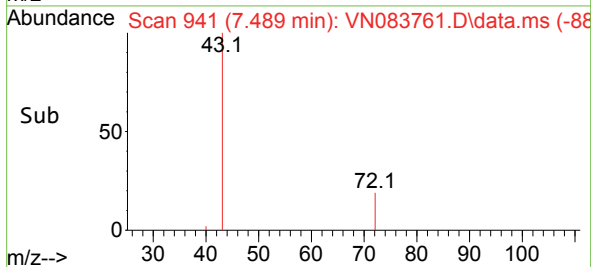
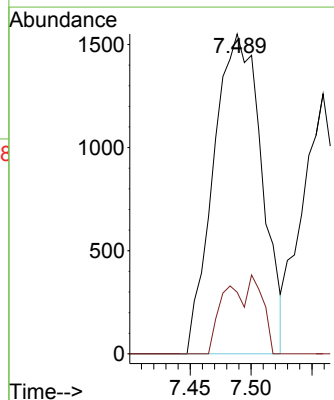
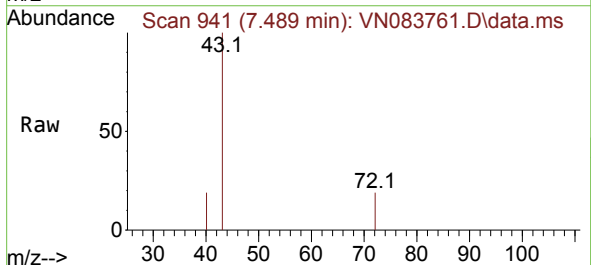


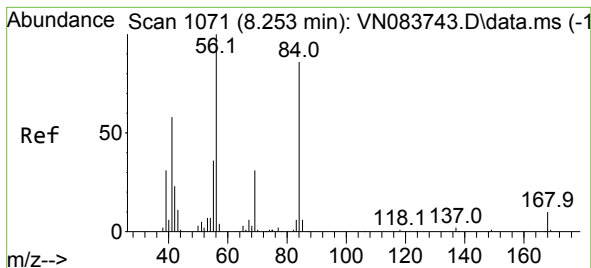
Tgt Ion: 84	Resp: 6258
Ion Ratio	Lower Upper
84 100	
49 109.2	93.4 140.0
51 26.3	29.2 43.8#
86 50.4	46.9 70.3



#25
2-Butanone
Concen: 4.697 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN083761.D
Acq: 10 Sep 2024 18:56

Tgt Ion: 43	Resp: 4262		
Ion Ratio	Lower	Upper	
43 100			
72 19.3	20.8	31.2#	





#31

Cyclohexane

Concen: 1.335 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.035 min

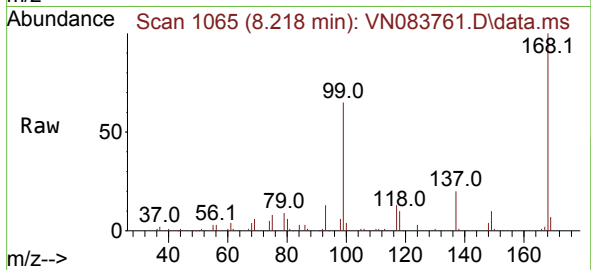
Lab File: VN083761.D

Acq: 10 Sep 2024 18:56

Instrument :

MSVOA_N

ClientSampleId :



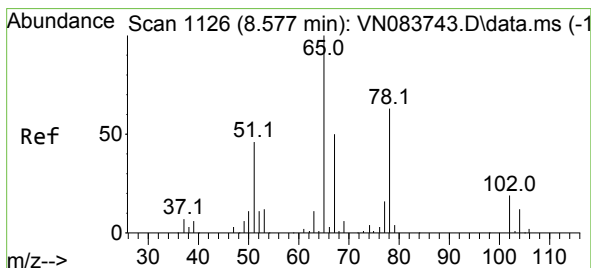
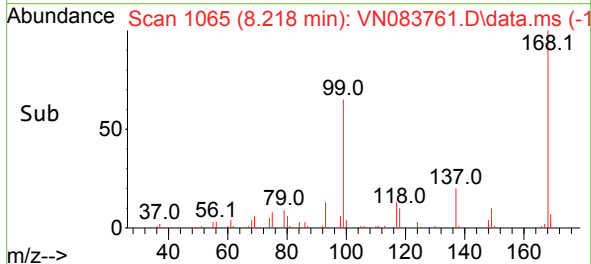
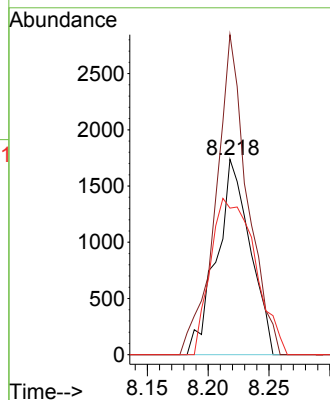
Tgt Ion: 56 Resp: 3322

Ion Ratio Lower Upper

56 100

69 163.8 26.9 40.3#

84 75.1 69.2 103.8



#33

1,2-Dichloroethane-d4

Concen: 53.796 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN083761.D

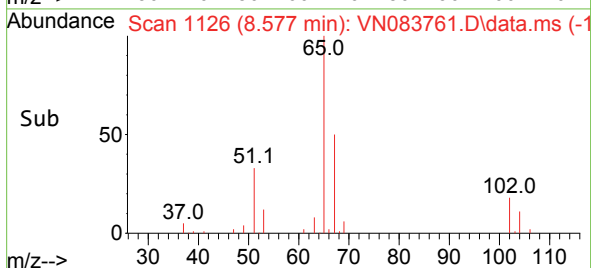
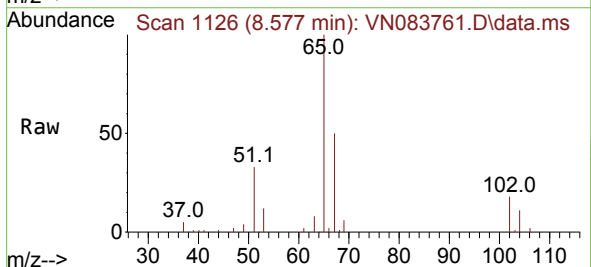
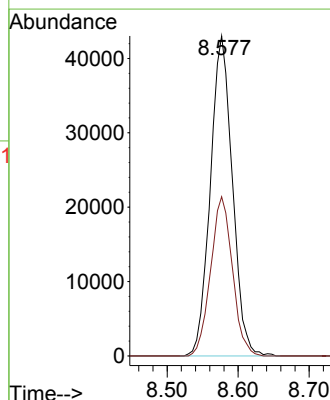
Acq: 10 Sep 2024 18:56

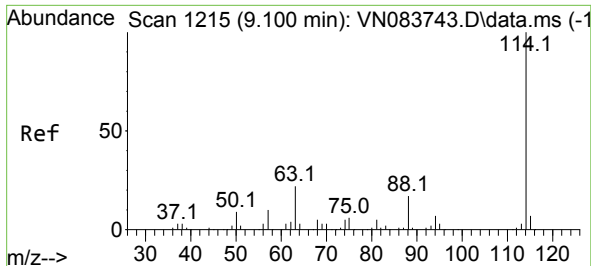
Tgt Ion: 65 Resp: 92638

Ion Ratio Lower Upper

65 100

67 49.2 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: VN083761.D

Acq: 10 Sep 2024 18:56

Instrument :

MSVOA_N

ClientSampleId :

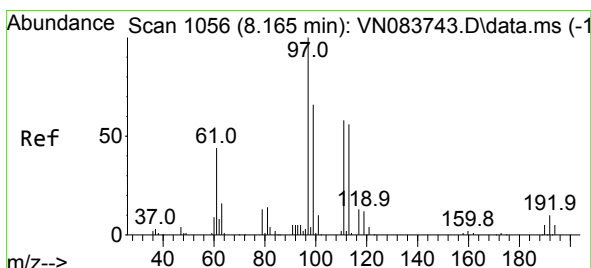
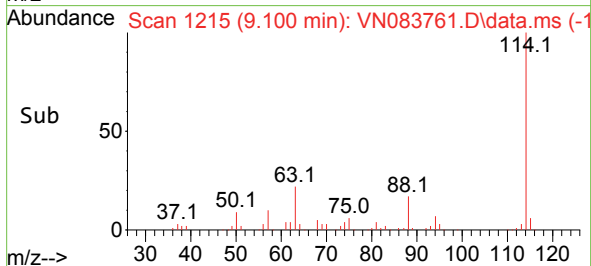
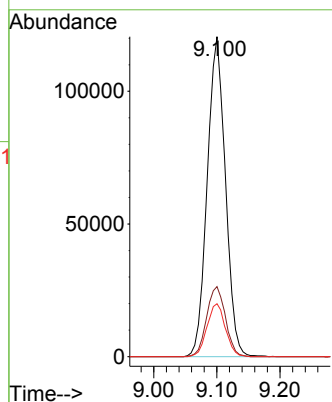
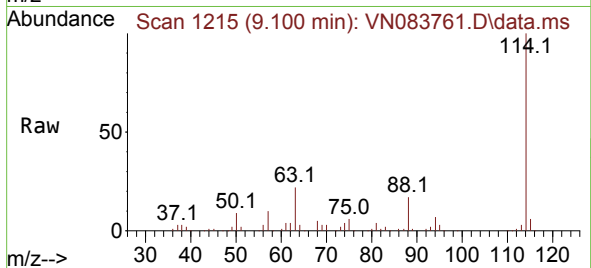
Tgt Ion:114 Resp: 241358

Ion Ratio Lower Upper

114 100

63 21.9 0.0 43.4

88 16.6 0.0 32.6



#35

Dibromofluoromethane

Concen: 47.001 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN083761.D

Acq: 10 Sep 2024 18:56

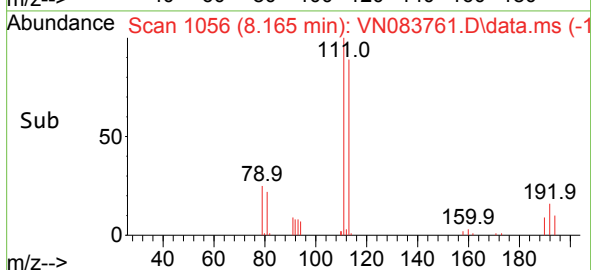
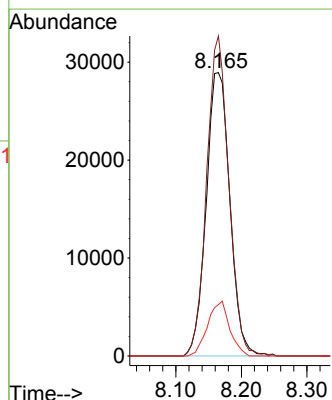
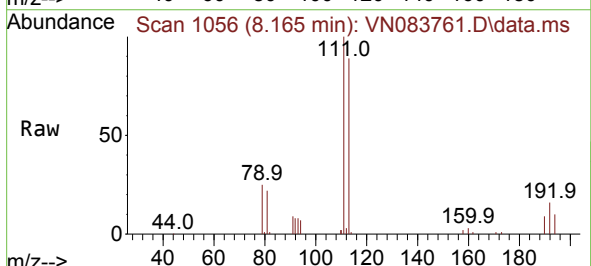
Tgt Ion:113 Resp: 72623

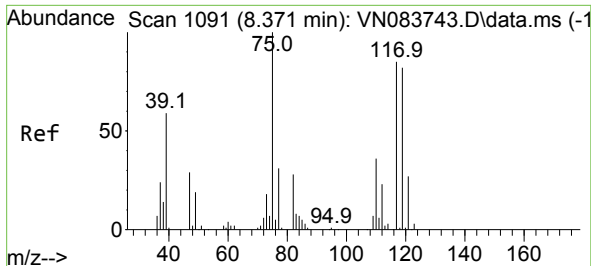
Ion Ratio Lower Upper

113 100

111 105.5 82.6 124.0

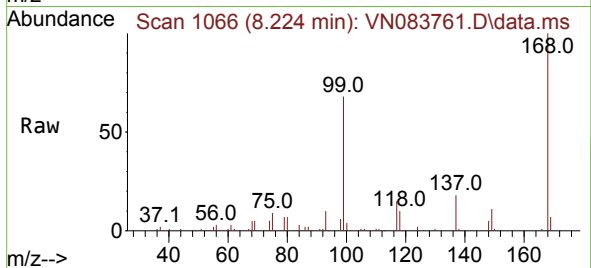
192 17.9 14.3 21.5



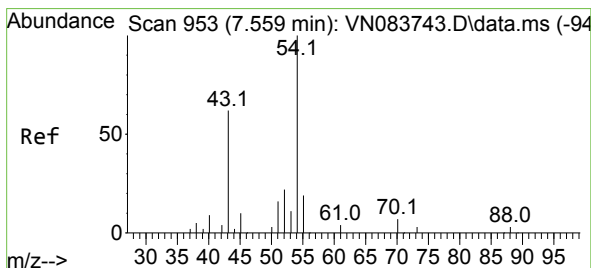
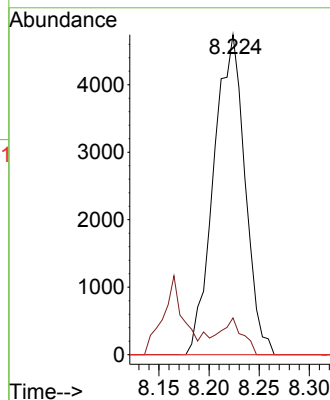
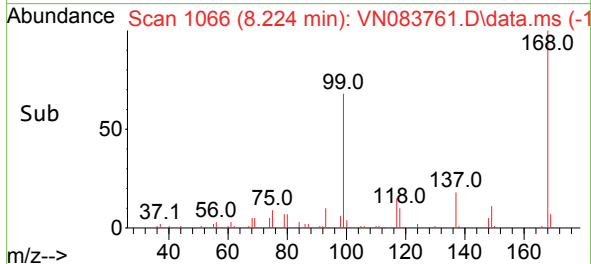


#36
1,1-Dichloropropene
Concen: 4.423 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN083761.D
Acq: 10 Sep 2024 18:56

Instrument :
MSVOA_N
ClientSampleId :

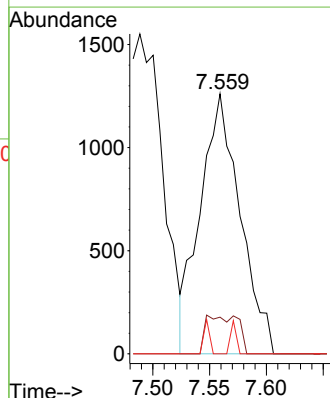
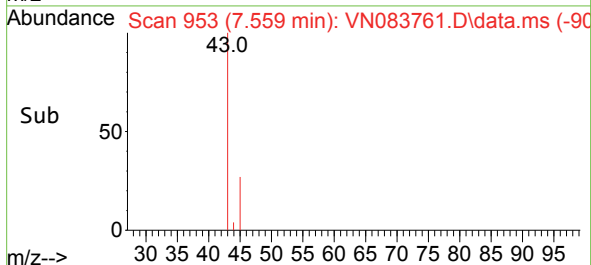
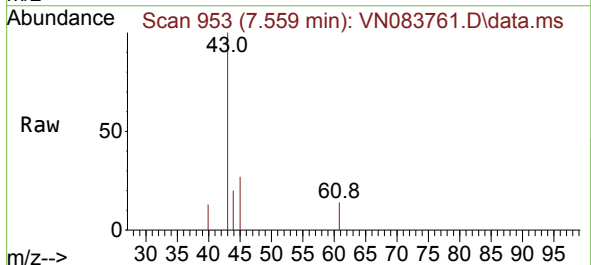


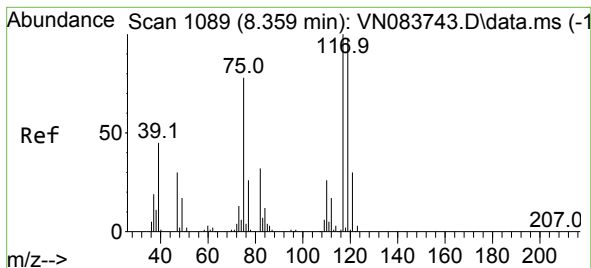
Tgt Ion: 75 Resp: 10287
Ion Ratio Lower Upper
75 100
110 8.2 16.7 50.1#
77 0.0 25.2 37.8#



#37
Ethyl Acetate
Concen: 1.461 ug/l
RT: 7.559 min Scan# 953
Delta R.T. 0.000 min
Lab File: VN083761.D
Acq: 10 Sep 2024 18:56

Tgt Ion: 43 Resp: 3084
Ion Ratio Lower Upper
43 100
61 11.9 11.1 16.7
70 1.9 8.8 13.2#





#38

Carbon Tetrachloride

Concen: 5.205 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

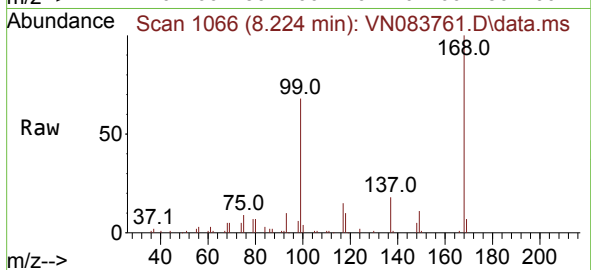
Lab File: VN083761.D

Acq: 10 Sep 2024 18:56

Instrument :

MSVOA_N

ClientSampleId :



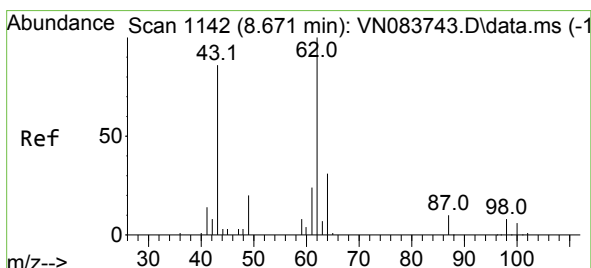
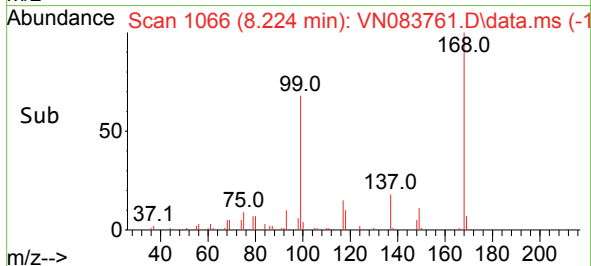
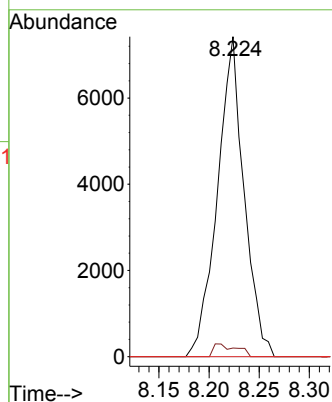
Tgt Ion:117 Resp: 13733

Ion Ratio Lower Upper

117 100

119 2.7 76.1 114.1#

121 0.0 24.1 36.1#



#42

1,2-Dichloroethane

Concen: 0.211 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VN083761.D

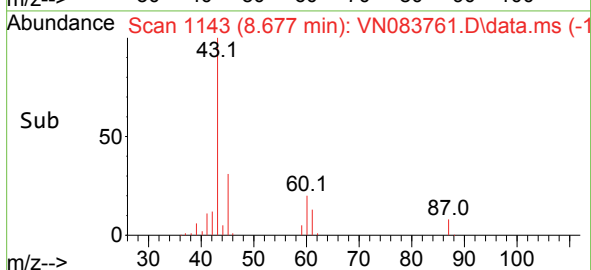
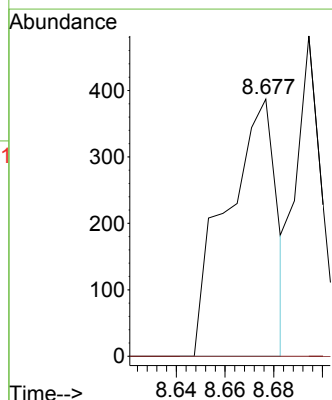
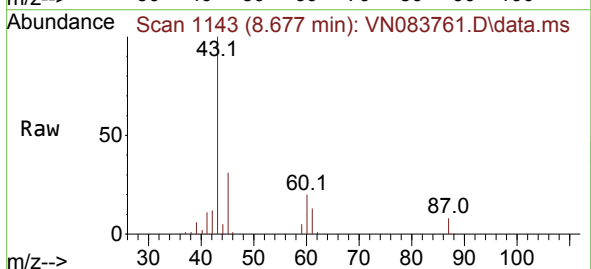
Acq: 10 Sep 2024 18:56

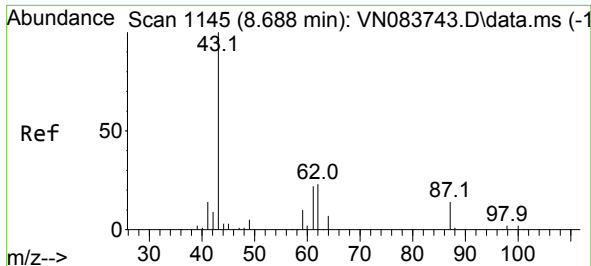
Tgt Ion: 62 Resp: 553

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.6

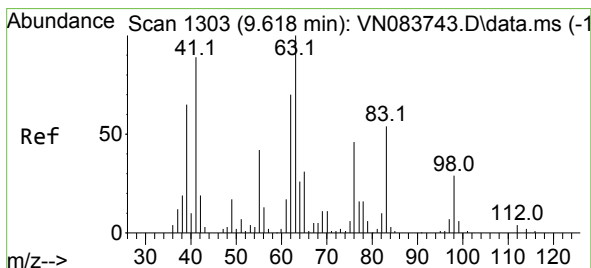
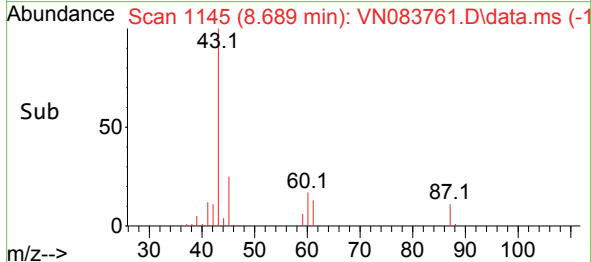
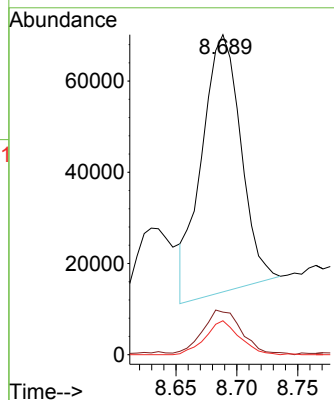
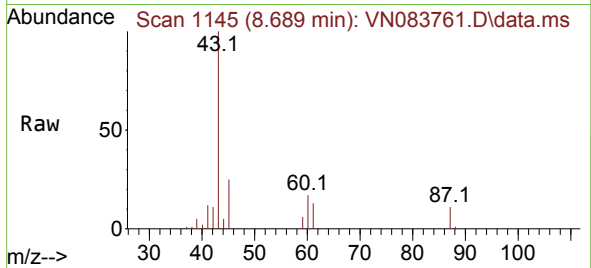




#43
Isopropyl Acetate
Concen: 33.208 ug/l
RT: 8.689 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN083761.D
Acq: 10 Sep 2024 18:56

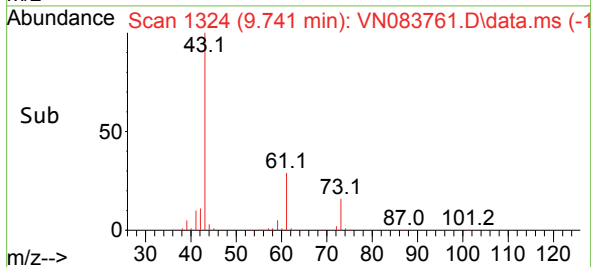
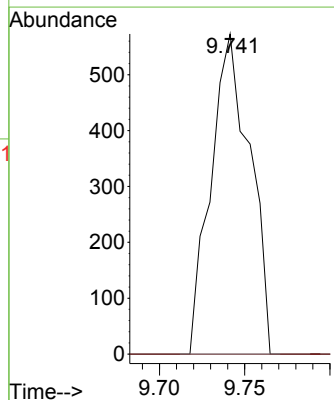
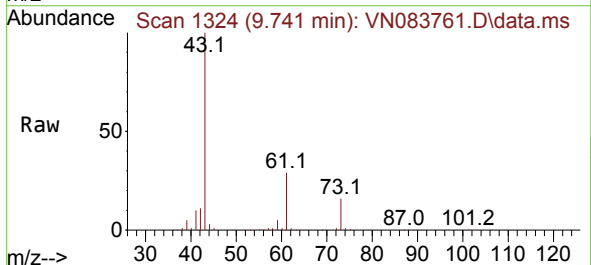
Instrument :
MSVOA_N
ClientSampleId :

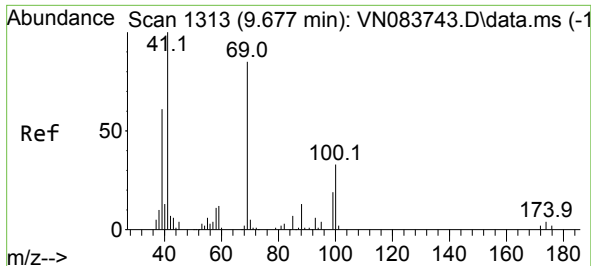
Tgt Ion: 43 Resp: 127036
Ion Ratio Lower Upper
43 100
61 17.4 19.4 29.0#
87 11.4 9.8 14.6



#45
1,2-Dichloropropane
Concen: 0.540 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.124 min
Lab File: VN083761.D
Acq: 10 Sep 2024 18:56

Tgt Ion: 63 Resp: 913
Ion Ratio Lower Upper
63 100
65 0.0 25.9 38.9#





#48

Methyl methacrylate

Concen: 1.736 ug/l

RT: 9.671 min Scan# 1312

Delta R.T. -0.006 min

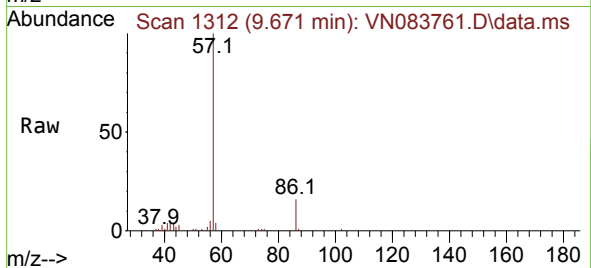
Lab File: VN083761.D

Acq: 10 Sep 2024 18:56

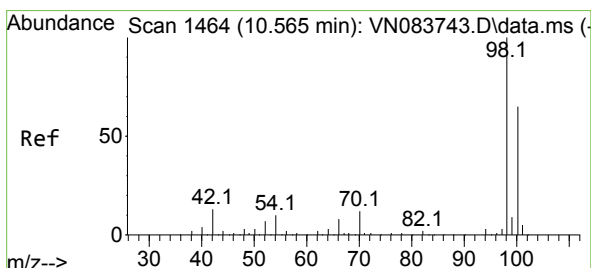
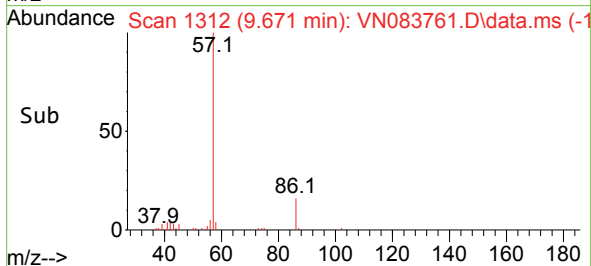
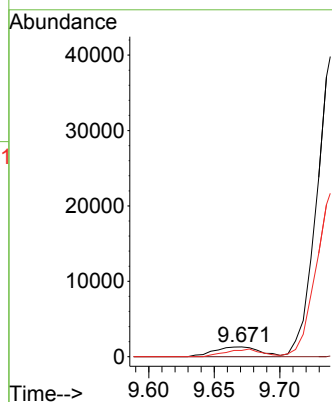
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	41	Resp:	3151
Ion	Ratio	Lower	Upper
41	100		
69	0.0	64.3	96.5#
39	61.1	48.9	73.3



#50

Toluene-d8

Concen: 50.390 ug/l

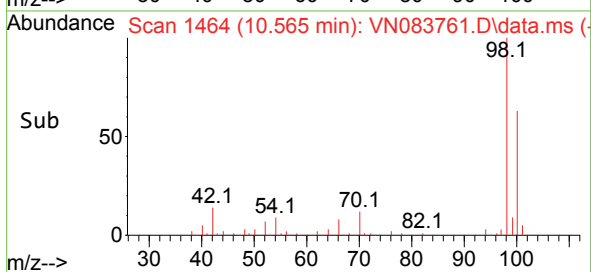
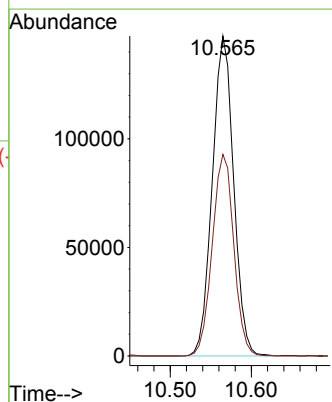
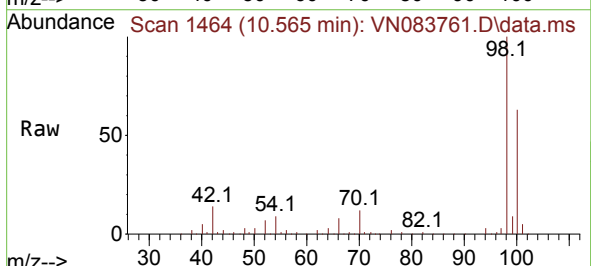
RT: 10.565 min Scan# 1464

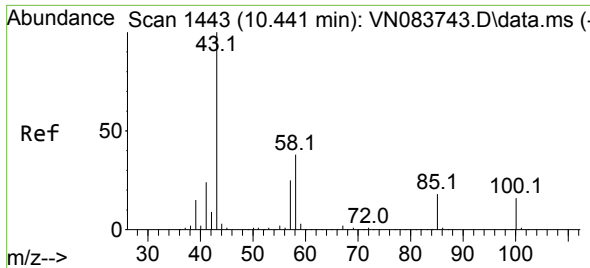
Delta R.T. 0.000 min

Lab File: VN083761.D

Acq: 10 Sep 2024 18:56

Tgt Ion:	98	Resp:	269164
Ion	Ratio	Lower	Upper
98	100		
100	63.7	52.0	78.0

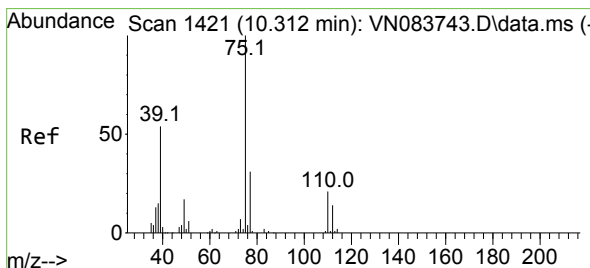
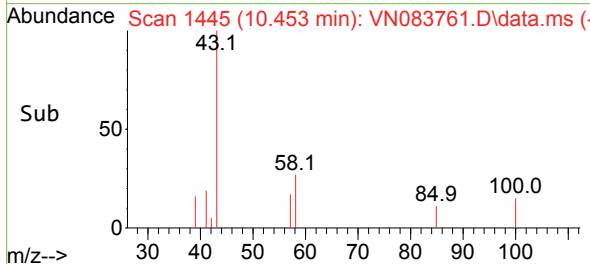
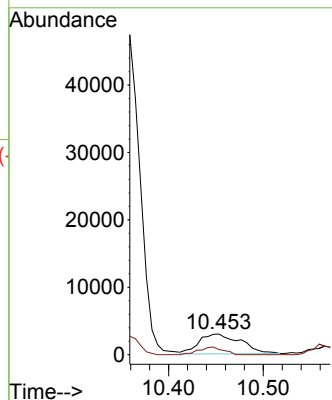
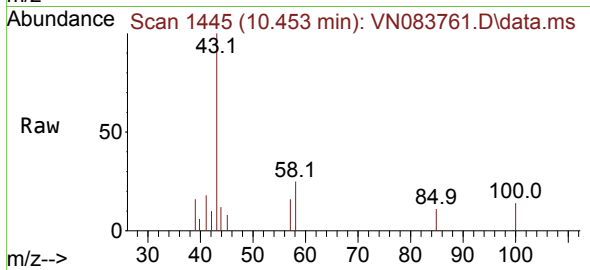




#51
4-Methyl-2-Pentanone
Concen: 4.348 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.012 min
Lab File: VN083761.D
Acq: 10 Sep 2024 18:56

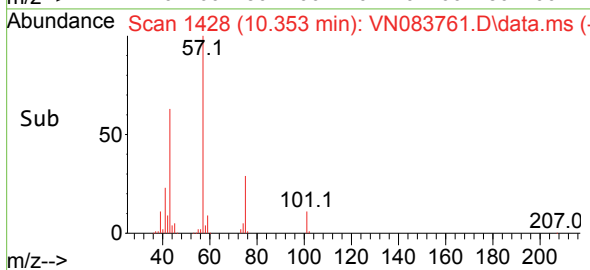
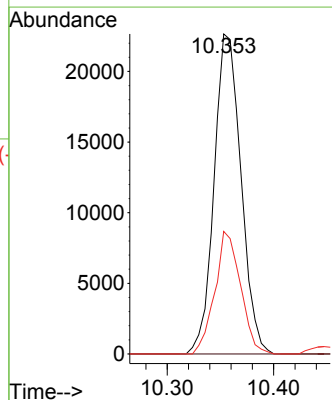
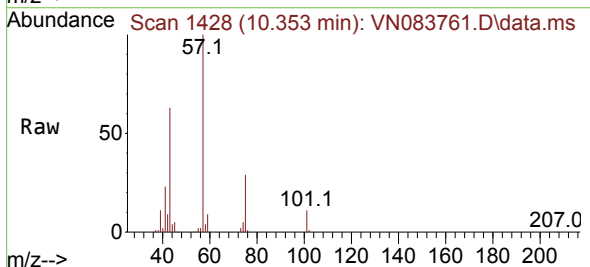
Instrument :
MSVOA_N
ClientSampleId :

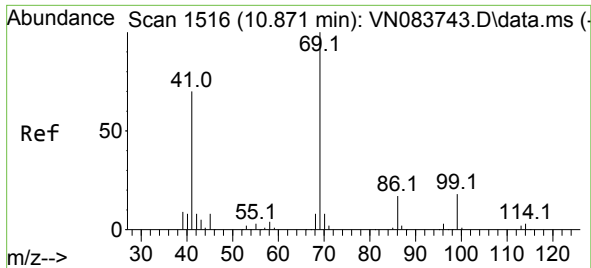
Tgt Ion: 43 Resp: 9054
Ion Ratio Lower Upper
43 100
58 22.5 31.6 47.4#



#54
cis-1,3-Dichloropropene
Concen: 14.537 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.041 min
Lab File: VN083761.D
Acq: 10 Sep 2024 18:56

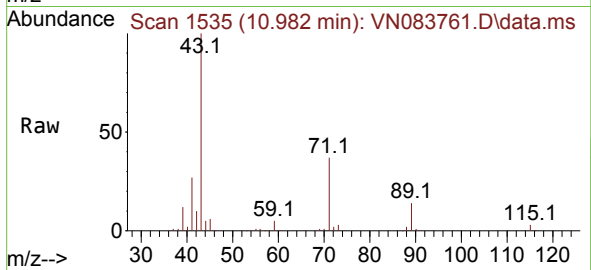
Tgt Ion: 75 Resp: 39696
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.6#
39 38.3 42.6 64.0#



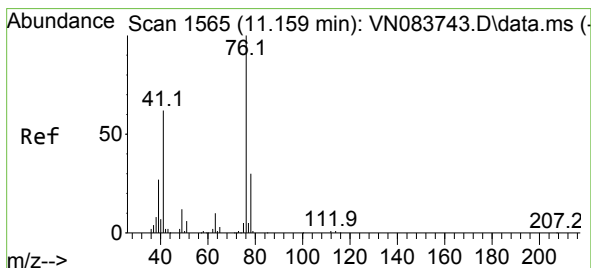
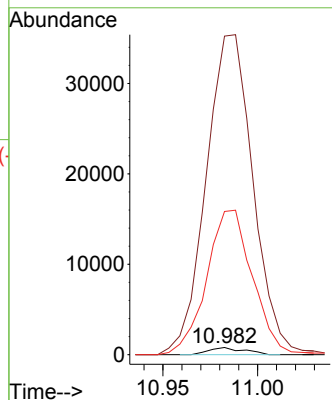
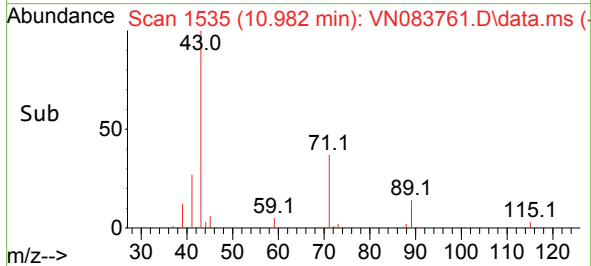


#56
Ethyl methacrylate
Concen: 0.421 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.112 min
Lab File: VN083761.D
Acq: 10 Sep 2024 18:56

Instrument :
MSVOA_N
ClientSampleId :

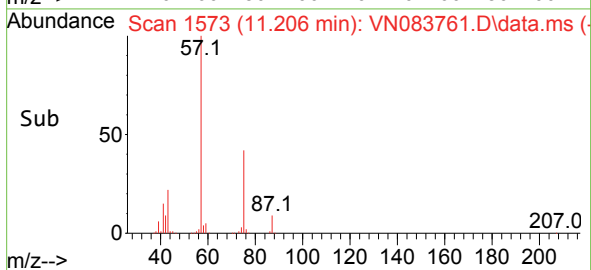
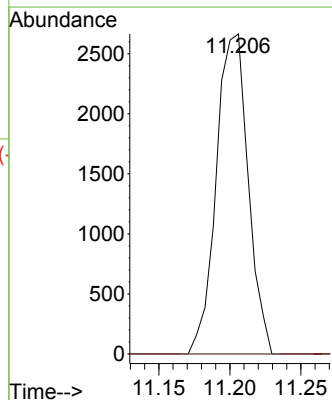
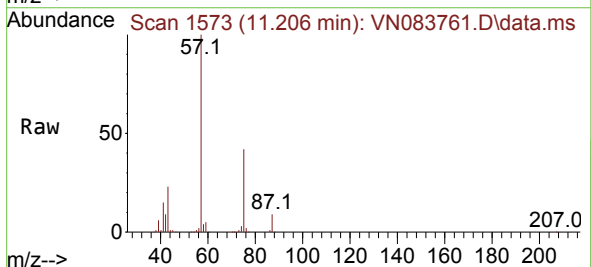


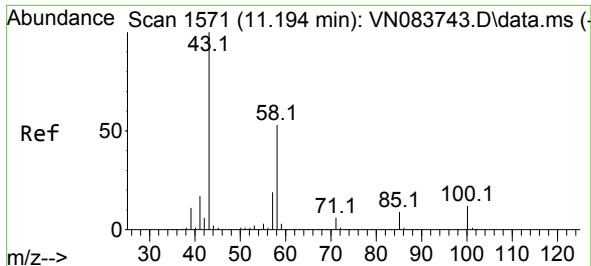
Tgt Ion: 69 Resp: 1036
Ion Ratio Lower Upper
69 100
41 5906.2 53.9 80.9#
39 2613.9 32.6 48.8#



#57
1,3-Dichloropropane
Concen: 1.517 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.047 min
Lab File: VN083761.D
Acq: 10 Sep 2024 18:56

Tgt Ion: 76 Resp: 4168
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

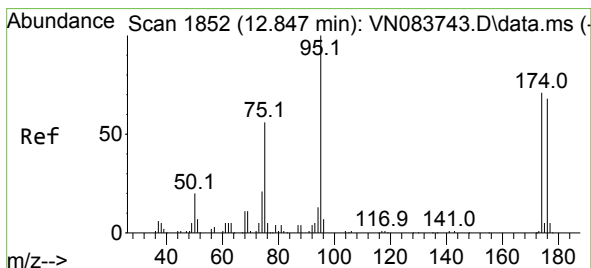
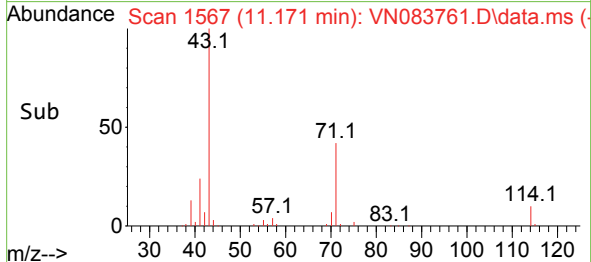
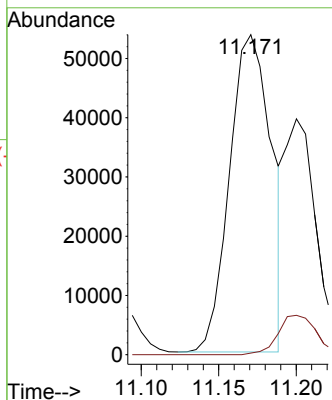
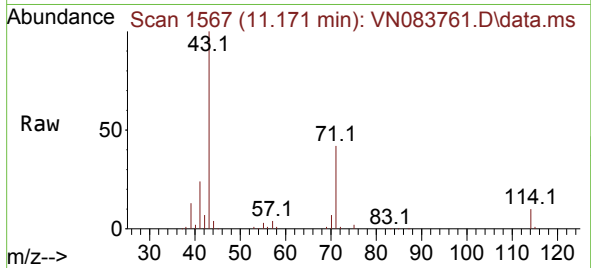




#59
2-Hexanone
Concen: 65.519 ug/l
RT: 11.171 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN083761.D
Acq: 10 Sep 2024 18:56

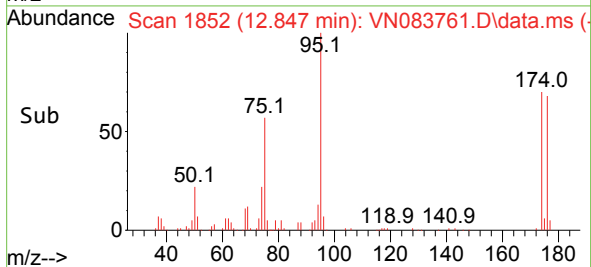
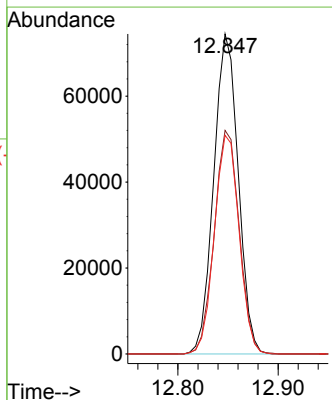
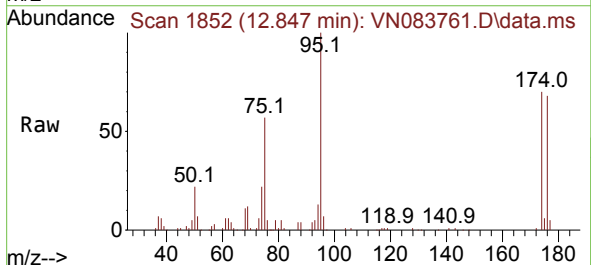
Instrument :
MSVOA_N
ClientSampleId :

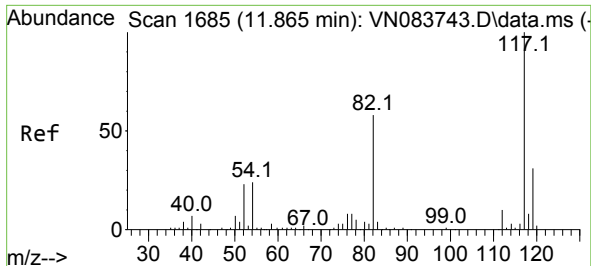
Tgt Ion: 43 Resp: 100924
Ion Ratio Lower Upper
43 100
58 0.0 27.2 81.5#



#62
4-Bromofluorobenzene
Concen: 57.264 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN083761.D
Acq: 10 Sep 2024 18:56

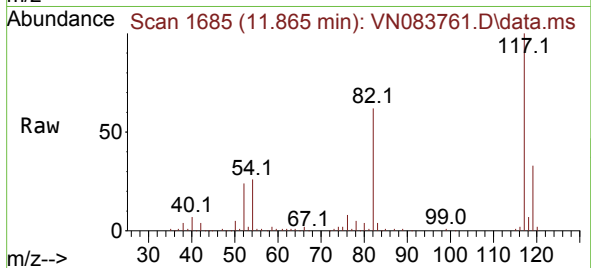
Tgt Ion: 95 Resp: 126201
Ion Ratio Lower Upper
95 100
174 71.2 0.0 139.8
176 69.0 0.0 131.4



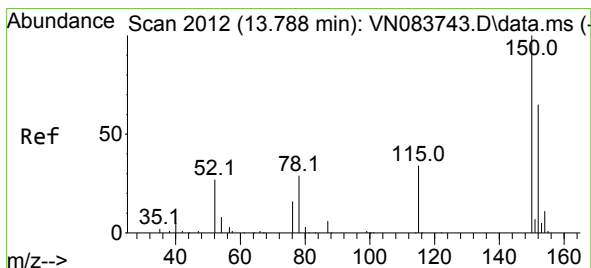
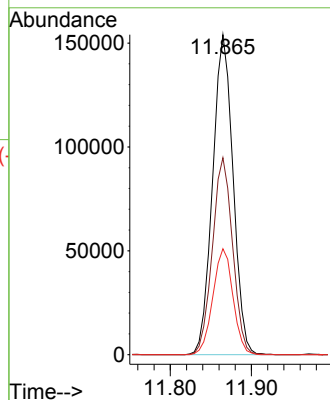
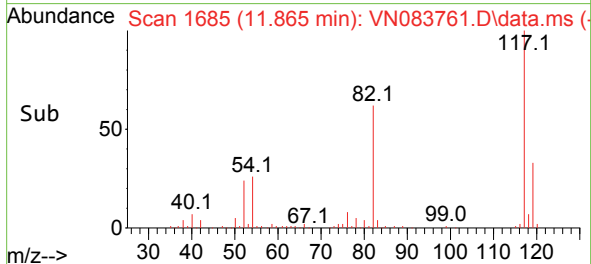


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN083761.D
Acq: 10 Sep 2024 18:56

Instrument :
MSVOA_N
ClientSampleId :

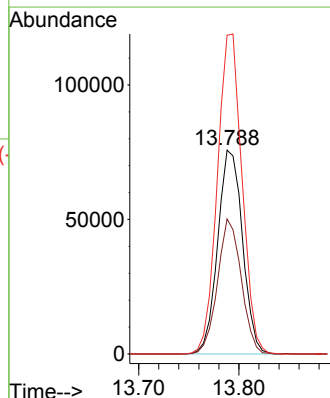
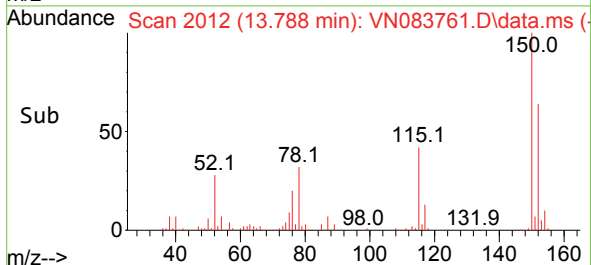
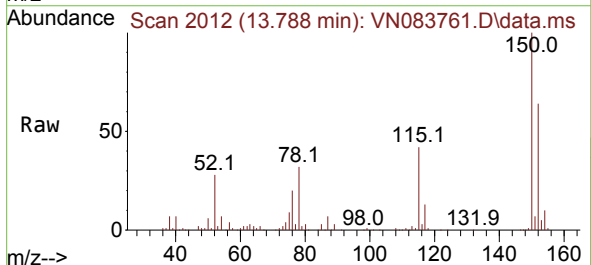


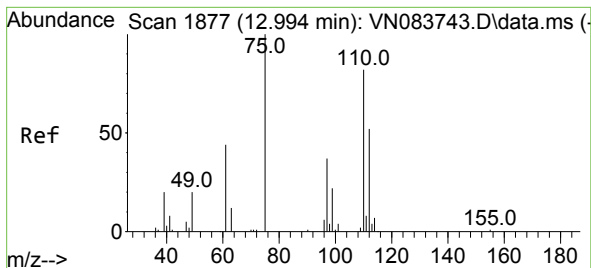
Tgt Ion:117 Resp: 269513
Ion Ratio Lower Upper
117 100
82 61.5 47.4 71.0
119 33.1 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN083761.D
Acq: 10 Sep 2024 18:56

Tgt Ion:152 Resp: 129958
Ion Ratio Lower Upper
152 100
115 63.3 32.2 96.6
150 156.2 0.0 348.6





#76

1,2,3-Trichloropropane

Concen: 28.407 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

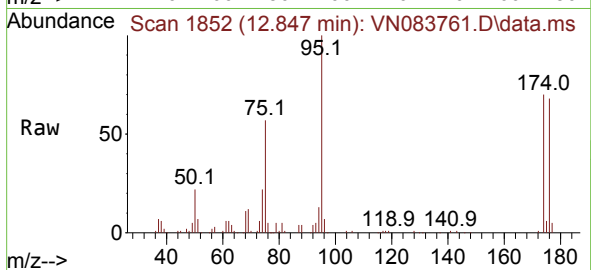
Lab File: VN083761.D

Acq: 10 Sep 2024 18:56

Instrument :

MSVOA_N

ClientSampleId :

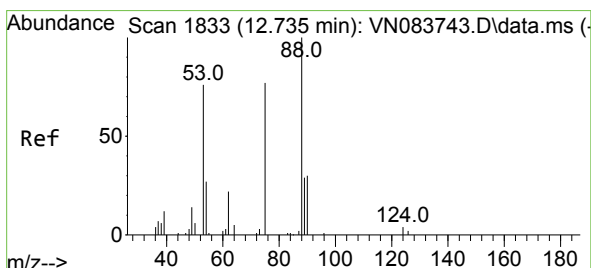
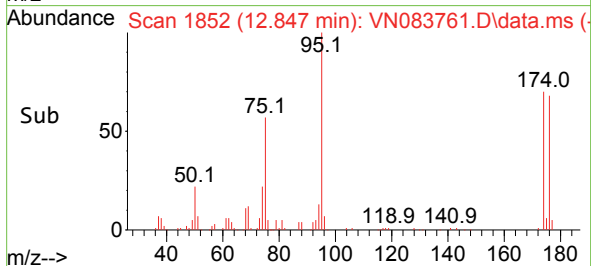
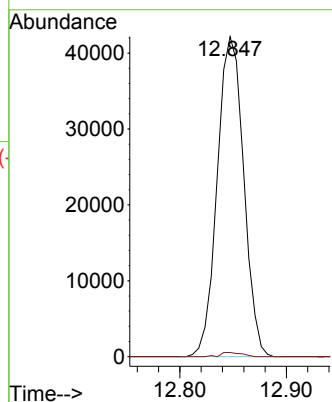


Tgt Ion: 75 Resp: 72653

Ion Ratio Lower Upper

75 100

77 1.1 95.2 285.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 72.564 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN083761.D

Acq: 10 Sep 2024 18:56

Tgt Ion: 75 Resp: 72653

Ion Ratio Lower Upper

75 100

53 0.0 81.2 121.8#

89 0.0 35.7 53.5#

