

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091824\
 Data File : VN083993.D
 Acq On : 18 Sep 2024 19:27
 Operator : JC\MD
 Sample : PB163447ZHE#10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

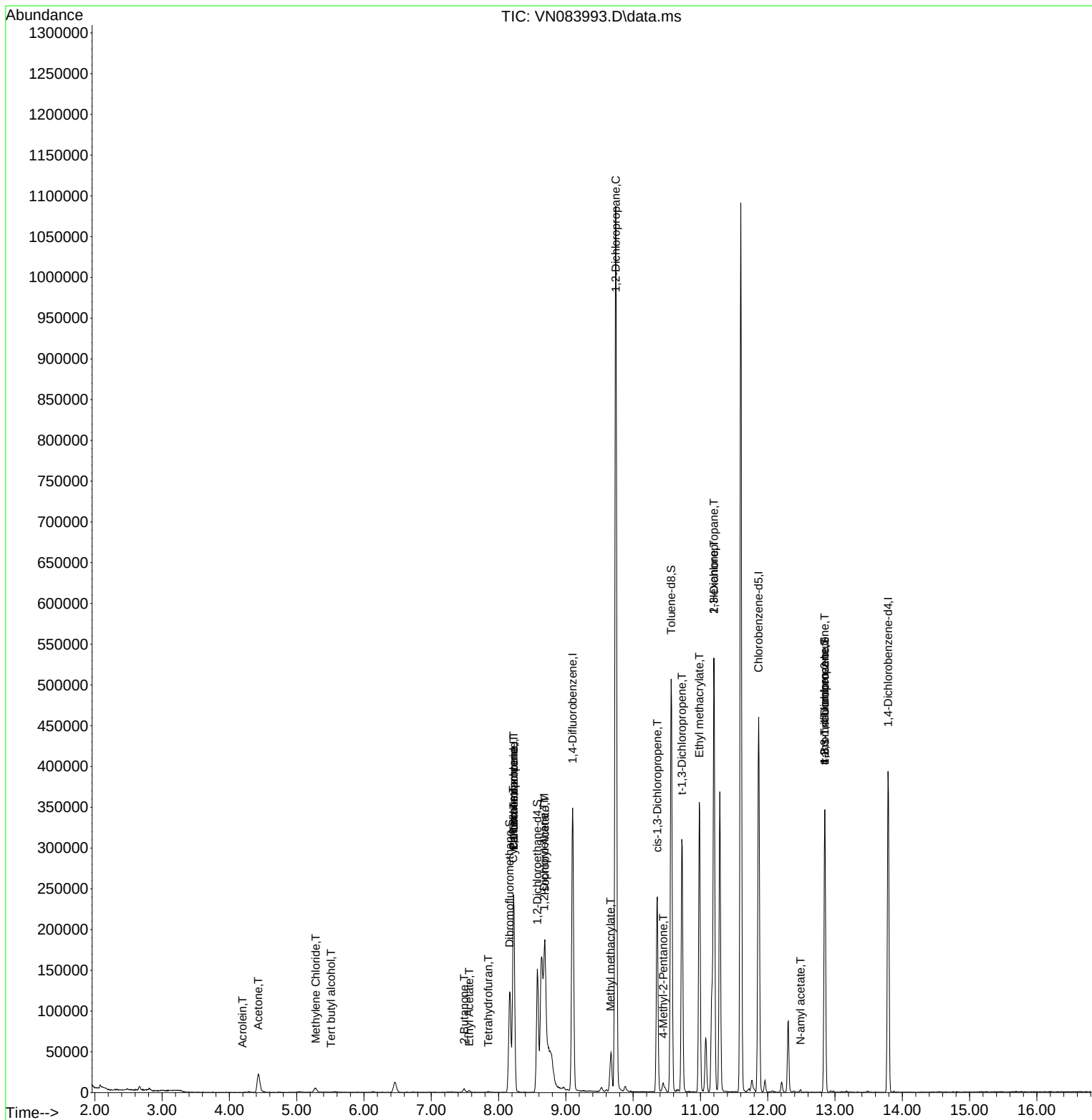
Quant Time: Sep 19 01:40:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 15:18:56 2024
 Response via : Initial Calibration

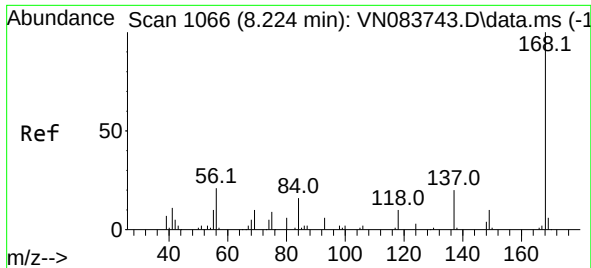
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	162017	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	283257	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	243890	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	99027	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	127344	52.126	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.260%			
35) Dibromofluoromethane	8.165	113	88305	48.696	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.400%			
50) Toluene-d8	10.565	98	338237	53.954	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.900%			
62) 4-Bromofluorobenzene	12.847	95	116549	45.062	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 90.120%			
Target Compounds			Qvalue			
3) Chloromethane	2.365	50	147	Below Cal #		41
11) Tert butyl alcohol	5.512	59	125	0.382 ug/l #		71
13) Acrolein	4.195	56	66	0.204 ug/l #		13
16) Acetone	4.430	43	45204	46.158 ug/l		92
18) Methyl Acetate	5.042	43	1769	Below Cal #		59
20) Methylene Chloride	5.283	84	3916	1.954 ug/l		97
25) 2-Butanone	7.489	43	6721	5.221 ug/l #		78
29) Tetrahydrofuran	7.847	42	651	0.855 ug/l #		53
31) Cyclohexane	8.218	56	4436	1.256 ug/l #		37
36) 1,1-Dichloropropene	8.224	75	15140	5.547 ug/l #		51
37) Ethyl Acetate	7.565	43	3300	1.332 ug/l #		83
38) Carbon Tetrachloride	8.224	117	19229	6.210 ug/l #		17
42) 1,2-Dichloroethane	8.677	62	1320	0.430 ug/l #		77
43) Isopropyl Acetate	8.688	43	315968	70.379 ug/l #		72
45) 1,2-Dichloropropane	9.741	63	1144	0.576 ug/l #		42
48) Methyl methacrylate	9.665	41	3269	1.535 ug/l #		47
51) 4-Methyl-2-Pentanone	10.447	43	12302	5.034 ug/l #		72
53) t-1,3-Dichloropropene	10.724	75	837	0.274 ug/l #		42
54) cis-1,3-Dichloropropene	10.359	75	41248	12.871 ug/l #		64
56) Ethyl methacrylate	10.982	69	1157	0.401 ug/l #		1
57) 1,3-Dichloropropane	11.200	76	5689	1.764 ug/l #		42
59) 2-Hexanone	11.200	43	69961	38.700 ug/l #		53
74) N-amyl acetate	12.488	43	1974	0.604 ug/l #		43
76) 1,2,3-Trichloropropane	12.847	75	67461	33.761 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.847	75	67461	88.424 ug/l #		9

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

Quant Time: Sep 19 01:40:07 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

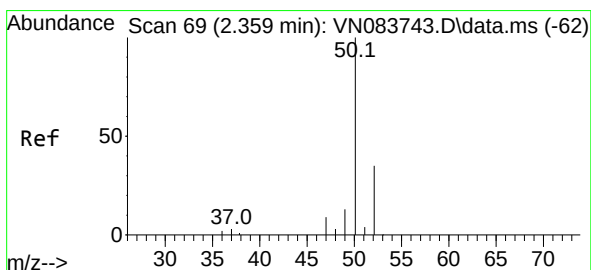
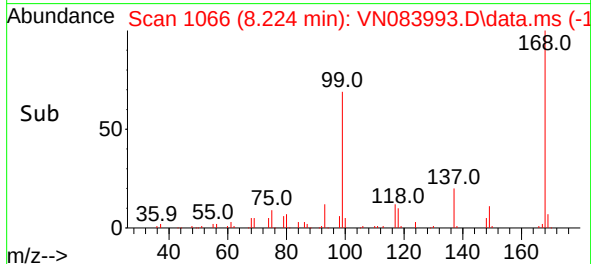
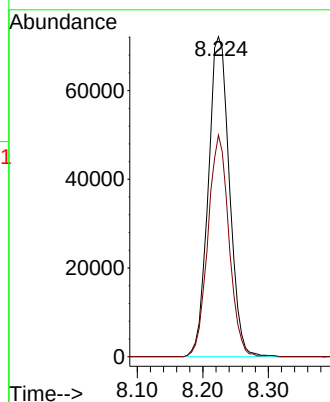
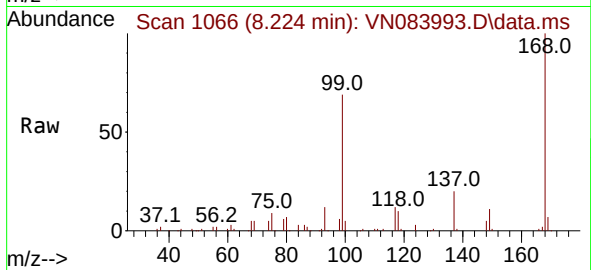




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083993.D
Acq: 18 Sep 2024 19:27

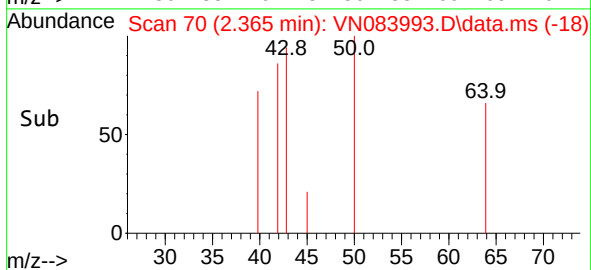
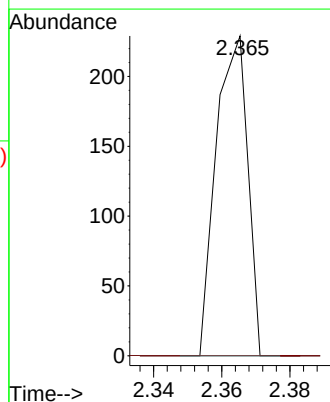
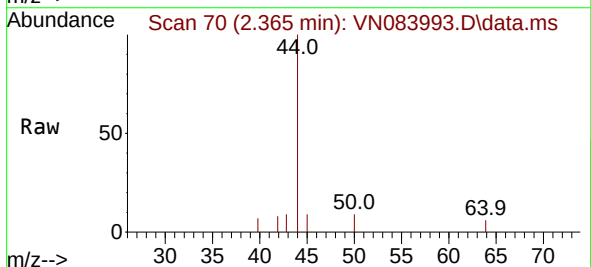
Instrument :
MSVOA_N
ClientSampleId :

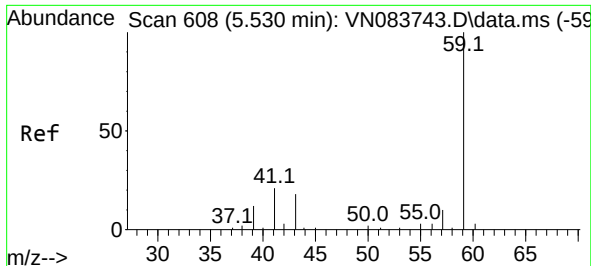
Tgt Ion:168 Resp: 162017
Ion Ratio Lower Upper
168 100
99 69.3 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN083993.D
Acq: 18 Sep 2024 19:27

Tgt Ion: 50 Resp: 147
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#





#11

Tert butyl alcohol

Concen: 0.382 ug/l

RT: 5.512 min Scan# 608

Delta R.T. -0.018 min

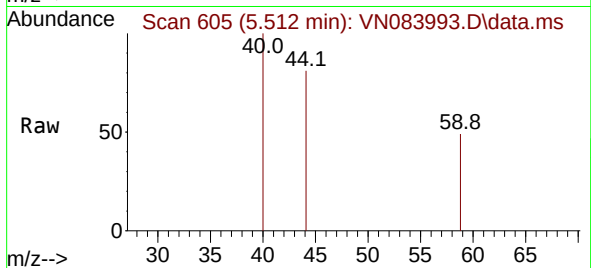
Lab File: VN083993.D

Acq: 18 Sep 2024 19:27

Instrument :

MSVOA_N

ClientSampleId :

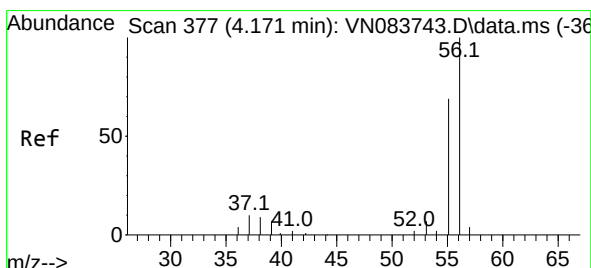
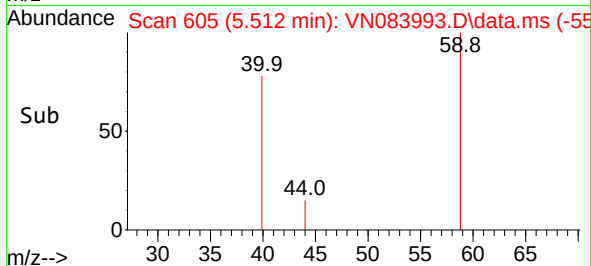
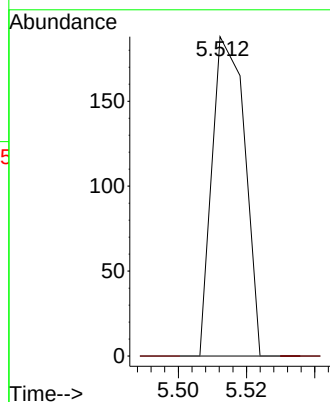


Tgt Ion: 59 Resp: 125

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



#13

Acrolein

Concen: 0.204 ug/l

RT: 4.195 min Scan# 381

Delta R.T. 0.024 min

Lab File: VN083993.D

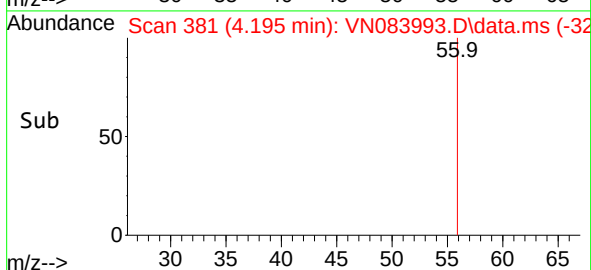
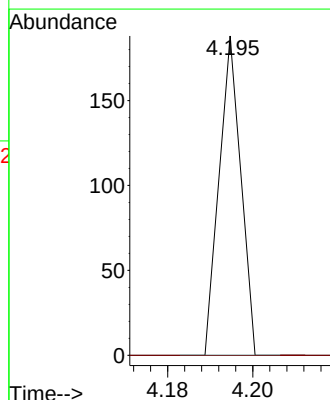
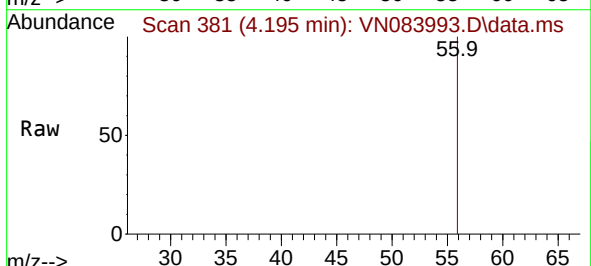
Acq: 18 Sep 2024 19:27

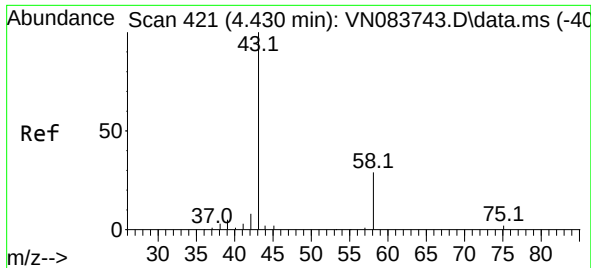
Tgt Ion: 56 Resp: 66

Ion Ratio Lower Upper

56 100

55 0.0 58.2 87.2#

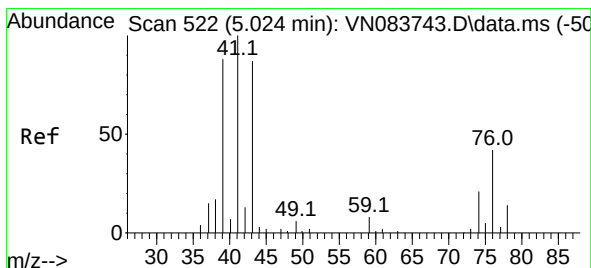
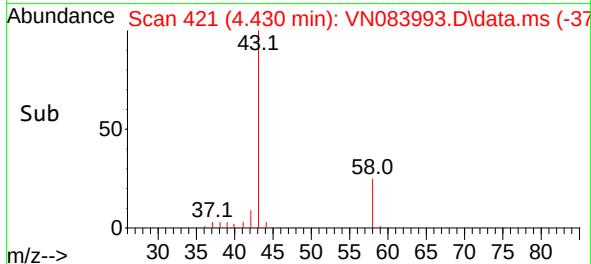
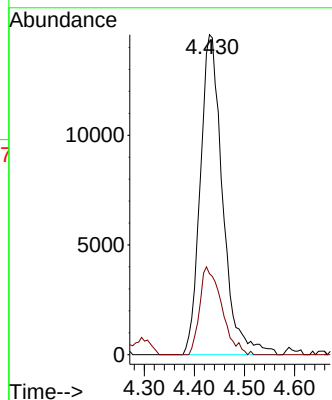
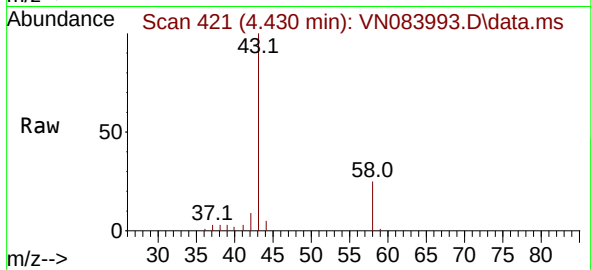




#16
Acetone
Concen: 46.158 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN083993.D
Acq: 18 Sep 2024 19:27

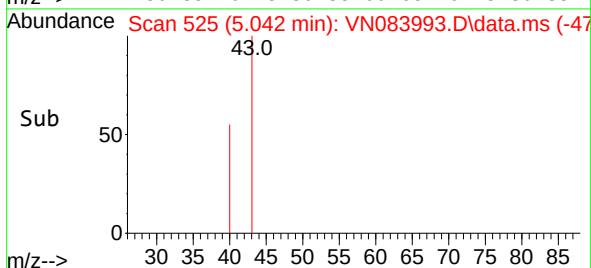
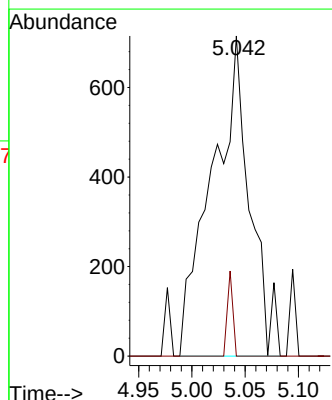
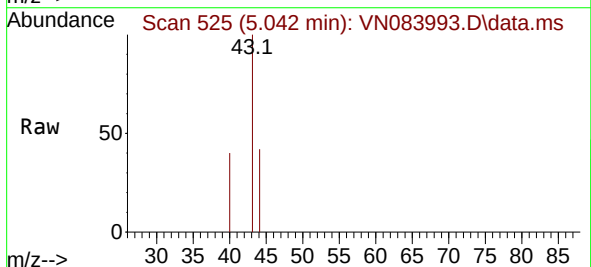
Instrument :
MSVOA_N
ClientSampleId :

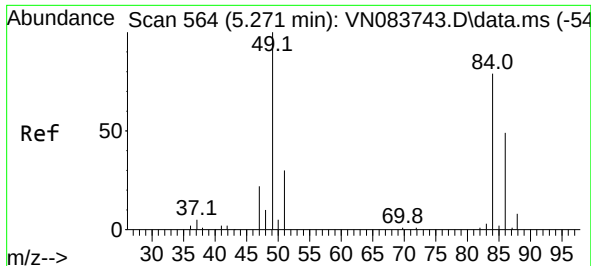
Tgt Ion: 43 Resp: 45204
Ion Ratio Lower Upper
43 100
58 25.3 23.7 35.5



#18
Methyl Acetate
Concen: Below Cal
RT: 5.042 min Scan# 525
Delta R.T. 0.018 min
Lab File: VN083993.D
Acq: 18 Sep 2024 19:27

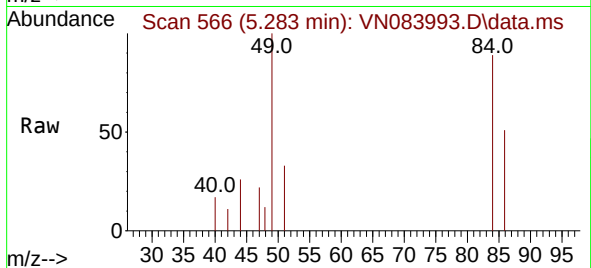
Tgt Ion: 43 Resp: 1769
Ion Ratio Lower Upper
43 100
74 3.8 19.0 28.4#



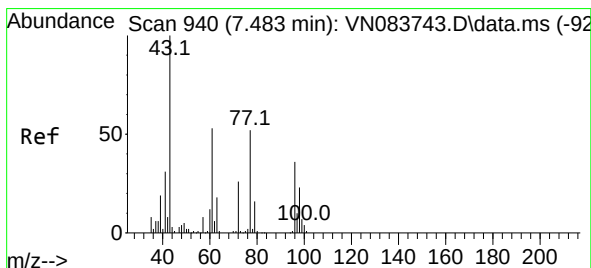
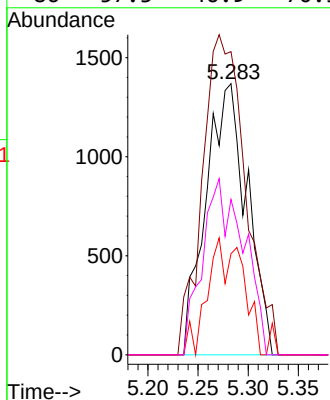
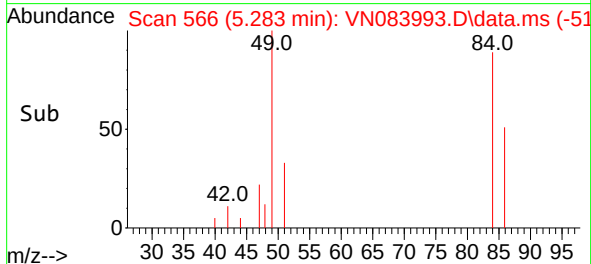


#20
Methylene Chloride
Concen: 1.954 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN083993.D
Acq: 18 Sep 2024 19:27

Instrument :
MSVOA_N
ClientSampleId :

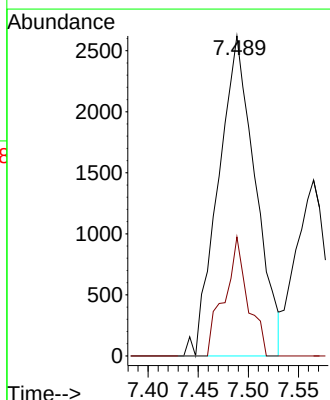
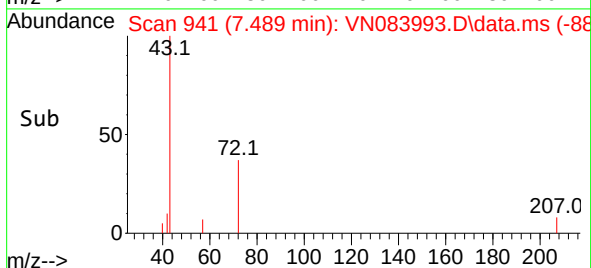
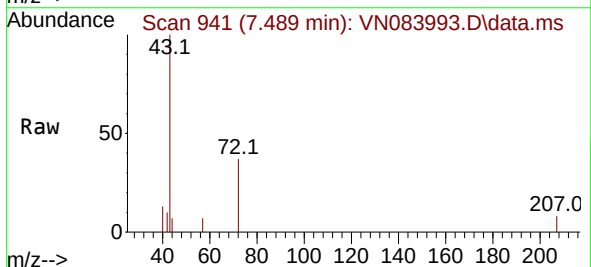


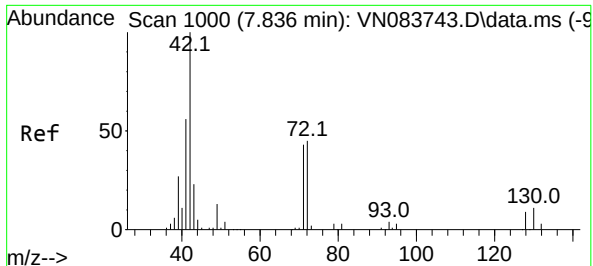
Tgt Ion: 84	Resp: 3916
Ion Ratio	Lower Upper
84 100	
49 111.8	93.4 140.0
51 37.3	29.2 43.8
86 57.3	46.9 70.3



#25
2-Butanone
Concen: 5.221 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN083993.D
Acq: 18 Sep 2024 19:27

Tgt Ion: 43	Resp: 6721		
Ion Ratio	Lower	Upper	
43 100			
72 37.2	20.8	31.2#	





#29

Tetrahydrofuran

Concen: 0.855 ug/l

RT: 7.847 min Scan# 1065

Delta R.T. 0.012 min

Lab File: VN083993.D

Acq: 18 Sep 2024 19:27

Instrument :

MSVOA_N

ClientSampleId :

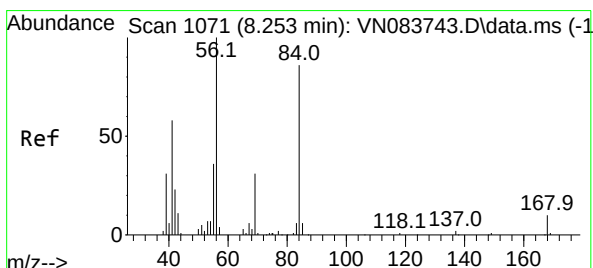
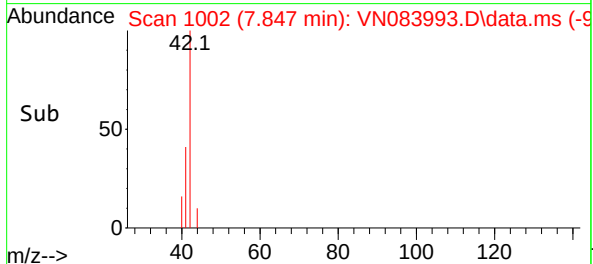
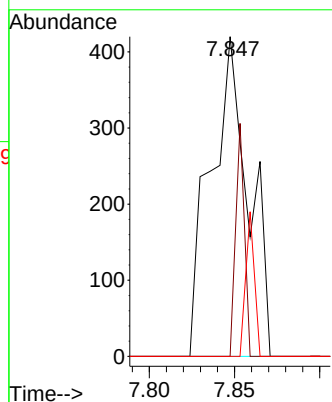
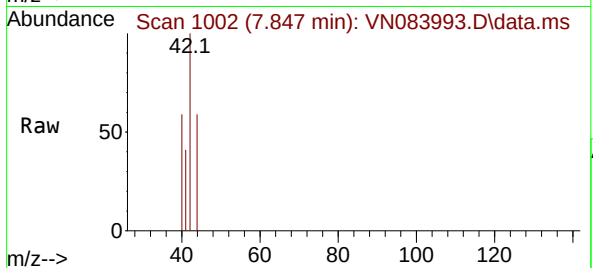
Tgt Ion: 42 Resp: 651

Ion Ratio Lower Upper

42 100

72 16.6 35.9 53.9#

71 10.3 33.9 50.9#



#31

Cyclohexane

Concen: 1.256 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.035 min

Lab File: VN083993.D

Acq: 18 Sep 2024 19:27

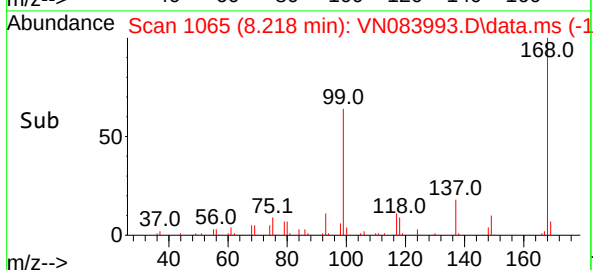
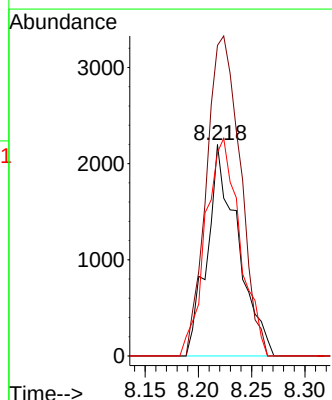
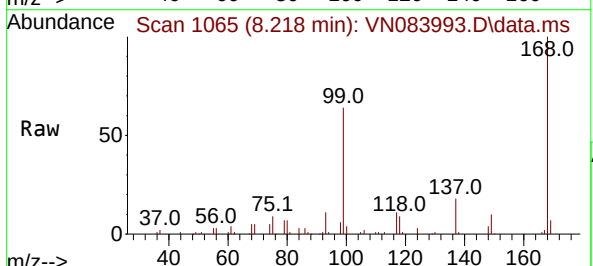
Tgt Ion: 56 Resp: 4436

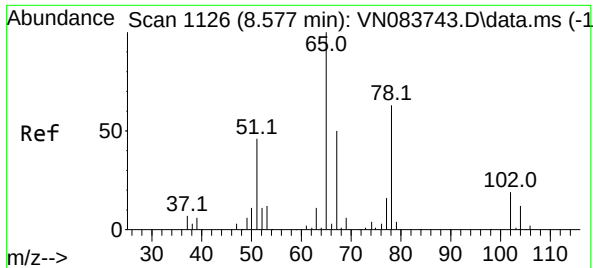
Ion Ratio Lower Upper

56 100

69 147.0 26.9 40.3#

84 96.3 69.2 103.8





#33

1,2-Dichloroethane-d4

Concen: 52.126 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN083993.D

Acq: 18 Sep 2024 19:27

Instrument :

MSVOA_N

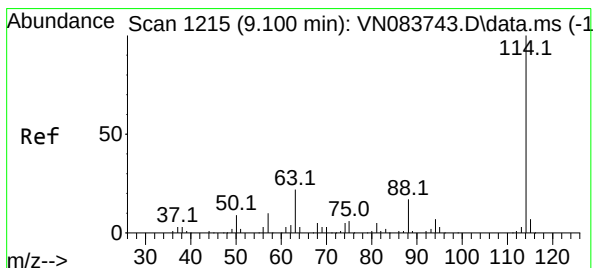
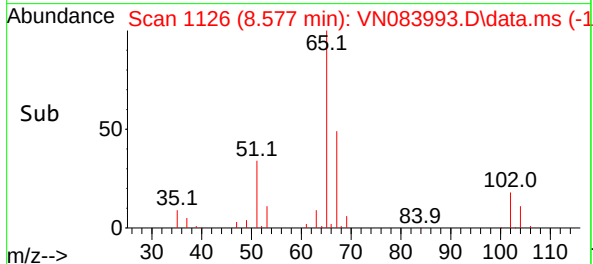
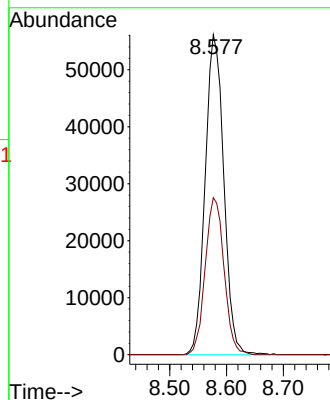
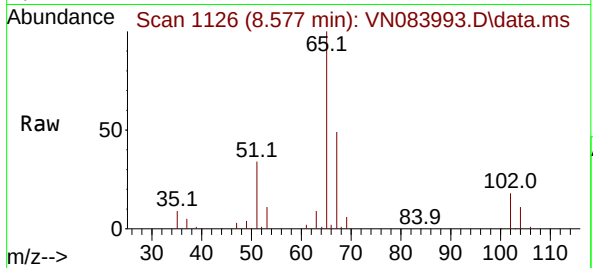
ClientSampleId :

Tgt Ion: 65 Resp: 127344

Ion Ratio Lower Upper

65 100

67 49.6 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: VN083993.D

Acq: 18 Sep 2024 19:27

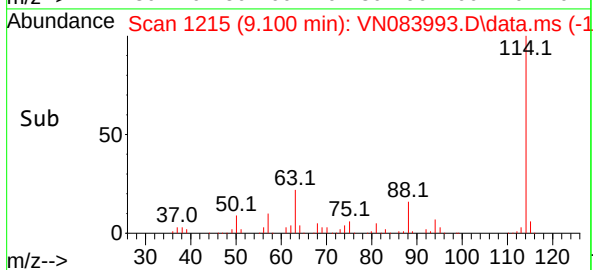
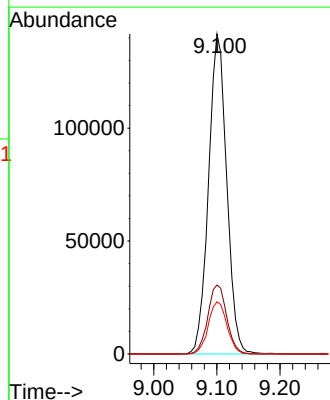
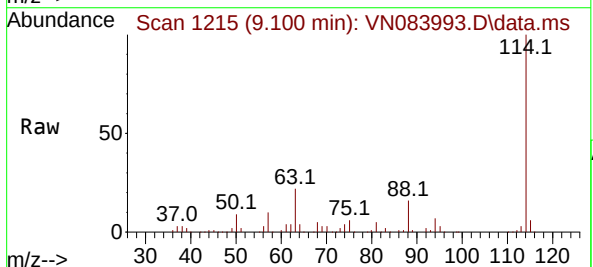
Tgt Ion: 114 Resp: 283257

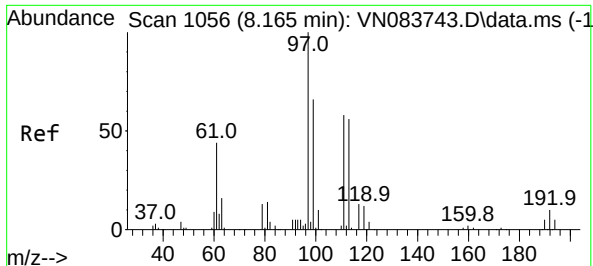
Ion Ratio Lower Upper

114 100

63 21.6 0.0 43.4

88 16.3 0.0 32.6

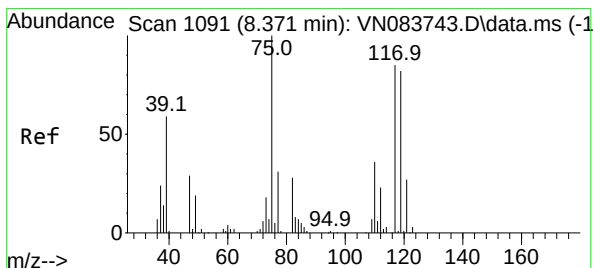
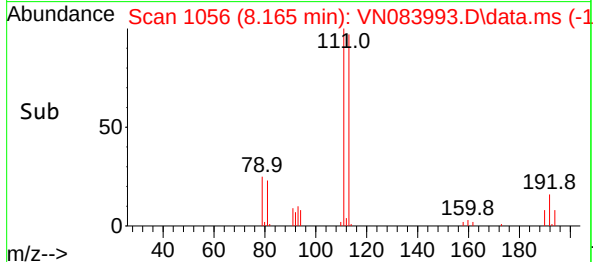
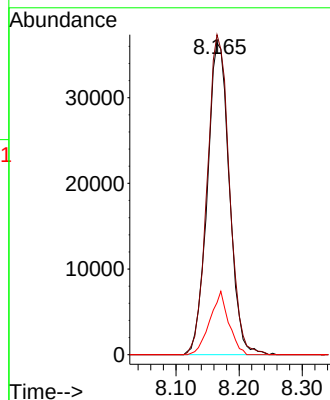
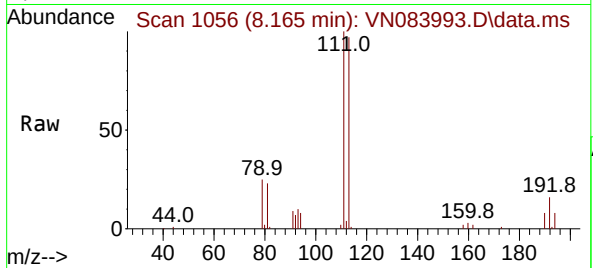




#35
Dibromofluoromethane
Concen: 48.696 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN083993.D
Acq: 18 Sep 2024 19:27

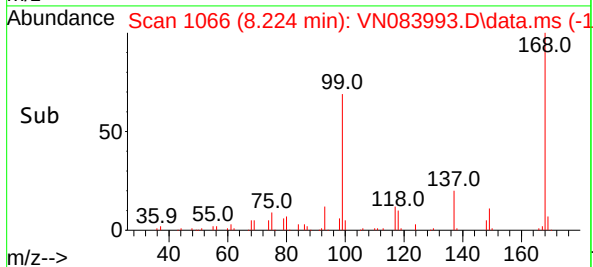
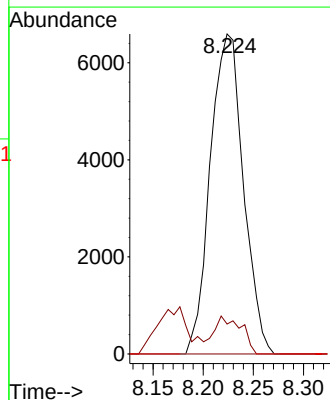
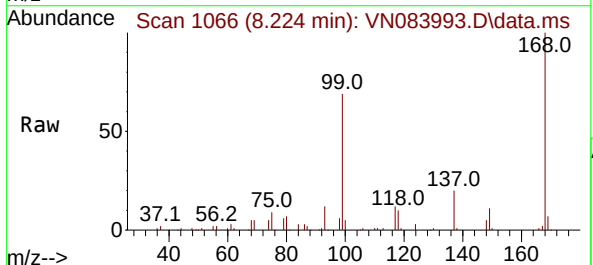
Instrument :
MSVOA_N
ClientSampleId :

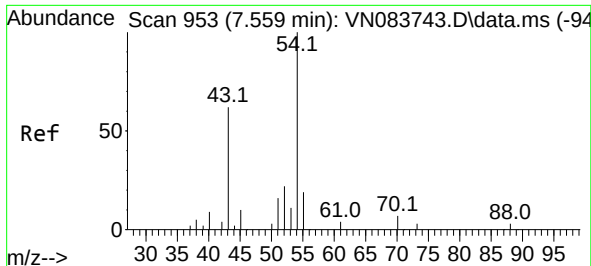
Tgt Ion:113 Resp: 88305
Ion Ratio Lower Upper
113 100
111 103.0 82.6 124.0
192 17.4 14.3 21.5



#36
1,1-Dichloropropene
Concen: 5.547 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN083993.D
Acq: 18 Sep 2024 19:27

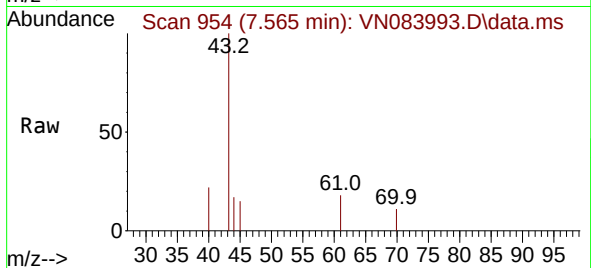
Tgt Ion: 75 Resp: 15140
Ion Ratio Lower Upper
75 100
110 9.8 16.7 50.1#
77 0.0 25.2 37.8#



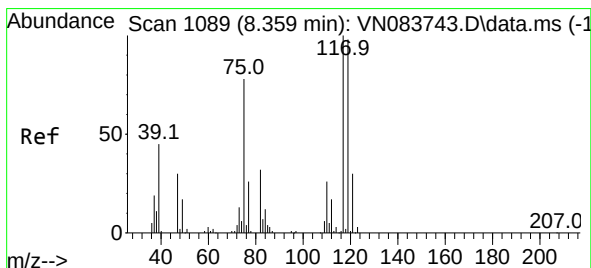
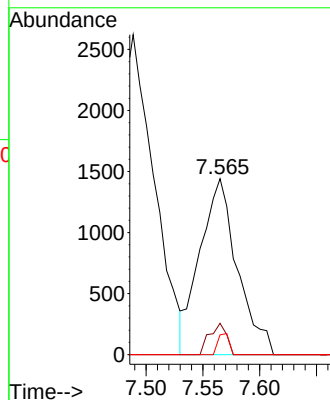
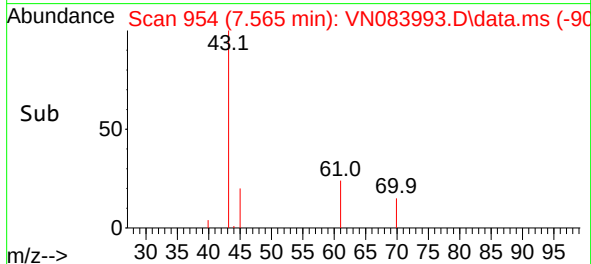


#37
Ethyl Acetate
Concen: 1.332 ug/l
RT: 7.565 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN083993.D
Acq: 18 Sep 2024 19:27

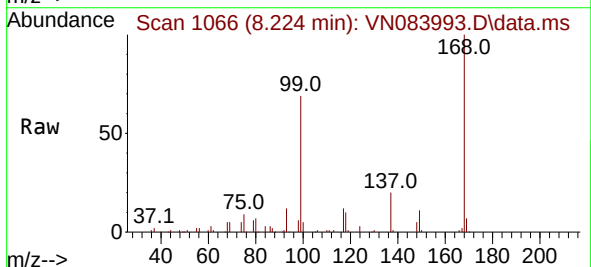
Instrument :
MSVOA_N
ClientSampleId :



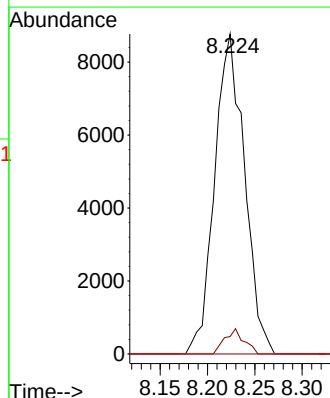
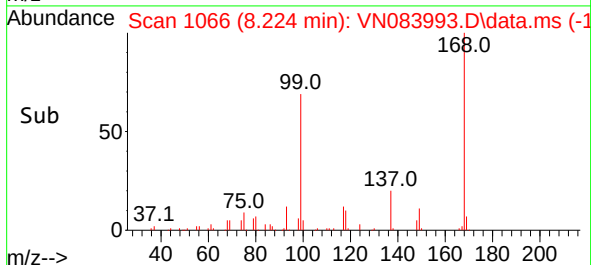
Tgt Ion: 43 Resp: 3300
Ion Ratio Lower Upper
43 100
61 8.1 11.1 16.7#
70 3.6 8.8 13.2#

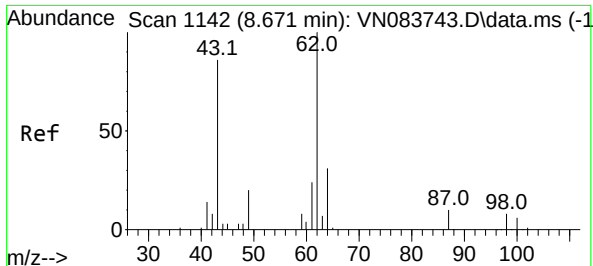


#38
Carbon Tetrachloride
Concen: 6.210 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN083993.D
Acq: 18 Sep 2024 19:27



Tgt Ion: 117 Resp: 19229
Ion Ratio Lower Upper
117 100
119 5.4 76.1 114.1#
121 0.0 24.1 36.1#

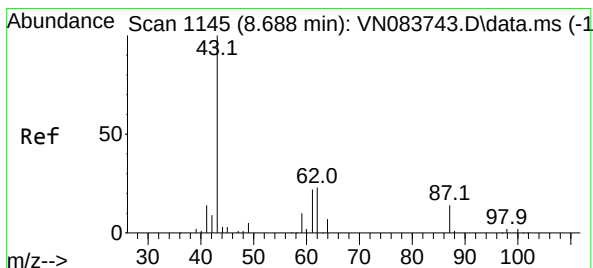
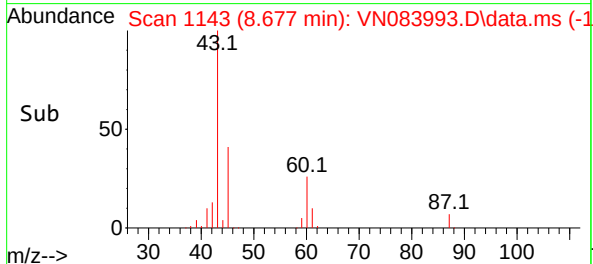
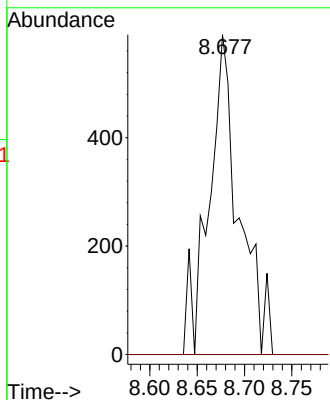
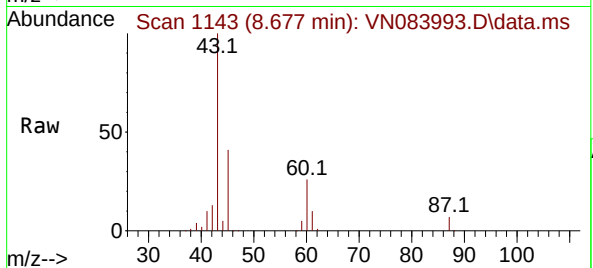




#42
1,2-Dichloroethane
Concen: 0.430 ug/l
RT: 8.677 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN083993.D
Acq: 18 Sep 2024 19:27

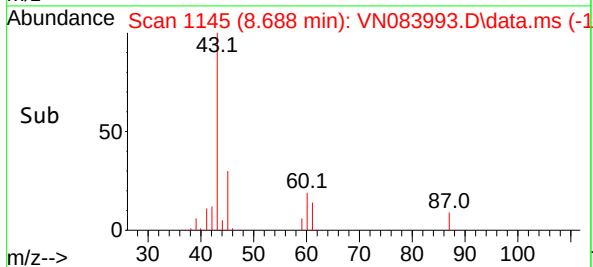
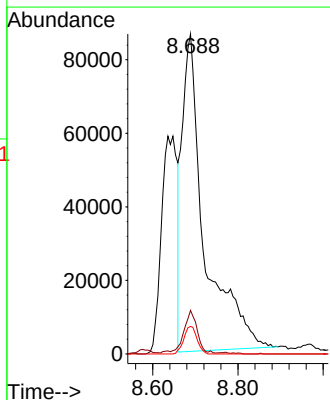
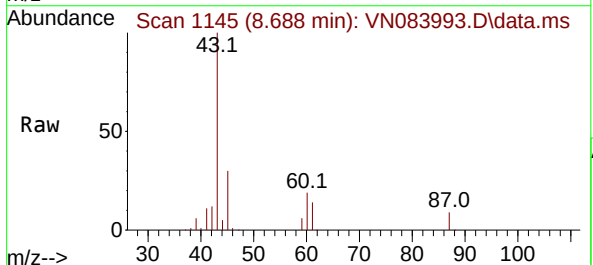
Instrument :
MSVOA_N
ClientSampleId :

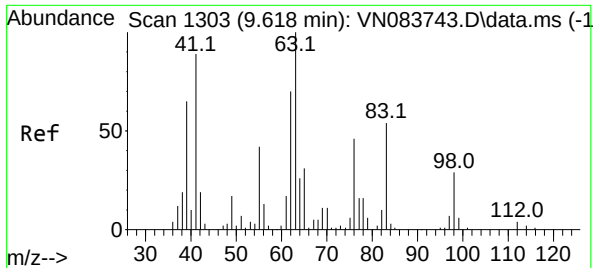
Tgt Ion: 62 Resp: 1320
Ion Ratio Lower Upper
62 100
98 0.0 0.0 16.6



#43
Isopropyl Acetate
Concen: 70.379 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN083993.D
Acq: 18 Sep 2024 19:27

Tgt Ion: 43 Resp: 315968
Ion Ratio Lower Upper
43 100
61 8.0 19.4 29.0#
87 5.1 9.8 14.6#

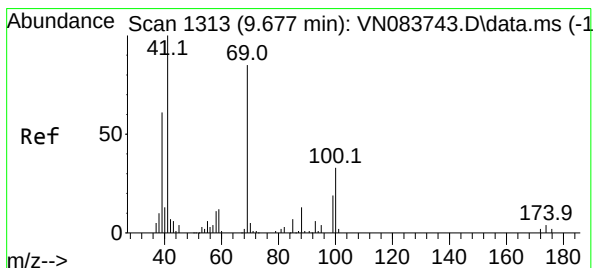
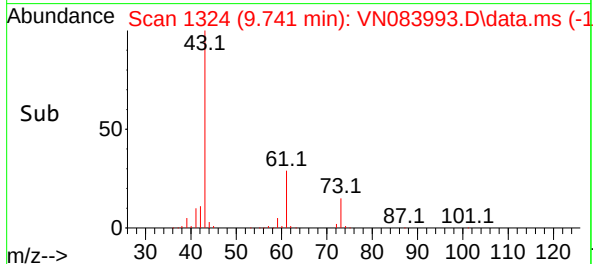
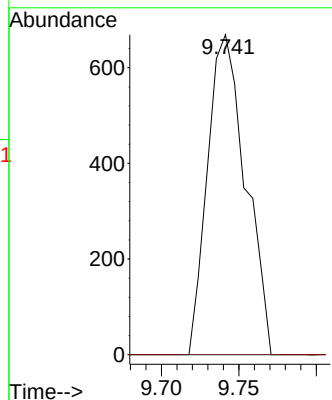
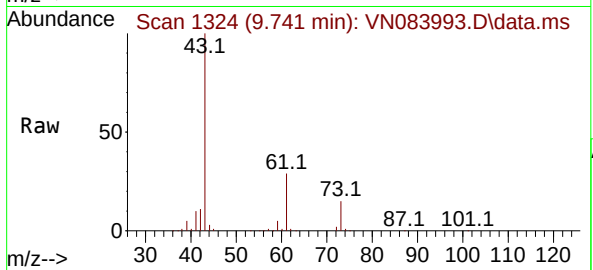




#45
1,2-Dichloropropane
Concen: 0.576 ug/l
RT: 9.741 min Scan# 1144
Delta R.T. 0.124 min
Lab File: VN083993.D
Acq: 18 Sep 2024 19:27

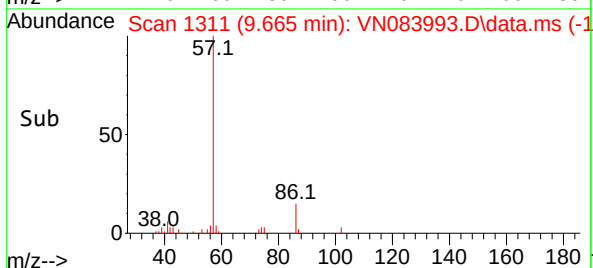
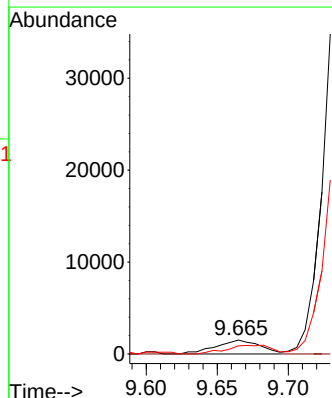
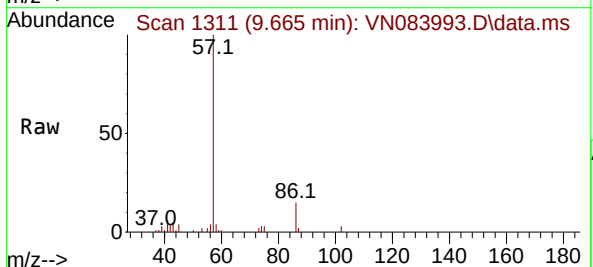
Instrument :
MSVOA_N
ClientSampleId :

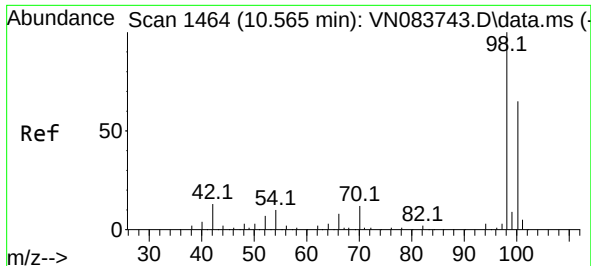
Tgt Ion: 63 Resp: 1144
Ion Ratio Lower Upper
63 100
65 0.0 25.9 38.9#



#48
Methyl methacrylate
Concen: 1.535 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.012 min
Lab File: VN083993.D
Acq: 18 Sep 2024 19:27

Tgt Ion: 41 Resp: 3269
Ion Ratio Lower Upper
41 100
69 0.0 64.3 96.5#
39 63.4 48.9 73.3

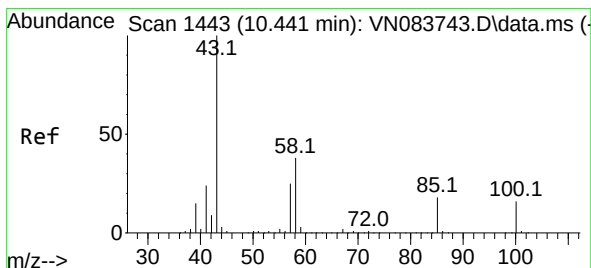
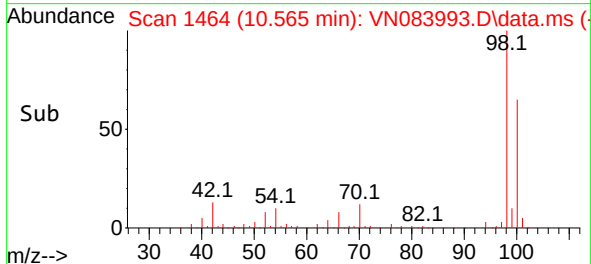
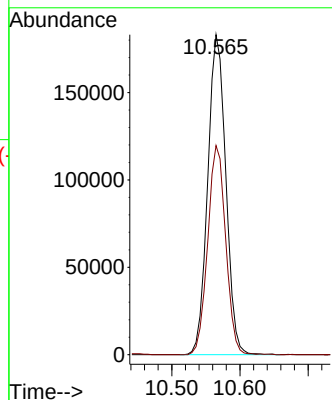
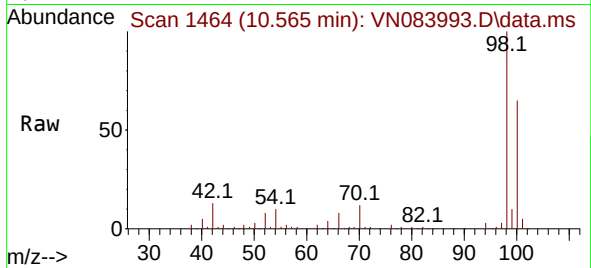




#50
Toluene-d8
Concen: 53.954 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN083993.D
Acq: 18 Sep 2024 19:27

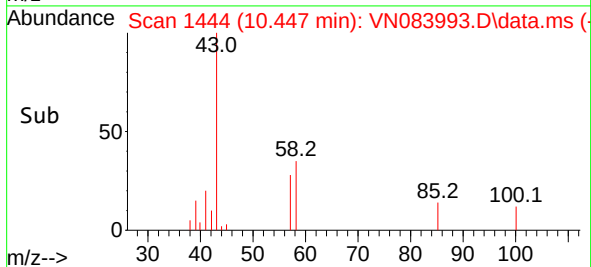
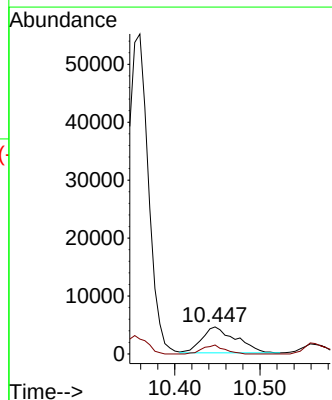
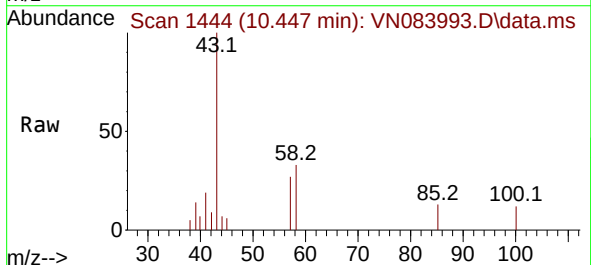
Instrument :
MSVOA_N
ClientSampleId :

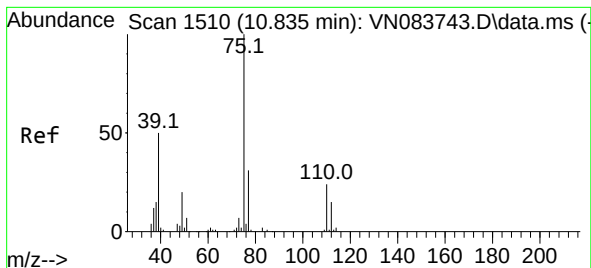
Tgt Ion: 98 Resp: 338237
Ion Ratio Lower Upper
98 100
100 64.9 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 5.034 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN083993.D
Acq: 18 Sep 2024 19:27

Tgt Ion: 43 Resp: 12302
Ion Ratio Lower Upper
43 100
58 22.1 31.6 47.4#

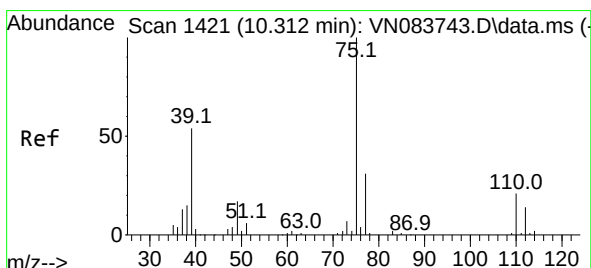
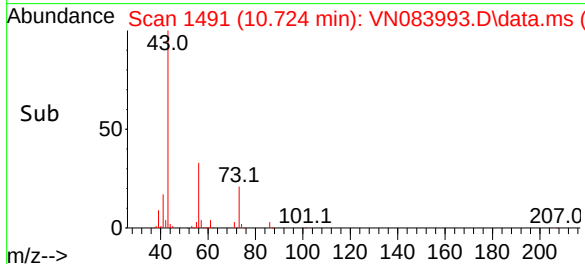
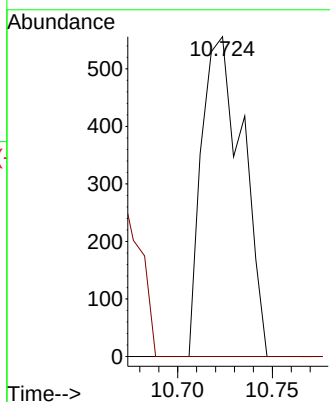
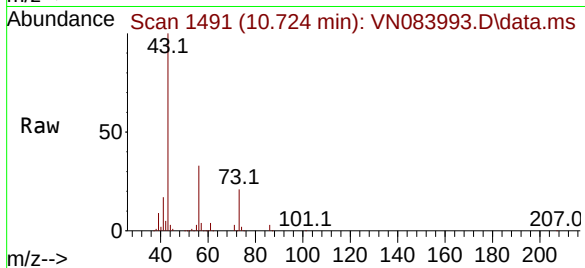




#53
t-1,3-Dichloropropene
Concen: 0.274 ug/l
RT: 10.724 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN083993.D
Acq: 18 Sep 2024 19:27

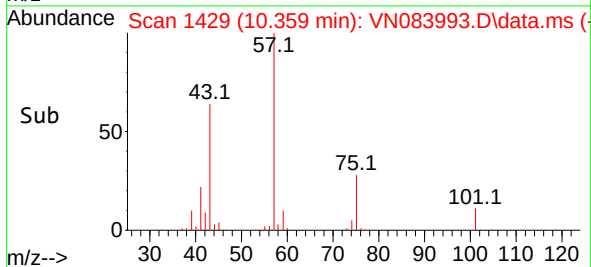
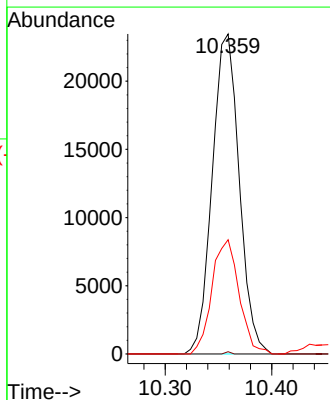
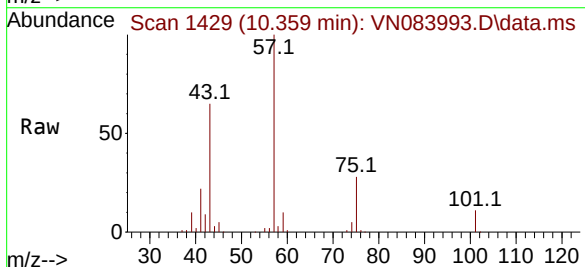
Instrument :
MSVOA_N
ClientSampleId :

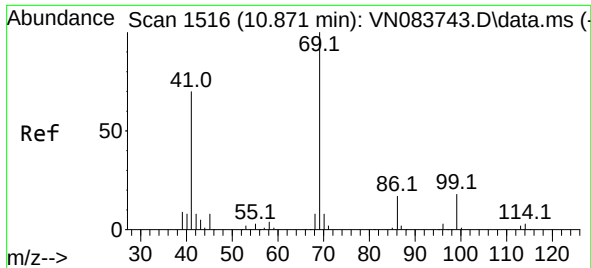
Tgt Ion: 75 Resp: 837
Ion Ratio Lower Upper
75 100
77 0.0 25.8 38.6#



#54
cis-1,3-Dichloropropene
Concen: 12.871 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN083993.D
Acq: 18 Sep 2024 19:27

Tgt Ion: 75 Resp: 41248
Ion Ratio Lower Upper
75 100
77 0.7 25.0 37.6#
39 35.7 42.6 64.0#

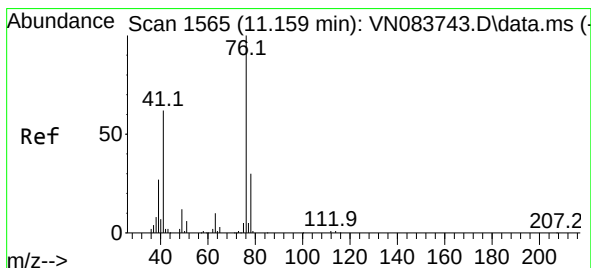
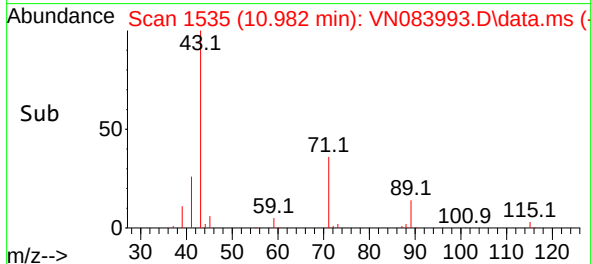
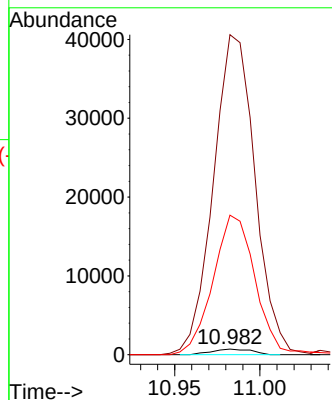
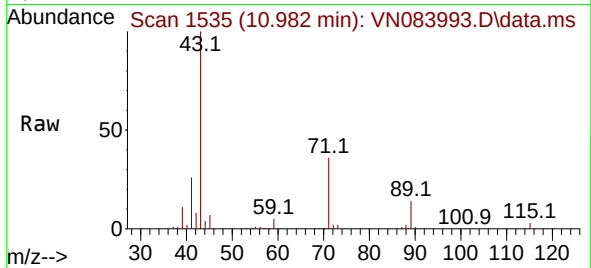




#56
Ethyl methacrylate
Concen: 0.401 ug/l
RT: 10.982 min Scan# 1157
Delta R.T. 0.112 min
Lab File: VN083993.D
Acq: 18 Sep 2024 19:27

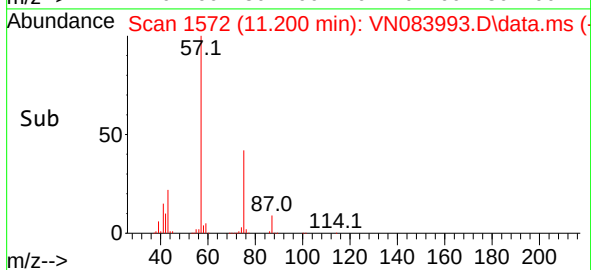
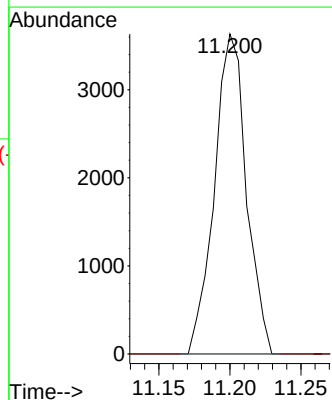
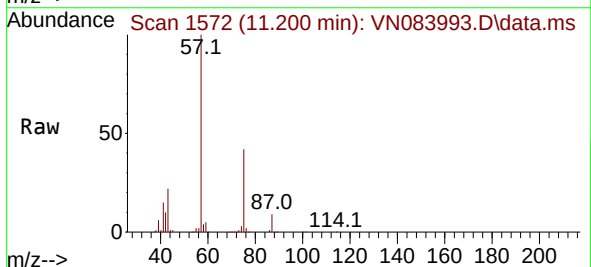
Instrument :
MSVOA_N
ClientSampleId :

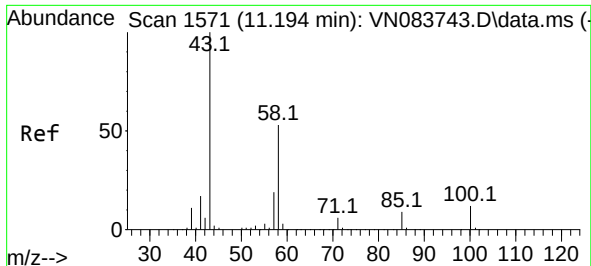
Tgt Ion: 69 Resp: 1157
Ion Ratio Lower Upper
69 100
41 5985.1 53.9 80.9#
39 2637.3 32.6 48.8#



#57
1,3-Dichloropropane
Concen: 1.764 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN083993.D
Acq: 18 Sep 2024 19:27

Tgt Ion: 76 Resp: 5689
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

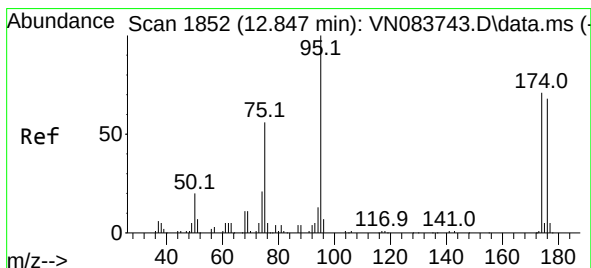
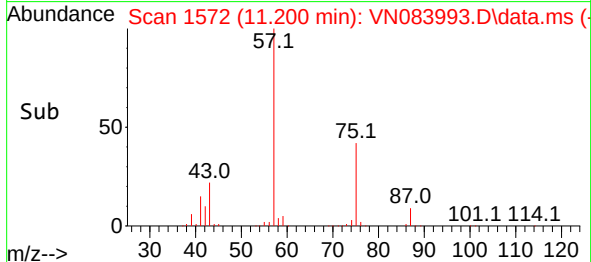
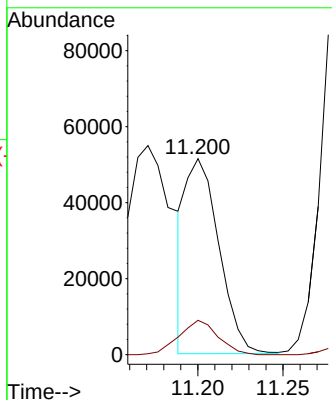
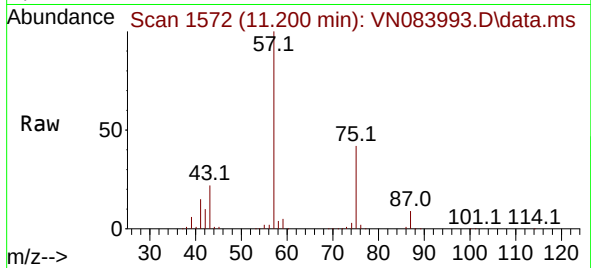




#59
2-Hexanone
Concen: 38.700 ug/l
RT: 11.200 min Scan# 1571
Delta R.T. 0.006 min
Lab File: VN083993.D
Acq: 18 Sep 2024 19:27

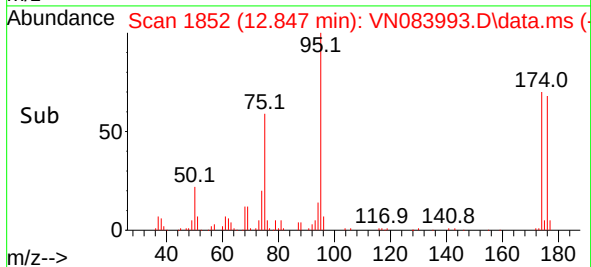
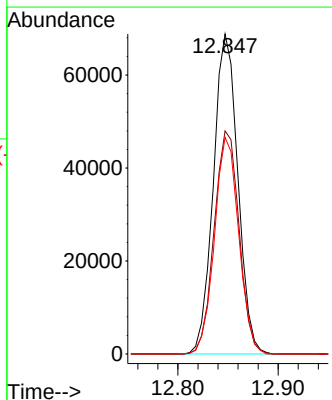
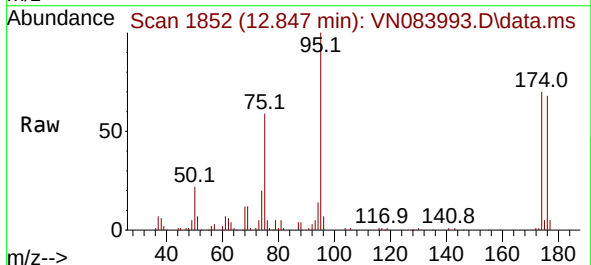
Instrument :
MSVOA_N
ClientSampleId :

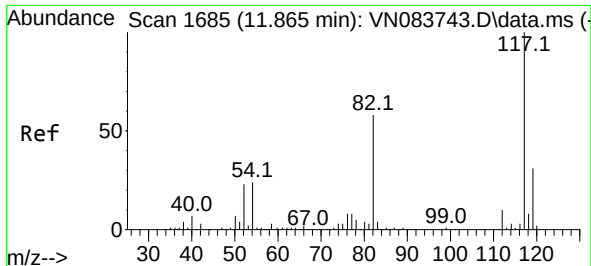
Tgt Ion: 43 Resp: 69961
Ion Ratio Lower Upper
43 100
58 20.6 27.2 81.5#



#62
4-Bromofluorobenzene
Concen: 45.062 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN083993.D
Acq: 18 Sep 2024 19:27

Tgt Ion: 95 Resp: 116549
Ion Ratio Lower Upper
95 100
174 71.0 0.0 139.8
176 67.2 0.0 131.4

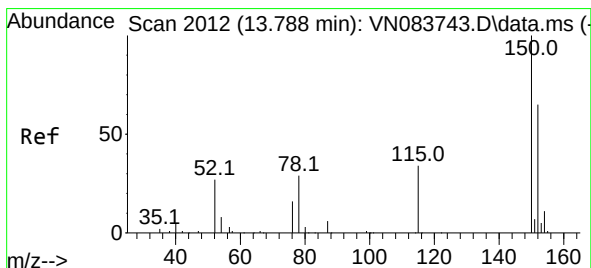
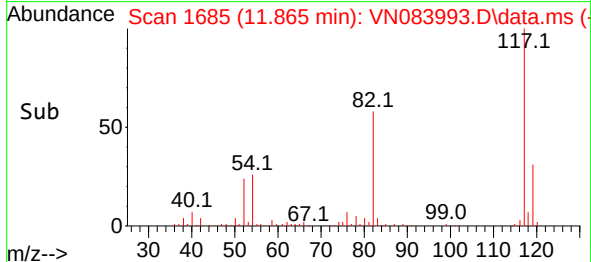
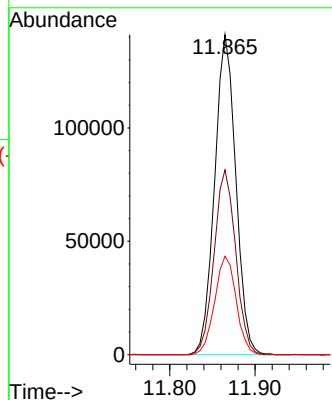
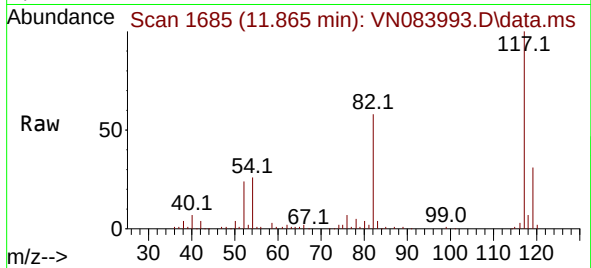




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN083993.D
Acq: 18 Sep 2024 19:27

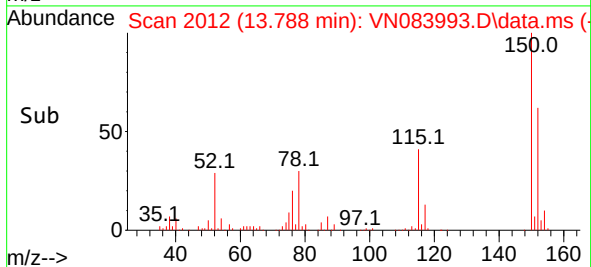
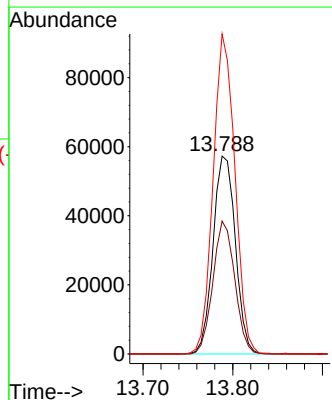
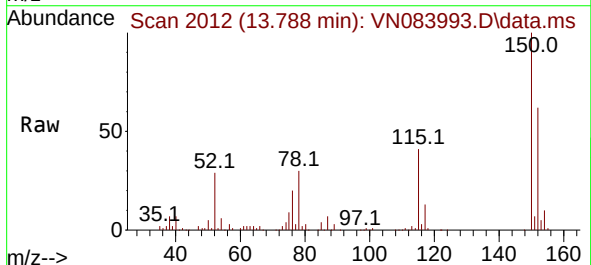
Instrument :
MSVOA_N
ClientSampleId :

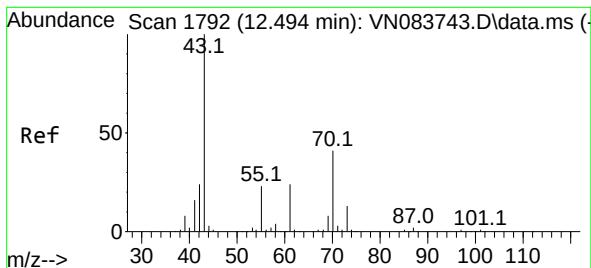
Tgt Ion:117 Resp: 243890
Ion Ratio Lower Upper
117 100
82 57.8 47.4 71.0
119 30.8 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN083993.D
Acq: 18 Sep 2024 19:27

Tgt Ion:152 Resp: 99027
Ion Ratio Lower Upper
152 100
115 65.7 32.2 96.6
150 157.7 0.0 348.6





#74

N-amy1 acetate

Concen: 0.604 ug/l

RT: 12.488 min Scan# 1

Delta R.T. -0.006 min

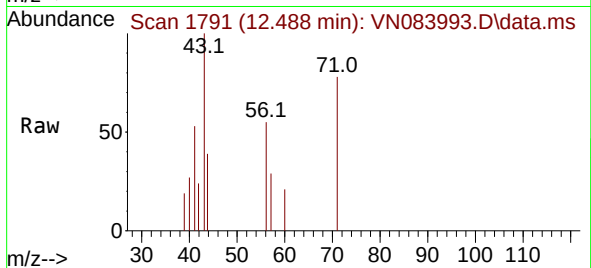
Lab File: VN083993.D

Acq: 18 Sep 2024 19:27

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 1974

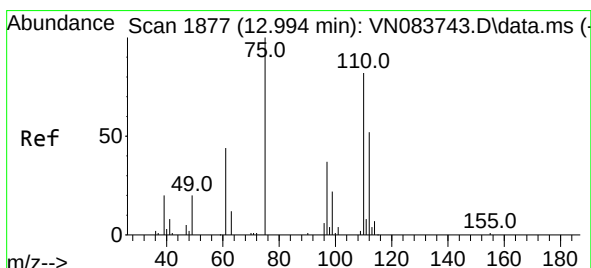
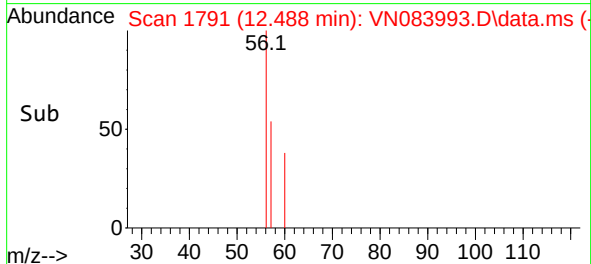
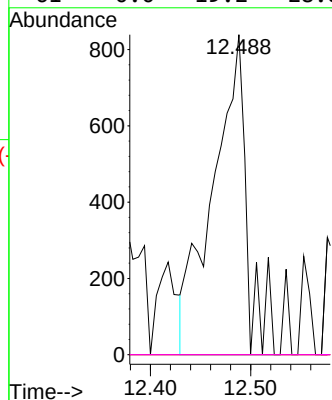
Ion Ratio Lower Upper

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: 33.761 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN083993.D

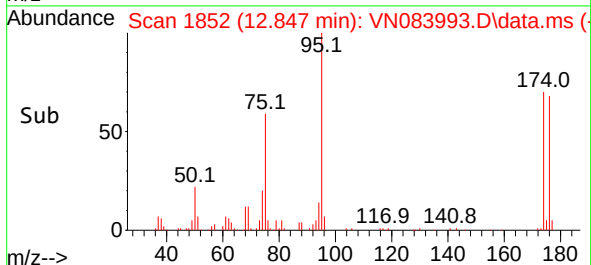
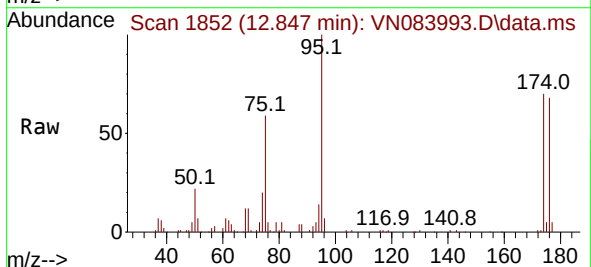
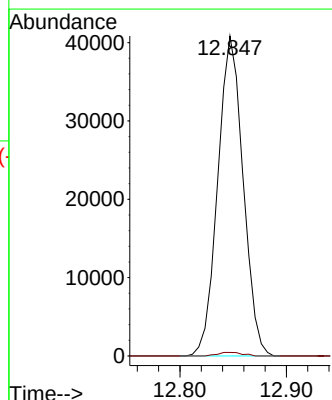
Acq: 18 Sep 2024 19:27

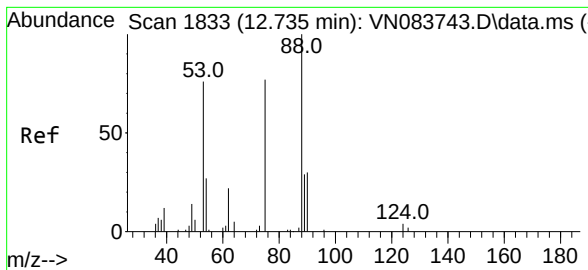
Tgt Ion: 75 Resp: 67461

Ion Ratio Lower Upper

75 100

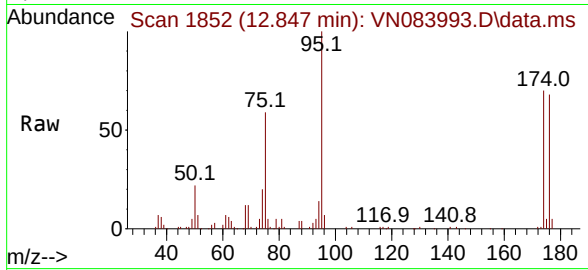
77 1.1 95.2 285.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.424 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN083993.D
 Acq: 18 Sep 2024 19:27

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 67461
 Ion Ratio Lower Upper
 75 100
 53 0.0 81.2 121.8#
 89 0.0 35.7 53.5#

