

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091024\
 Data File : VN083780.D
 Acq On : 11 Sep 2024 08:26
 Operator : JC\MD
 Sample : PB163204ZHE#10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB163204ZHE#10

Quant Time: Sep 11 08:52:15 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 03:05:46 2024
 Response via : Initial Calibration

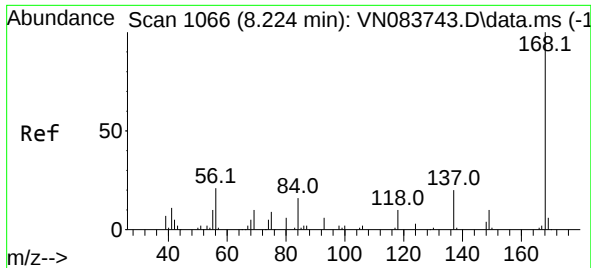
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.218	168	95732	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	206910	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	245786	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	118660	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	95087	65.872	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 131.740%#			
35) Dibromofluoromethane	8.165	113	76550	57.791	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 115.580%			
50) Toluene-d8	10.565	98	282659	61.726	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 123.460%#			
62) 4-Bromofluorobenzene	12.847	95	132219	69.983	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 139.960%#			
Target Compounds					Qvalue	
3) Chloromethane	2.354	50	664	Below Cal	#	84
5) Bromomethane	2.906	94	216	0.309	ug/l #	2
6) Chloroethane	3.007	64	854	1.010	ug/l #	45
11) Tert butyl alcohol	5.506	59	55	0.285	ug/l #	71
16) Acetone	4.430	43	37129	64.163	ug/l	97
18) Methyl Acetate	5.018	43	9480	6.239	ug/l	94
20) Methylene Chloride	5.265	84	9011	7.610	ug/l	96
25) 2-Butanone	7.489	43	4147	5.453	ug/l #	86
29) Tetrahydrofuran	7.847	42	216	0.480	ug/l #	32
31) Cyclohexane	8.224	56	2300	1.102	ug/l #	23
36) 1,1-Dichloropropene	8.212	75	8880	4.454	ug/l #	49
37) Ethyl Acetate	7.559	43	3531	1.951	ug/l #	82
38) Carbon Tetrachloride	8.218	117	11412	5.045	ug/l #	16
42) 1,2-Dichloroethane	8.688	62	991	0.442	ug/l #	77
43) Isopropyl Acetate	8.688	43	157146	47.918	ug/l #	90
45) 1,2-Dichloropropane	9.741	63	1271	0.876	ug/l #	42
48) Methyl methacrylate	9.665	41	3505	2.253	ug/l #	47
51) 4-Methyl-2-Pentanone	10.453	43	6070	3.400	ug/l	87
53) t-1,3-Dichloropropene	10.730	75	664	0.298	ug/l #	42
54) cis-1,3-Dichloropropene	10.359	75	44228	18.893	ug/l #	62
56) Ethyl methacrylate	10.982	69	1231	0.584	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	6050	2.569	ug/l #	42
59) 2-Hexanone	11.200	43	72679	55.038	ug/l #	54
74) N-amyl acetate	12.488	43	2069	0.528	ug/l #	44
76) 1,2,3-Trichloropropane	12.847	75	74319	31.040	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	74319	81.295	ug/l #	9

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

Quant Time: Sep 11 08:52:15 2024
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QLast Update : Wed Sep 11 03:05:46 2024
Response via : Initial Calibration

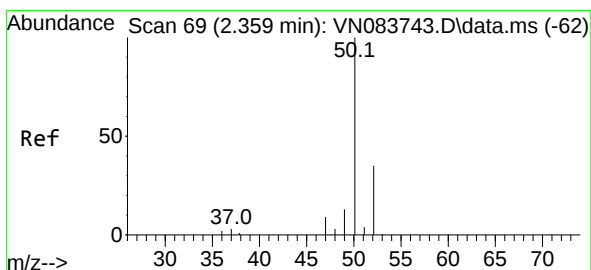
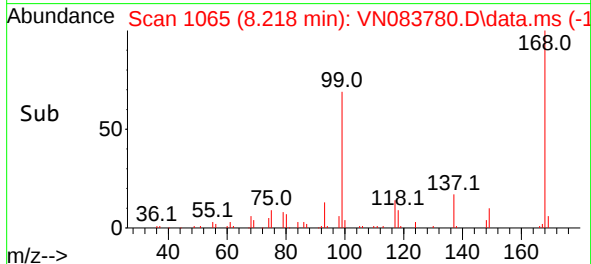
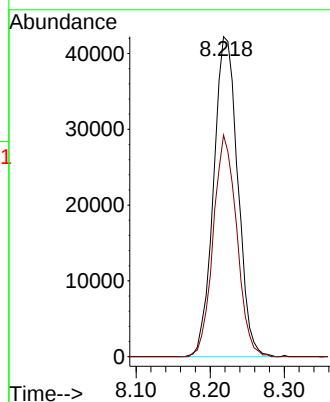
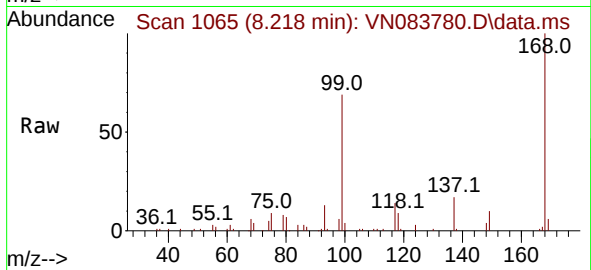




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN083780.D
Acq: 11 Sep 2024 08:26

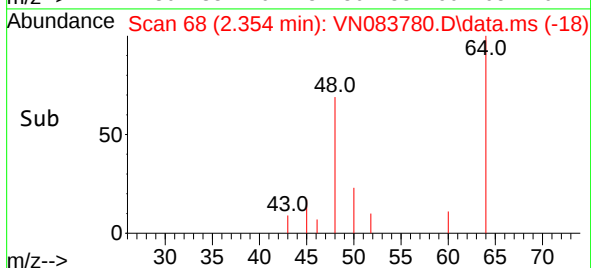
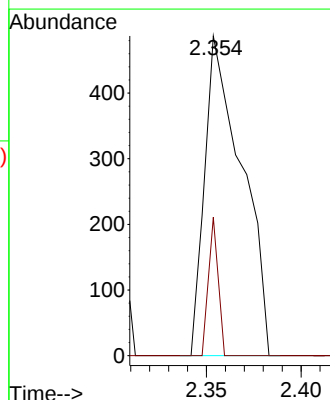
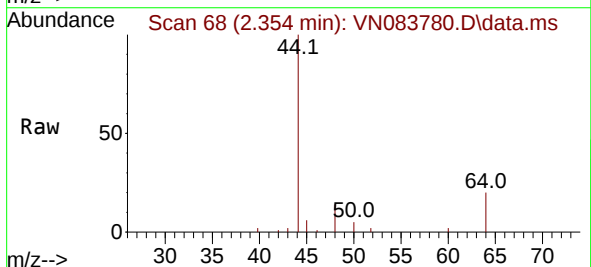
Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#10

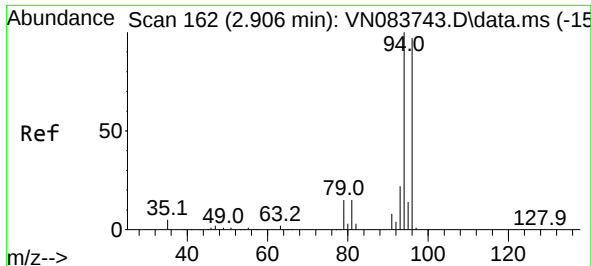
Tgt Ion:168 Resp: 95732
Ion Ratio Lower Upper
168 100
99 69.3 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.354 min Scan# 68
Delta R.T. -0.005 min
Lab File: VN083780.D
Acq: 11 Sep 2024 08:26

Tgt Ion: 50 Resp: 664
Ion Ratio Lower Upper
50 100
52 43.3 27.2 40.8#

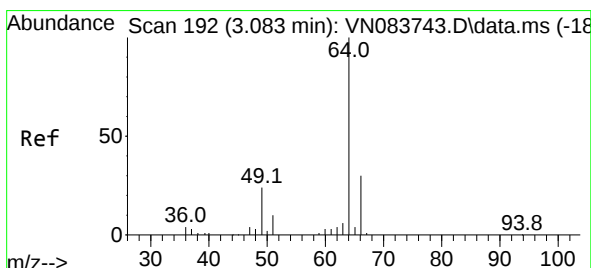
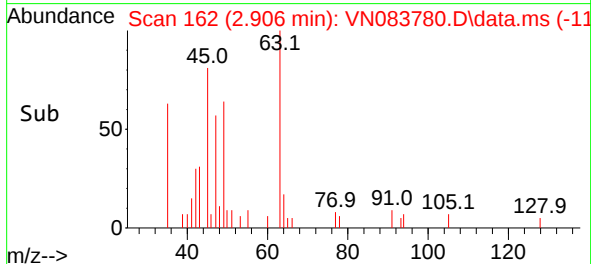
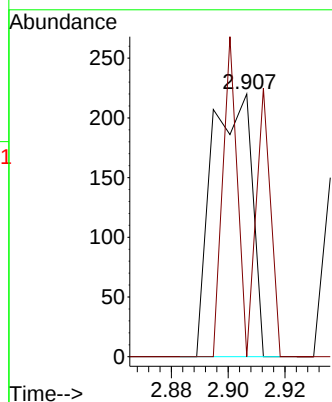
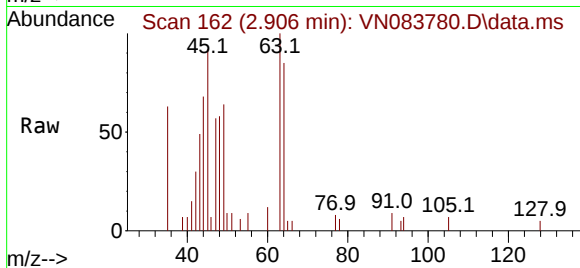




#5
Bromomethane
Concen: 0.309 ug/l
RT: 2.906 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN083780.D
Acq: 11 Sep 2024 08:26

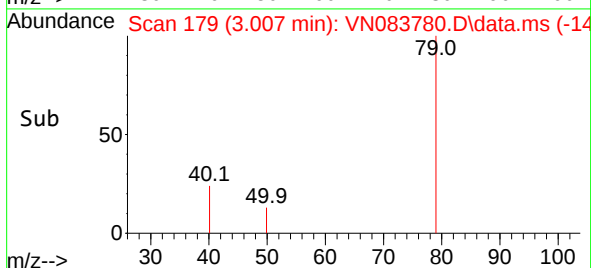
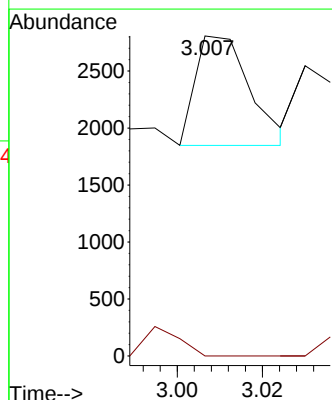
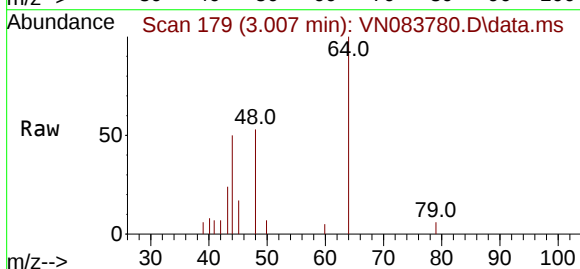
Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#10

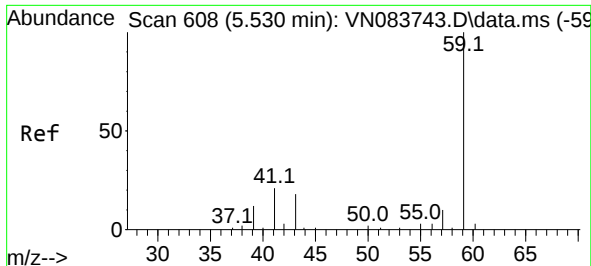
Tgt Ion: 94 Resp: 216
Ion Ratio Lower Upper
94 100
96 0.0 76.0 114.0#



#6
Chloroethane
Concen: 1.010 ug/l
RT: 3.007 min Scan# 179
Delta R.T. -0.077 min
Lab File: VN083780.D
Acq: 11 Sep 2024 08:26

Tgt Ion: 64 Resp: 854
Ion Ratio Lower Upper
64 100
66 0.0 23.9 35.9#

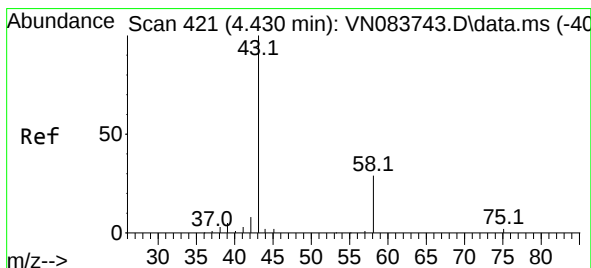
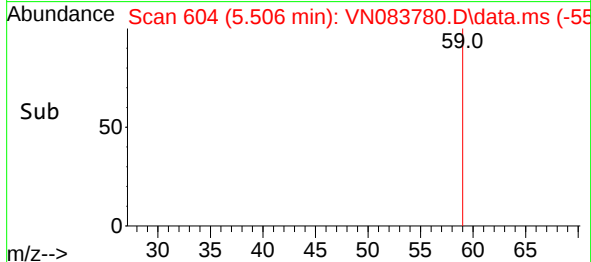
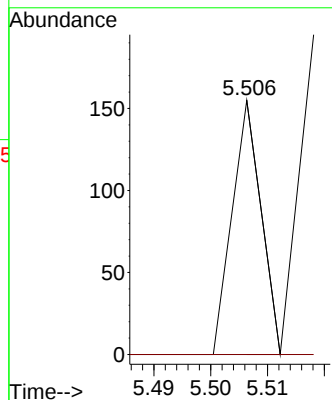
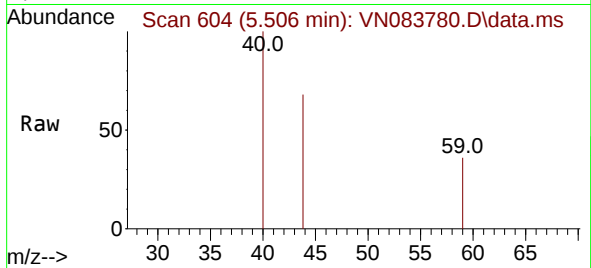




#11
Tert butyl alcohol
Concen: 0.285 ug/l
RT: 5.506 min Scan# 608
Delta R.T. -0.023 min
Lab File: VN083780.D
Acq: 11 Sep 2024 08:26

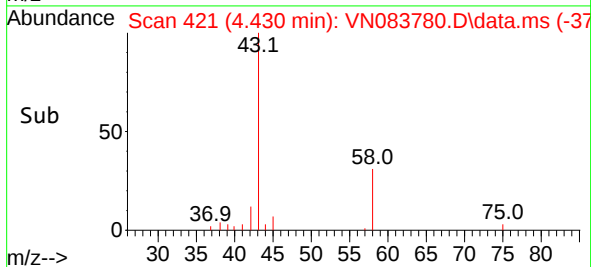
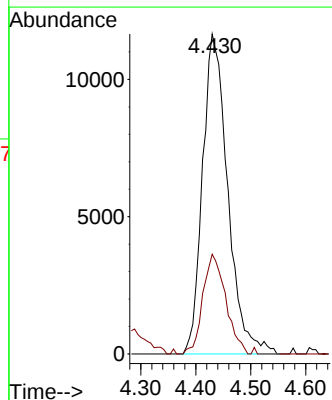
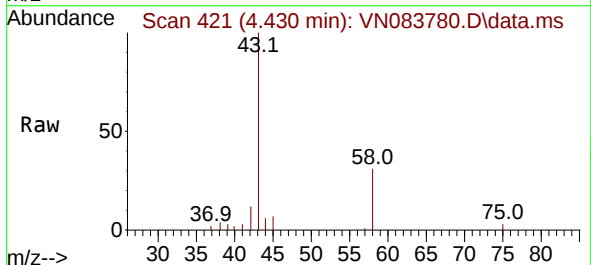
Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#10

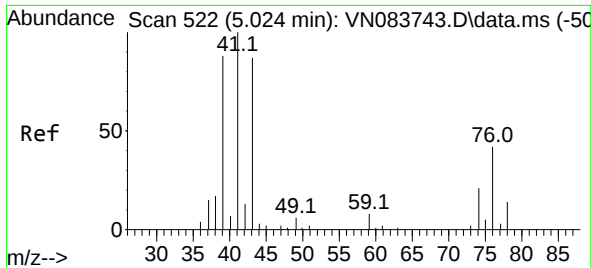
Tgt Ion: 59 Resp: 55
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#16
Acetone
Concen: 64.163 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.000 min
Lab File: VN083780.D
Acq: 11 Sep 2024 08:26

Tgt Ion: 43 Resp: 37129
Ion Ratio Lower Upper
43 100
58 31.2 23.7 35.5

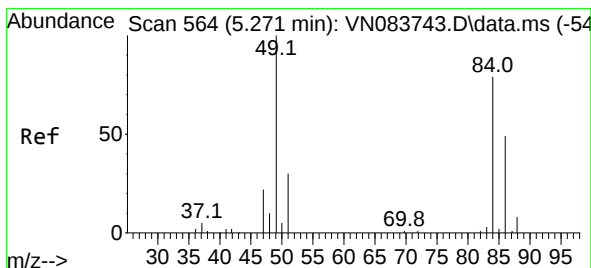
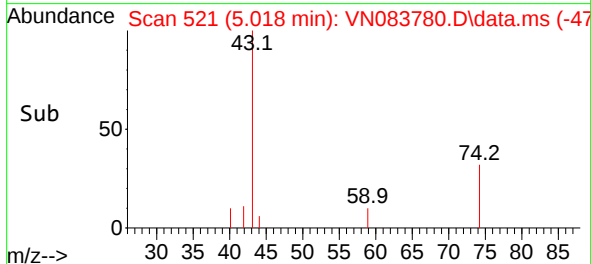
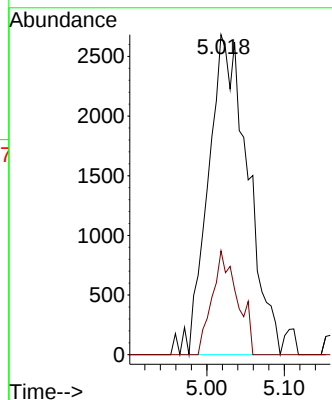
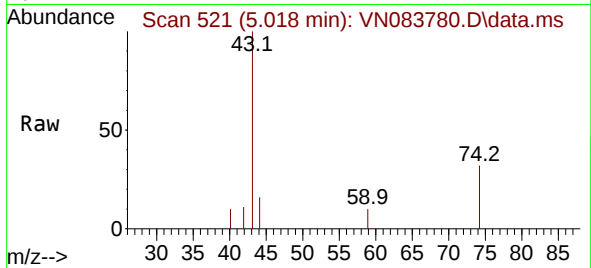




#18
Methyl Acetate
Concen: 6.239 ug/l
RT: 5.018 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN083780.D
Acq: 11 Sep 2024 08:26

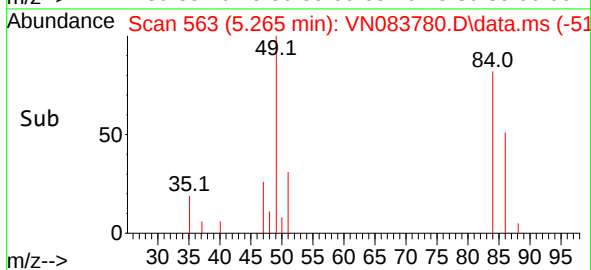
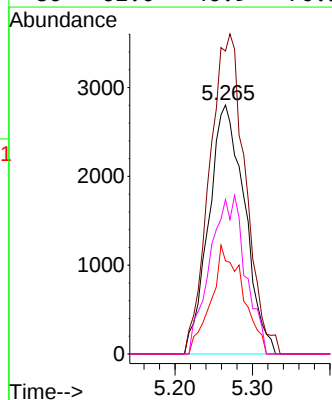
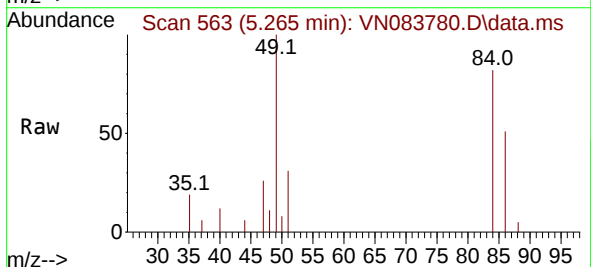
Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#10

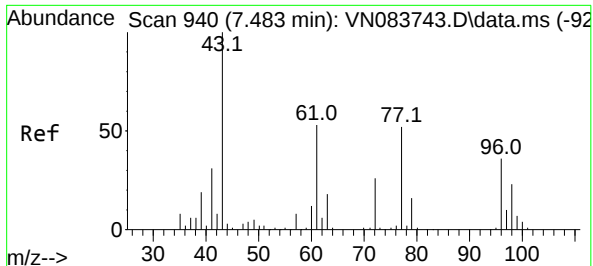
Tgt Ion: 43 Resp: 9480
Ion Ratio Lower Upper
43 100
74 20.8 19.0 28.4



#20
Methylene Chloride
Concen: 7.610 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.006 min
Lab File: VN083780.D
Acq: 11 Sep 2024 08:26

Tgt Ion: 84 Resp: 9011
Ion Ratio Lower Upper
84 100
49 121.7 93.4 140.0
51 37.4 29.2 43.8
86 62.0 46.9 70.3

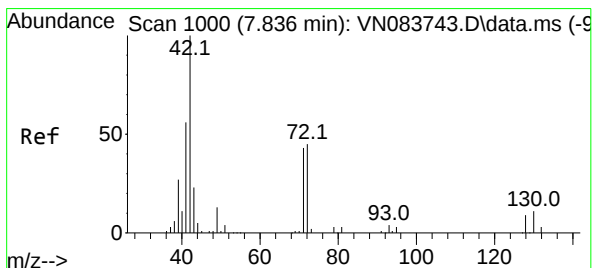
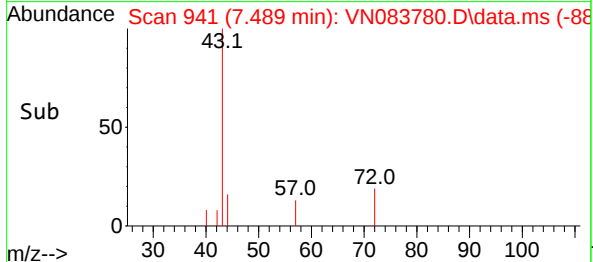
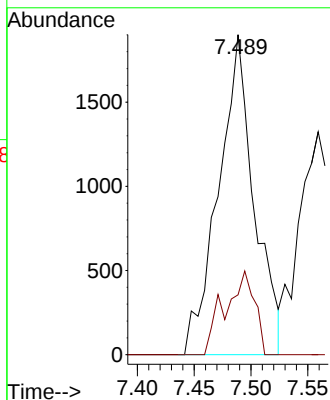
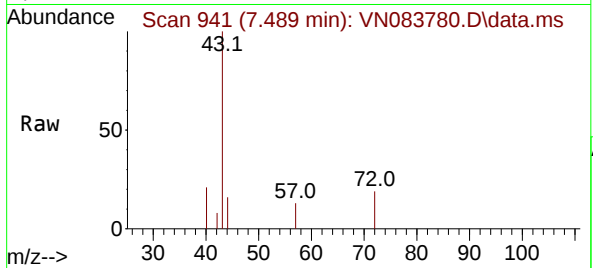




#25
2-Butanone
Concen: 5.453 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN083780.D
Acq: 11 Sep 2024 08:26

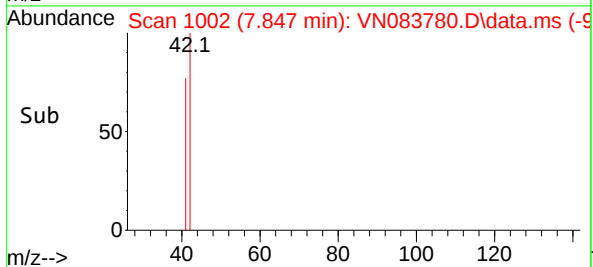
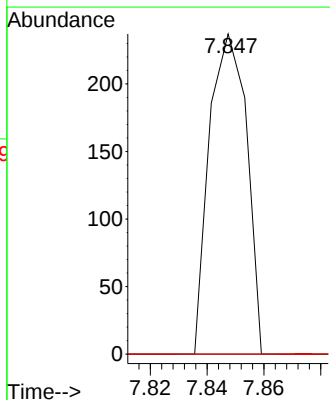
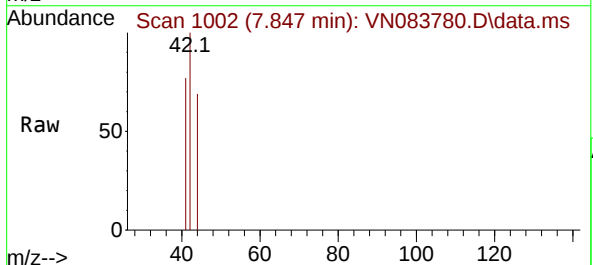
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ClientSampleId :
PB163204ZHE#10

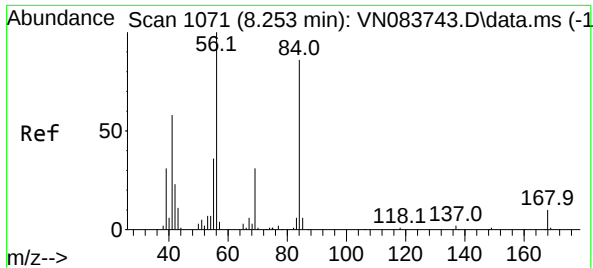
Tgt Ion: 43 Resp: 4147
Ion Ratio Lower Upper
43 100
72 18.7 20.8 31.2#



#29
Tetrahydrofuran
Concen: 0.480 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.012 min
Lab File: VN083780.D
Acq: 11 Sep 2024 08:26

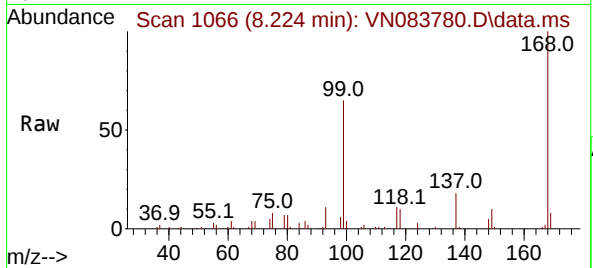
Tgt Ion: 42 Resp: 216
Ion Ratio Lower Upper
42 100
72 0.0 35.9 53.9#
71 0.0 33.9 50.9#



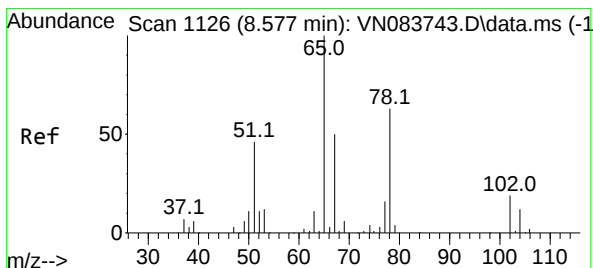
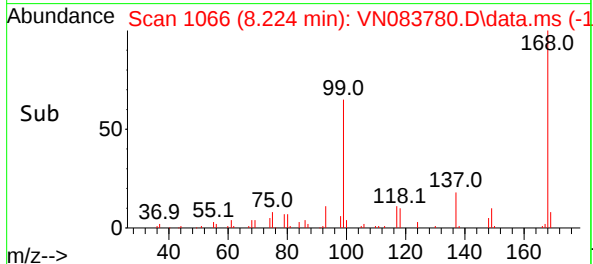
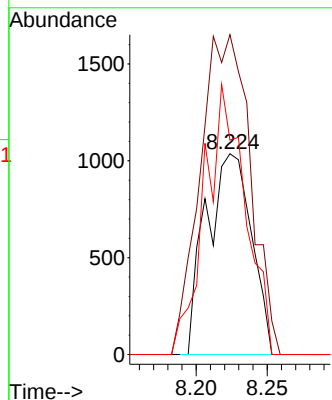


#31
Cyclohexane
Concen: 1.102 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN083780.D
Acq: 11 Sep 2024 08:26

Instrument :
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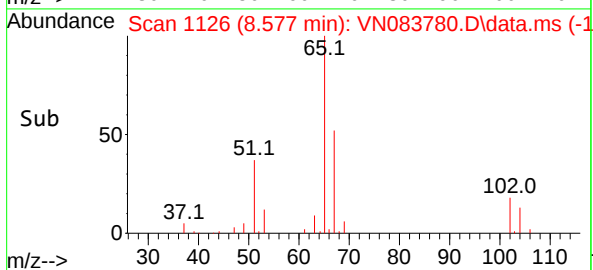
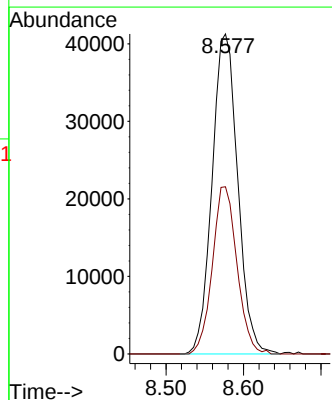
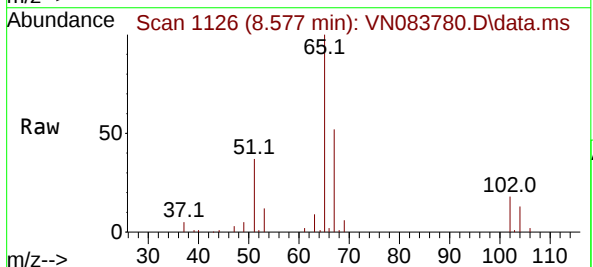


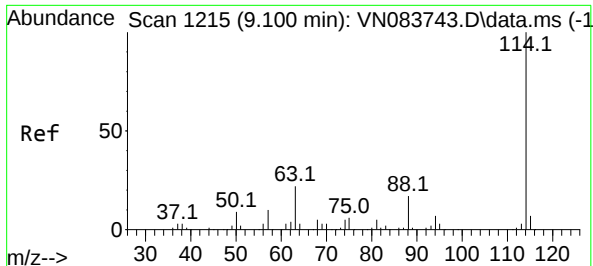
Tgt Ion: 56 Resp: 2300
Ion Ratio Lower Upper
56 100
69 159.2 26.9 40.3#
84 106.8 69.2 103.8#



#33
1,2-Dichloroethane-d4
Concen: 65.872 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN083780.D
Acq: 11 Sep 2024 08:26

Tgt Ion: 65 Resp: 95087
Ion Ratio Lower Upper
65 100
67 50.1 0.0 100.8

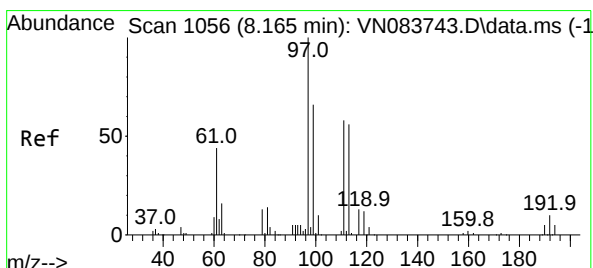
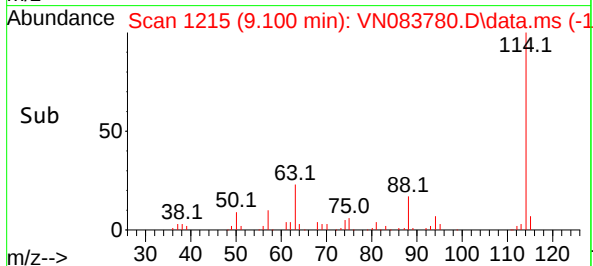
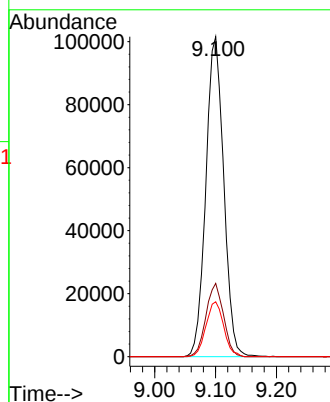
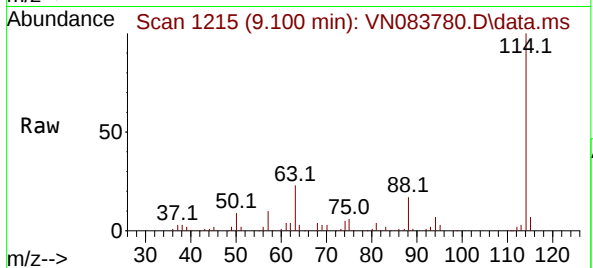




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN083780.D
Acq: 11 Sep 2024 08:26

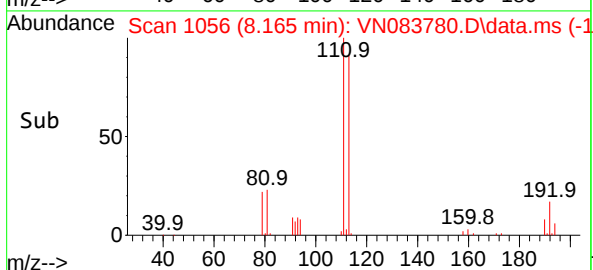
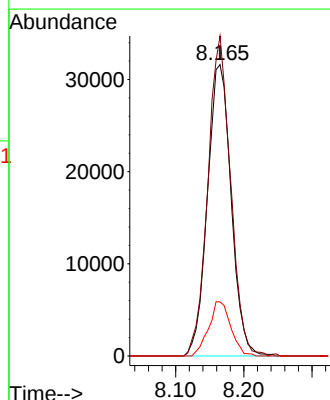
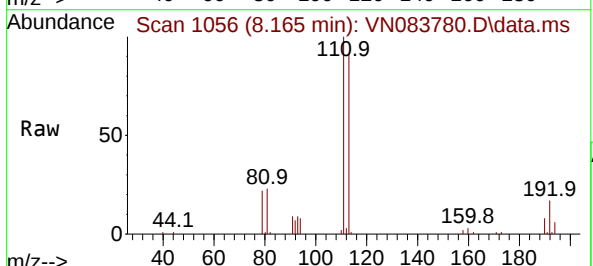
Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#10

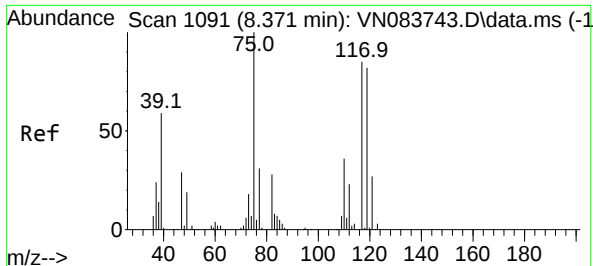
Tgt Ion:114 Resp: 206910
Ion Ratio Lower Upper
114 100
63 22.9 0.0 43.4
88 17.2 0.0 32.6



#35
Dibromofluoromethane
Concen: 57.791 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN083780.D
Acq: 11 Sep 2024 08:26

Tgt Ion:113 Resp: 76550
Ion Ratio Lower Upper
113 100
111 105.0 82.6 124.0
192 17.4 14.3 21.5





#36

1,1-Dichloropropene

Concen: 4.454 ug/l

RT: 8.212 min Scan# 1064

Delta R.T. -0.159 min

Lab File: VN083780.D

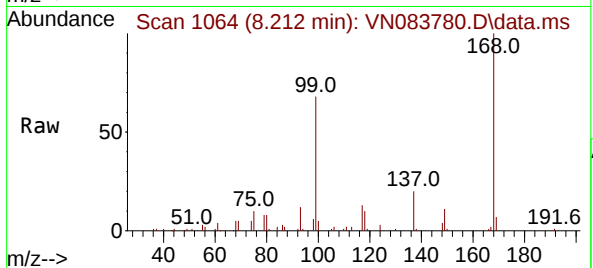
Acq: 11 Sep 2024 08:26

Instrument :

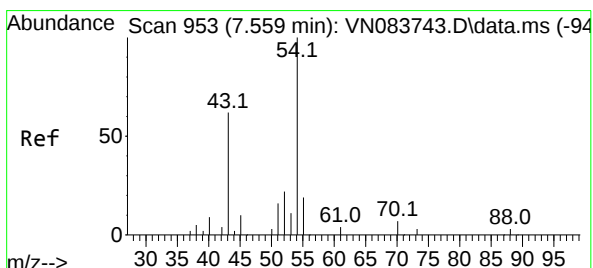
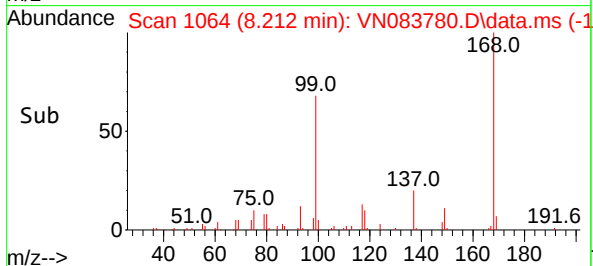
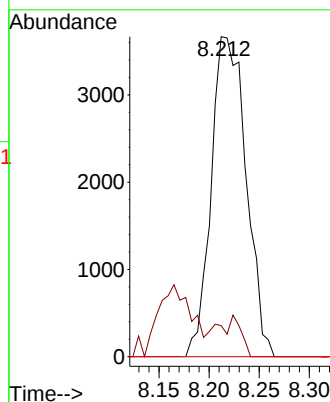
MSVOA_N

ClientSampleId :

PB163204ZHE#10



Tgt Ion:	75	Resp:	8880
Ion	Ratio	Lower	Upper
75	100		
110	8.0	16.7	50.1#
77	0.0	25.2	37.8#



#37

Ethyl Acetate

Concen: 1.951 ug/l

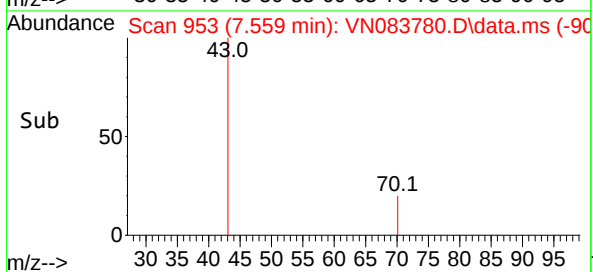
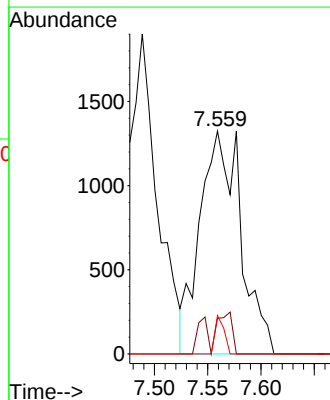
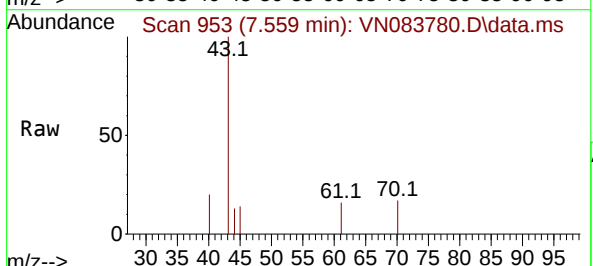
RT: 7.559 min Scan# 953

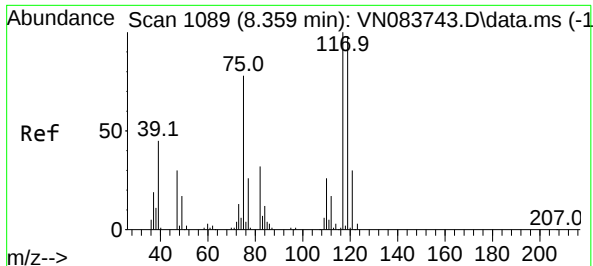
Delta R.T. 0.000 min

Lab File: VN083780.D

Acq: 11 Sep 2024 08:26

Tgt Ion:	43	Resp:	3531
Ion	Ratio	Lower	Upper
43	100		
61	6.8	11.1	16.7#
70	3.8	8.8	13.2#

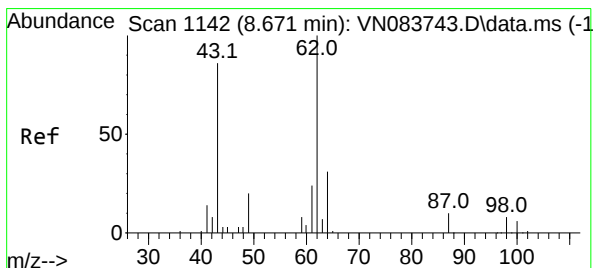
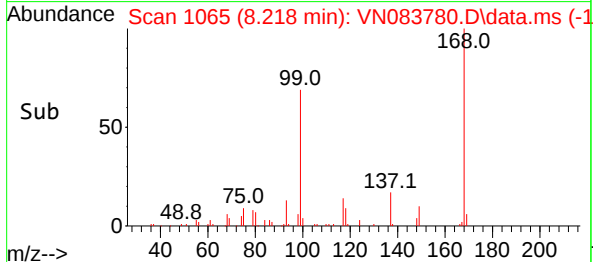
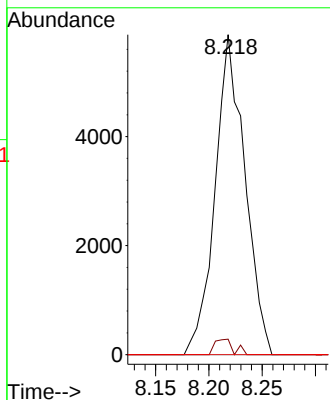
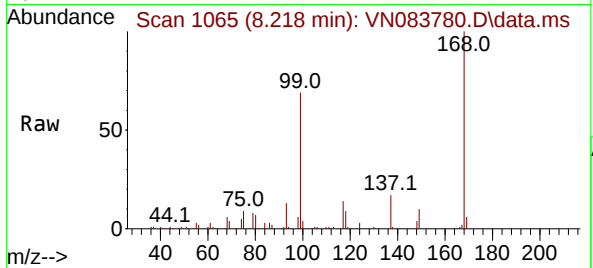




#38
Carbon Tetrachloride
Concen: 5.045 ug/l
RT: 8.218 min Scan# 1105
Delta R.T. -0.141 min
Lab File: VN083780.D
Acq: 11 Sep 2024 08:26

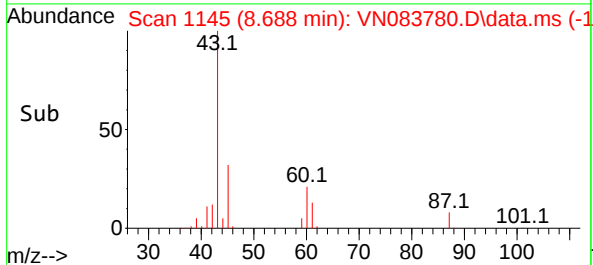
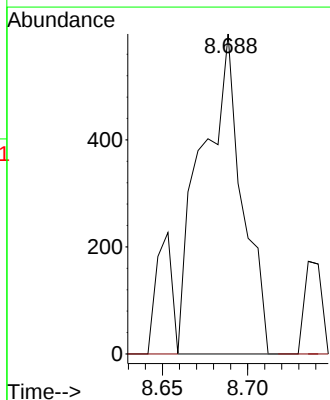
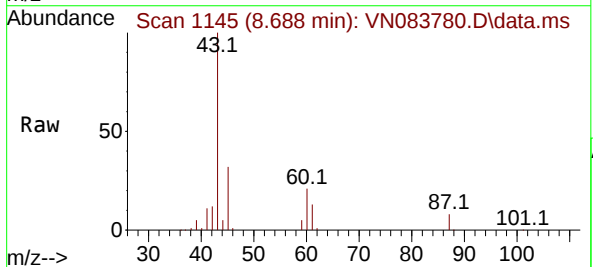
Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#10

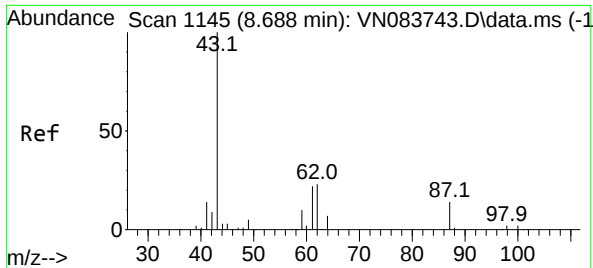
Tgt Ion:117 Resp: 11412
Ion Ratio Lower Upper
117 100
119 4.9 76.1 114.1#
121 0.0 24.1 36.1#



#42
1,2-Dichloroethane
Concen: 0.442 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.018 min
Lab File: VN083780.D
Acq: 11 Sep 2024 08:26

Tgt Ion: 62 Resp: 991
Ion Ratio Lower Upper
62 100
98 0.0 0.0 16.6

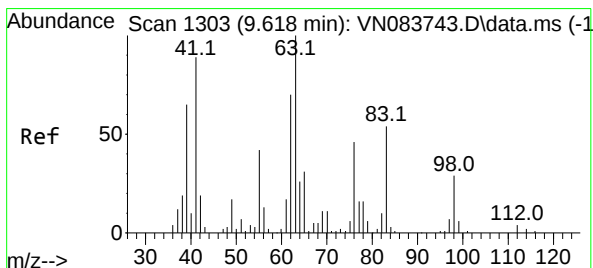
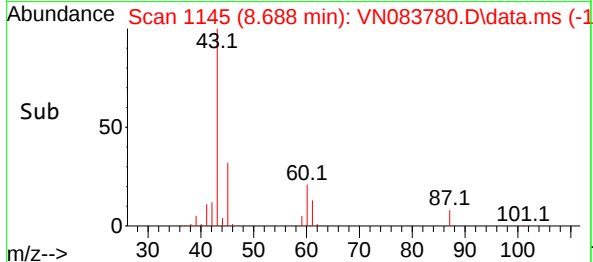
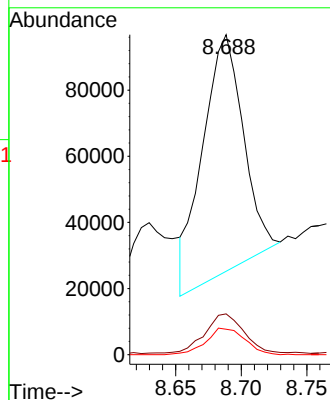
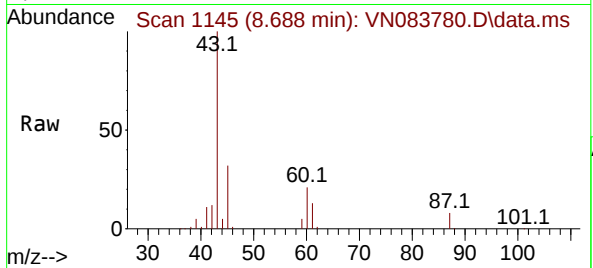




#43
Isopropyl Acetate
Concen: 47.918 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN083780.D
Acq: 11 Sep 2024 08:26

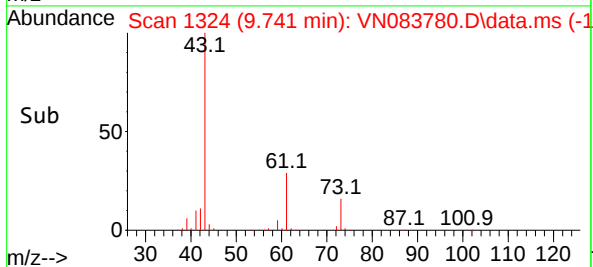
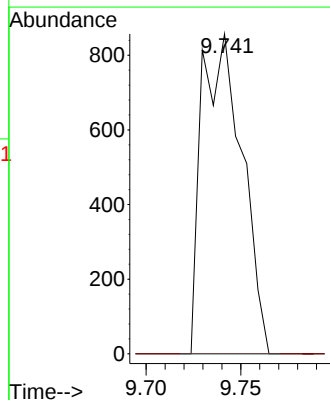
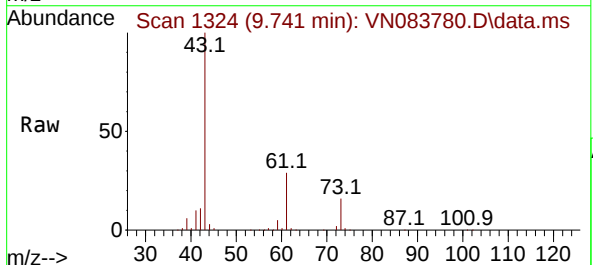
Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#10

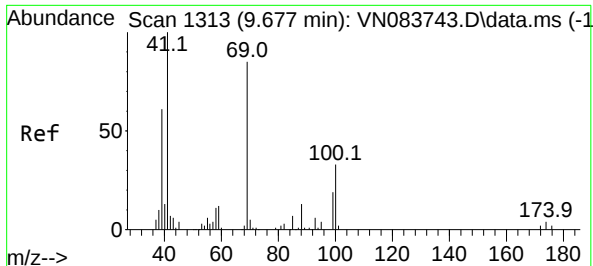
Tgt Ion: 43 Resp: 157146
Ion Ratio Lower Upper
43 100
61 17.7 19.4 29.0#
87 10.5 9.8 14.6



#45
1,2-Dichloropropane
Concen: 0.876 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.124 min
Lab File: VN083780.D
Acq: 11 Sep 2024 08:26

Tgt Ion: 63 Resp: 1271
Ion Ratio Lower Upper
63 100
65 0.0 25.9 38.9#

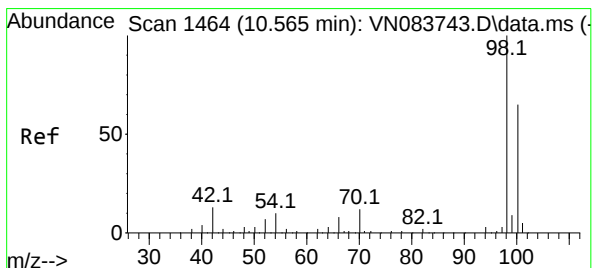
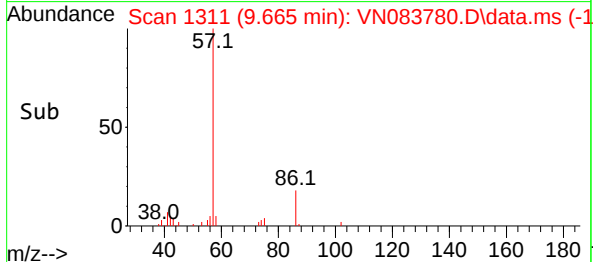
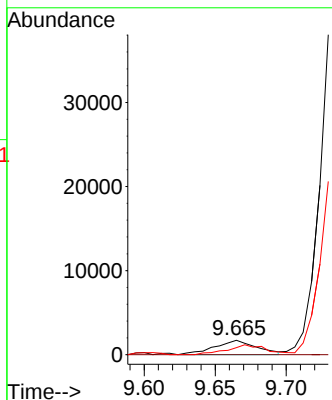
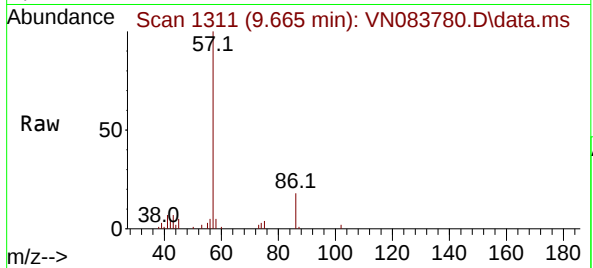




#48
Methyl methacrylate
Concen: 2.253 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN083780.D
Acq: 11 Sep 2024 08:26

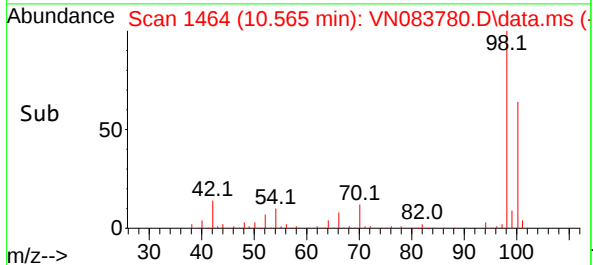
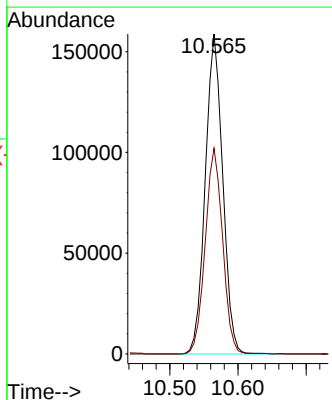
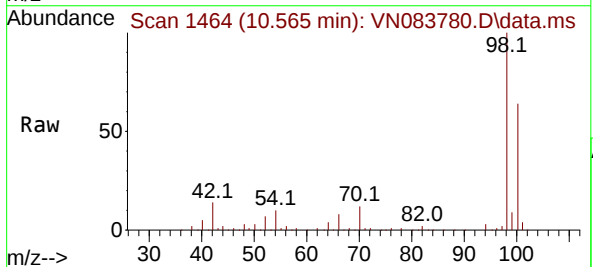
Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#10

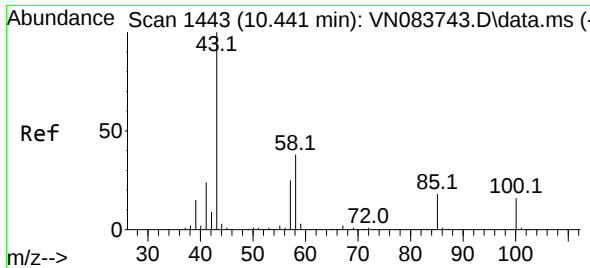
Tgt Ion: 41 Resp: 3505
Ion Ratio Lower Upper
41 100
69 0.0 64.3 96.5#
39 63.4 48.9 73.3



#50
Toluene-d8
Concen: 61.726 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN083780.D
Acq: 11 Sep 2024 08:26

Tgt Ion: 98 Resp: 282659
Ion Ratio Lower Upper
98 100
100 64.1 52.0 78.0

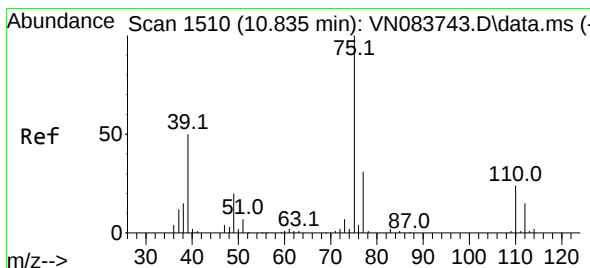
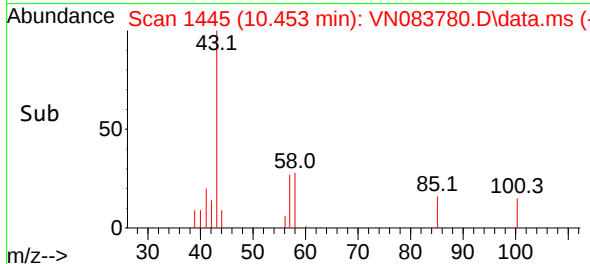
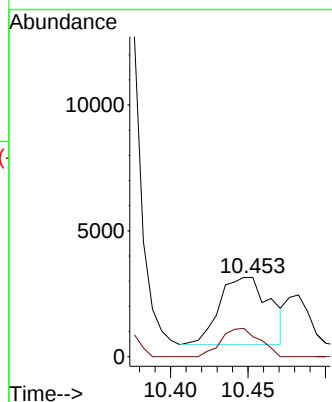
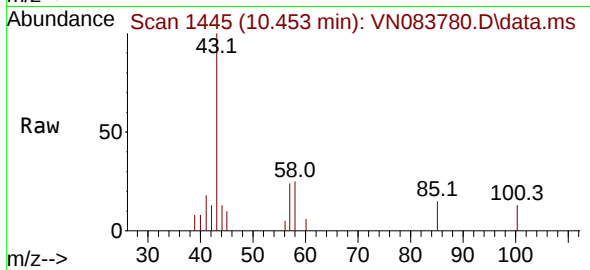




#51
4-Methyl-2-Pentanone
Concen: 3.400 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.012 min
Lab File: VN083780.D
Acq: 11 Sep 2024 08:26

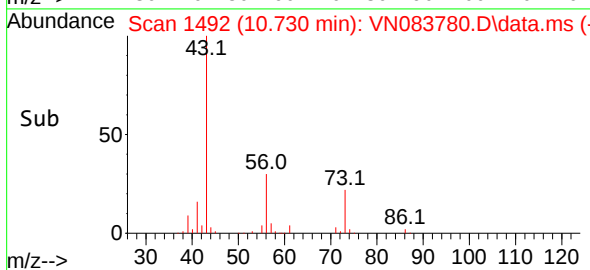
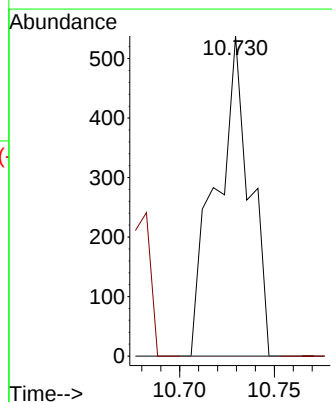
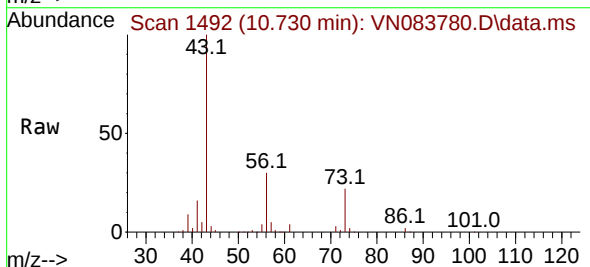
Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#10

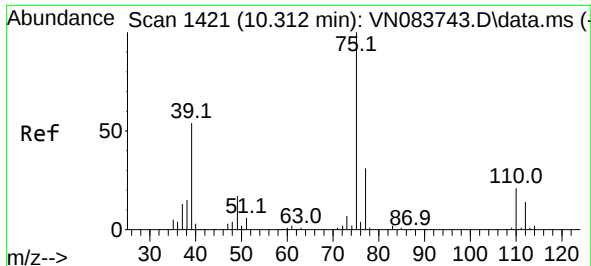
Tgt Ion: 43 Resp: 6070
Ion Ratio Lower Upper
43 100
58 31.8 31.6 47.4



#53
t-1,3-Dichloropropene
Concen: 0.298 ug/l
RT: 10.730 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN083780.D
Acq: 11 Sep 2024 08:26

Tgt Ion: 75 Resp: 664
Ion Ratio Lower Upper
75 100
77 0.0 25.8 38.6#

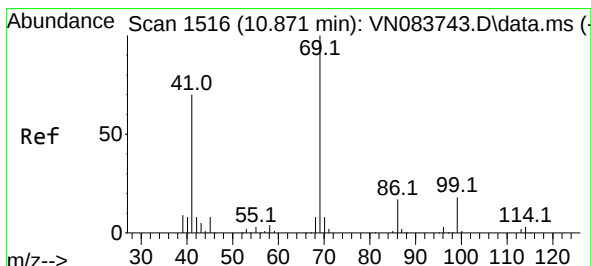
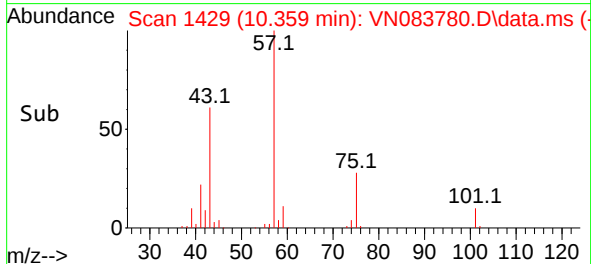
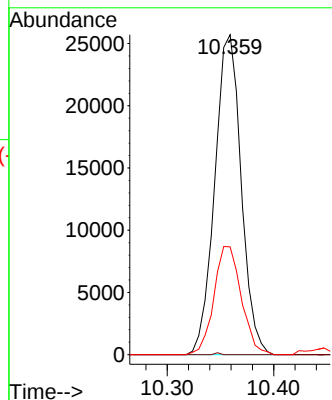
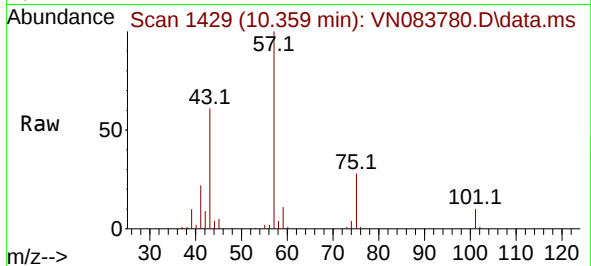




#54
 cis-1,3-Dichloropropene
 Concen: 18.893 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN083780.D
 Acq: 11 Sep 2024 08:26

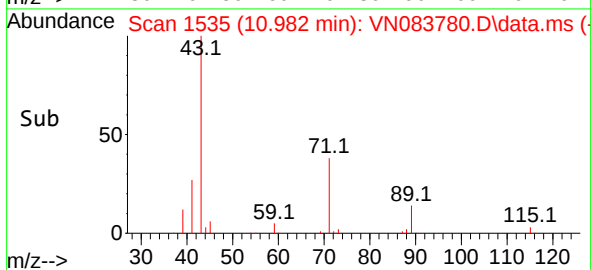
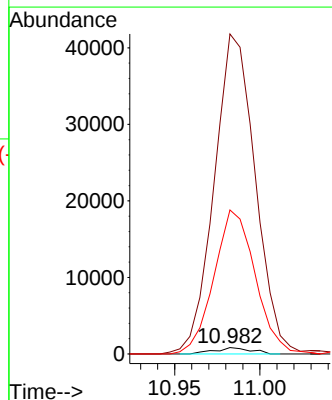
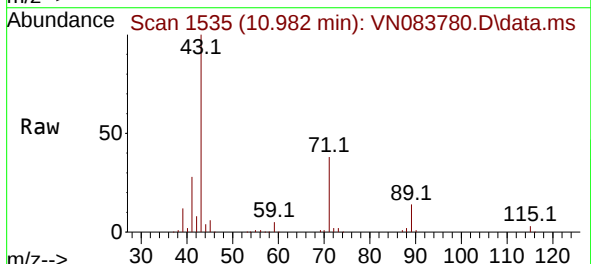
Instrument :
 MSVOA_N
 ClientSampleId :
 PB163204ZHE#10

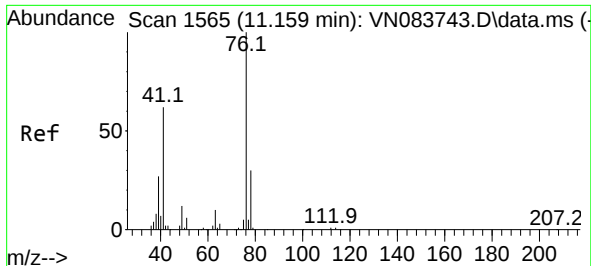
Tgt Ion: 75 Resp: 44228
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.6#
 39 33.7 42.6 64.0#



#56
 Ethyl methacrylate
 Concen: 0.584 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.112 min
 Lab File: VN083780.D
 Acq: 11 Sep 2024 08:26

Tgt Ion: 69 Resp: 1231
 Ion Ratio Lower Upper
 69 100
 41 5731.6 53.9 80.9#
 39 2574.9 32.6 48.8#





#57

1,3-Dichloropropane

Concen: 2.569 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN083780.D

Acq: 11 Sep 2024 08:26

Instrument :

MSVOA_N

ClientSampleId :

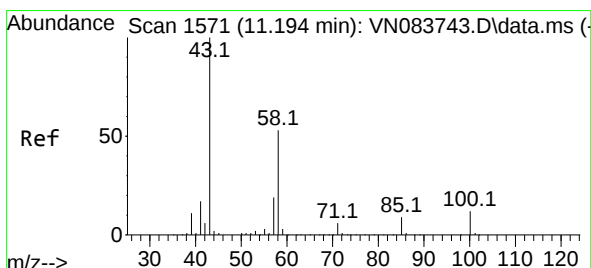
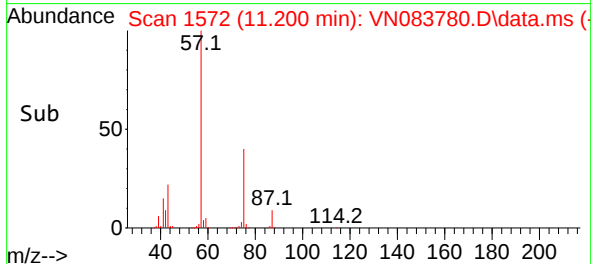
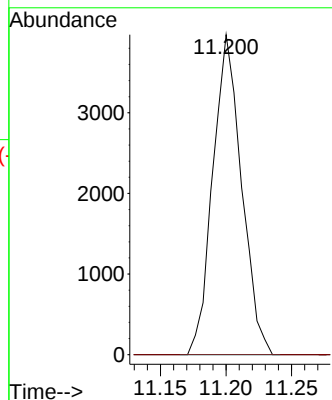
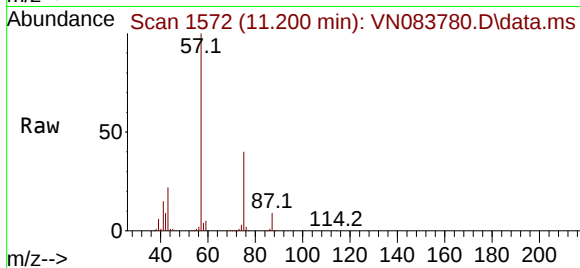
PB163204ZHE#10

Tgt Ion: 76 Resp: 6050

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 55.038 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN083780.D

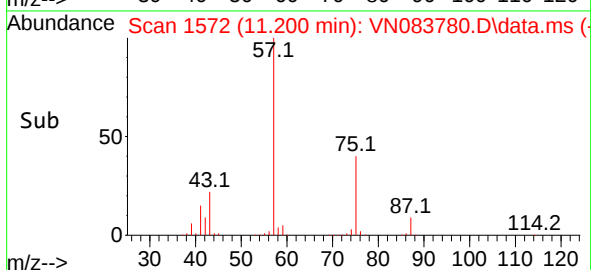
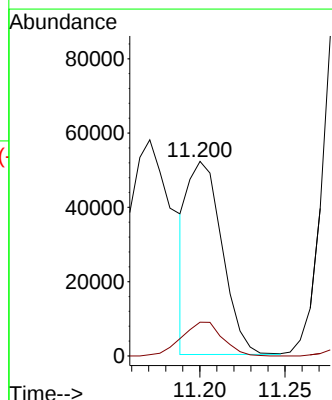
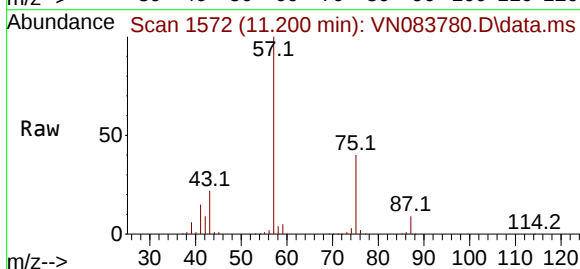
Acq: 11 Sep 2024 08:26

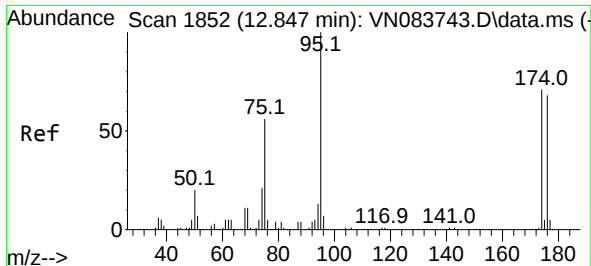
Tgt Ion: 43 Resp: 72679

Ion Ratio Lower Upper

43 100

58 21.0 27.2 81.5#

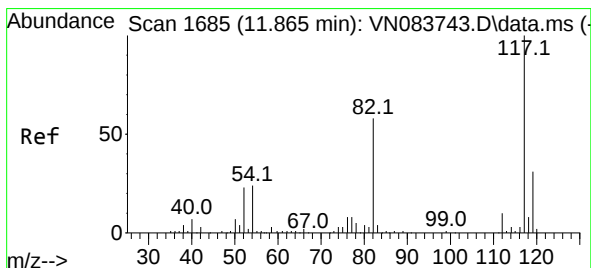
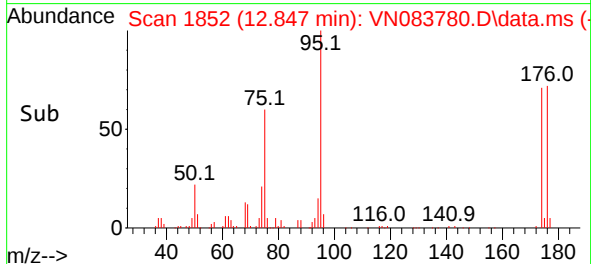
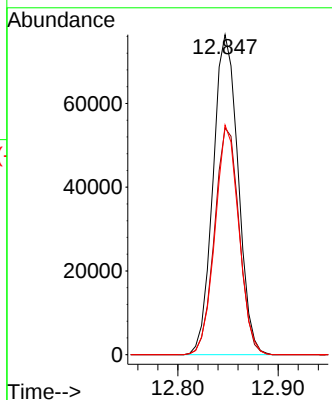
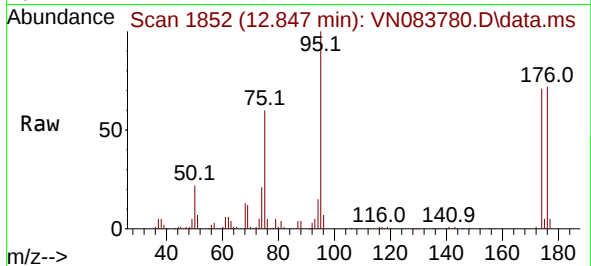




#62
4-Bromofluorobenzene
Concen: 69.983 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN083780.D
Acq: 11 Sep 2024 08:26

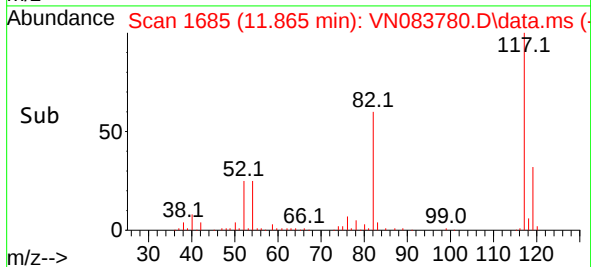
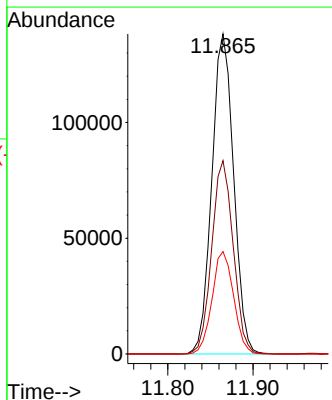
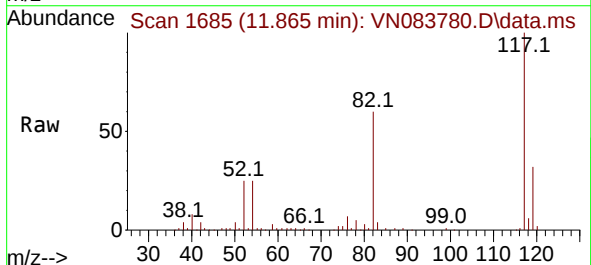
Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#10

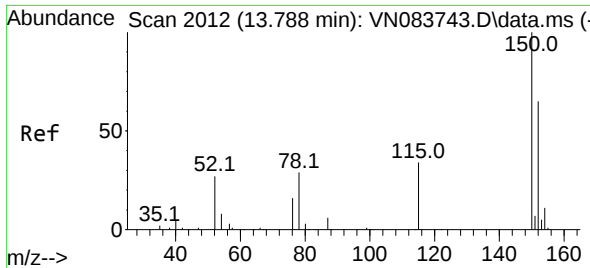
Tgt Ion: 95 Resp: 132219
Ion Ratio Lower Upper
95 100
174 69.8 0.0 139.8
176 68.4 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN083780.D
Acq: 11 Sep 2024 08:26

Tgt Ion: 117 Resp: 245786
Ion Ratio Lower Upper
117 100
82 60.4 47.4 71.0
119 32.0 26.3 39.5

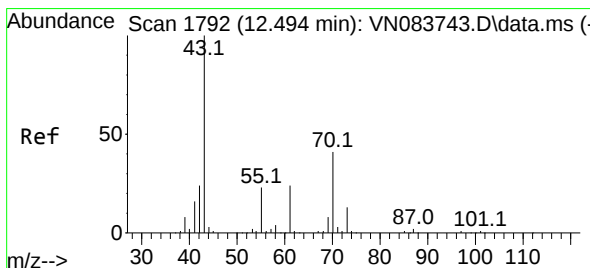
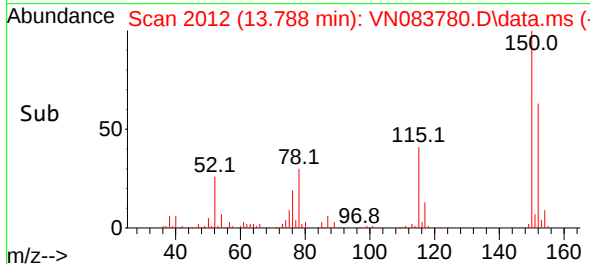
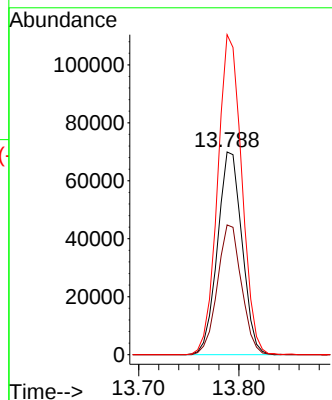
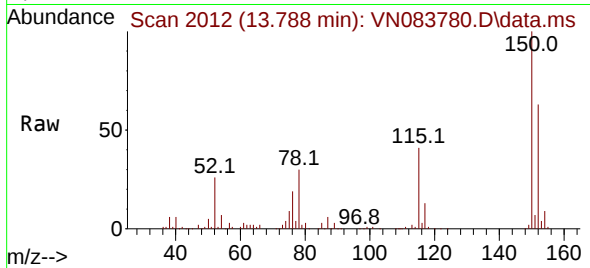




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN083780.D
Acq: 11 Sep 2024 08:26

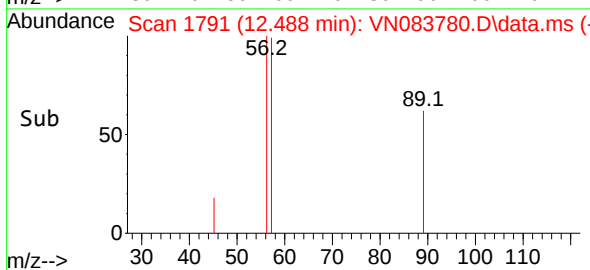
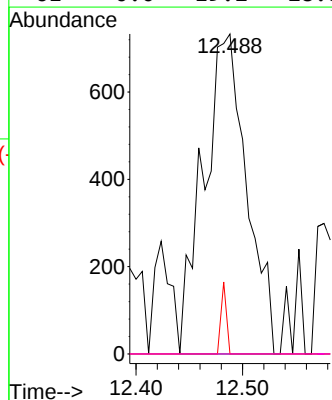
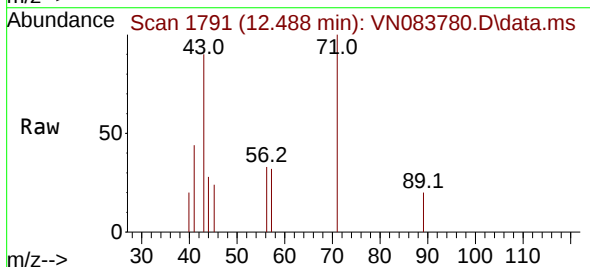
Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#10

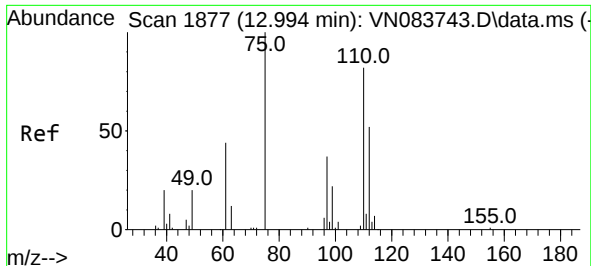
Tgt Ion:152 Resp: 118660
Ion Ratio Lower Upper
152 100
115 62.8 32.2 96.6
150 155.7 0.0 348.6



#74
N-ethyl acetate
Concen: 0.528 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.006 min
Lab File: VN083780.D
Acq: 11 Sep 2024 08:26

Tgt Ion: 43 Resp: 2069
Ion Ratio Lower Upper
43 100
70 0.0 34.5 51.7#
55 2.8 18.6 28.0#
61 0.0 19.2 28.8#

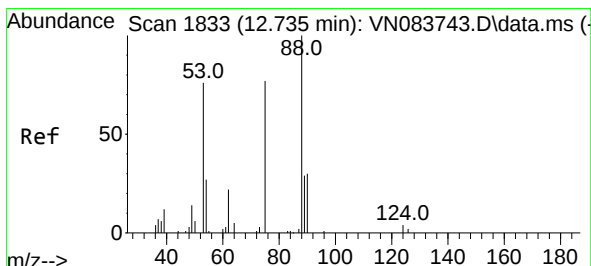
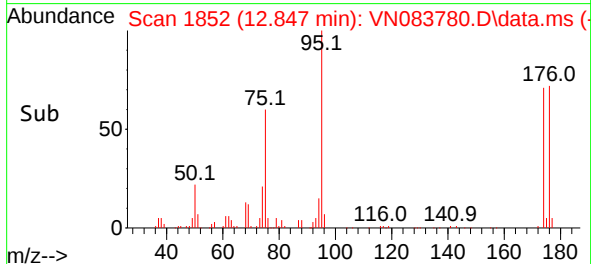
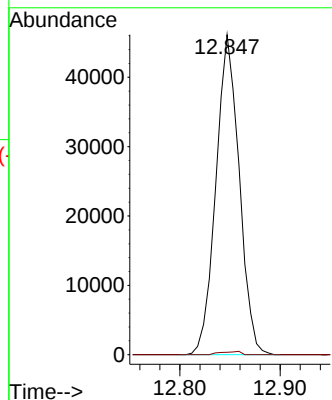
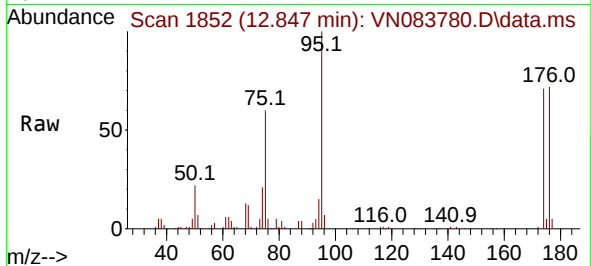




#76
1,2,3-Trichloropropane
Concen: 31.040 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083780.D
Acq: 11 Sep 2024 08:26

Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#10

Tgt Ion: 75 Resp: 74319
Ion Ratio Lower Upper
75 100
77 0.9 95.2 285.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.295 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083780.D
Acq: 11 Sep 2024 08:26

Tgt Ion: 75 Resp: 74319
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#

