

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091024\
 Data File : VN083775.D
 Acq On : 11 Sep 2024 06:26
 Operator : JC\MD
 Sample : PB163204ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB163204ZHE#05

Quant Time: Sep 11 06:52:44 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	95937	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	213548	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	250131	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	121289	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	98574	68.142	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 136.280%#			
35) Dibromofluoromethane	8.165	113	77365	56.590	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 113.180%			
50) Toluene-d8	10.565	98	290118	61.385	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 122.780%#			
62) 4-Bromofluorobenzene	12.847	95	135422	69.451	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 138.900%#			
Target Compounds			Qvalue			
3) Chloromethane	2.354	50	724	Below Cal	#	41
5) Bromomethane	2.901	94	142	0.203	ug/l #	2
11) Tert butyl alcohol	5.530	59	135	0.697	ug/l #	71
13) Acrolein	4.171	56	54	0.283	ug/l #	21
16) Acetone	4.430	43	29836	51.450	ug/l	90
18) Methyl Acetate	5.018	43	8814	5.649	ug/l	96
20) Methylene Chloride	5.271	84	7032	5.926	ug/l	93
25) 2-Butanone	7.483	43	3592	4.713	ug/l	99
31) Cyclohexane	8.218	56	2776	1.328	ug/l #	32
36) 1,1-Dichloropropene	8.224	75	8492	4.127	ug/l #	51
37) Ethyl Acetate	7.577	43	3034	1.624	ug/l #	73
38) Carbon Tetrachloride	8.218	117	11671	4.999	ug/l #	19
42) 1,2-Dichloroethane	8.683	62	1036	0.448	ug/l #	77
43) Isopropyl Acetate	8.688	43	168871	49.893	ug/l #	85
45) 1,2-Dichloropropane	9.747	63	1264	0.844	ug/l #	42
48) Methyl methacrylate	9.665	41	3347	2.084	ug/l #	47
51) 4-Methyl-2-Pentanone	10.441	43	5599	3.039	ug/l #	86
53) t-1,3-Dichloropropene	10.730	75	751	0.327	ug/l #	42
54) cis-1,3-Dichloropropene	10.353	75	41831	17.314	ug/l #	61
56) Ethyl methacrylate	10.988	69	1072	0.493	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5560	2.287	ug/l #	42
59) 2-Hexanone	11.200	43	66379	48.704	ug/l #	53
74) N-amyl acetate	12.494	43	1985	0.496	ug/l #	43
76) 1,2,3-Trichloropropane	12.847	75	76344	31.194	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	76344	81.700	ug/l #	9

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

Quant Time: Sep 11 06:52:44 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

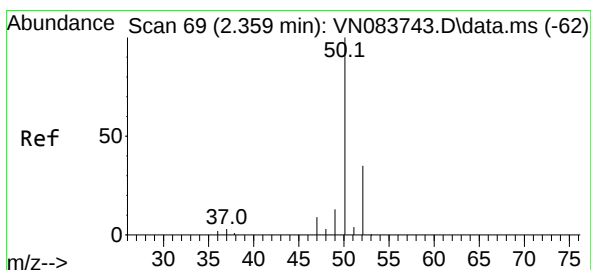
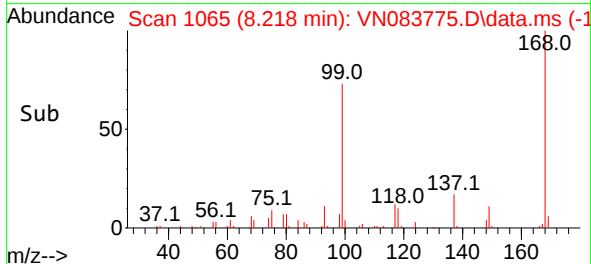
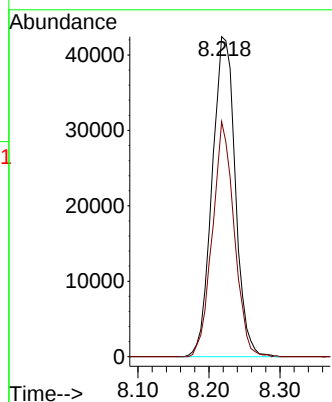
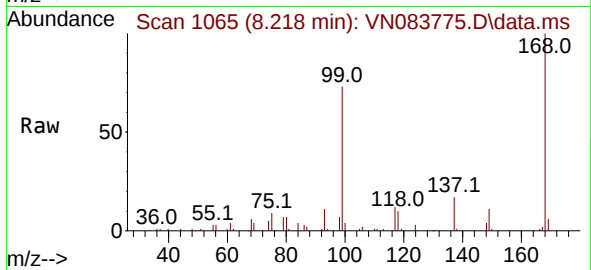




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN083775.D
Acq: 11 Sep 2024 06:26

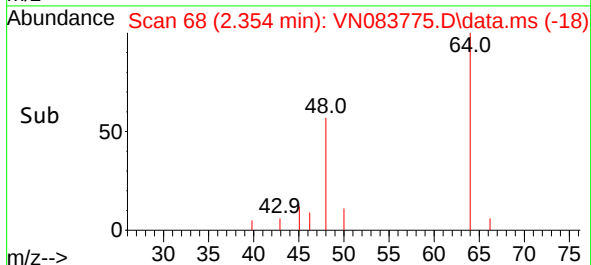
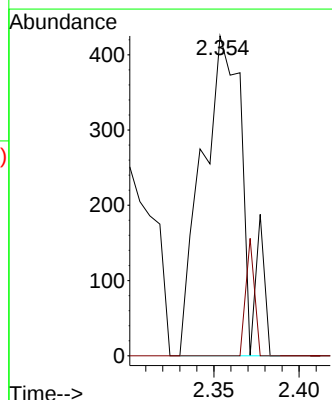
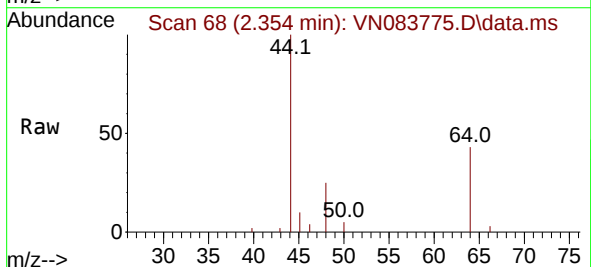
Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#05

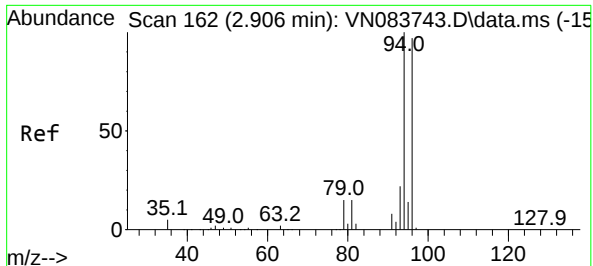
Tgt Ion:168 Resp: 95937
Ion Ratio Lower Upper
168 100
99 73.5 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.354 min Scan# 68
Delta R.T. -0.005 min
Lab File: VN083775.D
Acq: 11 Sep 2024 06:26

Tgt Ion: 50 Resp: 724
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#

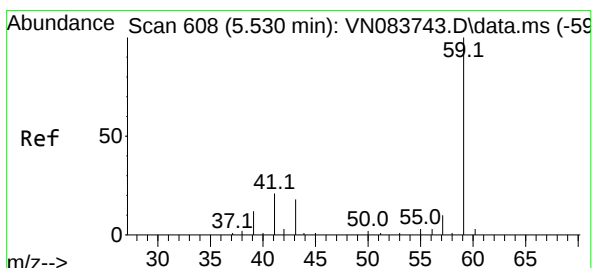
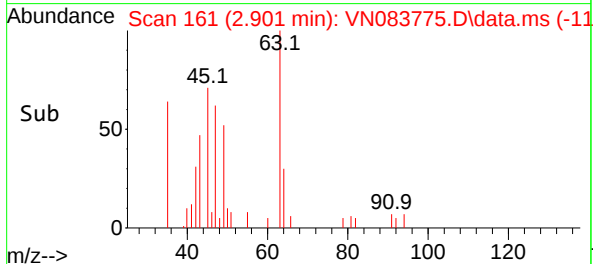
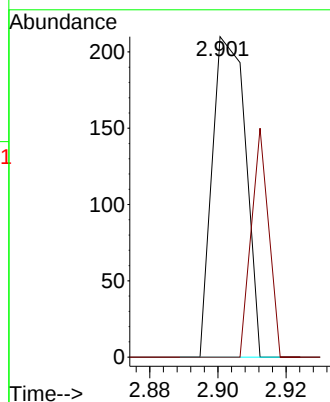
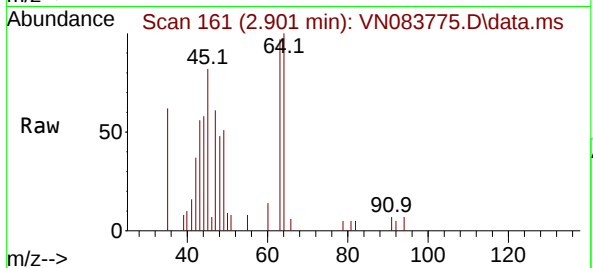




#5
Bromomethane
Concen: 0.203 ug/l
RT: 2.901 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN083775.D
Acq: 11 Sep 2024 06:26

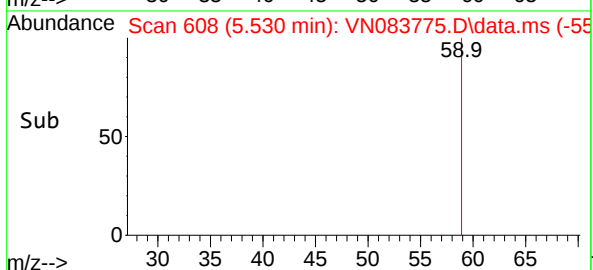
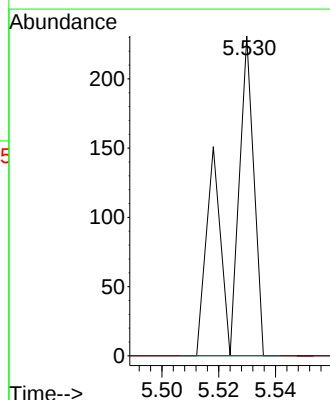
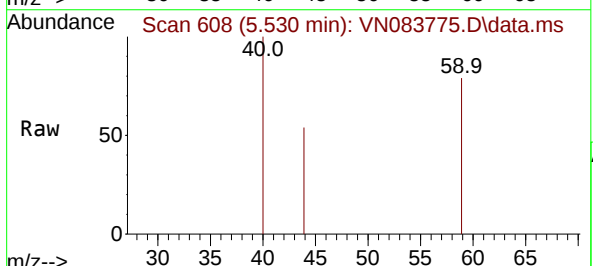
Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#05

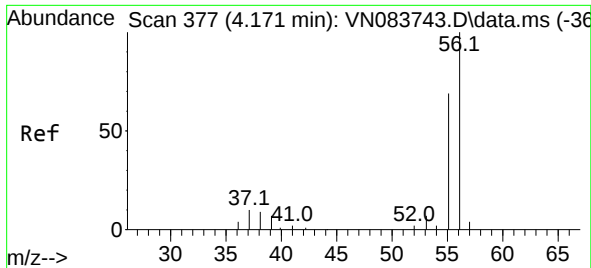
Tgt Ion: 94 Resp: 142
Ion Ratio Lower Upper
94 100
96 0.0 76.0 114.0#



#11
Tert butyl alcohol
Concen: 0.697 ug/l
RT: 5.530 min Scan# 608
Delta R.T. 0.000 min
Lab File: VN083775.D
Acq: 11 Sep 2024 06:26

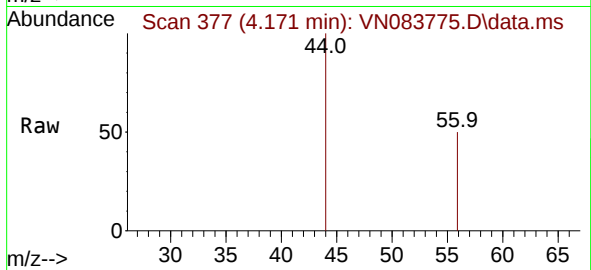
Tgt Ion: 59 Resp: 135
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



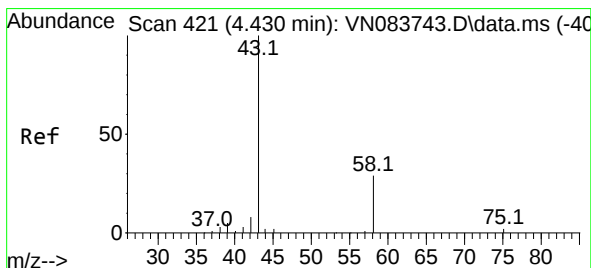
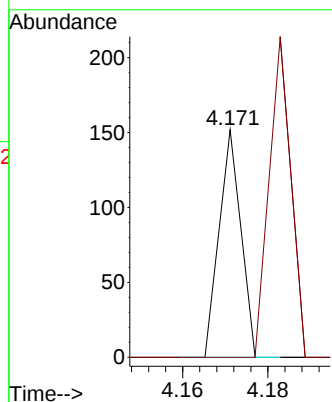
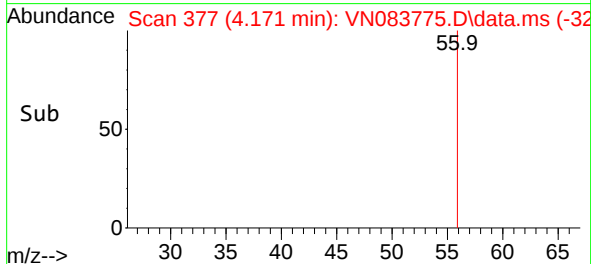


#13
Acrolein
Concen: 0.283 ug/l
RT: 4.171 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN083775.D
Acq: 11 Sep 2024 06:26

Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#05

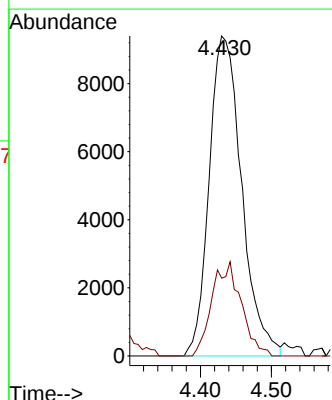
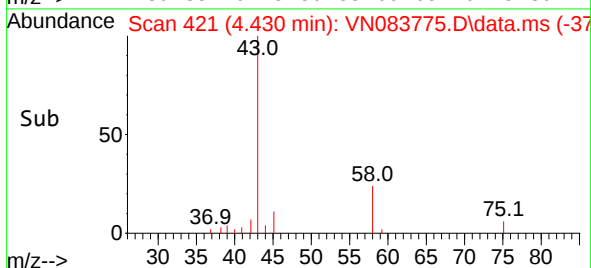
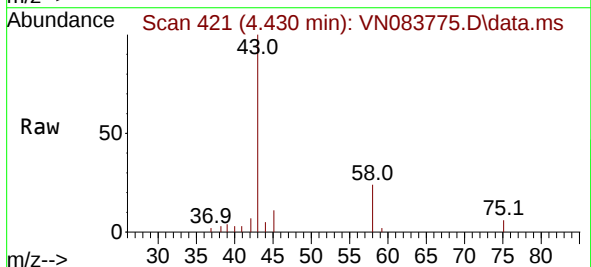


Tgt Ion: 56 Resp: 54
Ion Ratio Lower Upper
56 100
55 138.9 58.2 87.2#



#16
Acetone
Concen: 51.450 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.000 min
Lab File: VN083775.D
Acq: 11 Sep 2024 06:26

Tgt Ion: 43 Resp: 29836
Ion Ratio Lower Upper
43 100
58 24.3 23.7 35.5





#18

Methyl Acetate

Concen: 5.649 ug/l

RT: 5.018 min Scan# 51

Delta R.T. -0.006 min

Lab File: VN083775.D

Acq: 11 Sep 2024 06:26

Instrument :

MSVOA_N

ClientSampleId :

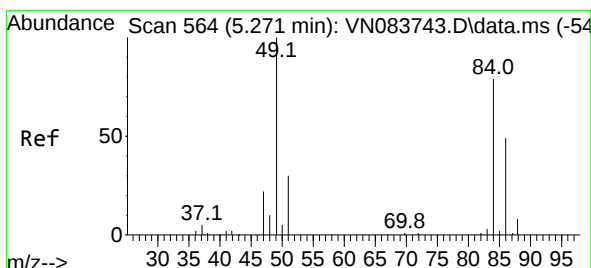
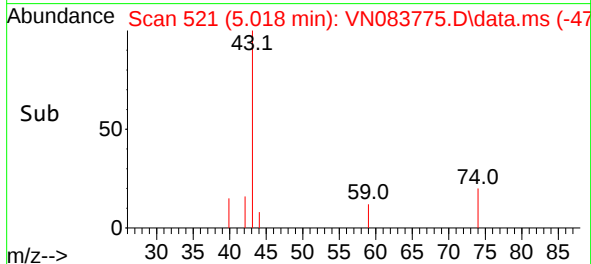
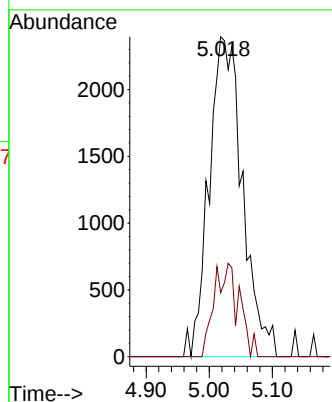
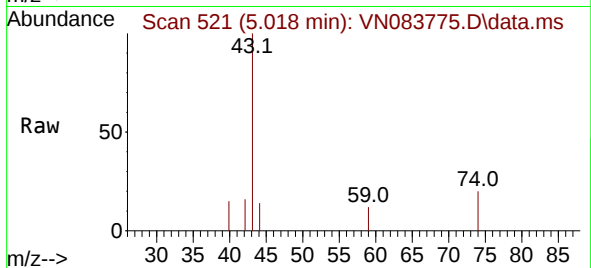
PB163204ZHE#05

Tgt Ion: 43 Resp: 8814

Ion Ratio Lower Upper

43 100

74 21.6 19.0 28.4



#20

Methylene Chloride

Concen: 5.926 ug/l

RT: 5.271 min Scan# 564

Delta R.T. 0.000 min

Lab File: VN083775.D

Acq: 11 Sep 2024 06:26

Tgt Ion: 84 Resp: 7032

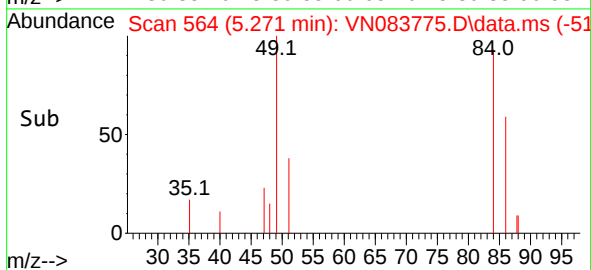
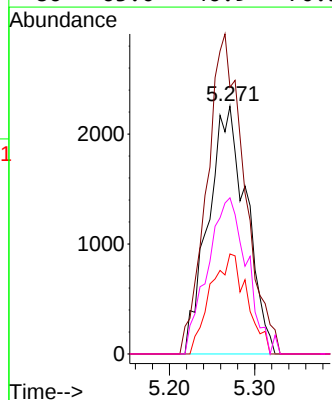
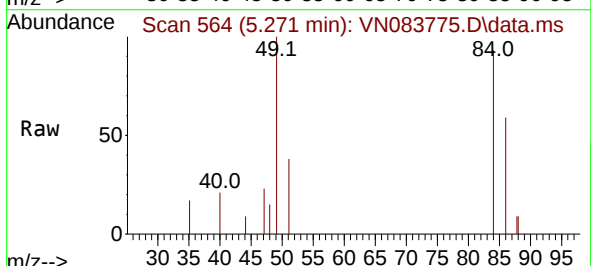
Ion Ratio Lower Upper

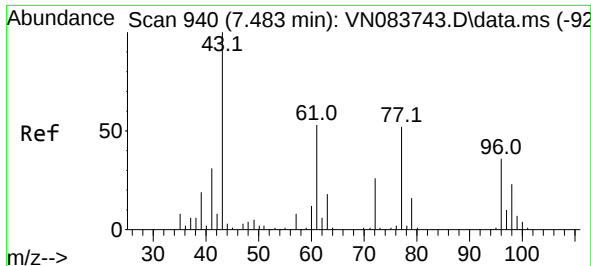
84 100

49 107.6 93.4 140.0

51 40.4 29.2 43.8

86 63.0 46.9 70.3

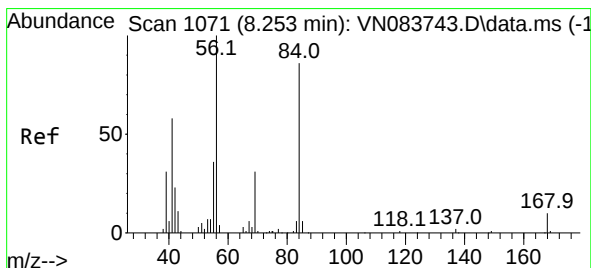
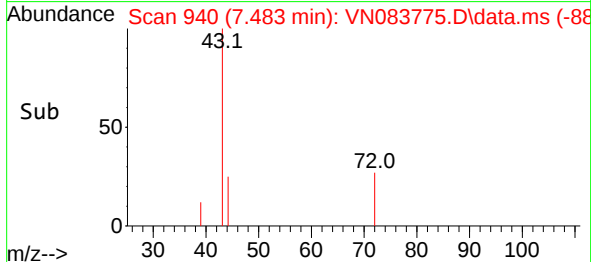
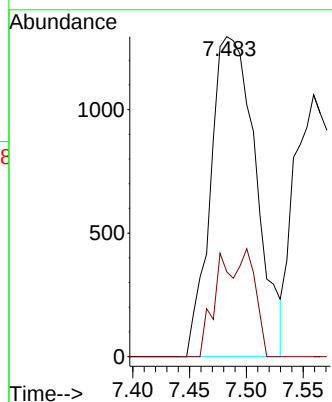
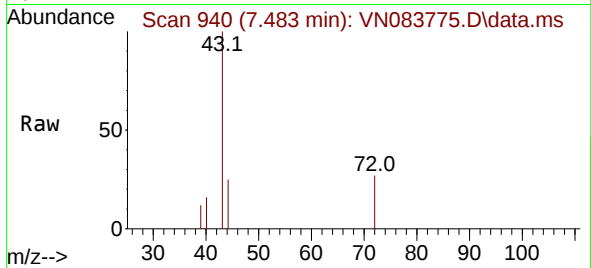




#25
2-Butanone
Concen: 4.713 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN083775.D
Acq: 11 Sep 2024 06:26

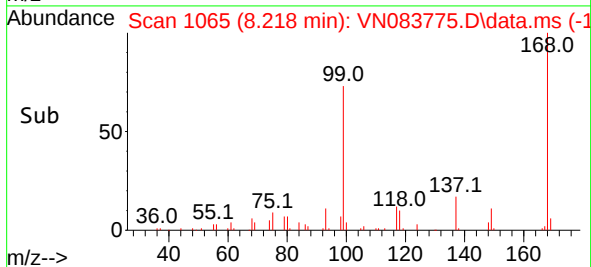
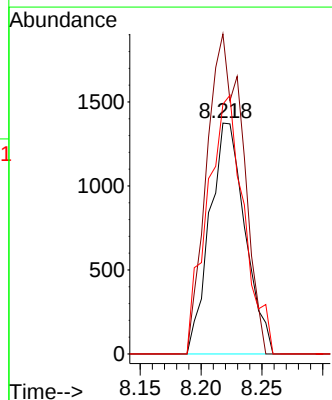
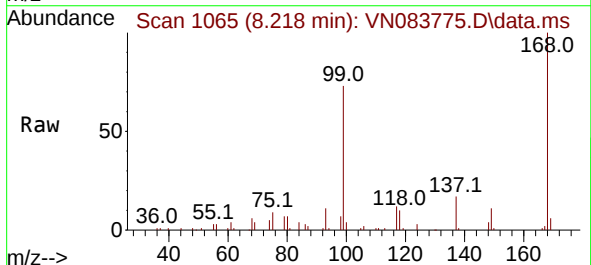
Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#05

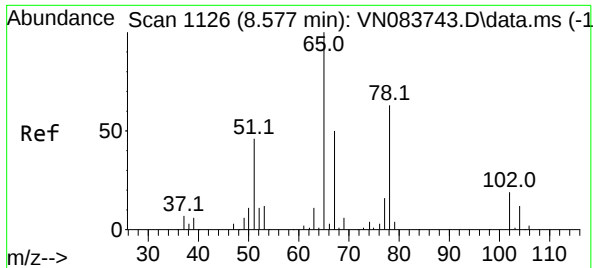
Tgt Ion: 43 Resp: 3592
Ion Ratio Lower Upper
43 100
72 26.6 20.8 31.2



#31
Cyclohexane
Concen: 1.328 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN083775.D
Acq: 11 Sep 2024 06:26

Tgt Ion: 56 Resp: 2776
Ion Ratio Lower Upper
56 100
69 138.5 26.9 40.3#
84 108.1 69.2 103.8#

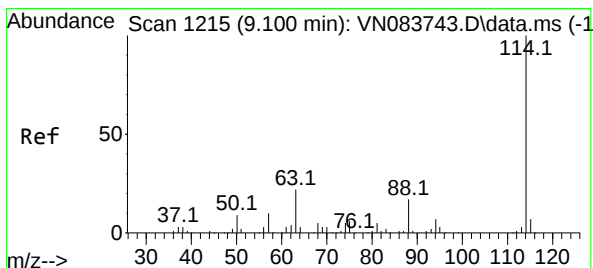
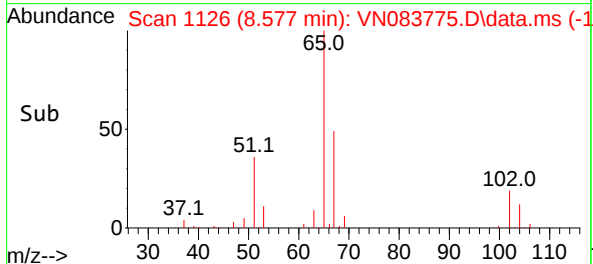
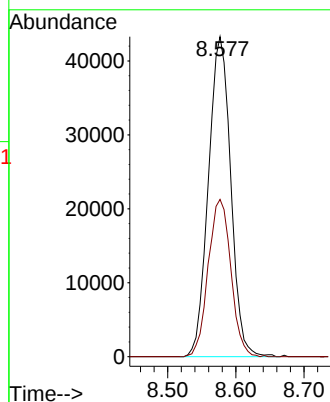
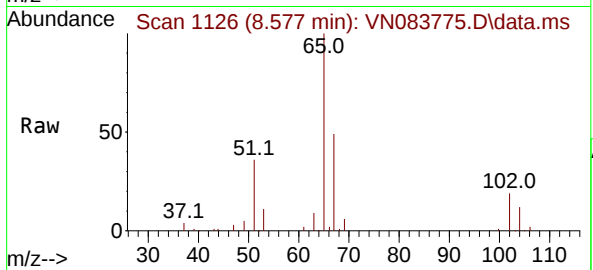




#33
 1,2-Dichloroethane-d4
 Concen: 68.142 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VN083775.D
 Acq: 11 Sep 2024 06:26

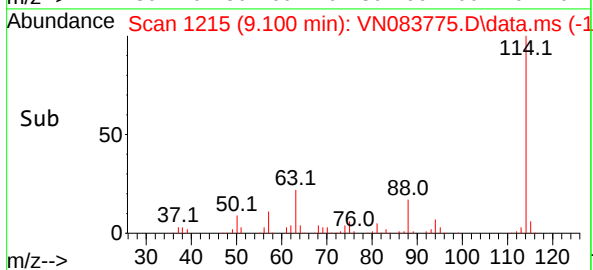
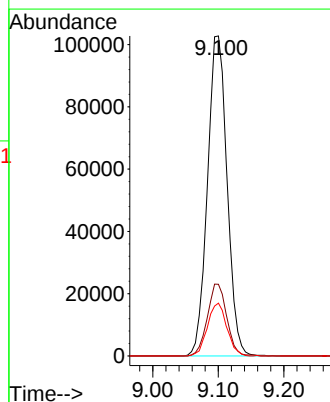
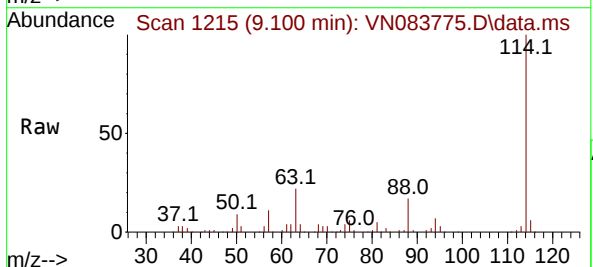
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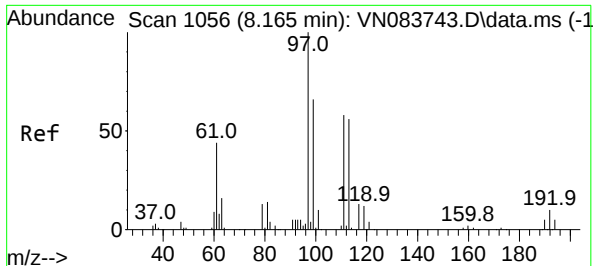
Tgt Ion: 65 Resp: 98574
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. 0.000 min
 Lab File: VN083775.D
 Acq: 11 Sep 2024 06:26

Tgt Ion: 114 Resp: 213548
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 43.4
 88 16.5 0.0 32.6





#35

Dibromofluoromethane

Concen: 56.590 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN083775.D

Acq: 11 Sep 2024 06:26

Instrument :

MSVOA_N

ClientSampleId :

PB163204ZHE#05

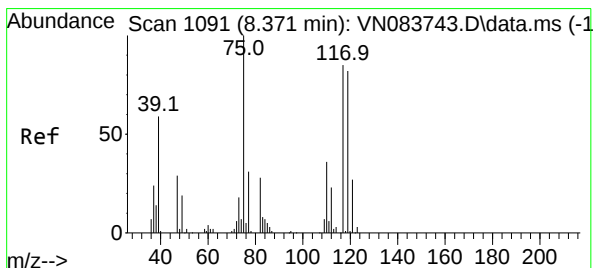
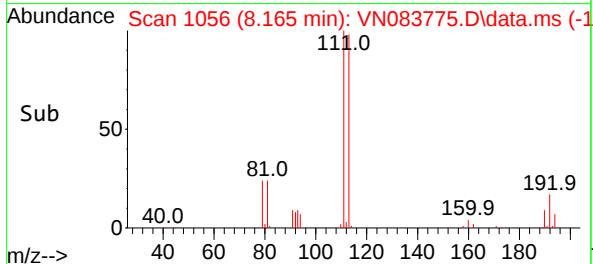
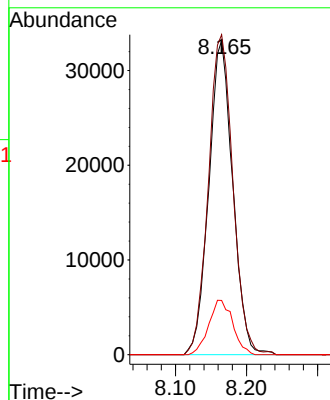
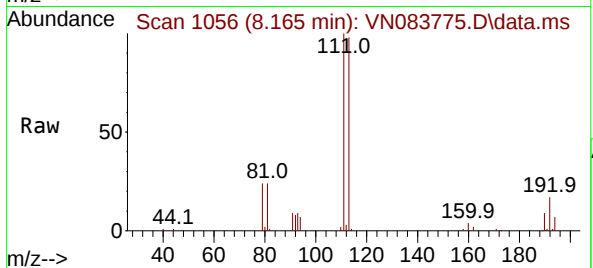
Tgt Ion:113 Resp: 77365

Ion Ratio Lower Upper

113 100

111 104.5 82.6 124.0

192 17.5 14.3 21.5



#36

1,1-Dichloropropene

Concen: 4.127 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN083775.D

Acq: 11 Sep 2024 06:26

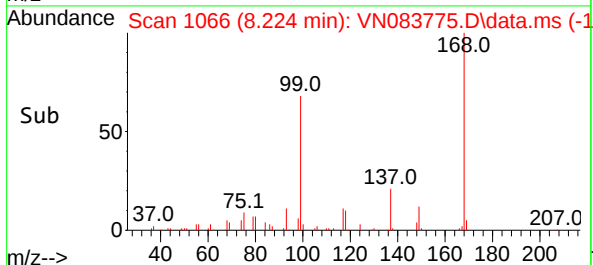
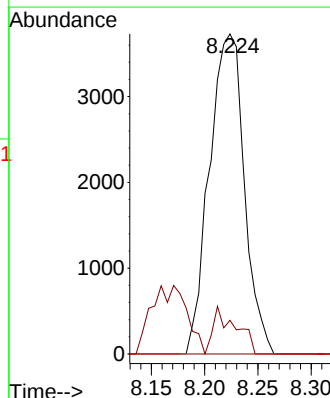
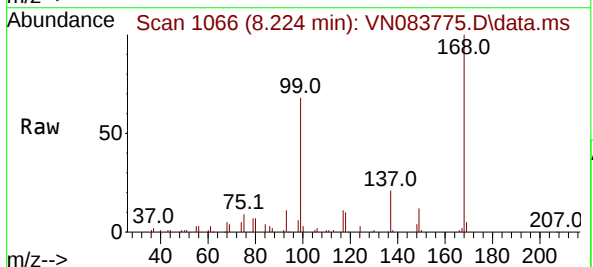
Tgt Ion: 75 Resp: 8492

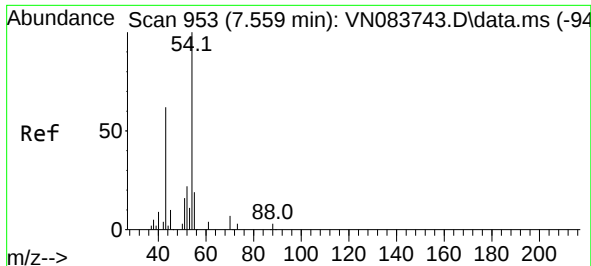
Ion Ratio Lower Upper

75 100

110 9.7 16.7 50.1#

77 0.0 25.2 37.8#

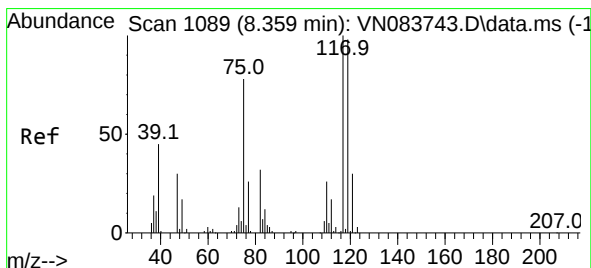
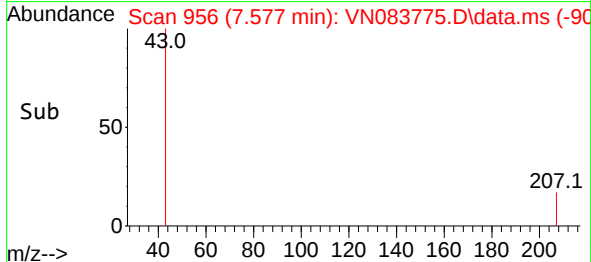
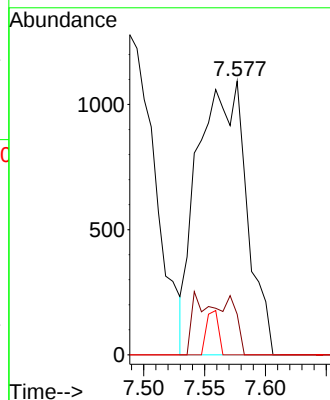
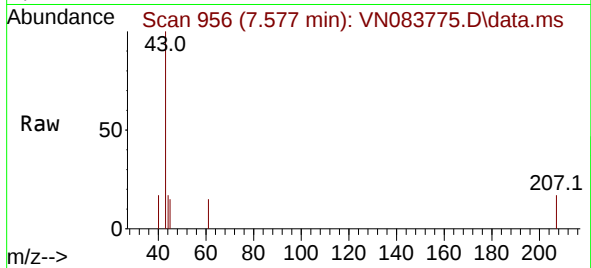




#37
Ethyl Acetate
Concen: 1.624 ug/l
RT: 7.577 min Scan# 91
Delta R.T. 0.018 min
Lab File: VN083775.D
Acq: 11 Sep 2024 06:26

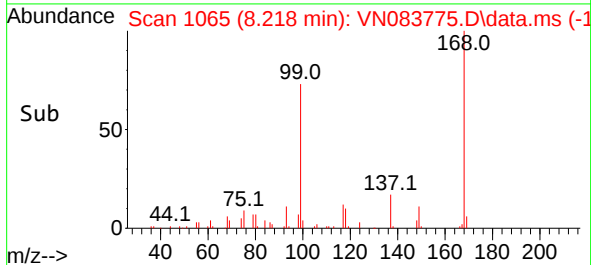
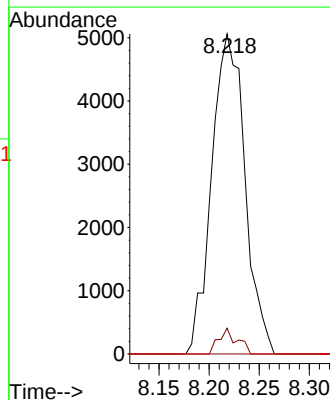
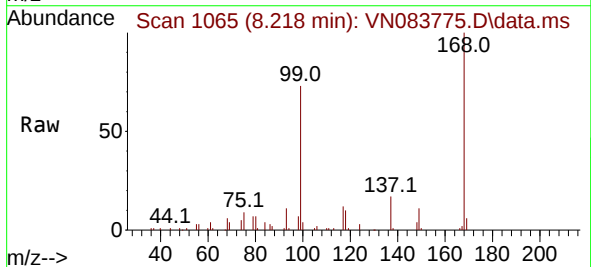
Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#05

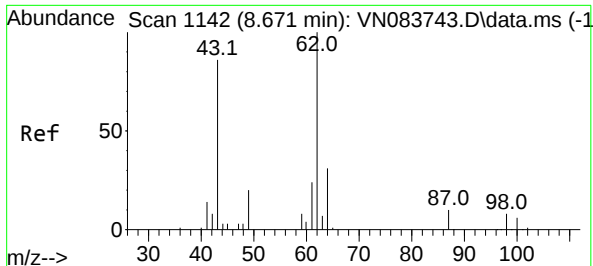
Tgt Ion: 43 Resp: 3034
Ion Ratio Lower Upper
43 100
61 0.0 11.1 16.7#
70 4.0 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 4.999 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN083775.D
Acq: 11 Sep 2024 06:26

Tgt Ion: 117 Resp: 11671
Ion Ratio Lower Upper
117 100
119 8.0 76.1 114.1#
121 0.0 24.1 36.1#





#42

1,2-Dichloroethane

Concen: 0.448 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. 0.012 min

Lab File: VN083775.D

Acq: 11 Sep 2024 06:26

Instrument :

MSVOA_N

ClientSampleId :

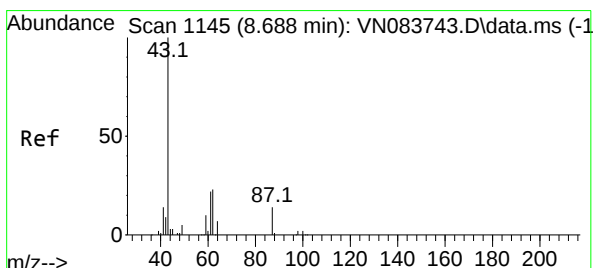
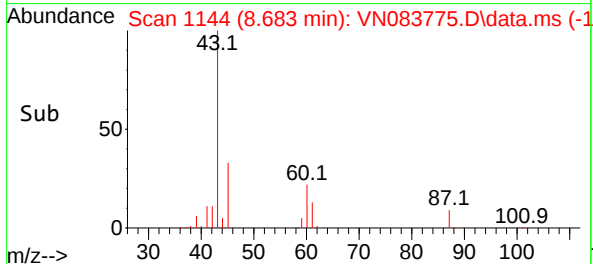
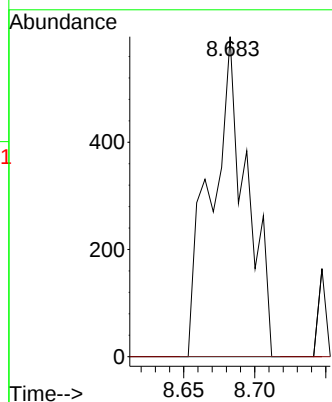
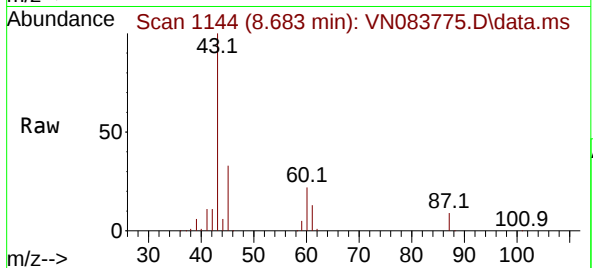
PB163204ZHE#05

Tgt Ion: 62 Resp: 1036

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.6



#43

Isopropyl Acetate

Concen: 49.893 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN083775.D

Acq: 11 Sep 2024 06:26

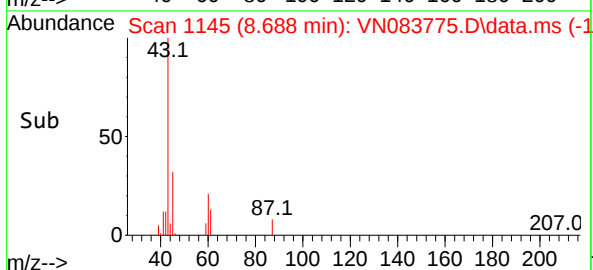
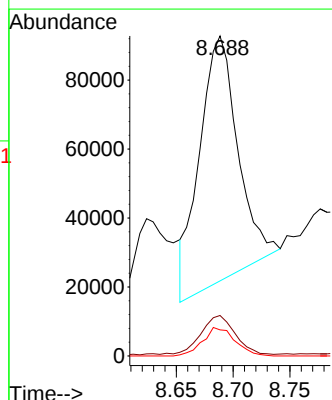
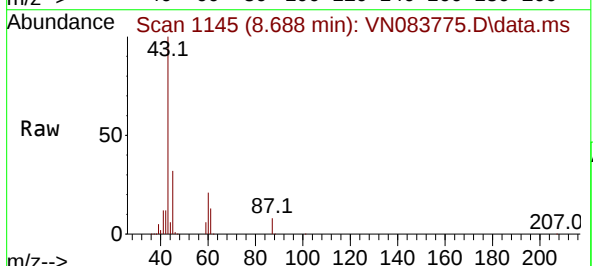
Tgt Ion: 43 Resp: 168871

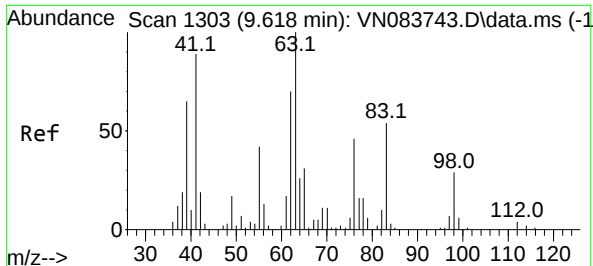
Ion Ratio Lower Upper

43 100

61 14.7 19.4 29.0#

87 9.7 9.8 14.6#

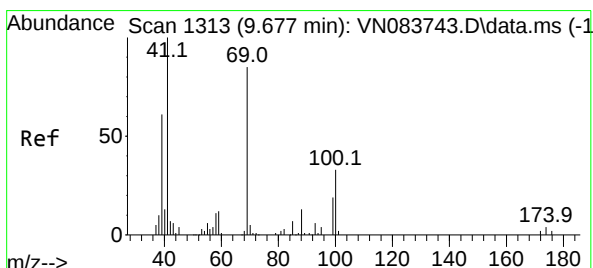
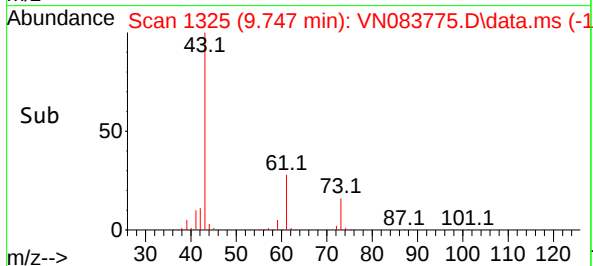
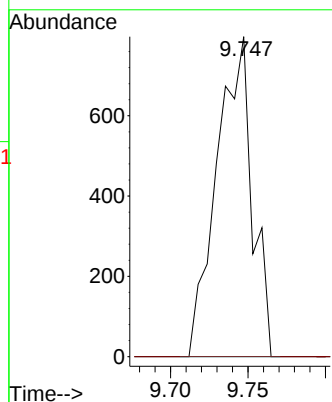
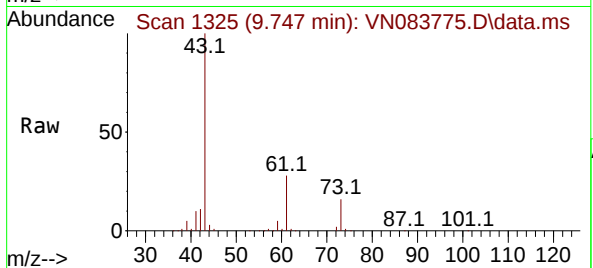




#45
1,2-Dichloropropane
Concen: 0.844 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.129 min
Lab File: VN083775.D
Acq: 11 Sep 2024 06:26

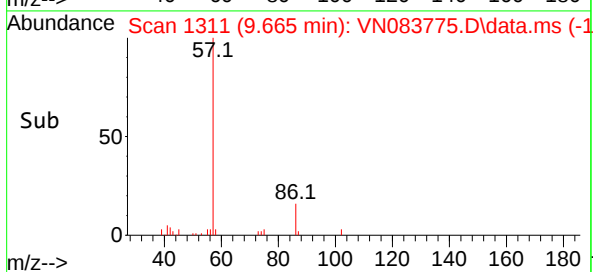
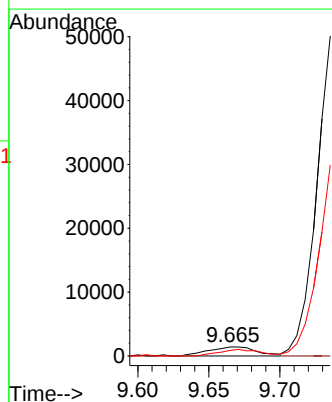
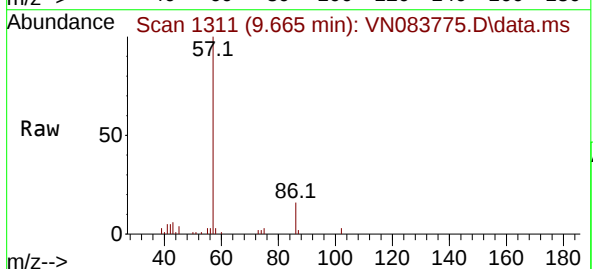
Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#05

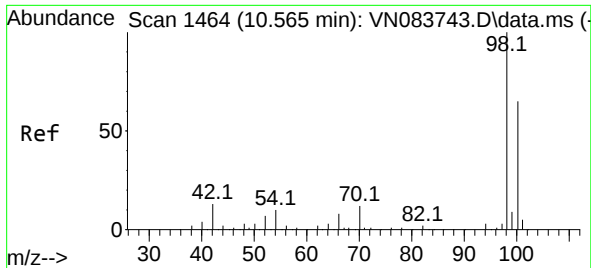
Tgt Ion: 63 Resp: 1264
Ion Ratio Lower Upper
63 100
65 0.0 25.9 38.9#



#48
Methyl methacrylate
Concen: 2.084 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.012 min
Lab File: VN083775.D
Acq: 11 Sep 2024 06:26

Tgt Ion: 41 Resp: 3347
Ion Ratio Lower Upper
41 100
69 0.0 64.3 96.5#
39 59.2 48.9 73.3

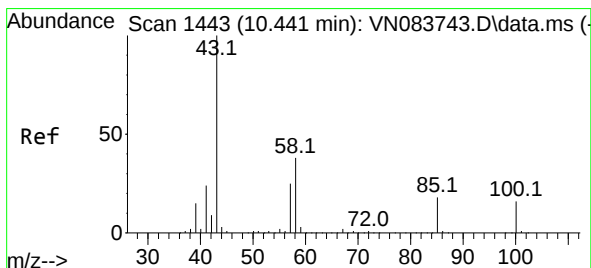
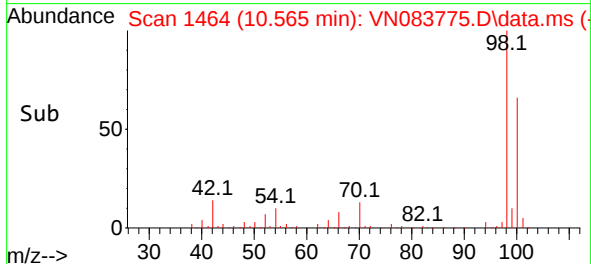
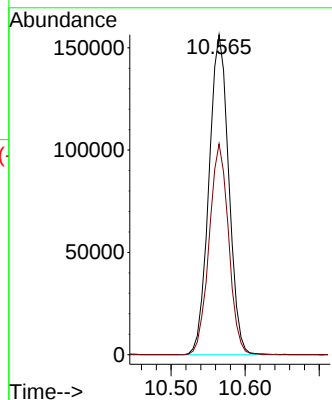
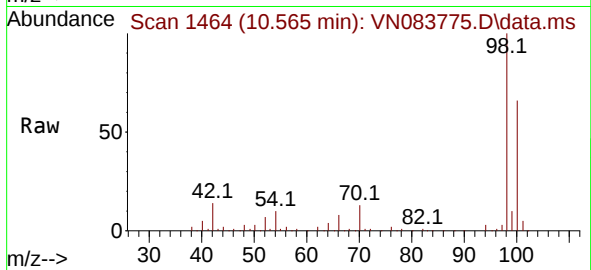




#50
Toluene-d8
Concen: 61.385 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN083775.D
Acq: 11 Sep 2024 06:26

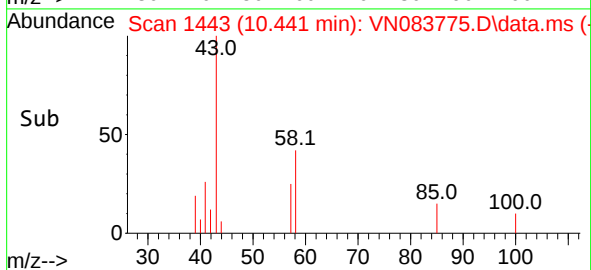
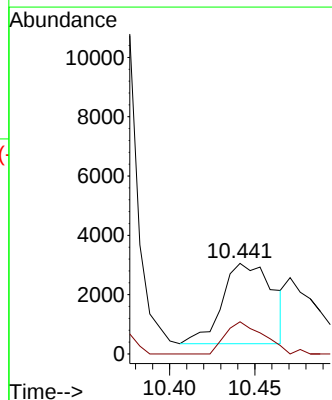
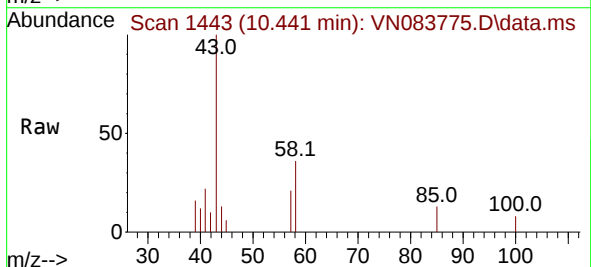
Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#05

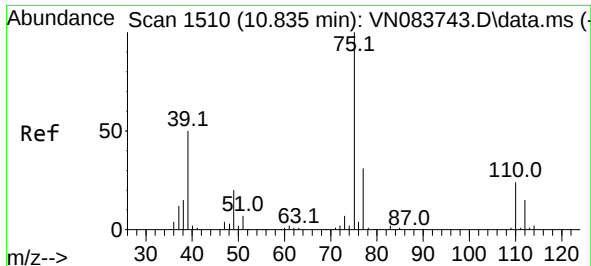
Tgt Ion: 98 Resp: 290118
Ion Ratio Lower Upper
98 100
100 64.6 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 3.039 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN083775.D
Acq: 11 Sep 2024 06:26

Tgt Ion: 43 Resp: 5599
Ion Ratio Lower Upper
43 100
58 30.9 31.6 47.4#

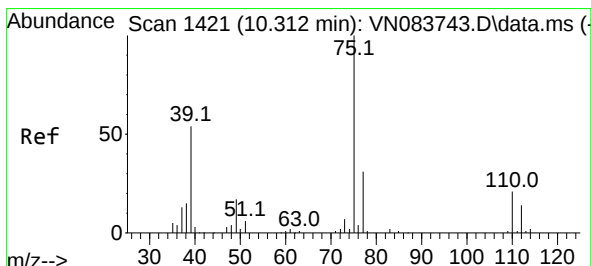
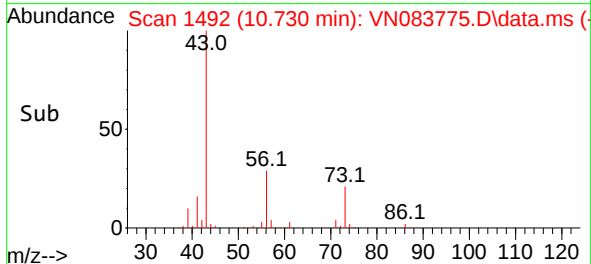
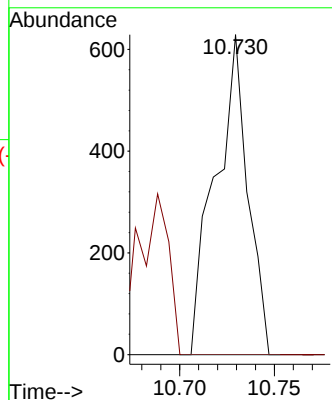
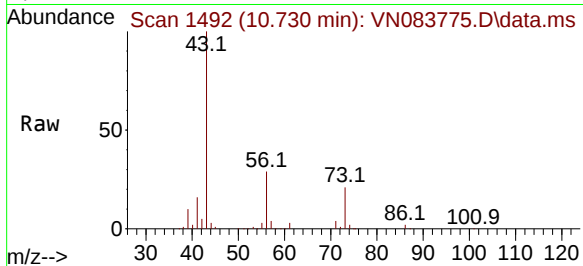




#53
t-1,3-Dichloropropene
Concen: 0.327 ug/l
RT: 10.730 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN083775.D
Acq: 11 Sep 2024 06:26

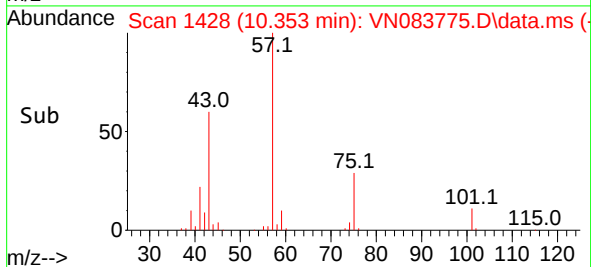
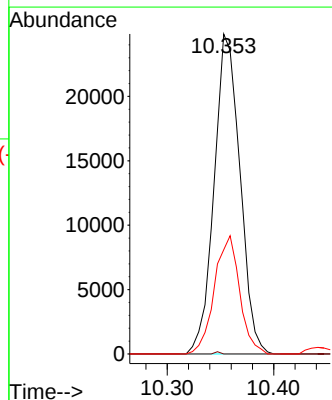
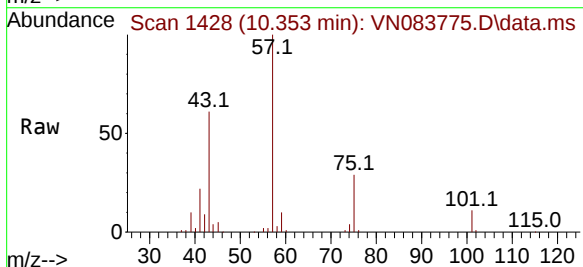
Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#05

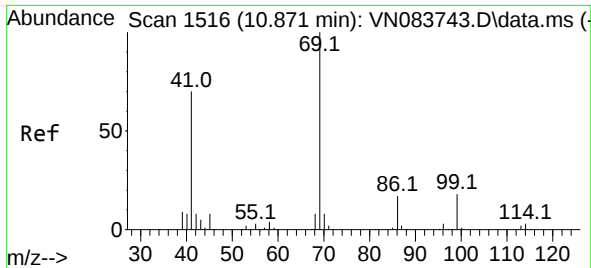
Tgt Ion: 75 Resp: 751
Ion Ratio Lower Upper
75 100
77 0.0 25.8 38.6#



#54
cis-1,3-Dichloropropene
Concen: 17.314 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.041 min
Lab File: VN083775.D
Acq: 11 Sep 2024 06:26

Tgt Ion: 75 Resp: 41831
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.6#
39 32.5 42.6 64.0#

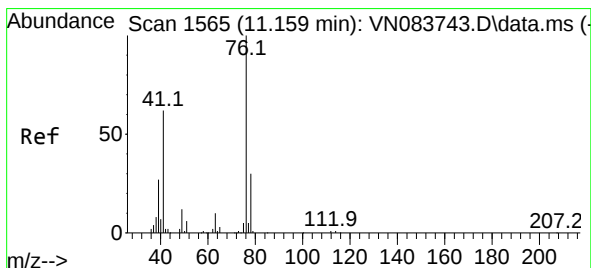
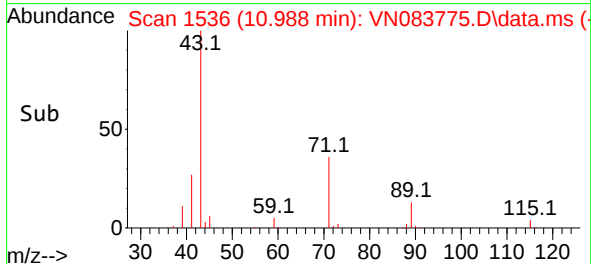
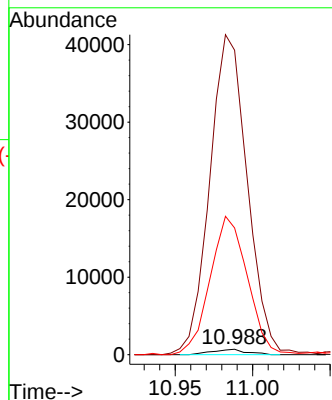
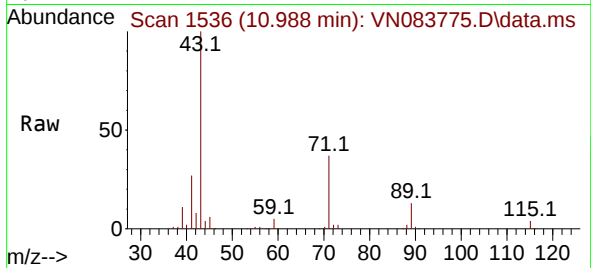




#56
Ethyl methacrylate
Concen: 0.493 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.118 min
Lab File: VN083775.D
Acq: 11 Sep 2024 06:26

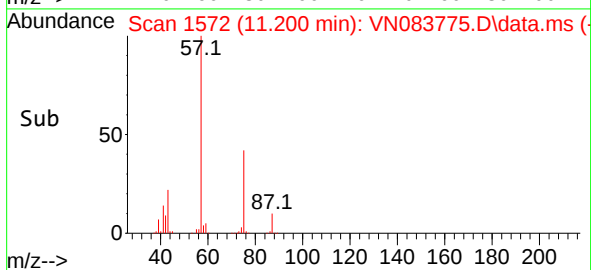
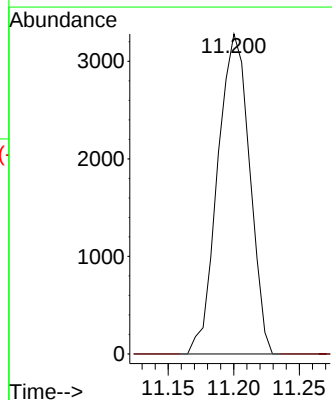
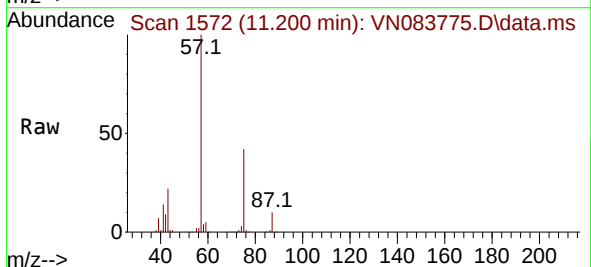
Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#05

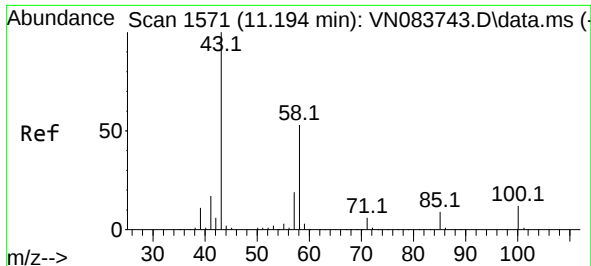
Tgt Ion: 69 Resp: 1072
Ion Ratio Lower Upper
69 100
41 6506.1 53.9 80.9#
39 2790.7 32.6 48.8#



#57
1,3-Dichloropropane
Concen: 2.287 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN083775.D
Acq: 11 Sep 2024 06:26

Tgt Ion: 76 Resp: 5560
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

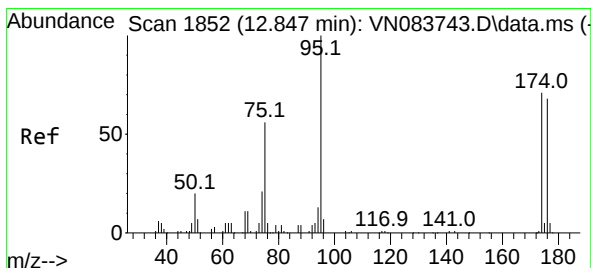
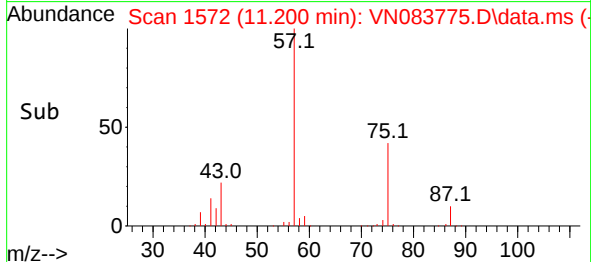
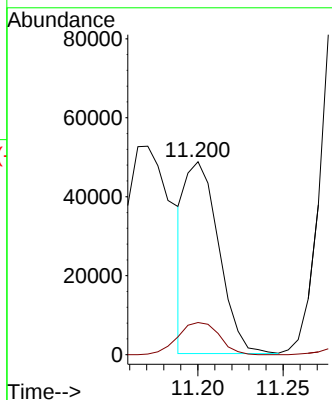
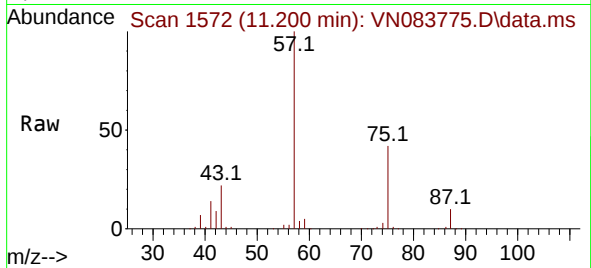




#59
2-Hexanone
Concen: 48.704 ug/l
RT: 11.200 min Scan# 1571
Delta R.T. 0.006 min
Lab File: VN083775.D
Acq: 11 Sep 2024 06:26

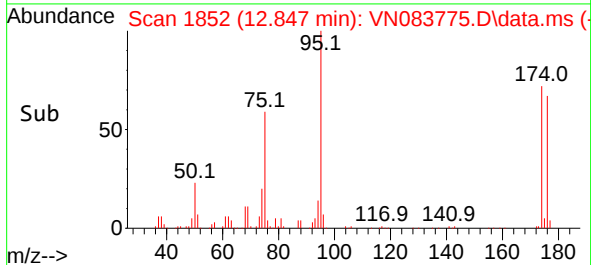
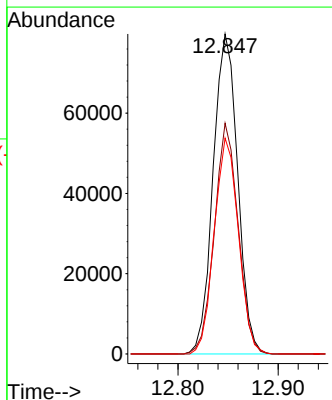
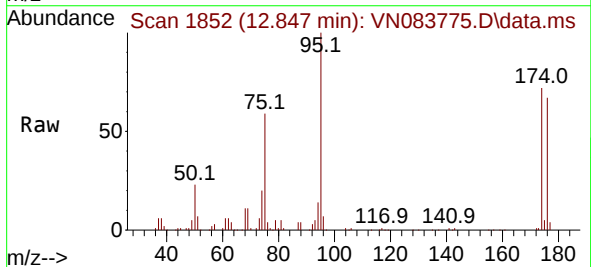
Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#05

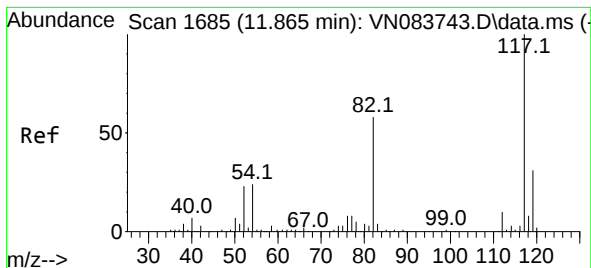
Tgt Ion: 43 Resp: 66379
Ion Ratio Lower Upper
43 100
58 20.8 27.2 81.5#



#62
4-Bromofluorobenzene
Concen: 69.451 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN083775.D
Acq: 11 Sep 2024 06:26

Tgt Ion: 95 Resp: 135422
Ion Ratio Lower Upper
95 100
174 69.7 0.0 139.8
176 66.6 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: VN083775.D

Acq: 11 Sep 2024 06:26

Instrument :

MSVOA_N

ClientSampleId :

PB163204ZHE#05

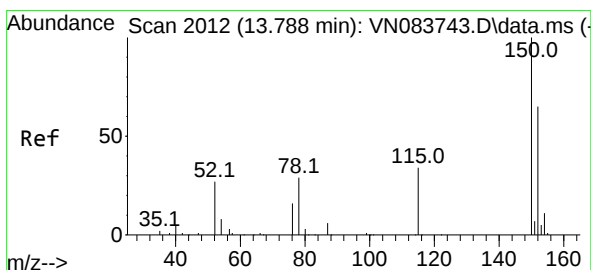
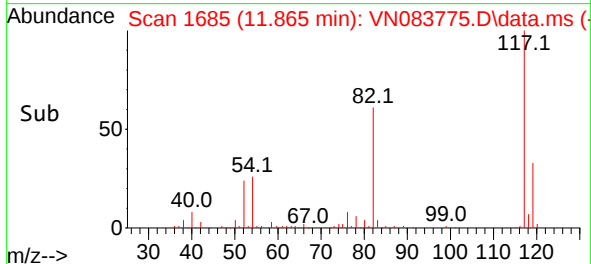
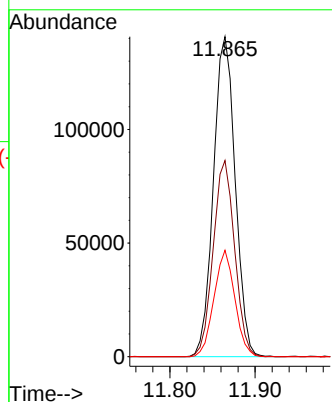
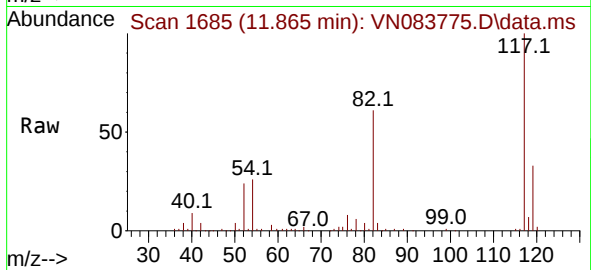
Tgt Ion:117 Resp: 250131

Ion Ratio Lower Upper

117 100

82 61.3 47.4 71.0

119 33.3 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: VN083775.D

Acq: 11 Sep 2024 06:26

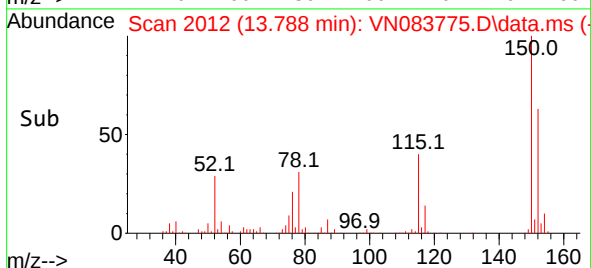
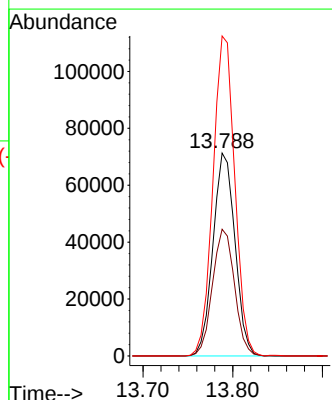
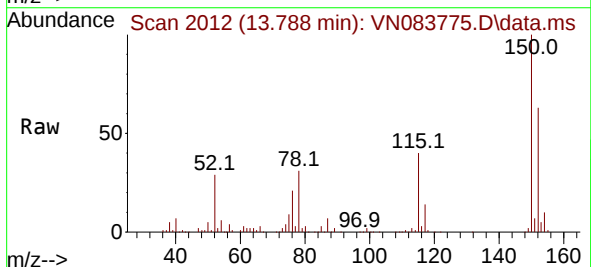
Tgt Ion:152 Resp: 121289

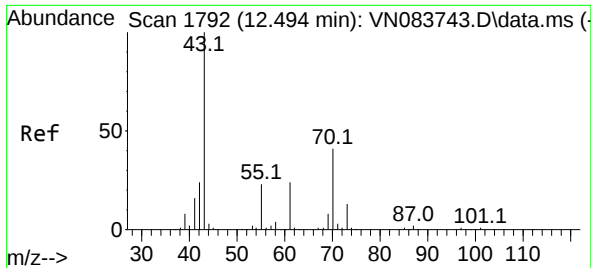
Ion Ratio Lower Upper

152 100

115 62.6 32.2 96.6

150 156.3 0.0 348.6

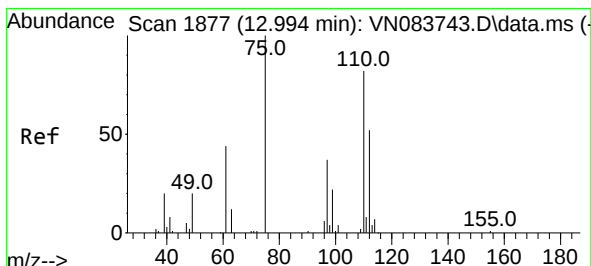
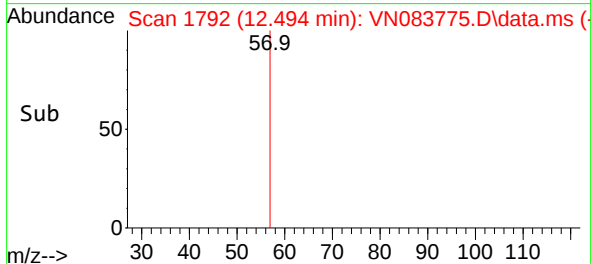
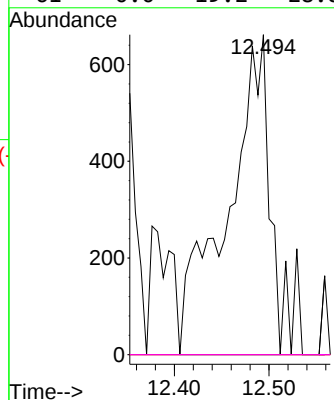
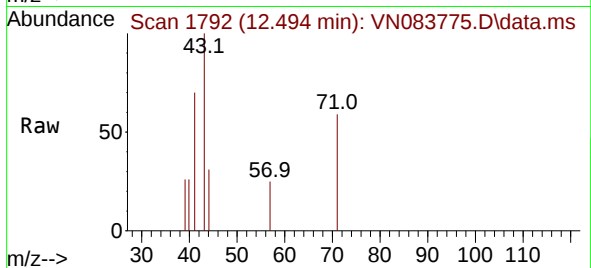




#74
N-amy1 acetate
Concen: 0.496 ug/l
RT: 12.494 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN083775.D
Acq: 11 Sep 2024 06:26

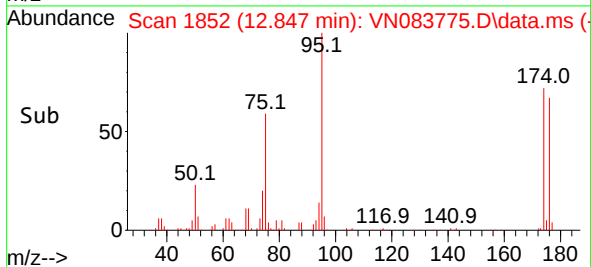
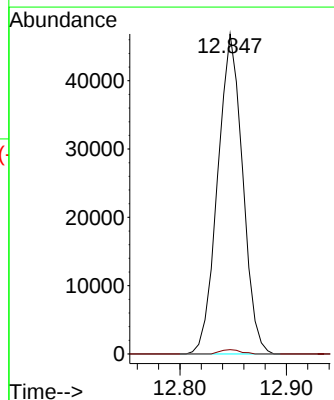
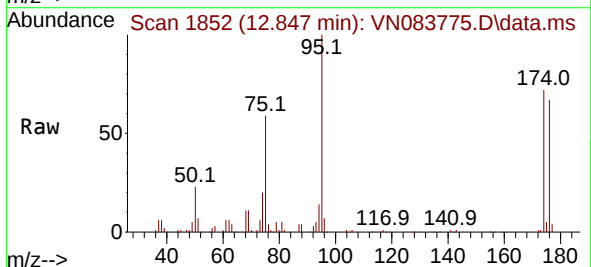
Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#05

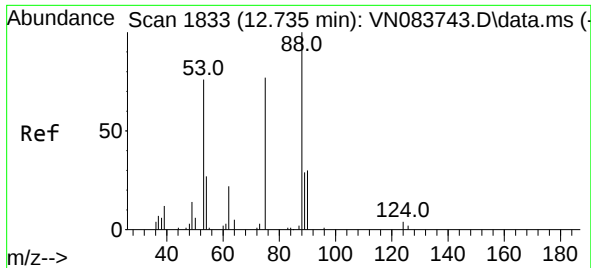
Tgt Ion: 43	Resp:	1985
Ion Ratio	Lower	Upper
43 100		
70 0.0	34.5	51.7#
55 0.0	18.6	28.0#
61 0.0	19.2	28.8#



#76
1,2,3-Trichloropropane
Concen: 31.194 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083775.D
Acq: 11 Sep 2024 06:26

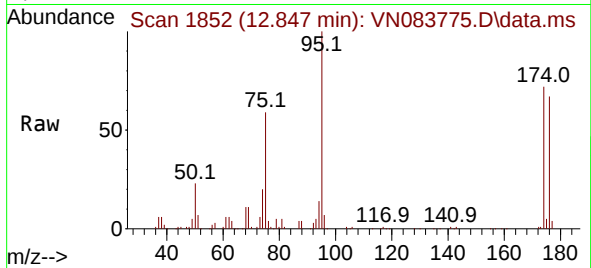
Tgt Ion: 75	Resp:	76344	
Ion Ratio	Lower	Upper	
75 100			
77 1.1	95.2	285.6#	





#81
trans-1,4-Dichloro-2-butene
Concen: 81.700 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN083775.D
Acq: 11 Sep 2024 06:26

Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#05



Tgt Ion: 75 Resp: 76344
Ion Ratio Lower Upper
75 100
53 0.1 81.2 121.8#
89 0.0 35.7 53.5#

