

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091024\
 Data File : VN083772.D
 Acq On : 11 Sep 2024 05:14
 Operator : JC\MD
 Sample : PB163204ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB163204ZHE#02

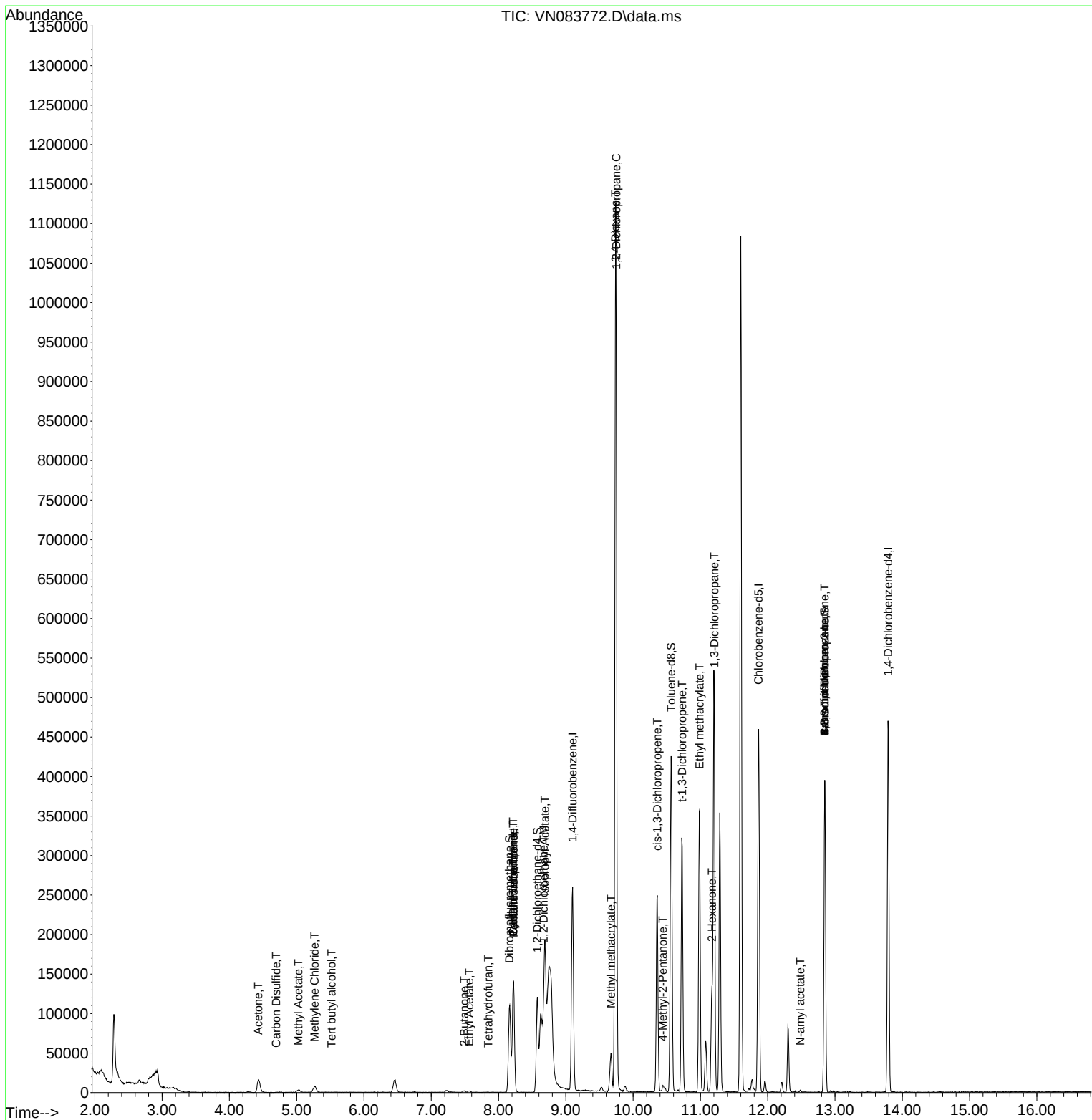
Quant Time: Sep 11 05:51:40 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 03:05:46 2024
 Response via : Initial Calibration

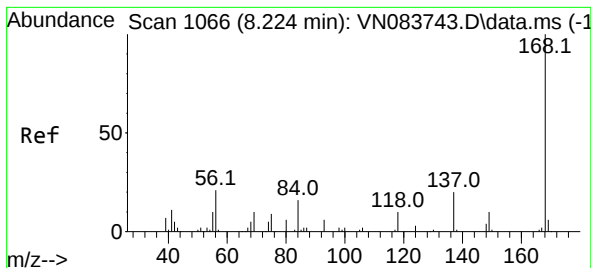
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	95972	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	210520	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	249763	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	119820	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	98990	68.405	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 136.800%#	
35) Dibromofluoromethane	8.159	113	78835	58.495	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 117.000%	
50) Toluene-d8	10.565	98	286063	61.398	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 122.800%#	
62) 4-Bromofluorobenzene	12.847	95	134279	69.855	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 139.720%#	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	955	Below Cal		90
11) Tert butyl alcohol	5.518	59	55	0.284	ug/l #	71
16) Acetone	4.430	43	29034	50.049	ug/l	99
17) Carbon Disulfide	4.695	76	614	0.211	ug/l #	75
18) Methyl Acetate	5.024	43	6823	3.935	ug/l	91
20) Methylene Chloride	5.265	84	6337	5.338	ug/l	94
25) 2-Butanone	7.489	43	3210	4.210	ug/l #	86
29) Tetrahydrofuran	7.847	42	257	0.570	ug/l #	32
31) Cyclohexane	8.218	56	3024	1.446	ug/l #	41
36) 1,1-Dichloropropene	8.218	75	9018	4.446	ug/l #	50
37) Ethyl Acetate	7.565	43	3193	1.734	ug/l #	86
38) Carbon Tetrachloride	8.218	117	11308	4.914	ug/l #	16
42) 1,2-Dichloroethane	8.671	62	590	0.259	ug/l #	77
43) Isopropyl Acetate	8.688	43	129039	38.673	ug/l #	93
45) 1,2-Dichloropropane	9.747	63	1636	1.109	ug/l #	42
48) Methyl methacrylate	9.671	41	3167	2.001	ug/l #	47
49) 1,4-Dioxane	9.735	88	68	2.611	ug/l #	1
51) 4-Methyl-2-Pentanone	10.441	43	8535	4.699	ug/l #	69
53) t-1,3-Dichloropropene	10.730	75	767	0.338	ug/l #	42
54) cis-1,3-Dichloropropene	10.359	75	43423	18.231	ug/l #	63
56) Ethyl methacrylate	10.988	69	1151	0.537	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5285	2.206	ug/l #	42
59) 2-Hexanone	11.171	43	109134	81.227	ug/l #	24
71) Bromoform	12.847	173	728	0.561	ug/l #	1
74) N-amyl acetate	12.482	43	1744	0.441	ug/l #	43
76) 1,2,3-Trichloropropane	12.847	75	76962	31.832	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	76962	83.371	ug/l #	9

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

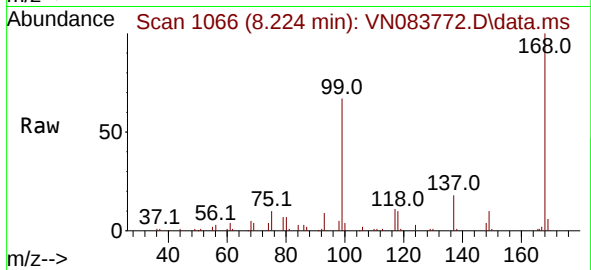
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 03:05:46 2024
Response via : Initial Calibration



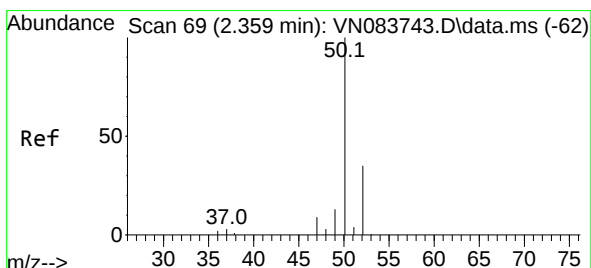
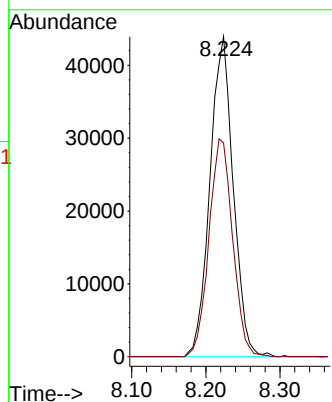
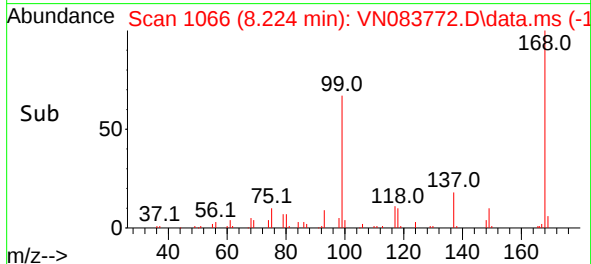


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083772.D
Acq: 11 Sep 2024 05:14

Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#02

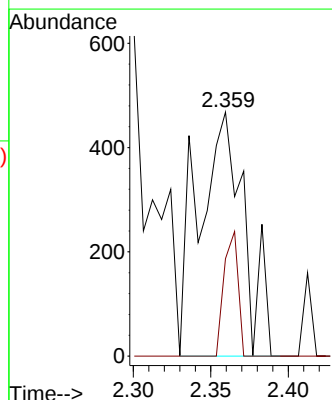
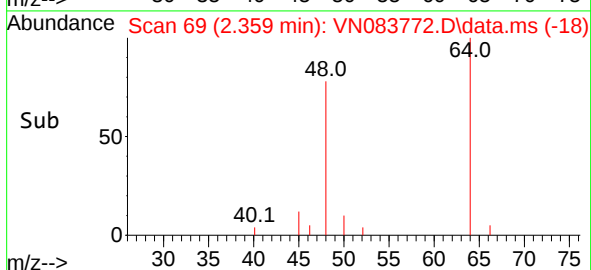
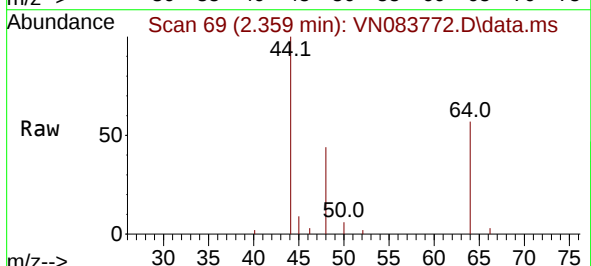


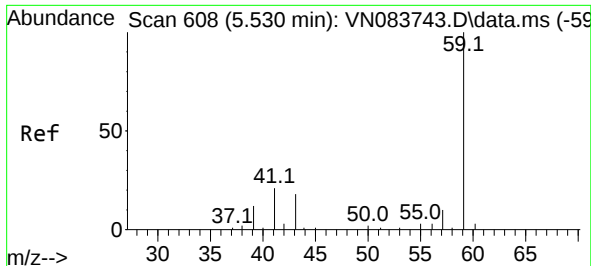
Tgt Ion:168 Resp: 95972
Ion Ratio Lower Upper
168 100
99 66.8 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN083772.D
Acq: 11 Sep 2024 05:14

Tgt Ion: 50 Resp: 955
Ion Ratio Lower Upper
50 100
52 40.0 27.2 40.8

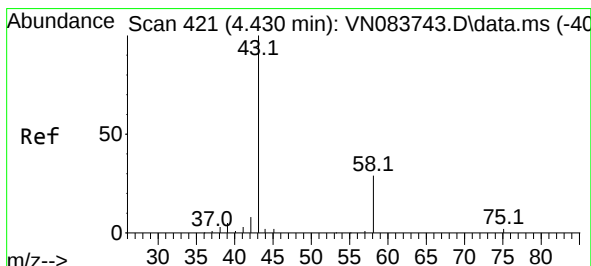
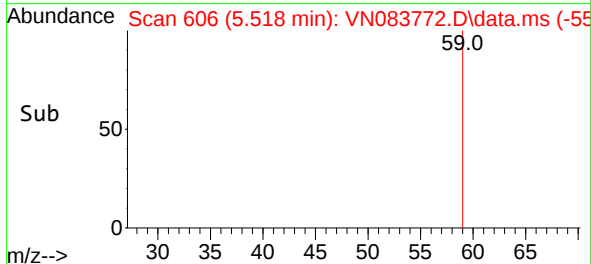
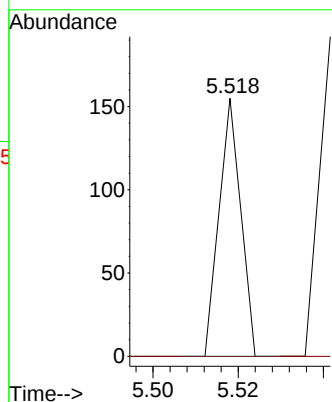
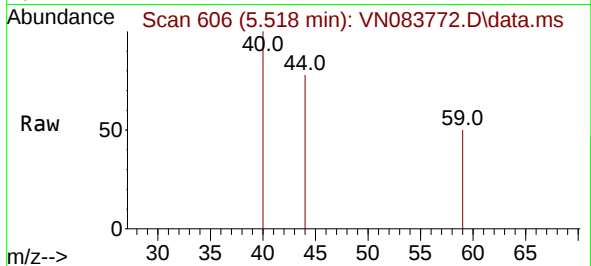




#11
Tert butyl alcohol
Concen: 0.284 ug/l
RT: 5.518 min Scan# 608
Delta R.T. -0.012 min
Lab File: VN083772.D
Acq: 11 Sep 2024 05:14

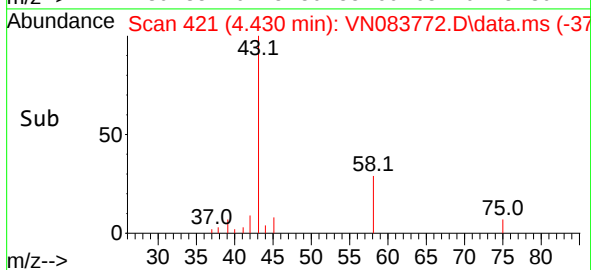
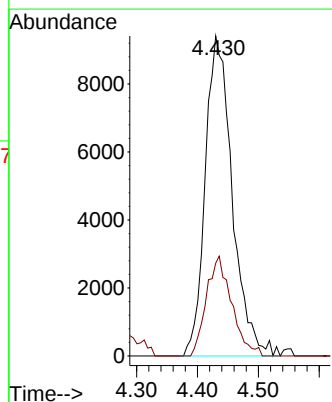
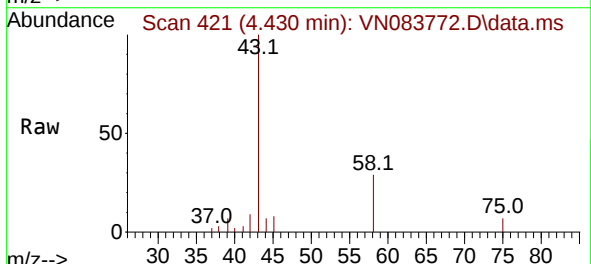
Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#02

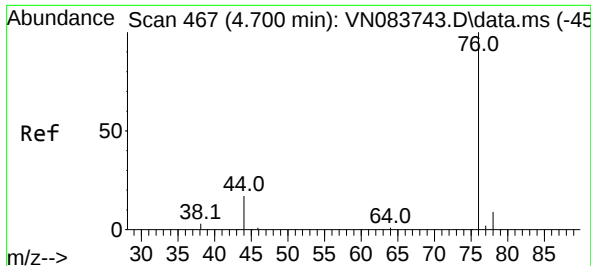
Tgt Ion: 59 Resp: 55
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#16
Acetone
Concen: 50.049 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.000 min
Lab File: VN083772.D
Acq: 11 Sep 2024 05:14

Tgt Ion: 43 Resp: 29034
Ion Ratio Lower Upper
43 100
58 29.0 23.7 35.5

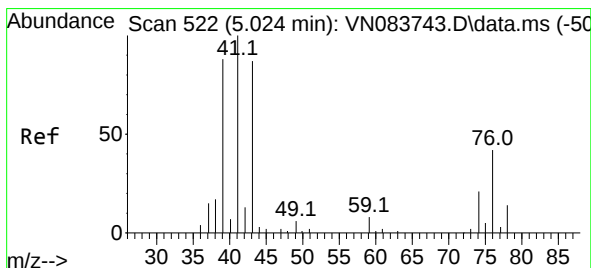
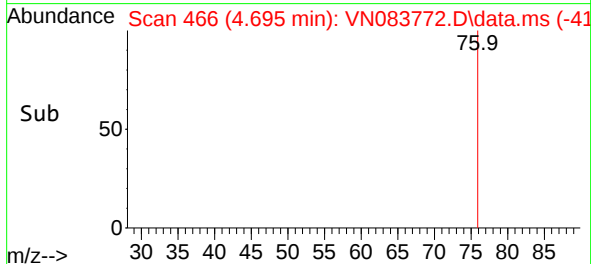
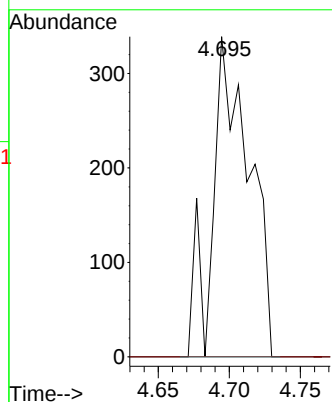
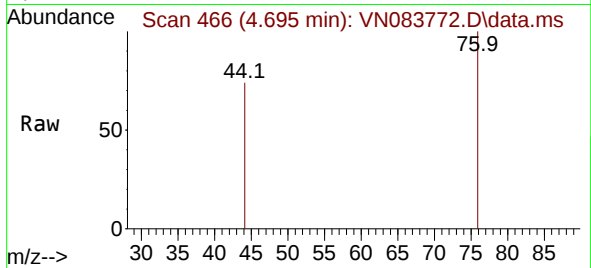




#17
Carbon Disulfide
Concen: 0.211 ug/l
RT: 4.695 min Scan# 466
Delta R.T. -0.006 min
Lab File: VN083772.D
Acq: 11 Sep 2024 05:14

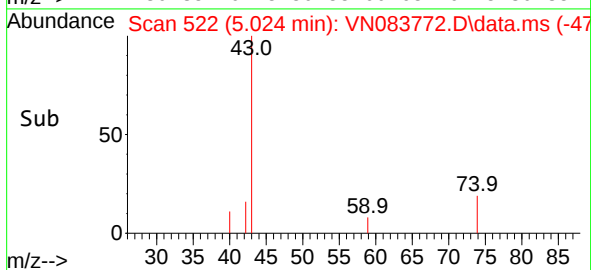
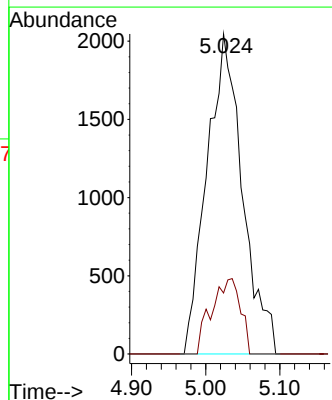
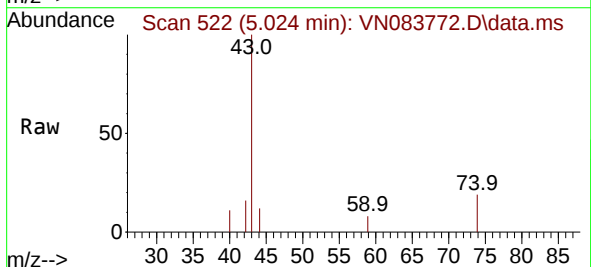
Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#02

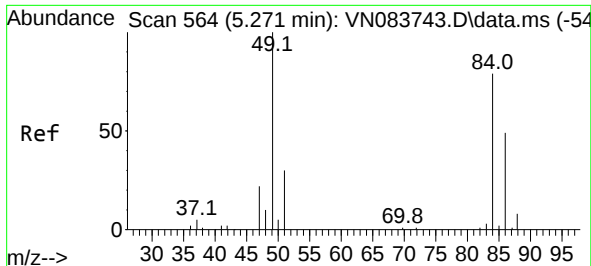
Tgt Ion: 76 Resp: 614
Ion Ratio Lower Upper
76 100
78 0.0 7.1 10.7#



#18
Methyl Acetate
Concen: 3.935 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.000 min
Lab File: VN083772.D
Acq: 11 Sep 2024 05:14

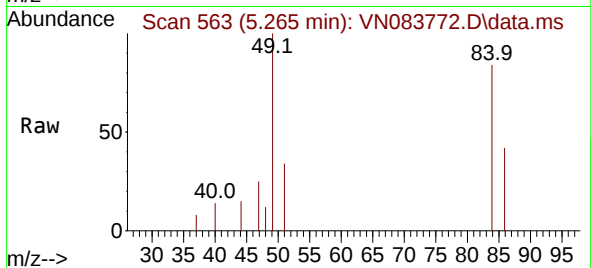
Tgt Ion: 43 Resp: 6823
Ion Ratio Lower Upper
43 100
74 19.1 19.0 28.4



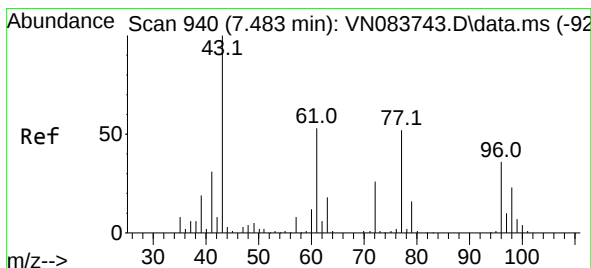
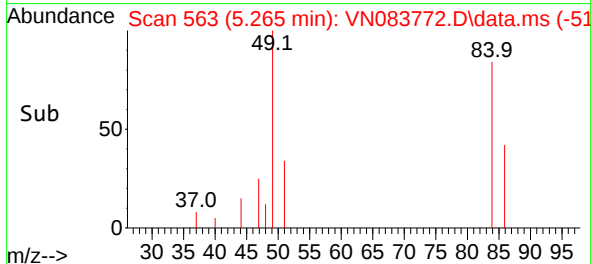
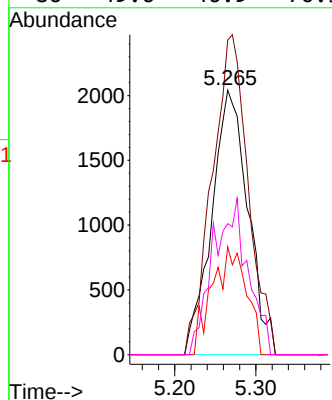


#20
Methylene Chloride
Concen: 5.338 ug/l
RT: 5.265 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN083772.D
Acq: 11 Sep 2024 05:14

Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#02

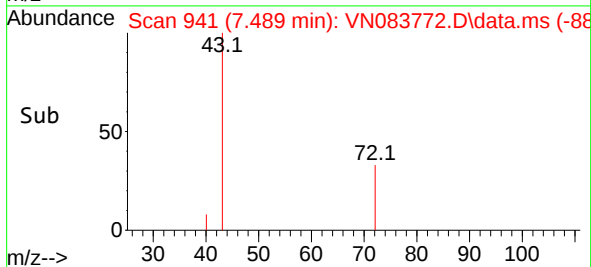
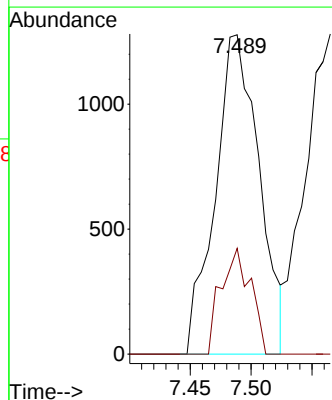
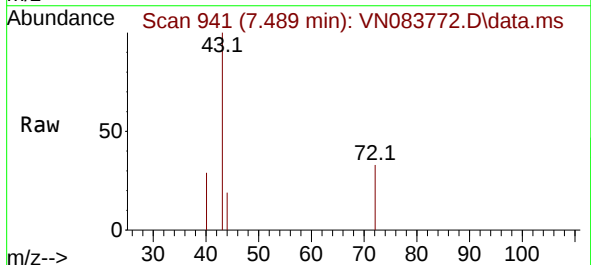


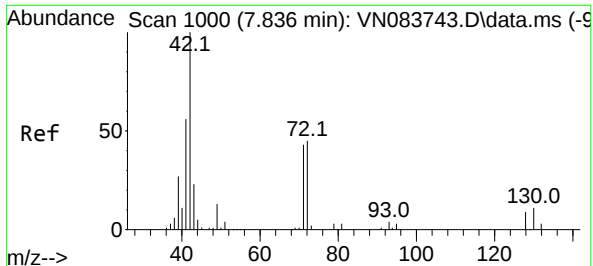
Tgt Ion:	84	Resp:	6337
Ion	Ratio	Lower	Upper
84	100		
49	118.9	93.4	140.0
51	40.8	29.2	43.8
86	49.6	46.9	70.3



#25
2-Butanone
Concen: 4.210 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN083772.D
Acq: 11 Sep 2024 05:14

Tgt Ion:	43	Resp:	3210
Ion	Ratio	Lower	Upper
43	100		
72	33.1	20.8	31.2#





#29

Tetrahydrofuran

Concen: 0.570 ug/l

RT: 7.847 min Scan# 1065

Delta R.T. 0.012 min

Lab File: VN083772.D

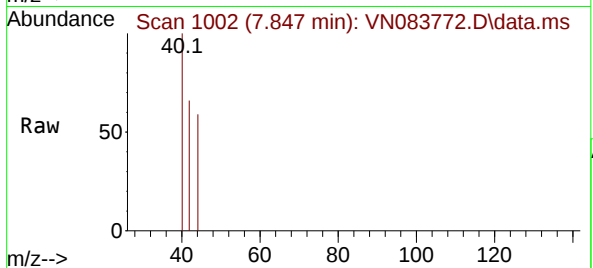
Acq: 11 Sep 2024 05:14

Instrument :

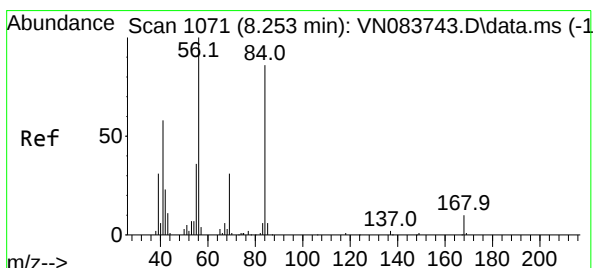
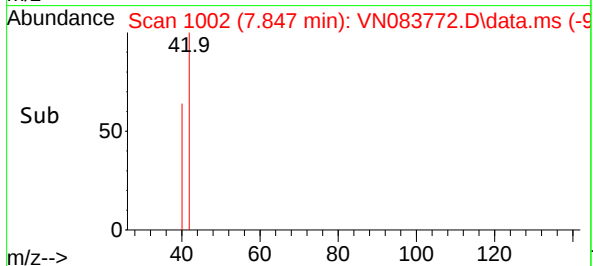
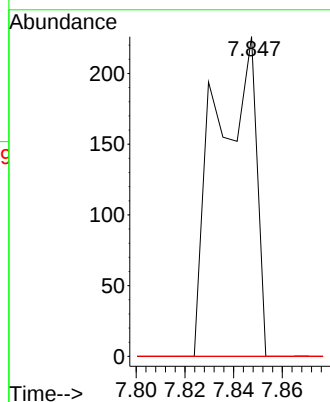
MSVOA_N

ClientSampleId :

PB163204ZHE#02



Tgt Ion:	42	Resp:	257
Ion	Ratio	Lower	Upper
42	100		
72	0.0	35.9	53.9#
71	0.0	33.9	50.9#



#31

Cyclohexane

Concen: 1.446 ug/l

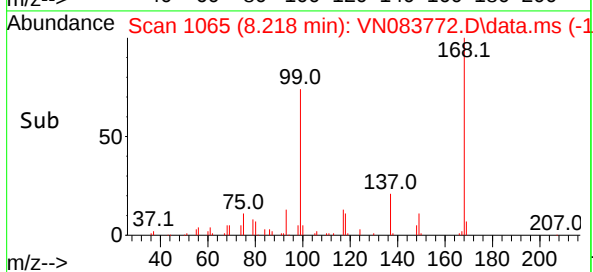
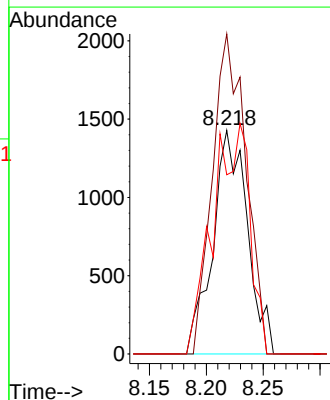
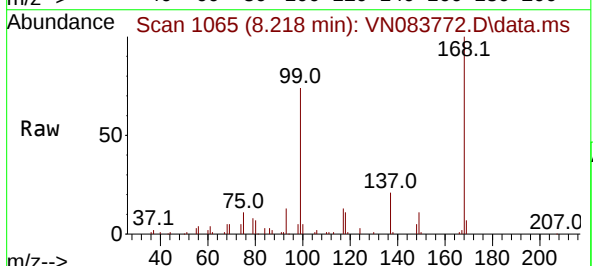
RT: 8.218 min Scan# 1065

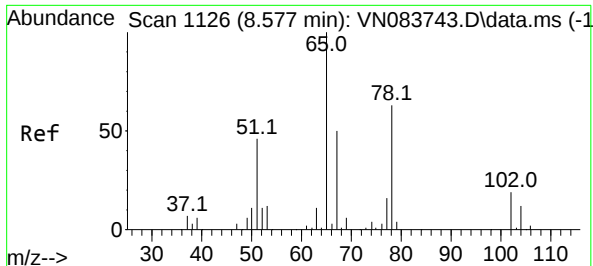
Delta R.T. -0.035 min

Lab File: VN083772.D

Acq: 11 Sep 2024 05:14

Tgt Ion:	56	Resp:	3024
Ion	Ratio	Lower	Upper
56	100		
69	143.1	26.9	40.3#
84	80.2	69.2	103.8





#33

1,2-Dichloroethane-d4

Concen: 68.405 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN083772.D

Acq: 11 Sep 2024 05:14

Instrument :

MSVOA_N

ClientSampleId :

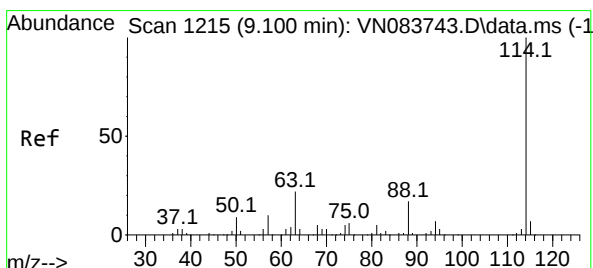
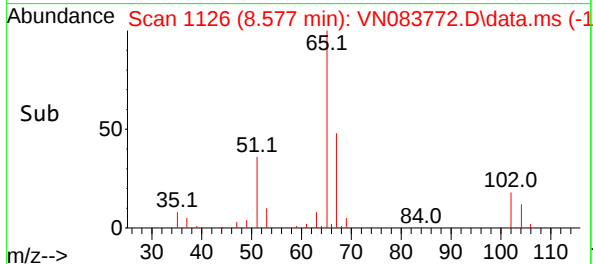
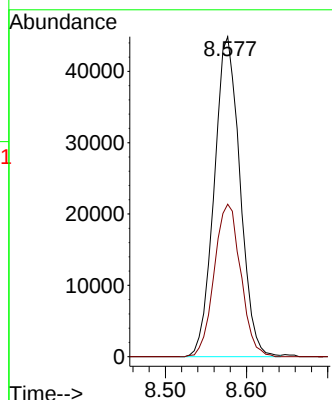
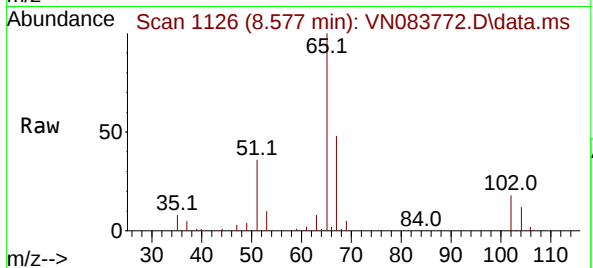
PB163204ZHE#02

Tgt Ion: 65 Resp: 98990

Ion Ratio Lower Upper

65 100

67 48.9 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: VN083772.D

Acq: 11 Sep 2024 05:14

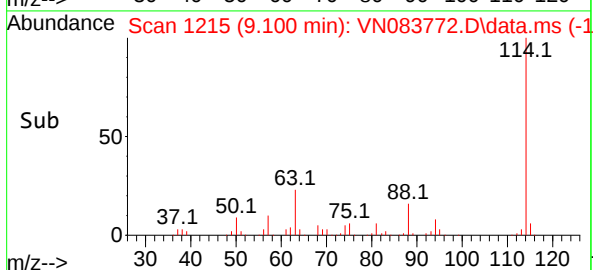
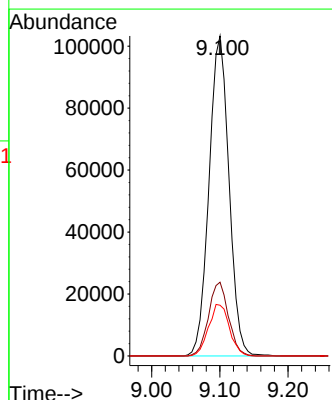
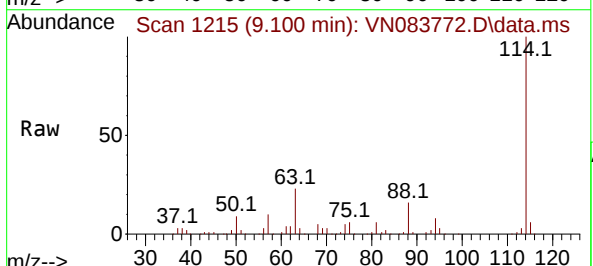
Tgt Ion: 114 Resp: 210520

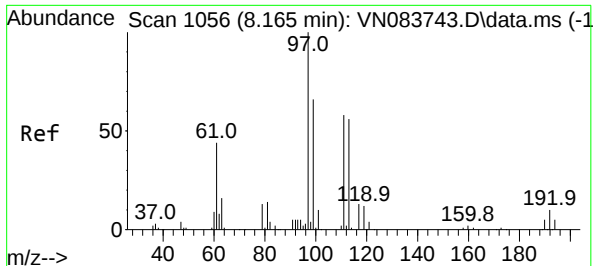
Ion Ratio Lower Upper

114 100

63 23.1 0.0 43.4

88 15.8 0.0 32.6





#35

Dibromofluoromethane

Concen: 58.495 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN083772.D

Acq: 11 Sep 2024 05:14

Instrument :

MSVOA_N

ClientSampleId :

PB163204ZHE#02

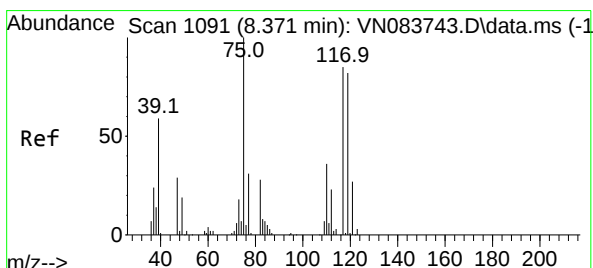
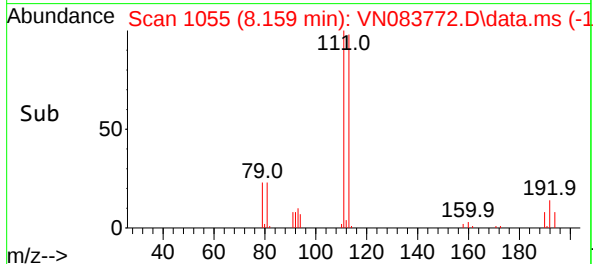
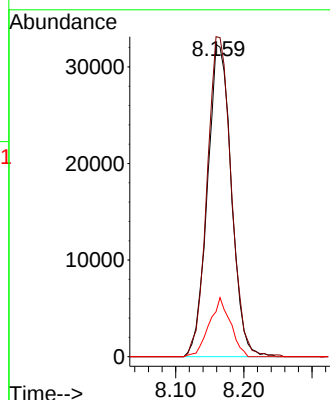
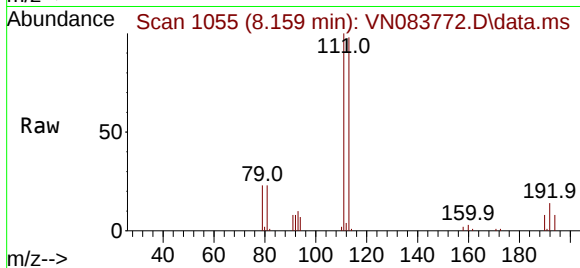
Tgt Ion:113 Resp: 78835

Ion Ratio Lower Upper

113 100

111 103.0 82.6 124.0

192 16.8 14.3 21.5



#36

1,1-Dichloropropene

Concen: 4.446 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN083772.D

Acq: 11 Sep 2024 05:14

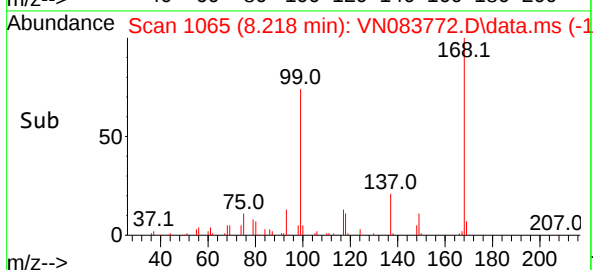
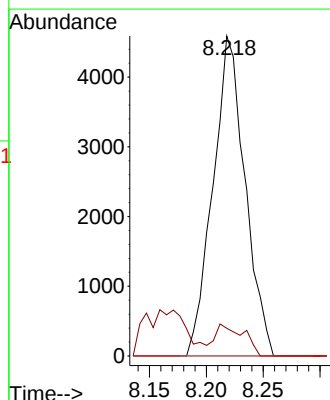
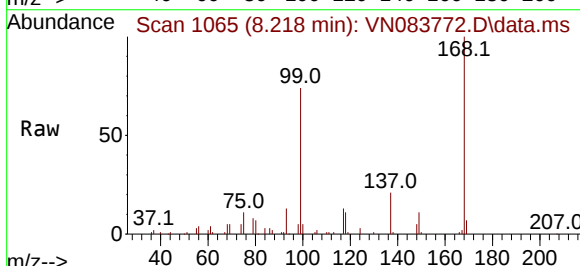
Tgt Ion: 75 Resp: 9018

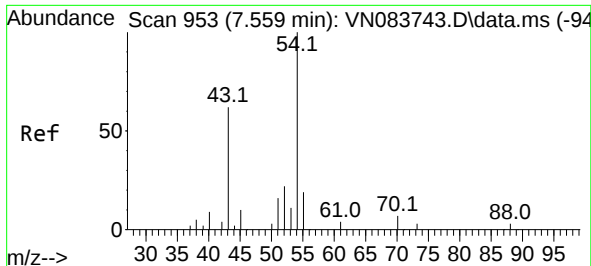
Ion Ratio Lower Upper

75 100

110 8.8 16.7 50.1#

77 0.0 25.2 37.8#

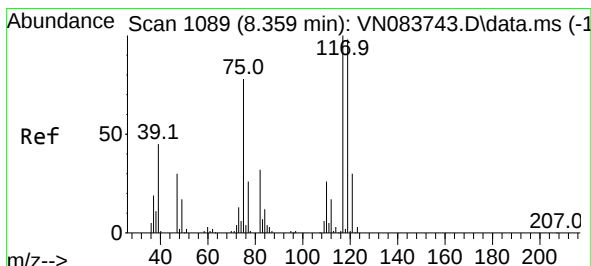
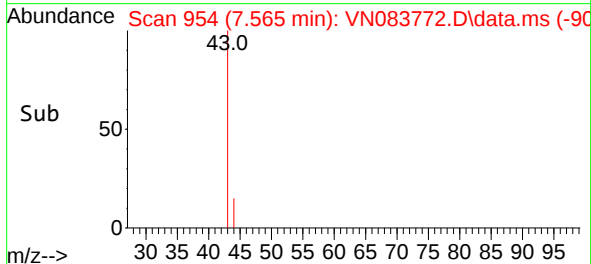
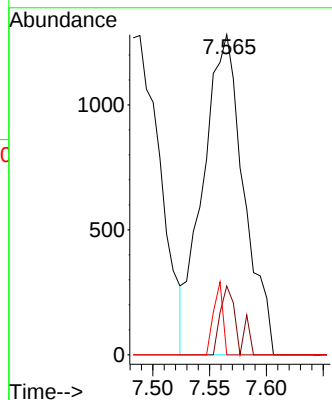
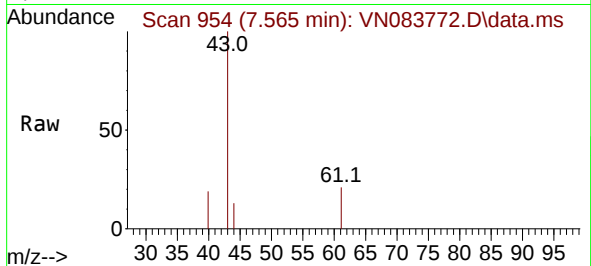




#37
Ethyl Acetate
Concen: 1.734 ug/l
RT: 7.565 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN083772.D
Acq: 11 Sep 2024 05:14

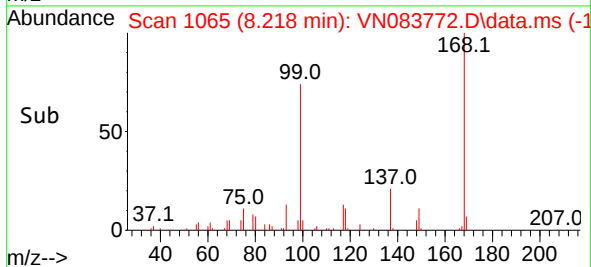
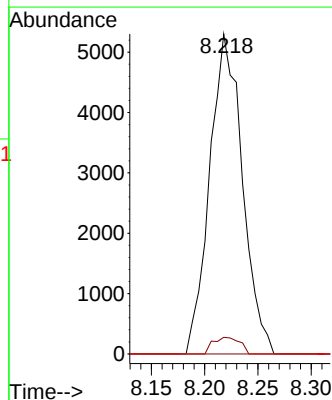
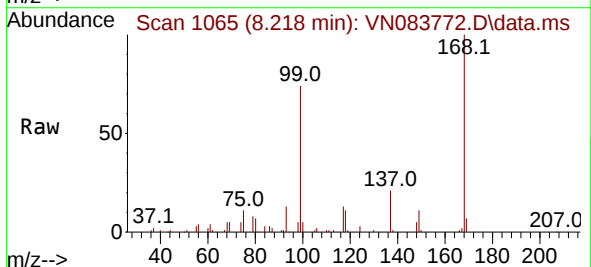
Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#02

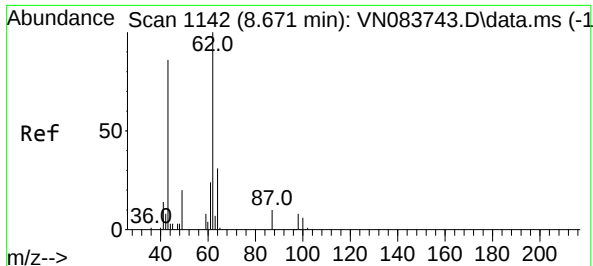
Tgt Ion: 43 Resp: 3193
Ion Ratio Lower Upper
43 100
61 9.0 11.1 16.7#
70 5.1 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 4.914 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN083772.D
Acq: 11 Sep 2024 05:14

Tgt Ion: 117 Resp: 11308
Ion Ratio Lower Upper
117 100
119 5.2 76.1 114.1#
121 0.0 24.1 36.1#





#42

1,2-Dichloroethane

Concen: 0.259 ug/l

RT: 8.671 min Scan# 1142

Delta R.T. 0.000 min

Lab File: VN083772.D

Acq: 11 Sep 2024 05:14

Instrument :

MSVOA_N

ClientSampleId :

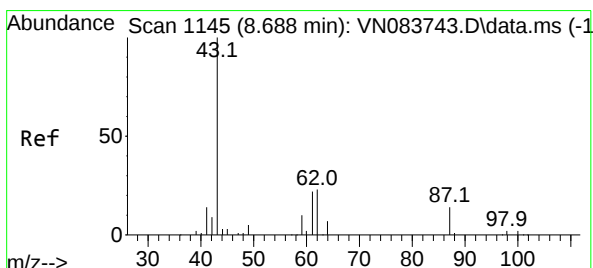
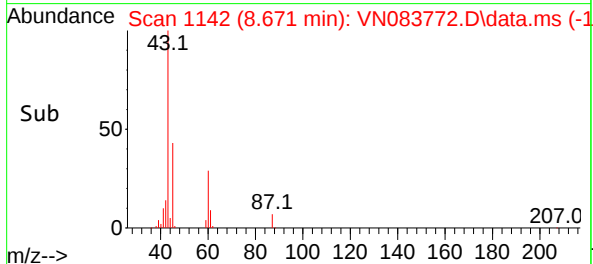
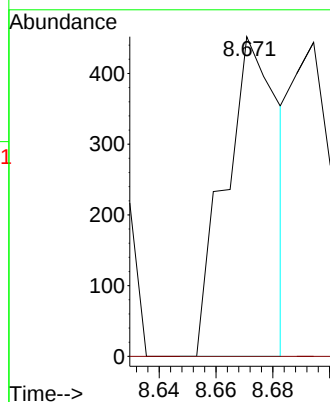
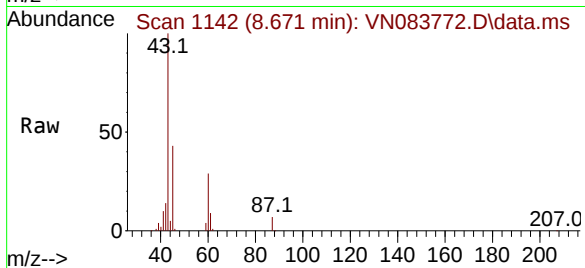
PB163204ZHE#02

Tgt Ion: 62 Resp: 590

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.6



#43

Isopropyl Acetate

Concen: 38.673 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN083772.D

Acq: 11 Sep 2024 05:14

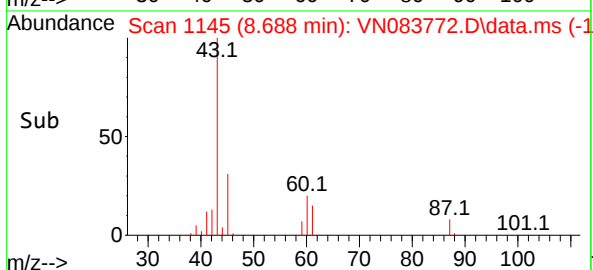
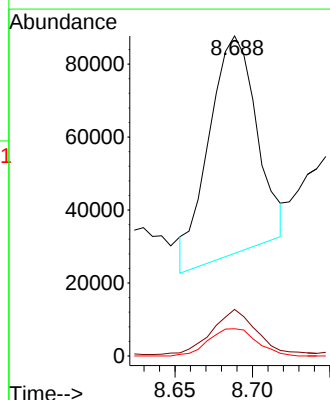
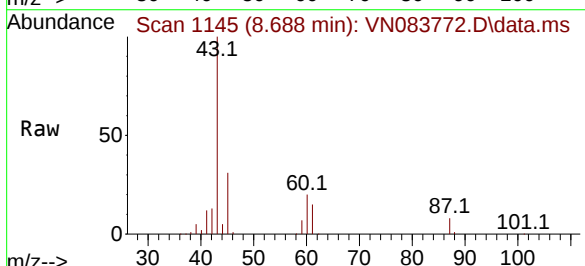
Tgt Ion: 43 Resp: 129039

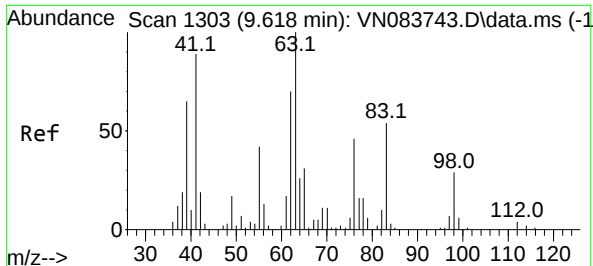
Ion Ratio Lower Upper

43 100

61 18.9 19.4 29.0#

87 12.4 9.8 14.6





#45

1,2-Dichloropropane

Concen: 1.109 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.129 min

Lab File: VN083772.D

Acq: 11 Sep 2024 05:14

Instrument :

MSVOA_N

ClientSampleId :

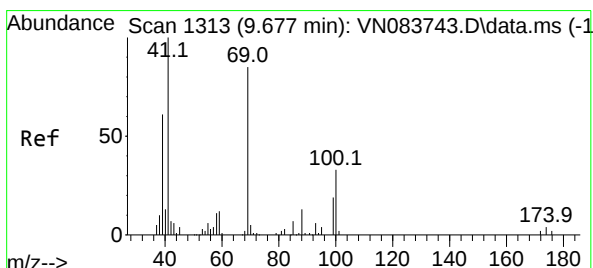
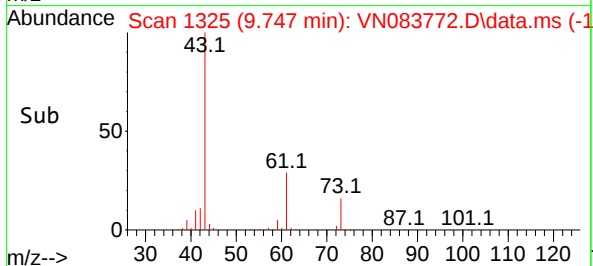
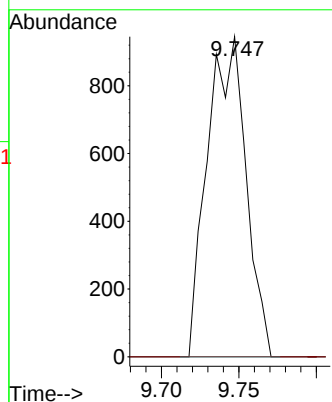
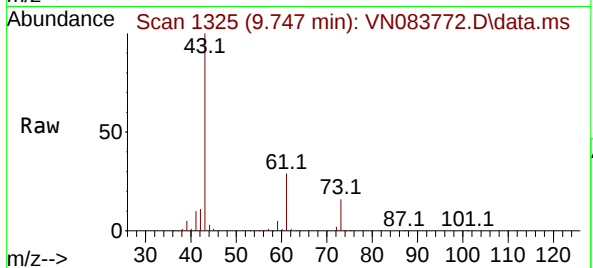
PB163204ZHE#02

Tgt Ion: 63 Resp: 1636

Ion Ratio Lower Upper

63 100

65 0.0 25.9 38.9#



#48

Methyl methacrylate

Concen: 2.001 ug/l

RT: 9.671 min Scan# 1312

Delta R.T. -0.006 min

Lab File: VN083772.D

Acq: 11 Sep 2024 05:14

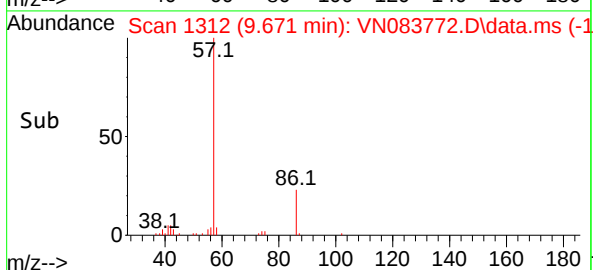
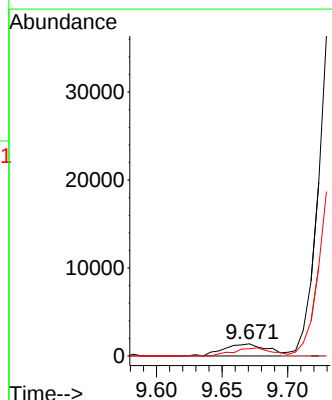
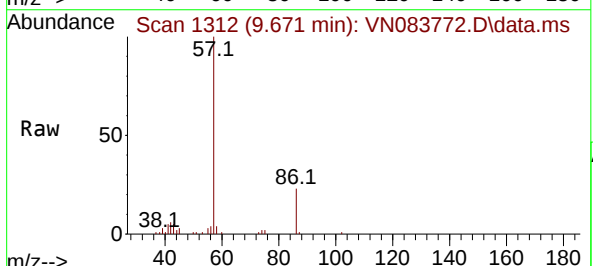
Tgt Ion: 41 Resp: 3167

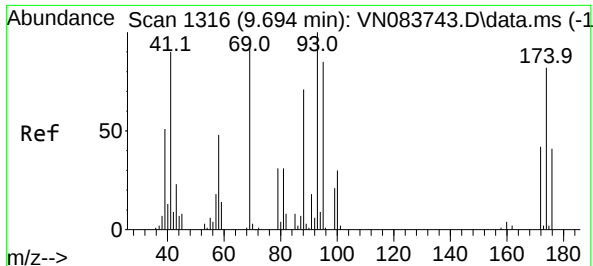
Ion Ratio Lower Upper

41 100

69 0.0 64.3 96.5#

39 58.0 48.9 73.3





#49

1,4-Dioxane

Concen: 2.611 ug/l

RT: 9.735 min Scan# 1

Delta R.T. 0.041 min

Lab File: VN083772.D

Acq: 11 Sep 2024 05:14

Instrument :

MSVOA_N

ClientSampleId :

PB163204ZHE#02

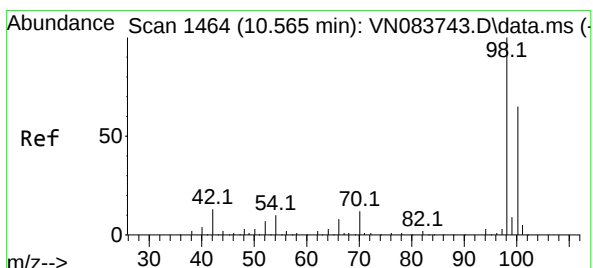
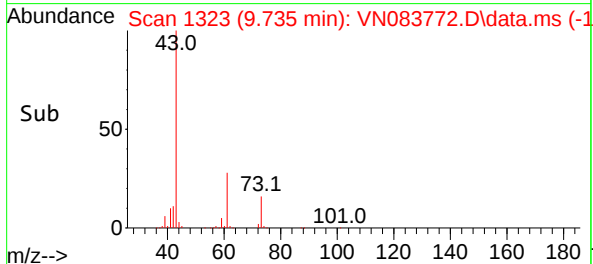
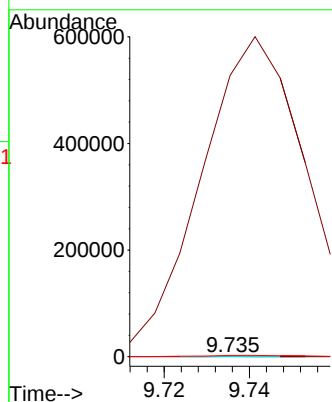
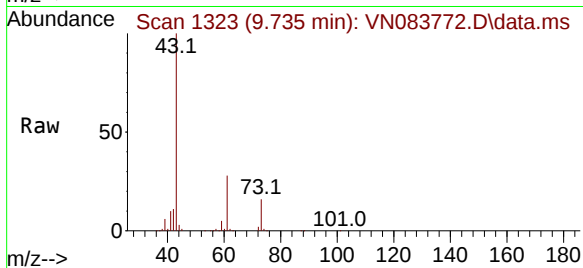
Tgt Ion: 88 Resp: 68

Ion Ratio Lower Upper

88 100

43 1568798.5 0.0 0.0#

58 6313.2 57.1 85.7#



#50

Toluene-d8

Concen: 61.398 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN083772.D

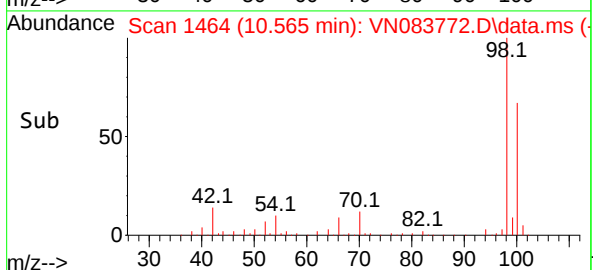
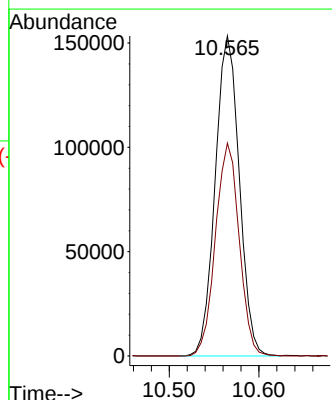
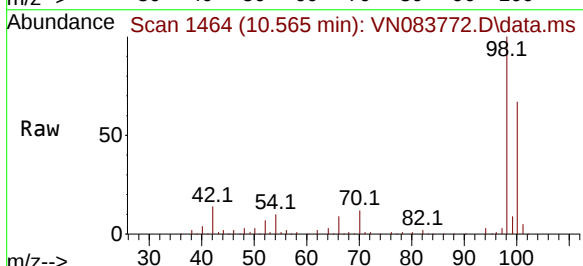
Acq: 11 Sep 2024 05:14

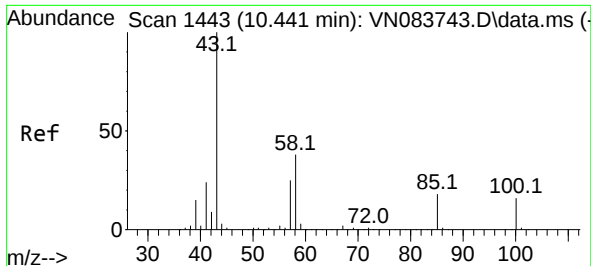
Tgt Ion: 98 Resp: 286063

Ion Ratio Lower Upper

98 100

100 65.5 52.0 78.0

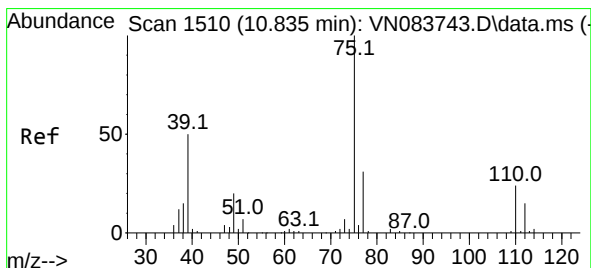
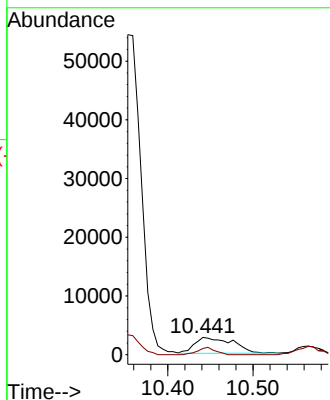
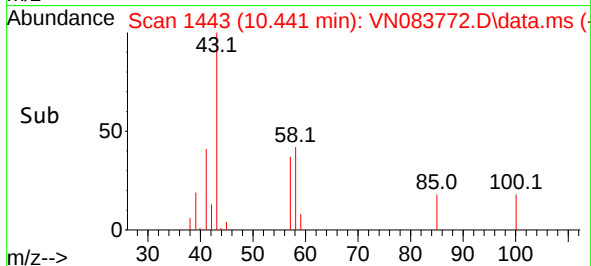
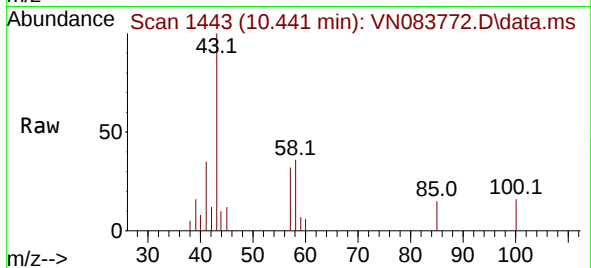




#51
4-Methyl-2-Pentanone
Concen: 4.699 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN083772.D
Acq: 11 Sep 2024 05:14

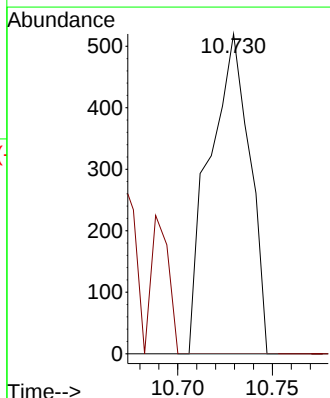
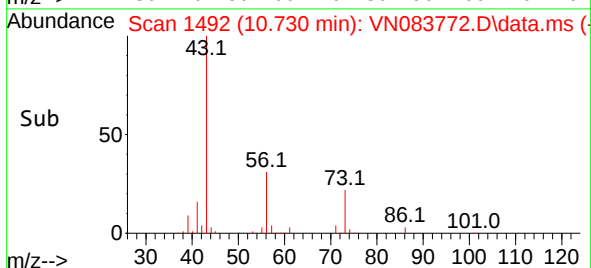
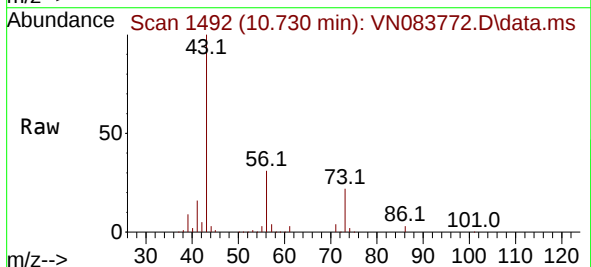
Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#02

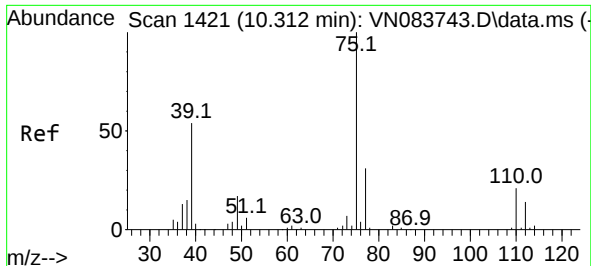
Tgt Ion: 43 Resp: 8535
Ion Ratio Lower Upper
43 100
58 20.7 31.6 47.4#



#53
t-1,3-Dichloropropene
Concen: 0.338 ug/l
RT: 10.730 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN083772.D
Acq: 11 Sep 2024 05:14

Tgt Ion: 75 Resp: 767
Ion Ratio Lower Upper
75 100
77 0.0 25.8 38.6#

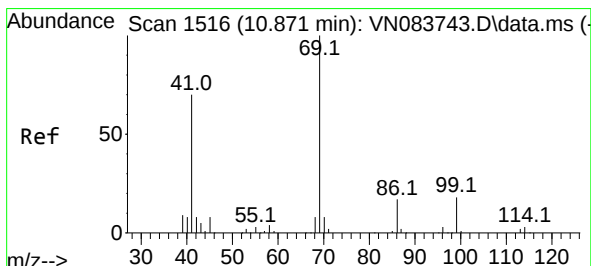
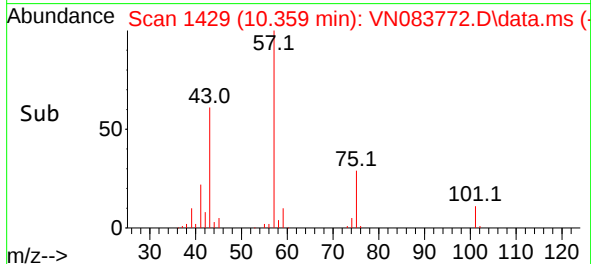
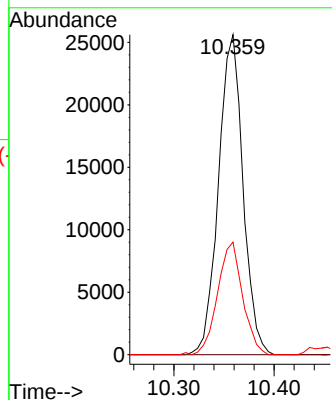
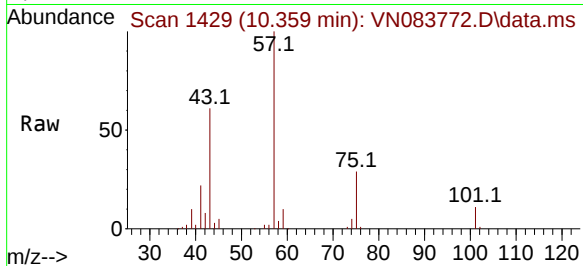




#54
 cis-1,3-Dichloropropene
 Concen: 18.231 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN083772.D
 Acq: 11 Sep 2024 05:14

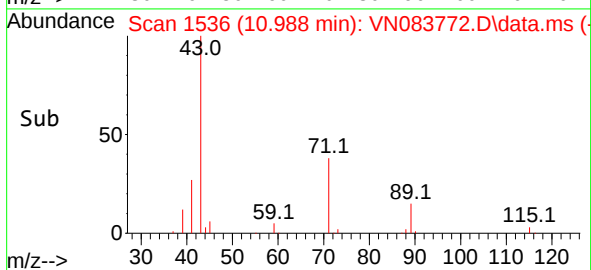
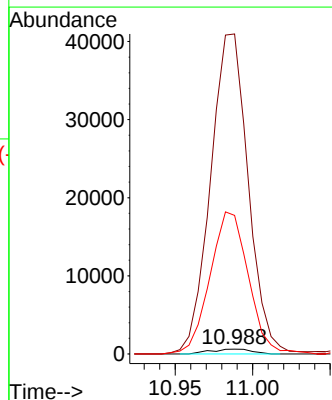
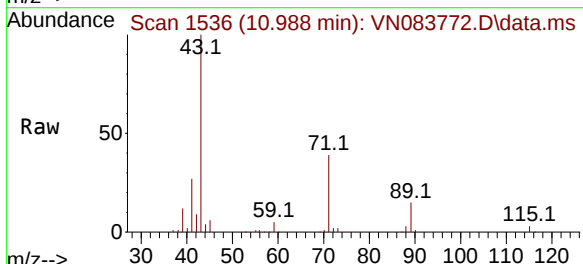
Instrument :
 MSVOA_N
 ClientSampleId :
 PB163204ZHE#02

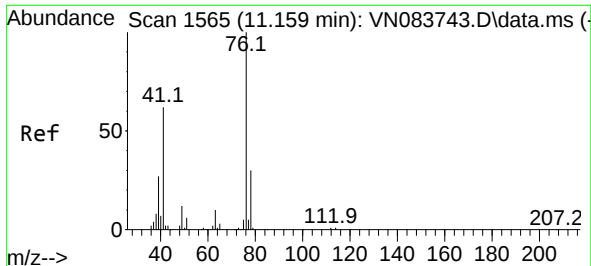
Tgt Ion: 75 Resp: 43423
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.6#
 39 35.2 42.6 64.0#



#56
 Ethyl methacrylate
 Concen: 0.537 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.118 min
 Lab File: VN083772.D
 Acq: 11 Sep 2024 05:14

Tgt Ion: 69 Resp: 1151
 Ion Ratio Lower Upper
 69 100
 41 6033.7 53.9 80.9#
 39 2727.4 32.6 48.8#





#57

1,3-Dichloropropane

Concen: 2.206 ug/l

RT: 11.206 min Scan# 11

Delta R.T. 0.047 min

Lab File: VN083772.D

Acq: 11 Sep 2024 05:14

Instrument :

MSVOA_N

ClientSampleId :

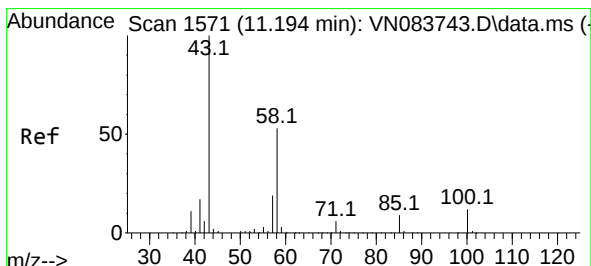
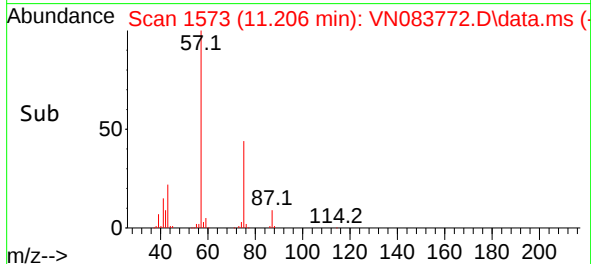
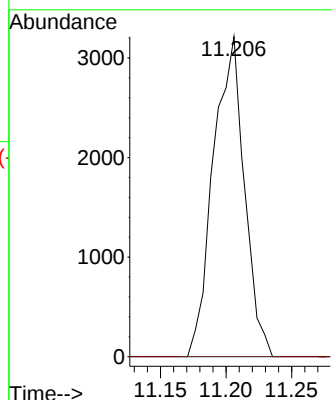
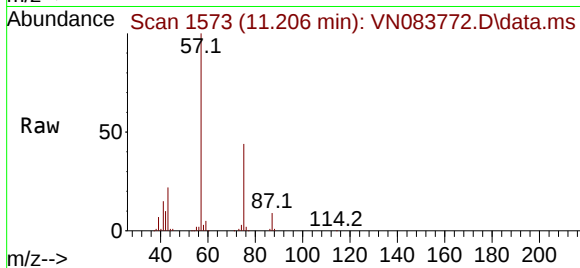
PB163204ZHE#02

Tgt Ion: 76 Resp: 5285

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 81.227 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.023 min

Lab File: VN083772.D

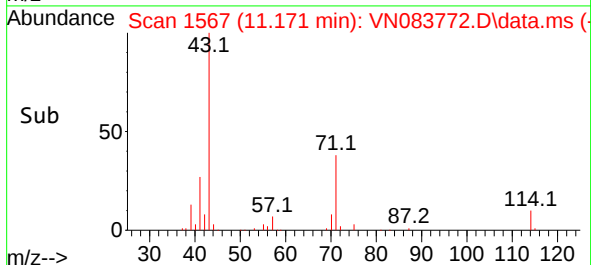
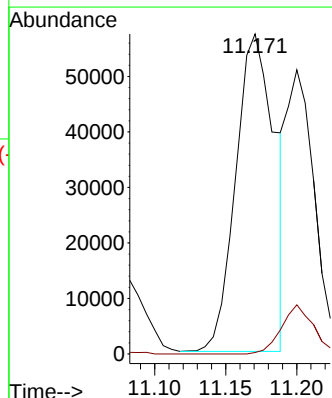
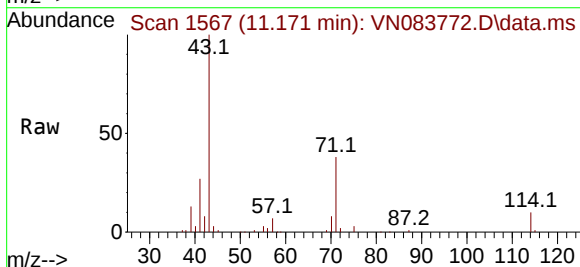
Acq: 11 Sep 2024 05:14

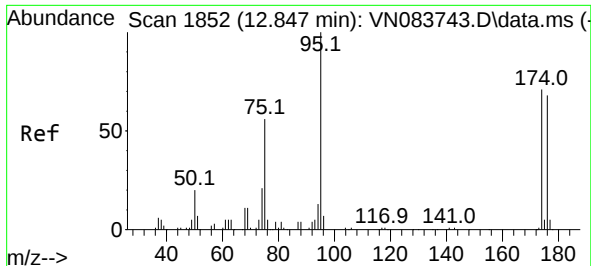
Tgt Ion: 43 Resp: 109134

Ion Ratio Lower Upper

43 100

58 0.0 27.2 81.5#

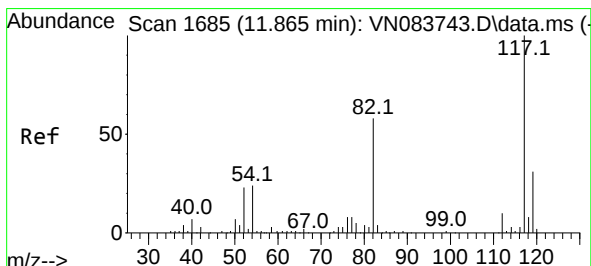
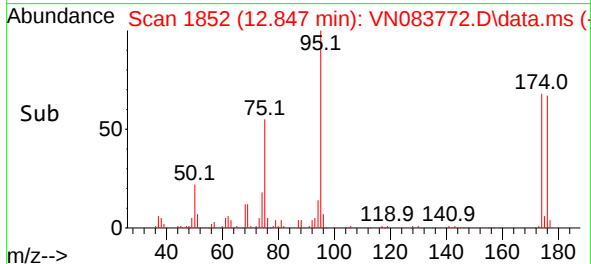
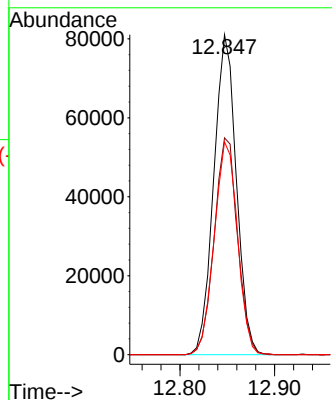
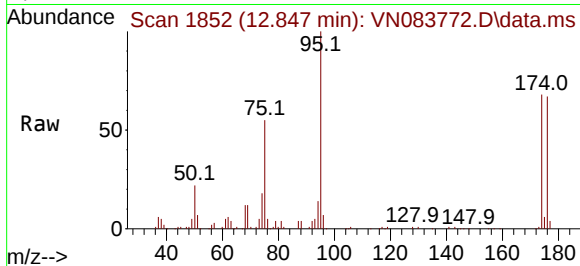




#62
4-Bromofluorobenzene
Concen: 69.855 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN083772.D
Acq: 11 Sep 2024 05:14

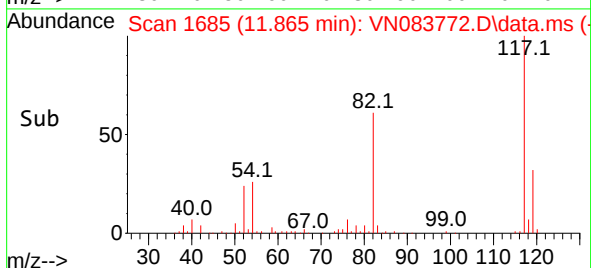
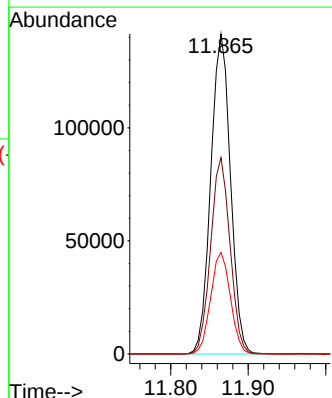
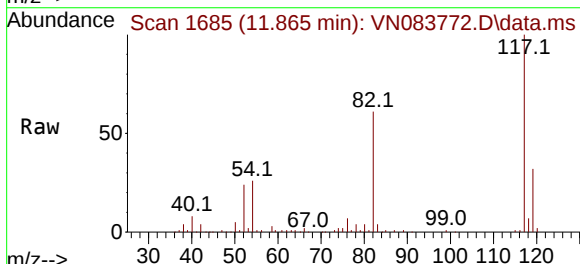
Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#02

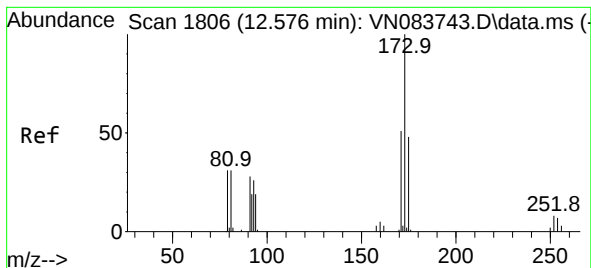
Tgt Ion: 95 Resp: 134279
Ion Ratio Lower Upper
95 100
174 69.9 0.0 139.8
176 68.6 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN083772.D
Acq: 11 Sep 2024 05:14

Tgt Ion: 117 Resp: 249763
Ion Ratio Lower Upper
117 100
82 61.4 47.4 71.0
119 31.7 26.3 39.5





#71

Bromoform

Concen: 0.561 ug/l

RT: 12.847 min Scan# 1806

Delta R.T. 0.271 min

Lab File: VN083772.D

Acq: 11 Sep 2024 05:14

Instrument :

MSVOA_N

ClientSampleId :

PB163204ZHE#02

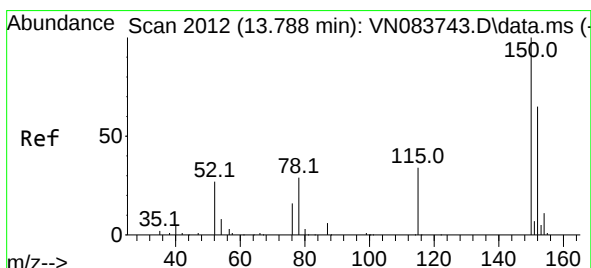
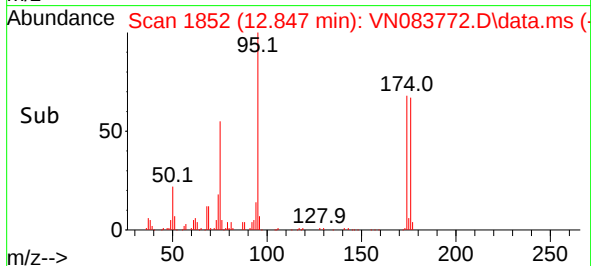
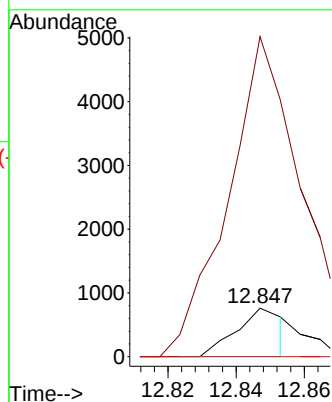
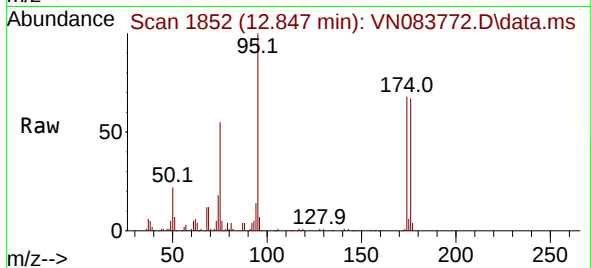
Tgt Ion:173 Resp: 728

Ion Ratio Lower Upper

173 100

175 767.0 24.1 72.2#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. 0.000 min

Lab File: VN083772.D

Acq: 11 Sep 2024 05:14

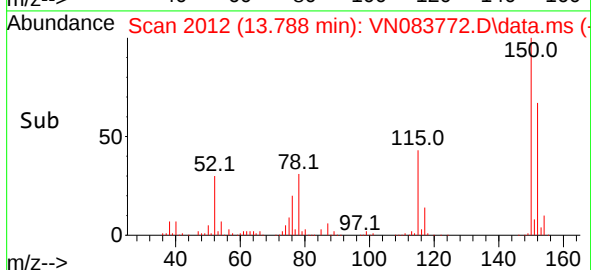
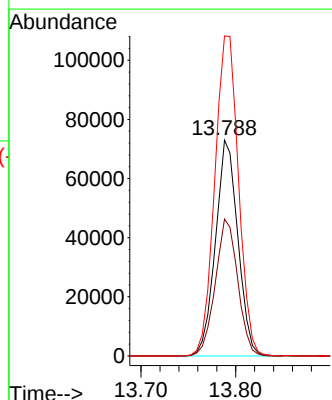
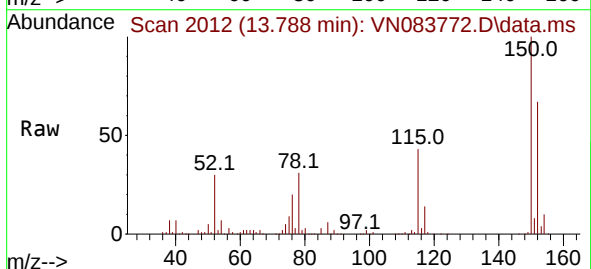
Tgt Ion:152 Resp: 119820

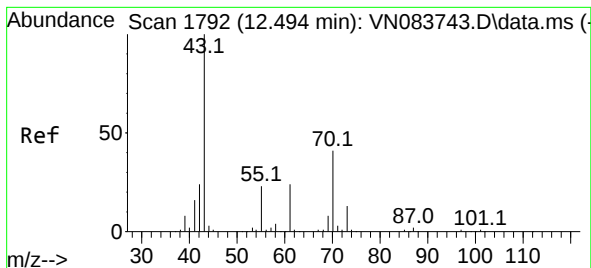
Ion Ratio Lower Upper

152 100

115 63.7 32.2 96.6

150 157.4 0.0 348.6





#74

N-amy1 acetate

Concen: 0.441 ug/l

RT: 12.482 min Scan# 1

Delta R.T. -0.012 min

Lab File: VN083772.D

Acq: 11 Sep 2024 05:14

Instrument :

MSVOA_N

ClientSampleId :

PB163204ZHE#02

Tgt Ion: 43 Resp: 1744

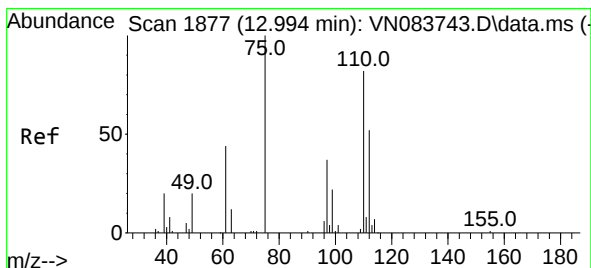
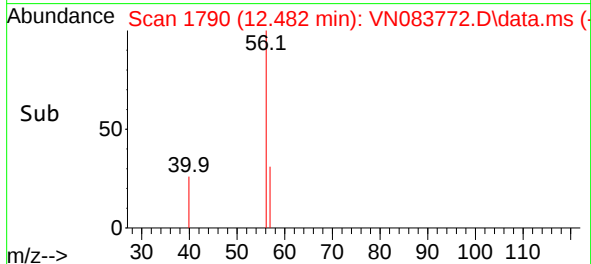
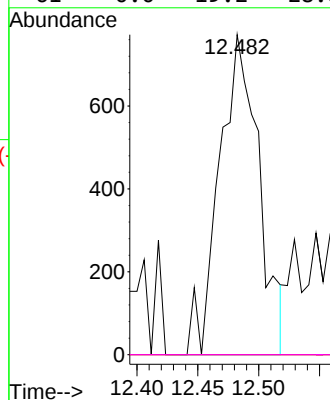
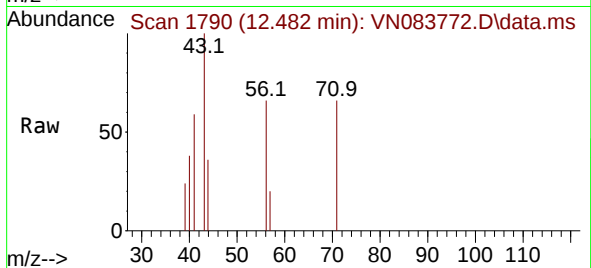
Ion Ratio Lower Upper

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: 31.832 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN083772.D

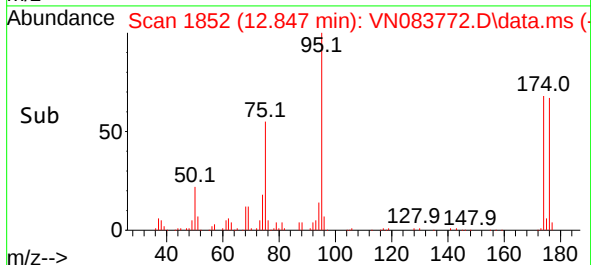
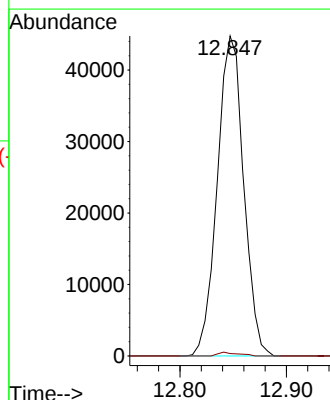
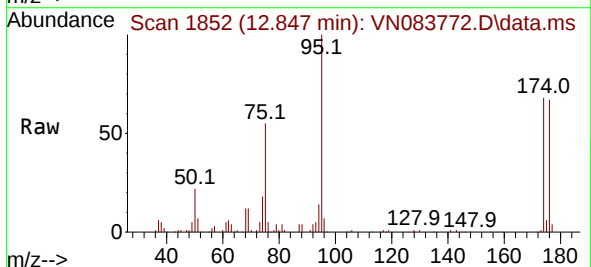
Acq: 11 Sep 2024 05:14

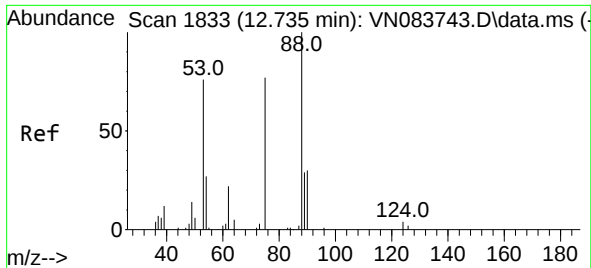
Tgt Ion: 75 Resp: 76962

Ion Ratio Lower Upper

75 100

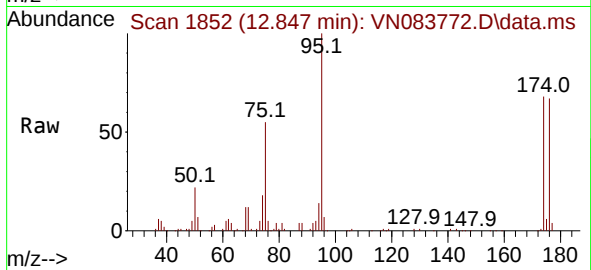
77 0.9 95.2 285.6#





#81
trans-1,4-Dichloro-2-butene
Concen: 83.371 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN083772.D
Acq: 11 Sep 2024 05:14

Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#02



Tgt Ion: 75 Resp: 76962
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#

