

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091024\
 Data File : VN083774.D
 Acq On : 11 Sep 2024 06:02
 Operator : JC\MD
 Sample : PB163204ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB163204ZHE#04

Quant Time: Sep 11 06:52:14 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

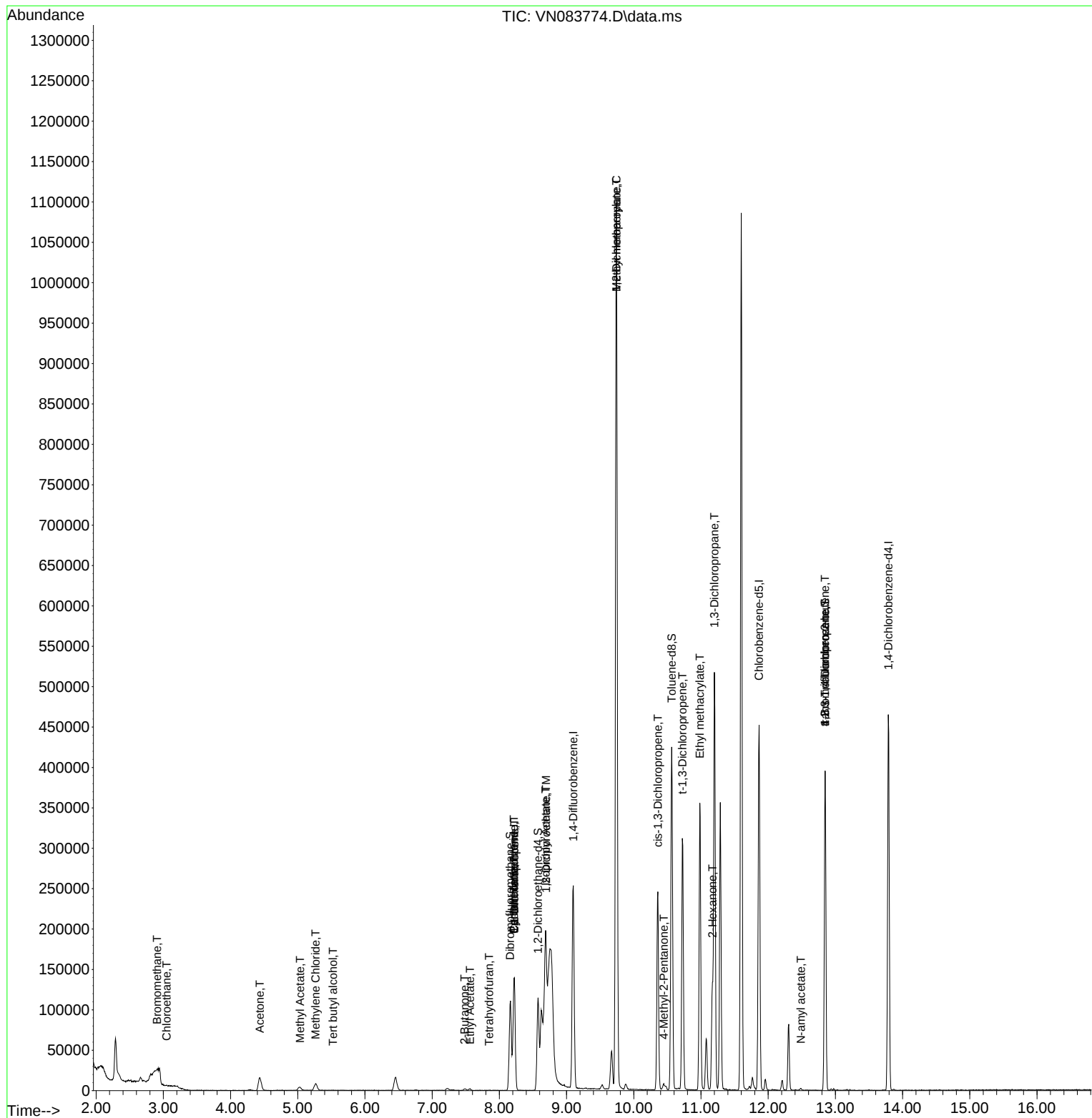
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	94956	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	209686	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	246613	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	118284	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	97680	68.222	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 136.440%#	
35) Dibromofluoromethane	8.159	113	77671	57.861	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 115.720%	
50) Toluene-d8	10.565	98	281365	60.630	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 121.260%#	
62) 4-Bromofluorobenzene	12.847	95	131351	68.604	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 137.200%#	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	984	Below Cal	#	41
5) Bromomethane	2.906	94	233	0.336	ug/l #	2
6) Chloroethane	3.048	64	1193	1.423	ug/l #	45
11) Tert butyl alcohol	5.524	59	67	0.349	ug/l #	71
16) Acetone	4.436	43	30047	52.349	ug/l #	88
18) Methyl Acetate	5.036	43	8736	5.659	ug/l	98
20) Methylene Chloride	5.265	84	6652	5.663	ug/l #	83
25) 2-Butanone	7.483	43	3650	4.838	ug/l #	88
29) Tetrahydrofuran	7.847	42	281	0.630	ug/l #	32
31) Cyclohexane	8.218	56	2921	1.412	ug/l #	31
36) 1,1-Dichloropropene	8.224	75	8903	4.406	ug/l #	50
37) Ethyl Acetate	7.565	43	3458	1.886	ug/l #	75
38) Carbon Tetrachloride	8.218	117	11223	4.896	ug/l #	16
42) 1,2-Dichloroethane	8.694	62	886	0.390	ug/l #	77
43) Isopropyl Acetate	8.688	43	147895	44.500	ug/l #	89
45) 1,2-Dichloropropane	9.741	63	1334	0.908	ug/l #	42
48) Methyl methacrylate	9.741	41	106081	67.277	ug/l #	45
51) 4-Methyl-2-Pentanone	10.447	43	9082	5.020	ug/l #	71
53) t-1,3-Dichloropropene	10.724	75	672	0.298	ug/l #	42
54) cis-1,3-Dichloropropene	10.359	75	42635	17.972	ug/l #	62
56) Ethyl methacrylate	10.982	69	1120	0.524	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5249	2.199	ug/l #	42
59) 2-Hexanone	11.171	43	107379	80.238	ug/l #	24
74) N-amyl acetate	12.488	43	2026	0.519	ug/l #	43
76) 1,2,3-Trichloropropane	12.847	75	74734	31.312	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	74734	82.009	ug/l #	9

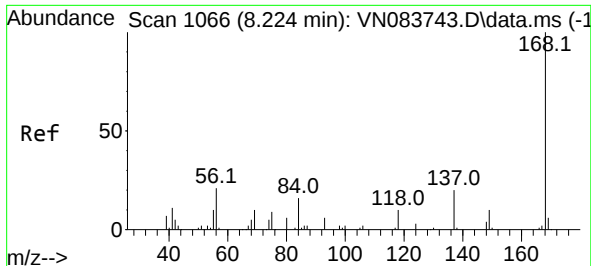
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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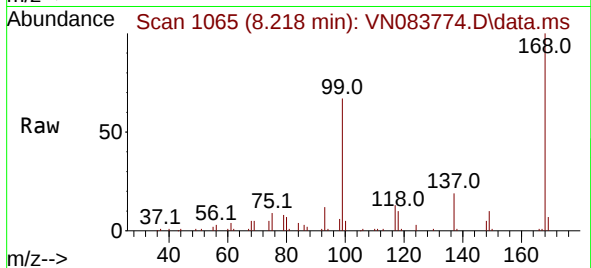
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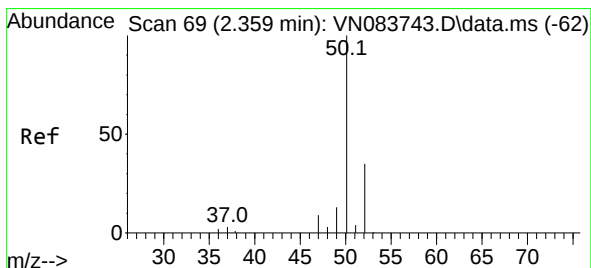
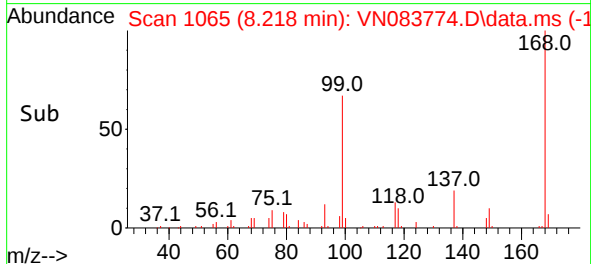
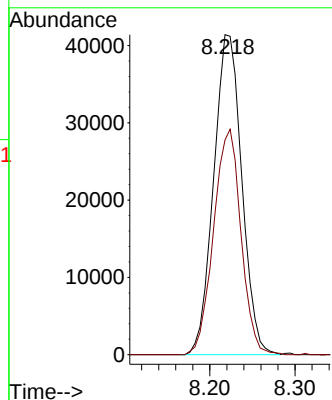


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN083774.D
Acq: 11 Sep 2024 06:02

Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#04

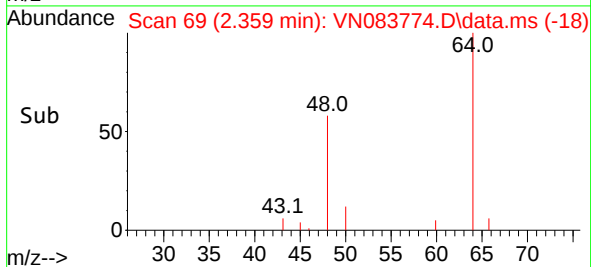
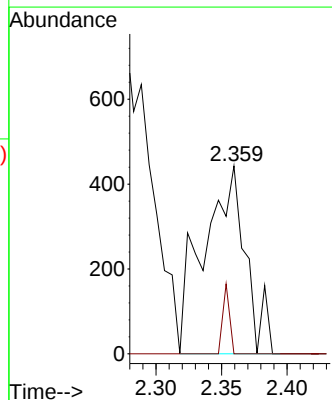
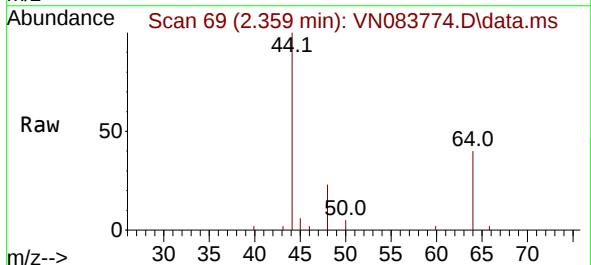


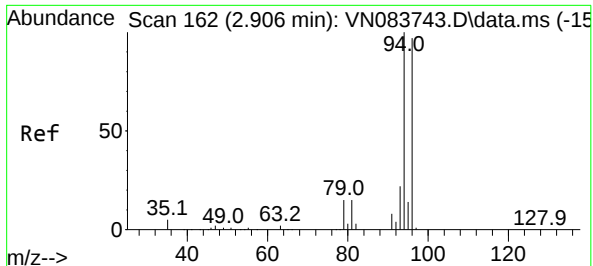
Tgt Ion:168 Resp: 94956
Ion Ratio Lower Upper
168 100
99 67.1 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN083774.D
Acq: 11 Sep 2024 06:02

Tgt Ion: 50 Resp: 984
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#

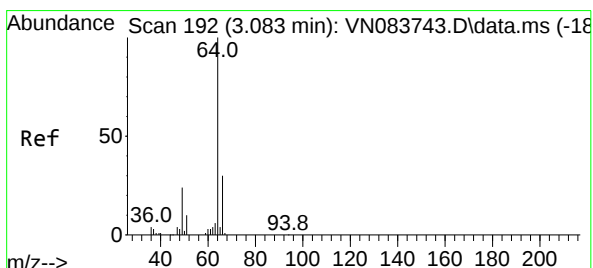
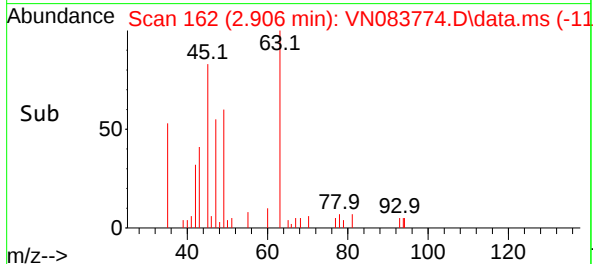
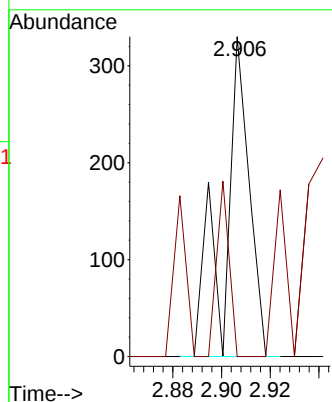
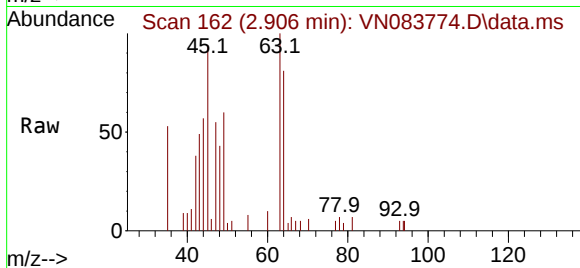




#5
Bromomethane
Concen: 0.336 ug/l
RT: 2.906 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN083774.D
Acq: 11 Sep 2024 06:02

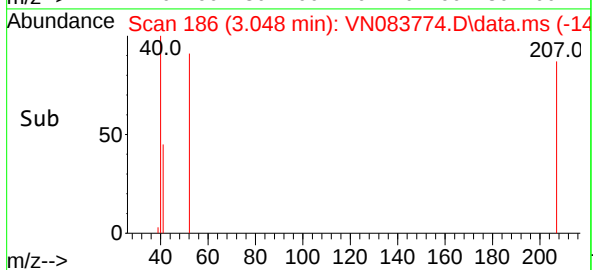
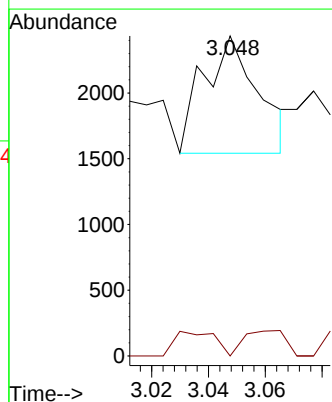
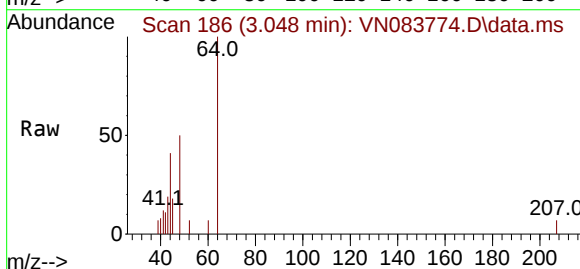
Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#04

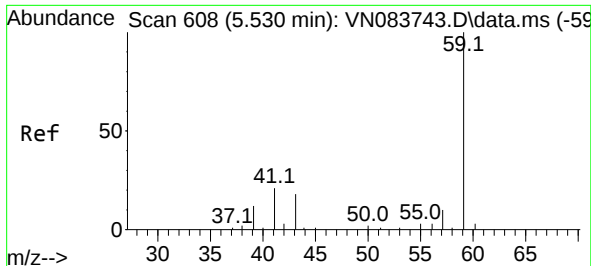
Tgt Ion: 94 Resp: 233
Ion Ratio Lower Upper
94 100
96 0.0 76.0 114.0#



#6
Chloroethane
Concen: 1.423 ug/l
RT: 3.048 min Scan# 186
Delta R.T. -0.035 min
Lab File: VN083774.D
Acq: 11 Sep 2024 06:02

Tgt Ion: 64 Resp: 1193
Ion Ratio Lower Upper
64 100
66 0.0 23.9 35.9#

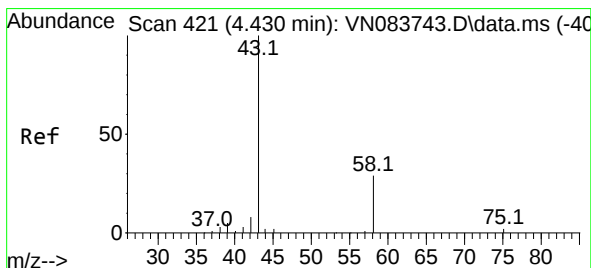
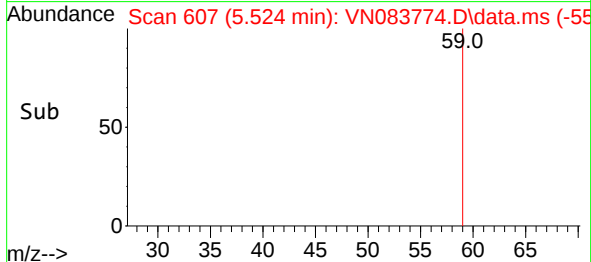
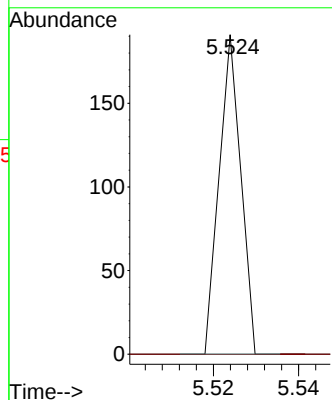
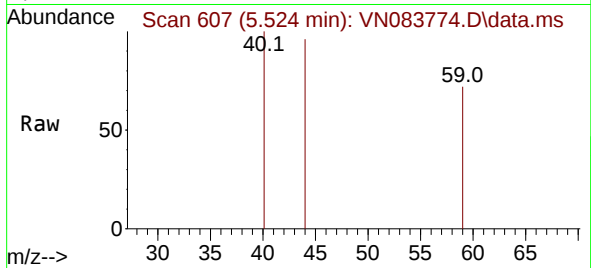




#11
Tert butyl alcohol
Concen: 0.349 ug/l
RT: 5.524 min Scan# 607
Delta R.T. -0.006 min
Lab File: VN083774.D
Acq: 11 Sep 2024 06:02

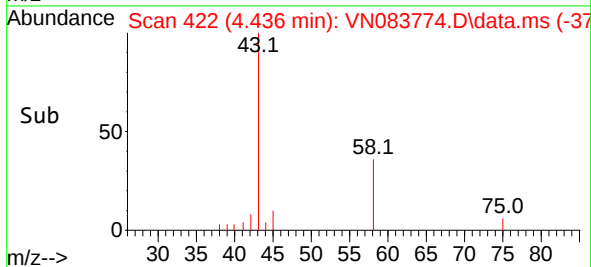
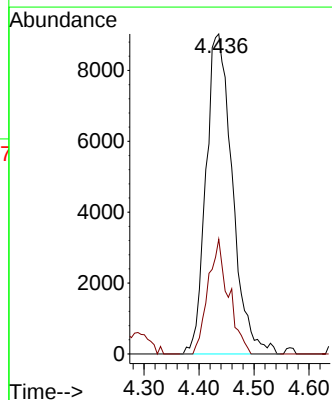
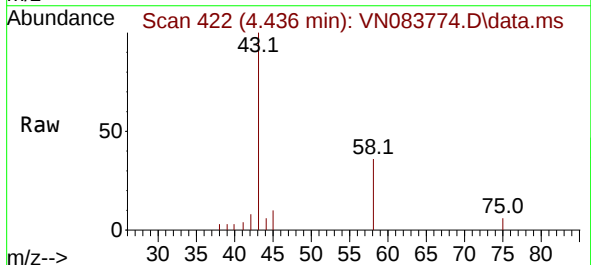
Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#04

Tgt Ion: 59 Resp: 67
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#16
Acetone
Concen: 52.349 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN083774.D
Acq: 11 Sep 2024 06:02

Tgt Ion: 43 Resp: 30047
Ion Ratio Lower Upper
43 100
58 35.8 23.7 35.5#

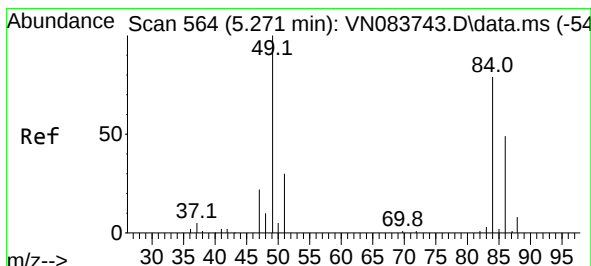
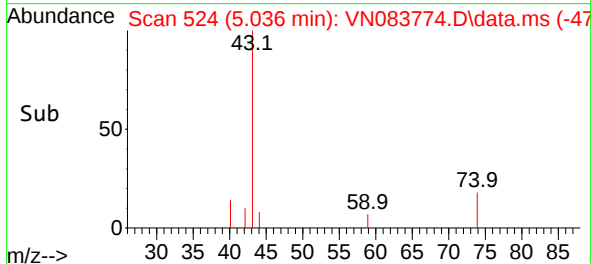
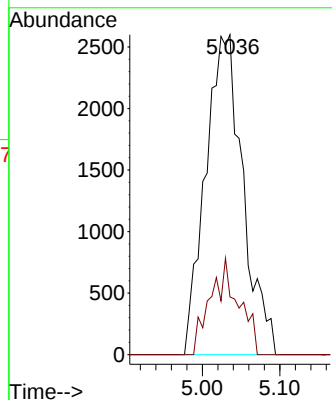
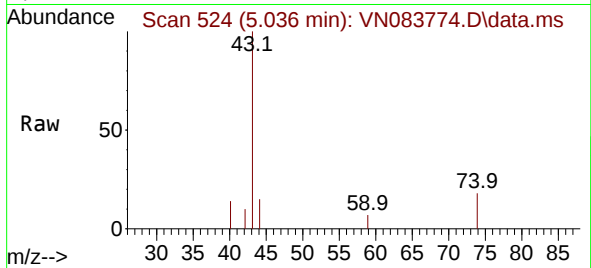




#18
Methyl Acetate
Concen: 5.659 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN083774.D
Acq: 11 Sep 2024 06:02

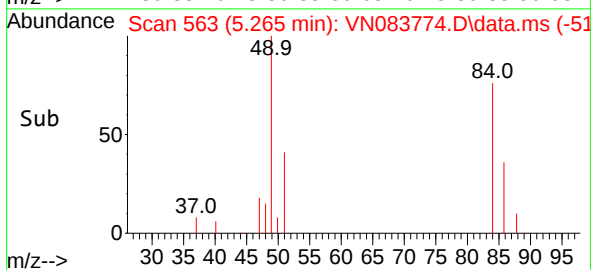
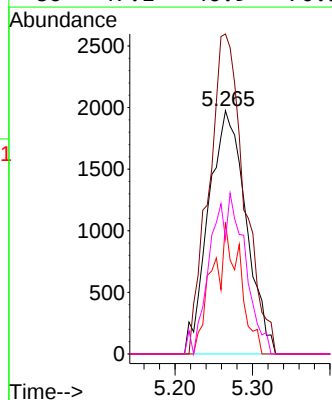
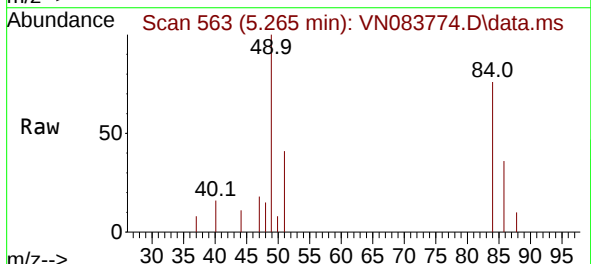
Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#04

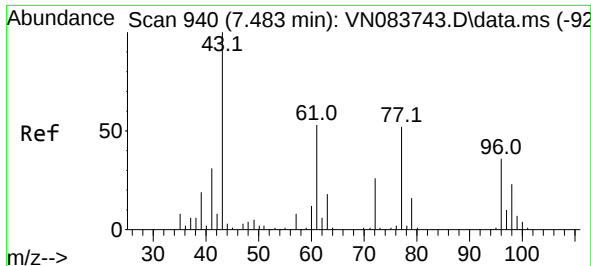
Tgt Ion: 43 Resp: 8736
Ion Ratio Lower Upper
43 100
74 22.7 19.0 28.4



#20
Methylene Chloride
Concen: 5.663 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.006 min
Lab File: VN083774.D
Acq: 11 Sep 2024 06:02

Tgt Ion: 84 Resp: 6652
Ion Ratio Lower Upper
84 100
49 131.5 93.4 140.0
51 54.2 29.2 43.8#
86 47.1 46.9 70.3





#25

2-Butanone

Concen: 4.838 ug/l

RT: 7.483 min Scan# 940

Delta R.T. -0.000 min

Lab File: VN083774.D

Acq: 11 Sep 2024 06:02

Instrument :

MSVOA_N

ClientSampleId :

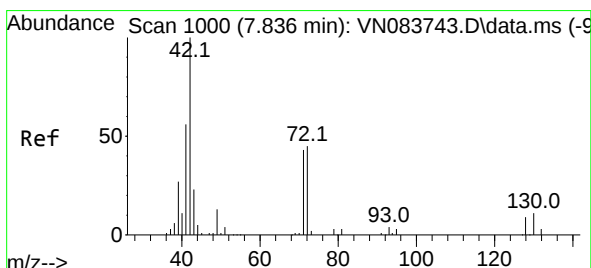
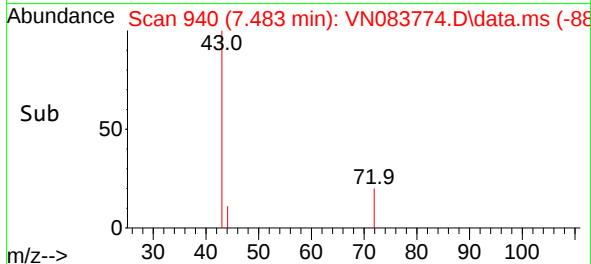
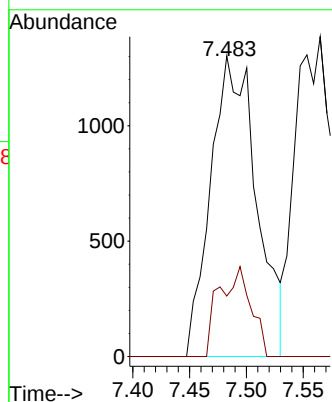
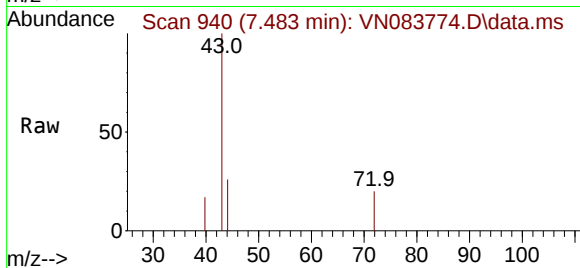
PB163204ZHE#04

Tgt Ion: 43 Resp: 3650

Ion Ratio Lower Upper

43 100

72 20.1 20.8 31.2#



#29

Tetrahydrofuran

Concen: 0.630 ug/l

RT: 7.847 min Scan# 1002

Delta R.T. 0.012 min

Lab File: VN083774.D

Acq: 11 Sep 2024 06:02

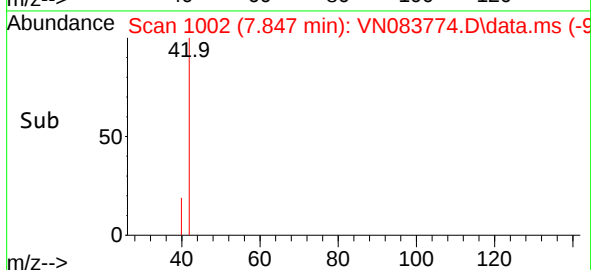
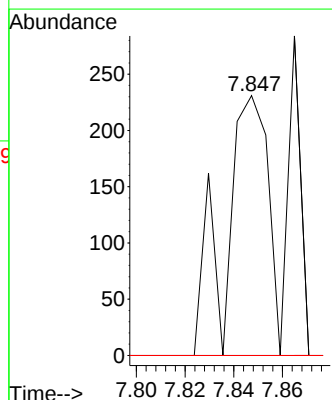
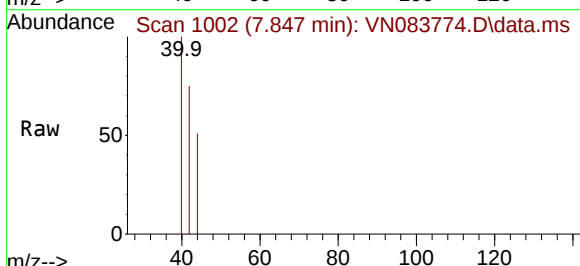
Tgt Ion: 42 Resp: 281

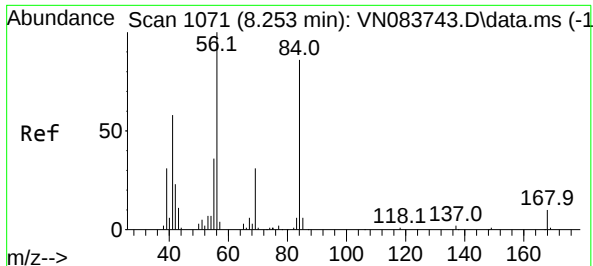
Ion Ratio Lower Upper

42 100

72 0.0 35.9 53.9#

71 0.0 33.9 50.9#





#31

Cyclohexane

Concen: 1.412 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.035 min

Lab File: VN083774.D

Acq: 11 Sep 2024 06:02

Instrument :

MSVOA_N

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PB163204ZHE#04

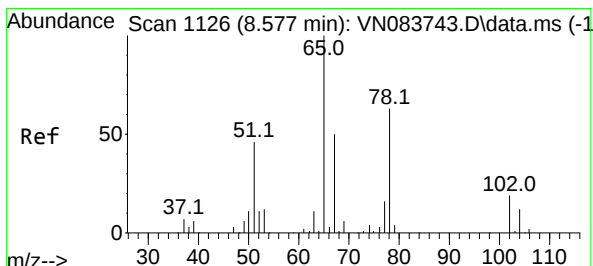
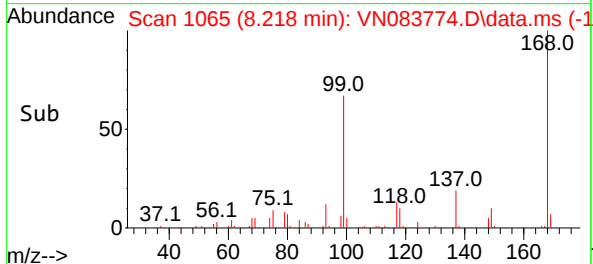
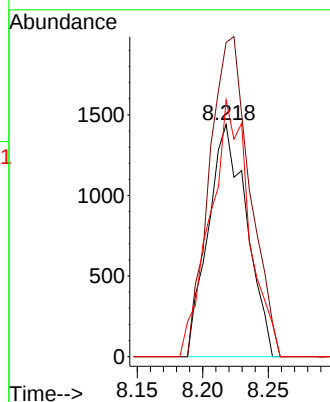
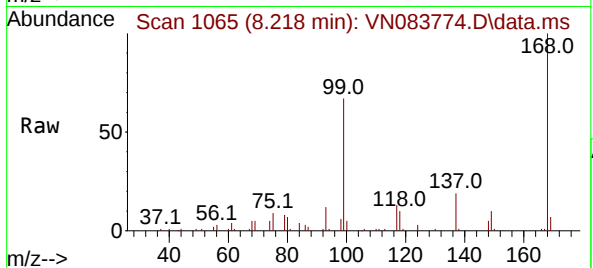
Tgt Ion: 56 Resp: 2921

Ion Ratio Lower Upper

56 100

69 135.3 26.9 40.3#

84 110.6 69.2 103.8#



#33

1,2-Dichloroethane-d4

Concen: 68.222 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN083774.D

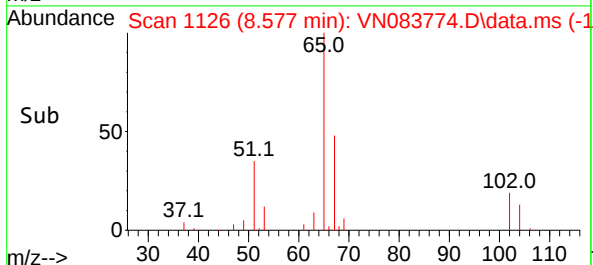
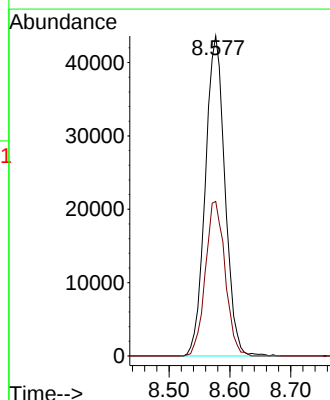
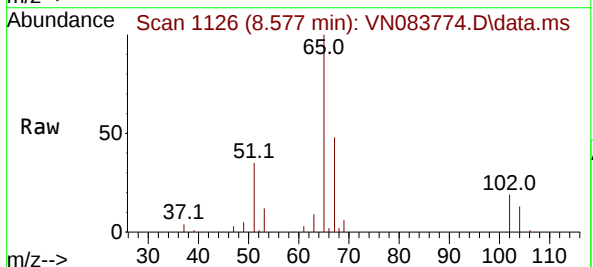
Acq: 11 Sep 2024 06:02

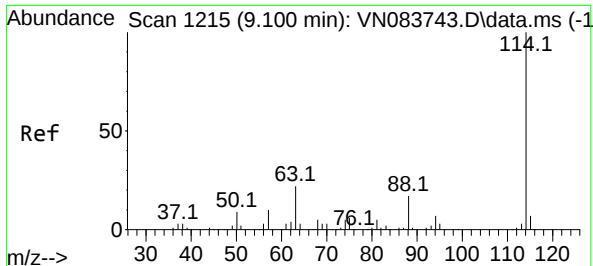
Tgt Ion: 65 Resp: 97680

Ion Ratio Lower Upper

65 100

67 48.5 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: VN083774.D

Acq: 11 Sep 2024 06:02

Instrument :

MSVOA_N

ClientSampleId :

PB163204ZHE#04

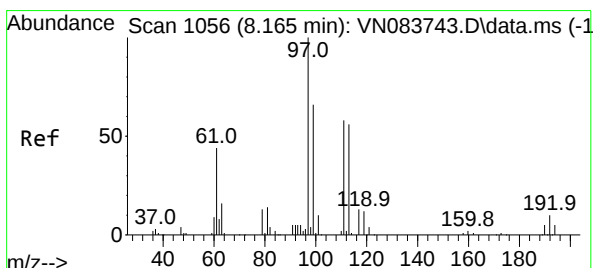
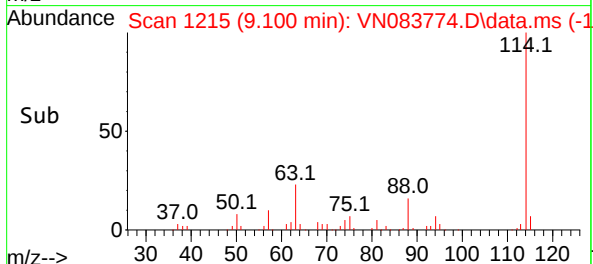
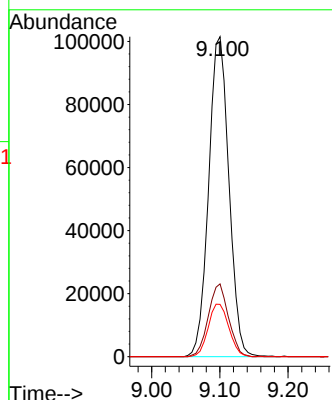
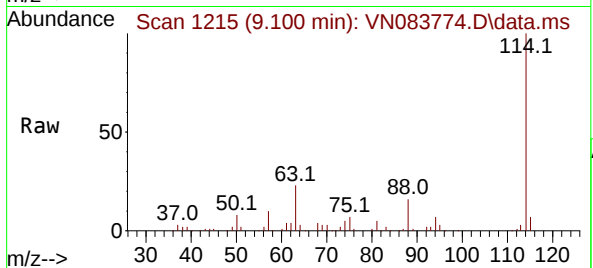
Tgt Ion:114 Resp: 209686

Ion Ratio Lower Upper

114 100

63 22.8 0.0 43.4

88 16.3 0.0 32.6



#35

Dibromofluoromethane

Concen: 57.861 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN083774.D

Acq: 11 Sep 2024 06:02

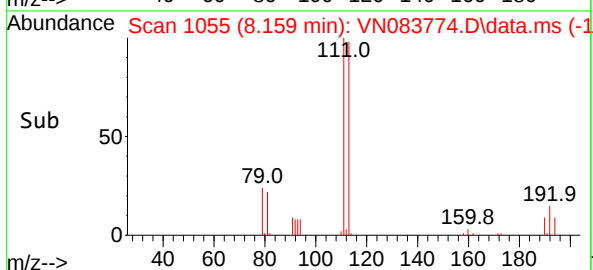
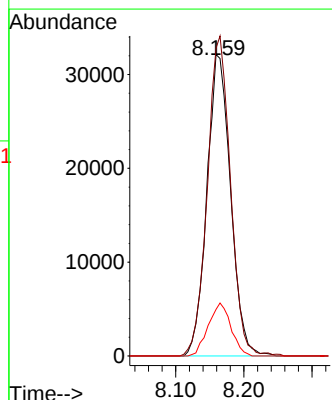
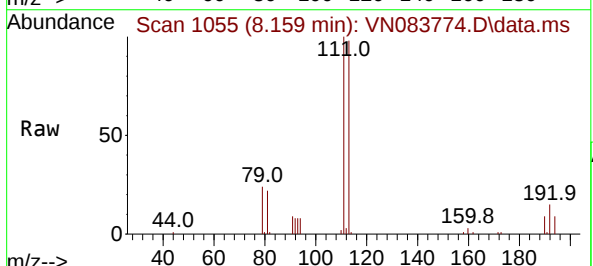
Tgt Ion:113 Resp: 77671

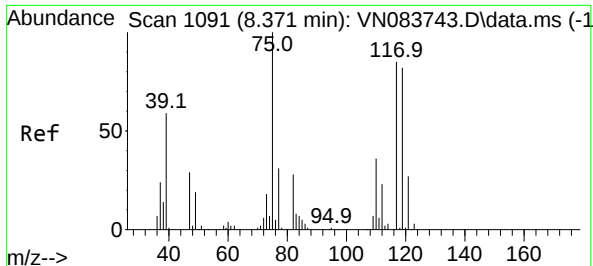
Ion Ratio Lower Upper

113 100

111 103.7 82.6 124.0

192 16.8 14.3 21.5





#36

1,1-Dichloropropene

Concen: 4.406 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN083774.D

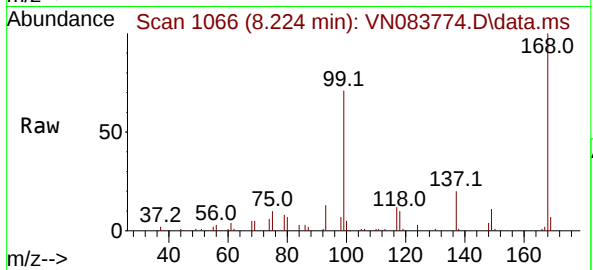
Acq: 11 Sep 2024 06:02

Instrument :

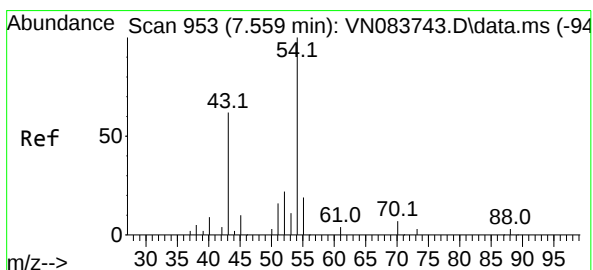
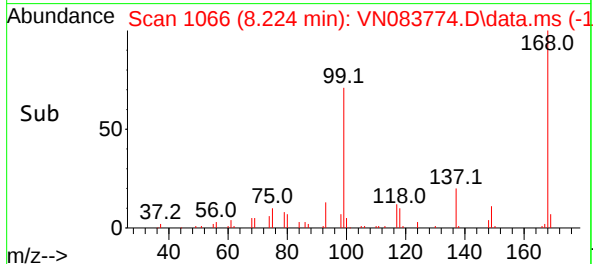
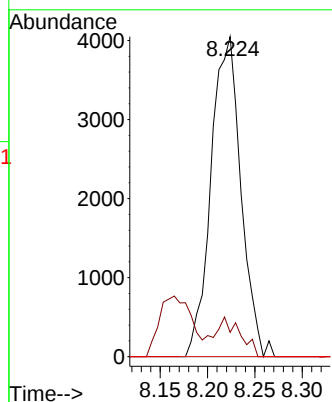
MSVOA_N

ClientSampleId :

PB163204ZHE#04



Tgt Ion:	75	Resp:	8903
Ion	Ratio	Lower	Upper
75	100		
110	8.8	16.7	50.1#
77	0.0	25.2	37.8#



#37

Ethyl Acetate

Concen: 1.886 ug/l

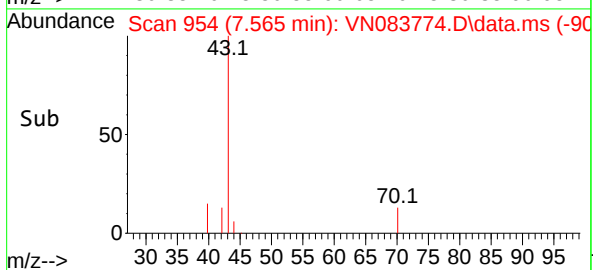
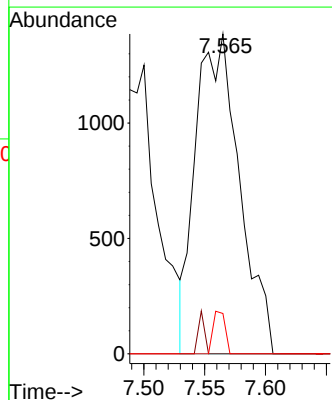
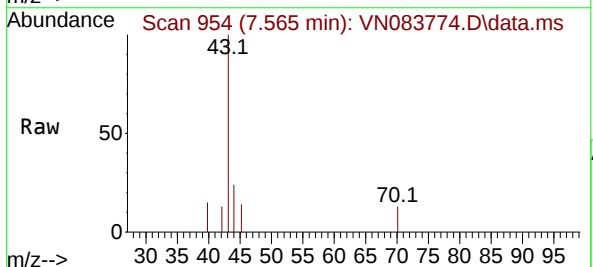
RT: 7.565 min Scan# 954

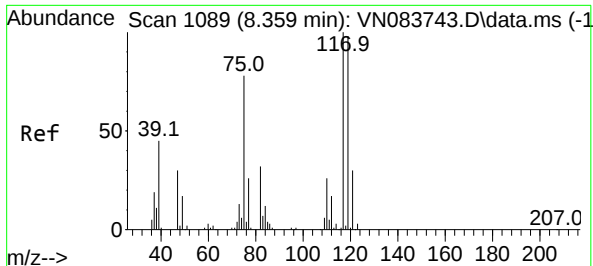
Delta R.T. 0.006 min

Lab File: VN083774.D

Acq: 11 Sep 2024 06:02

Tgt Ion:	43	Resp:	3458
Ion	Ratio	Lower	Upper
43	100		
61	1.9	11.1	16.7#
70	3.7	8.8	13.2#

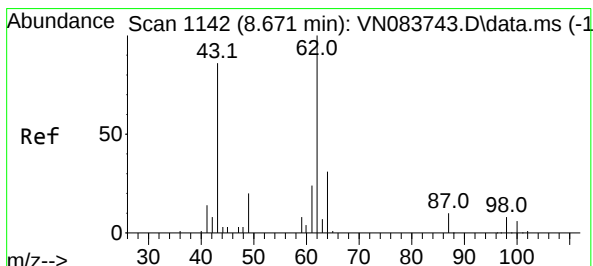
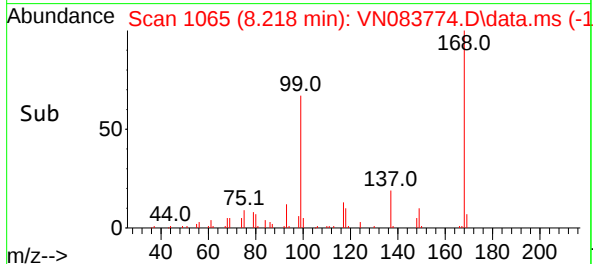
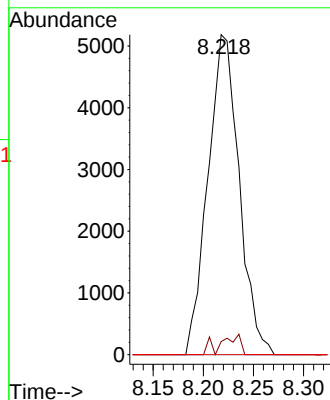
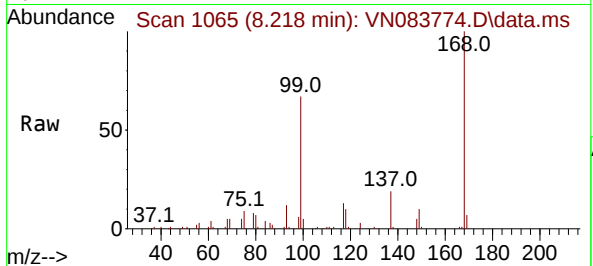




#38
Carbon Tetrachloride
Concen: 4.896 ug/l
RT: 8.218 min Scan# 110
Delta R.T. -0.141 min
Lab File: VN083774.D
Acq: 11 Sep 2024 06:02

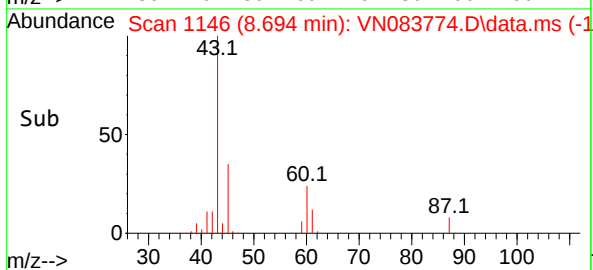
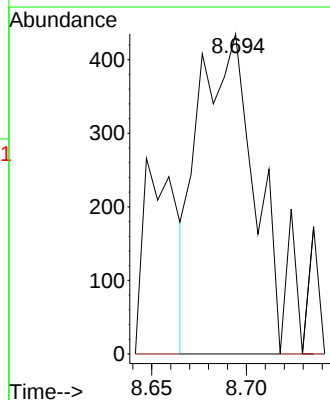
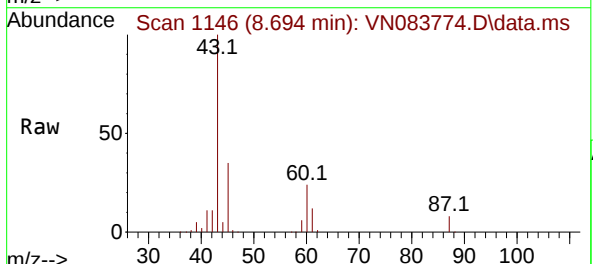
Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#04

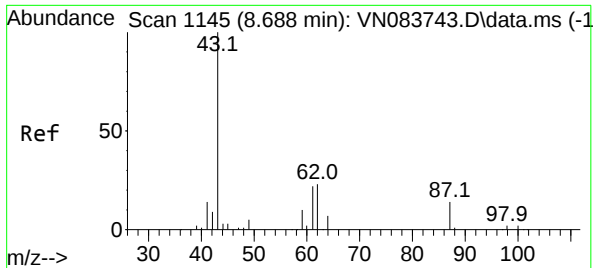
Tgt Ion:117 Resp: 11223
Ion Ratio Lower Upper
117 100
119 4.1 76.1 114.1#
121 0.0 24.1 36.1#



#42
1,2-Dichloroethane
Concen: 0.390 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.024 min
Lab File: VN083774.D
Acq: 11 Sep 2024 06:02

Tgt Ion: 62 Resp: 886
Ion Ratio Lower Upper
62 100
98 0.0 0.0 16.6

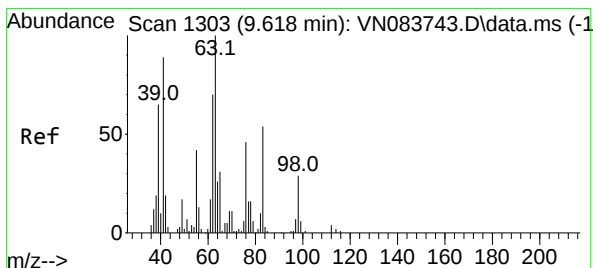
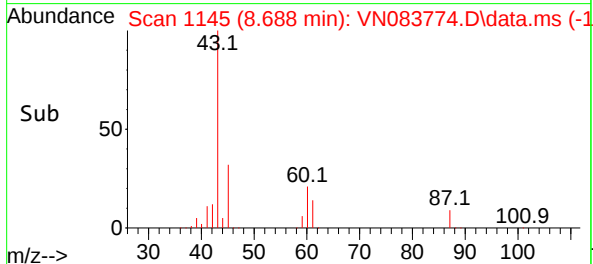
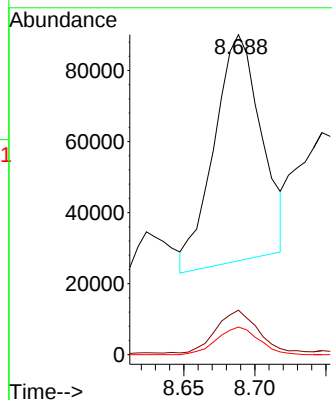
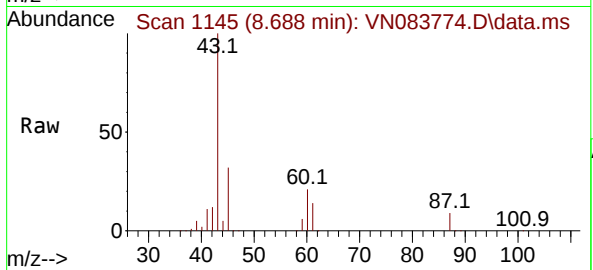




#43
Isopropyl Acetate
Concen: 44.500 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN083774.D
Acq: 11 Sep 2024 06:02

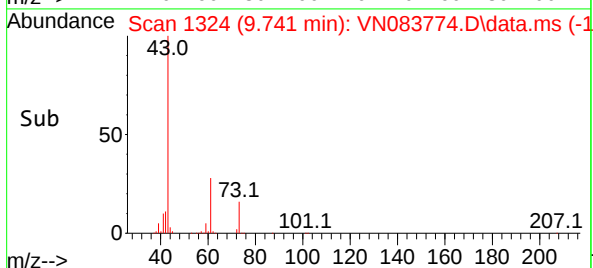
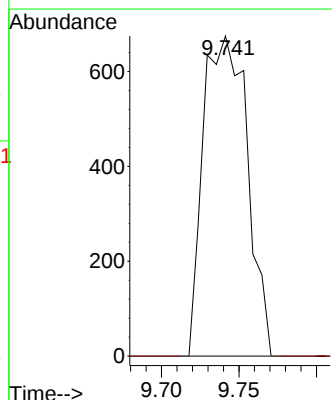
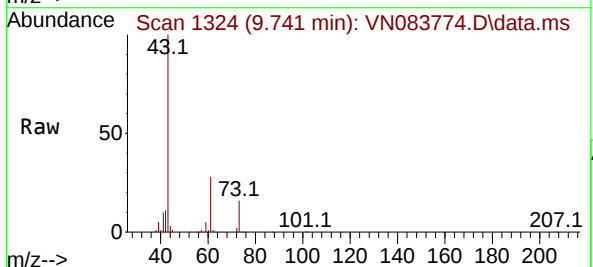
Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#04

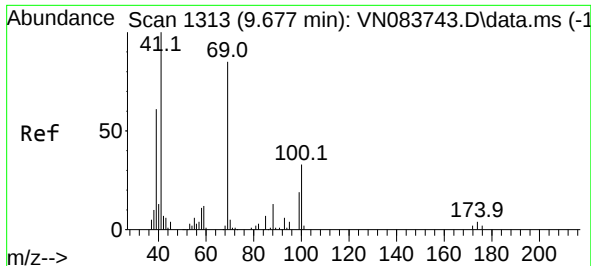
Tgt Ion: 43 Resp: 147895
Ion Ratio Lower Upper
43 100
61 16.6 19.4 29.0#
87 10.8 9.8 14.6



#45
1,2-Dichloropropane
Concen: 0.908 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.124 min
Lab File: VN083774.D
Acq: 11 Sep 2024 06:02

Tgt Ion: 63 Resp: 1334
Ion Ratio Lower Upper
63 100
65 0.0 25.9 38.9#

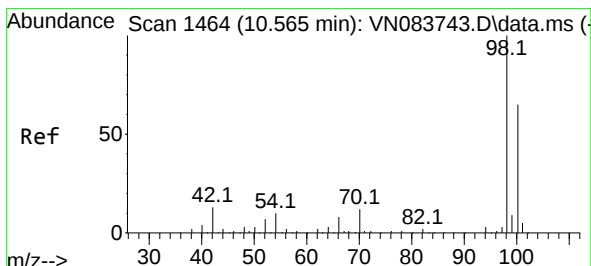
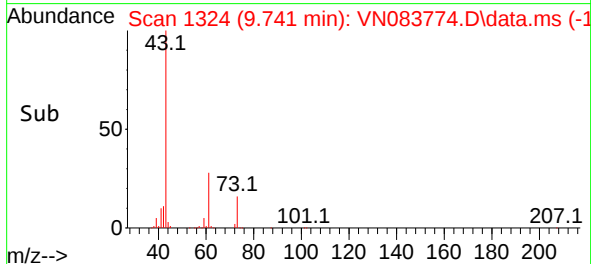
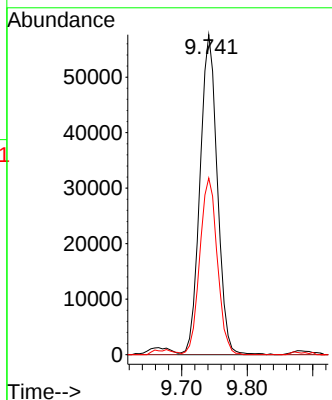
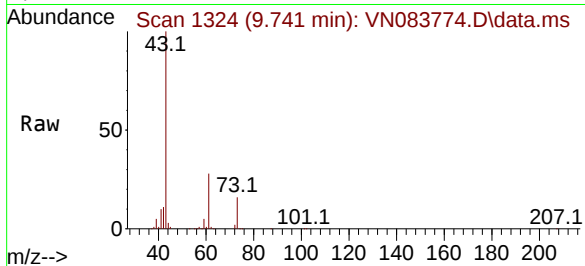




#48
Methyl methacrylate
Concen: 67.277 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.065 min
Lab File: VN083774.D
Acq: 11 Sep 2024 06:02

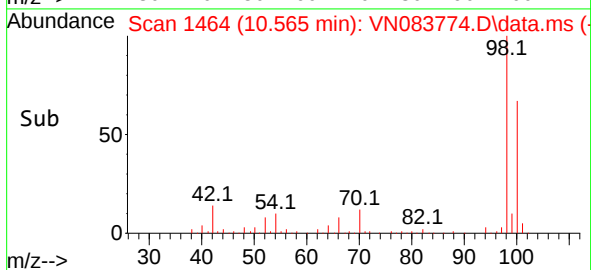
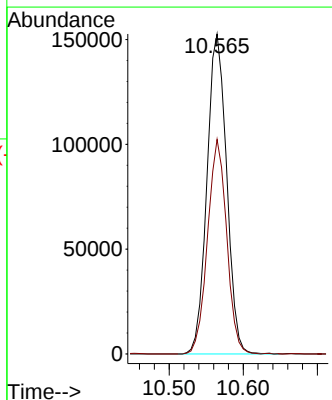
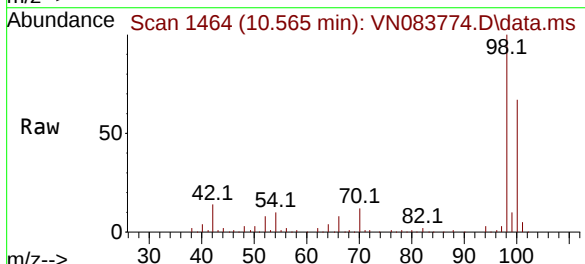
Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#04

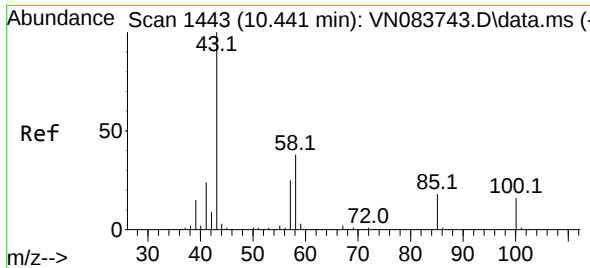
Tgt Ion: 41 Resp: 106081
Ion Ratio Lower Upper
41 100
69 0.0 64.3 96.5#
39 55.7 48.9 73.3



#50
Toluene-d8
Concen: 60.630 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN083774.D
Acq: 11 Sep 2024 06:02

Tgt Ion: 98 Resp: 281365
Ion Ratio Lower Upper
98 100
100 65.2 52.0 78.0

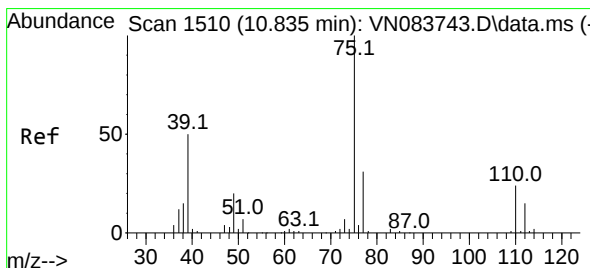
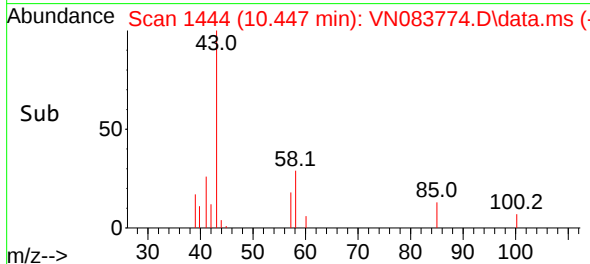
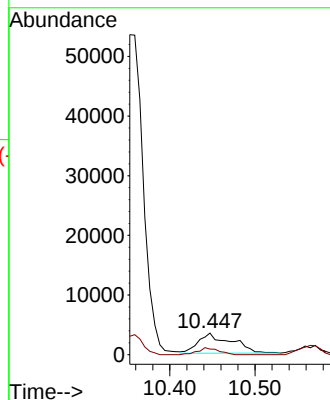
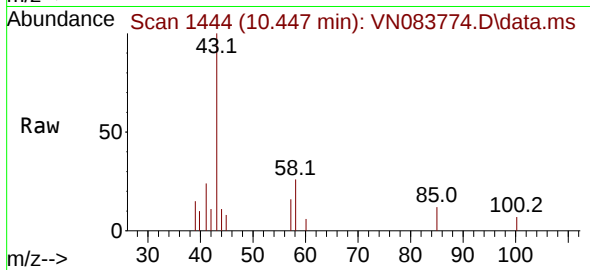




#51
4-Methyl-2-Pentanone
Concen: 5.020 ug/l
RT: 10.447 min Scan# 1443
Delta R.T. 0.006 min
Lab File: VN083774.D
Acq: 11 Sep 2024 06:02

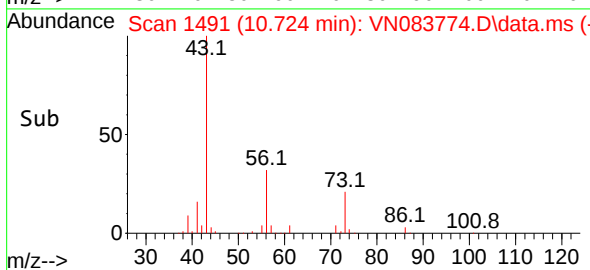
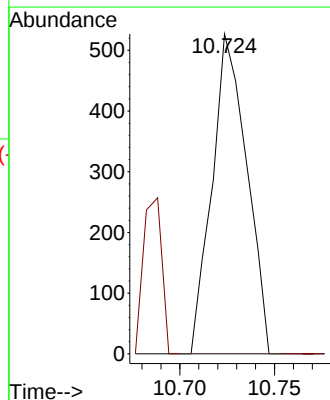
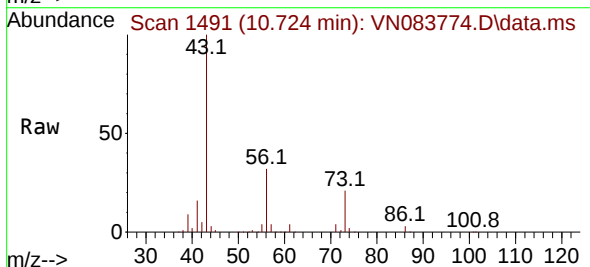
Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#04

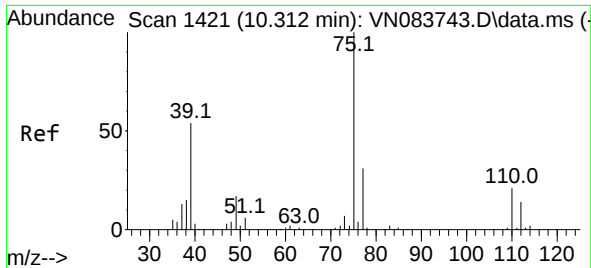
Tgt Ion: 43 Resp: 9082
Ion Ratio Lower Upper
43 100
58 21.5 31.6 47.4#



#53
t-1,3-Dichloropropene
Concen: 0.298 ug/l
RT: 10.724 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN083774.D
Acq: 11 Sep 2024 06:02

Tgt Ion: 75 Resp: 672
Ion Ratio Lower Upper
75 100
77 0.0 25.8 38.6#

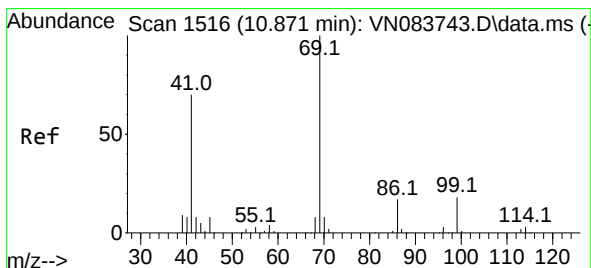
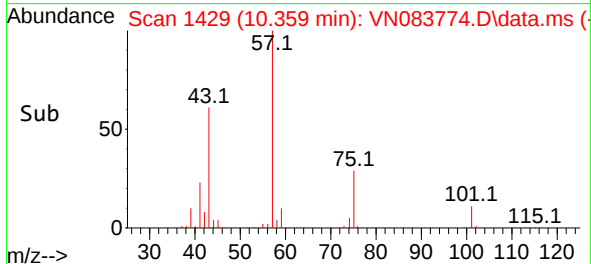
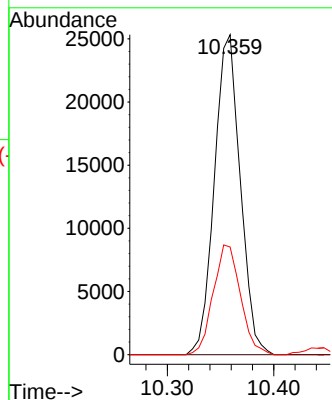
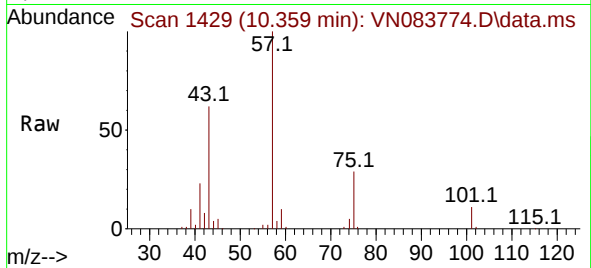




#54
 cis-1,3-Dichloropropene
 Concen: 17.972 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN083774.D
 Acq: 11 Sep 2024 06:02

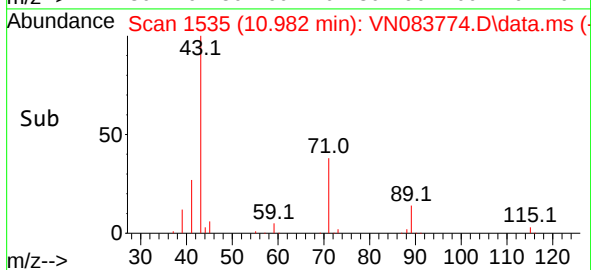
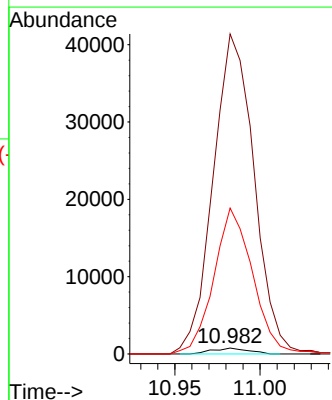
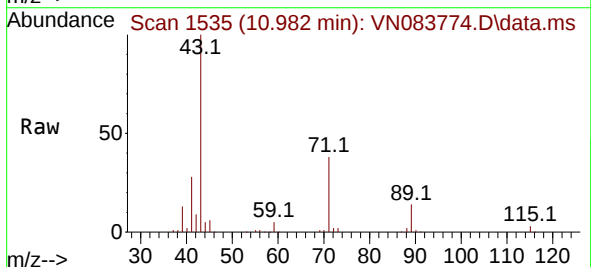
Instrument :
 MSVOA_N
 ClientSampleId :
 PB163204ZHE#04

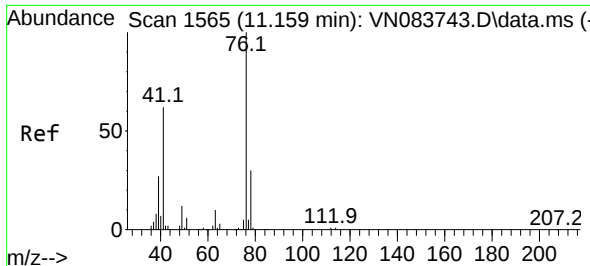
Tgt Ion: 75 Resp: 42635
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.6#
 39 33.6 42.6 64.0#



#56
 Ethyl methacrylate
 Concen: 0.524 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.112 min
 Lab File: VN083774.D
 Acq: 11 Sep 2024 06:02

Tgt Ion: 69 Resp: 1120
 Ion Ratio Lower Upper
 69 100
 41 6195.3 53.9 80.9#
 39 2676.5 32.6 48.8#





#57

1,3-Dichloropropane

Concen: 2.199 ug/l

RT: 11.200 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN083774.D

Acq: 11 Sep 2024 06:02

Instrument :

MSVOA_N

ClientSampleId :

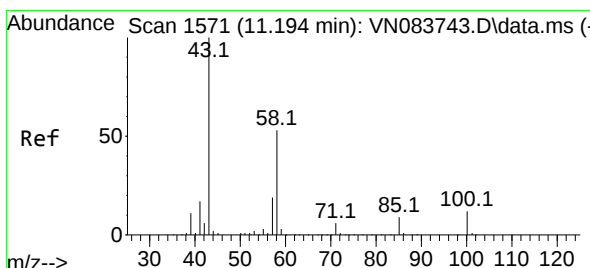
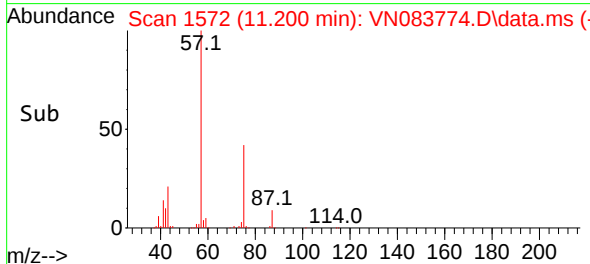
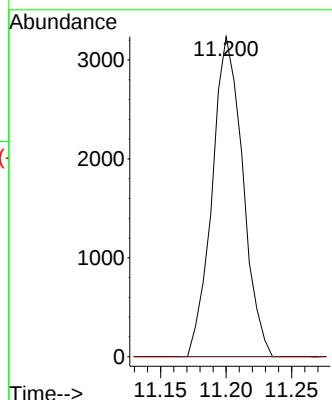
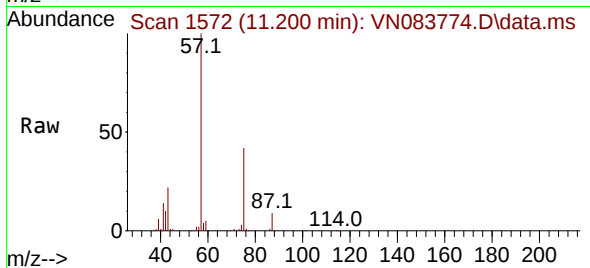
PB163204ZHE#04

Tgt Ion: 76 Resp: 5249

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 80.238 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.024 min

Lab File: VN083774.D

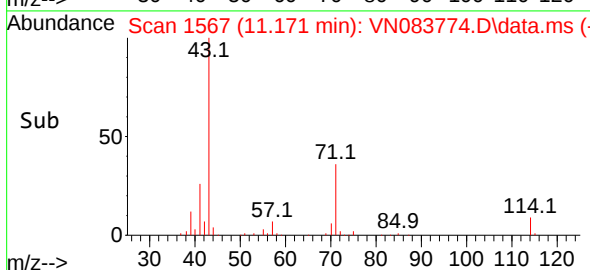
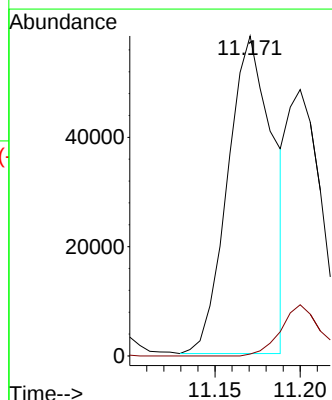
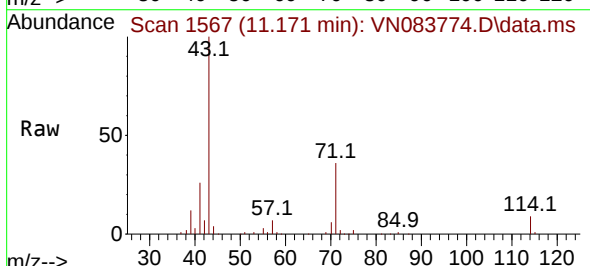
Acq: 11 Sep 2024 06:02

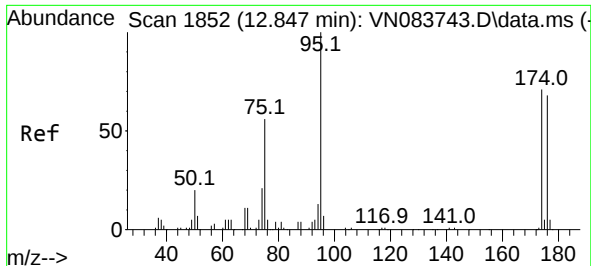
Tgt Ion: 43 Resp: 107379

Ion Ratio Lower Upper

43 100

58 0.0 27.2 81.5#

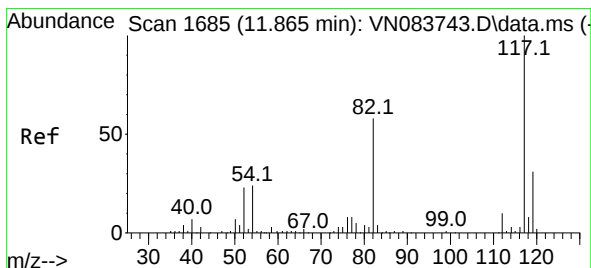
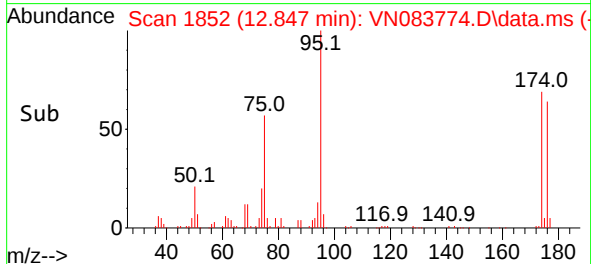
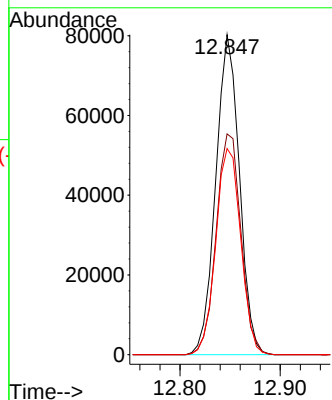
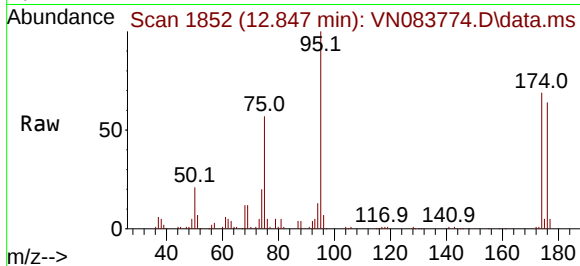




#62
4-Bromofluorobenzene
Concen: 68.604 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN083774.D
Acq: 11 Sep 2024 06:02

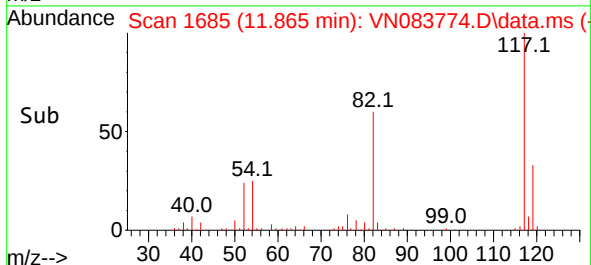
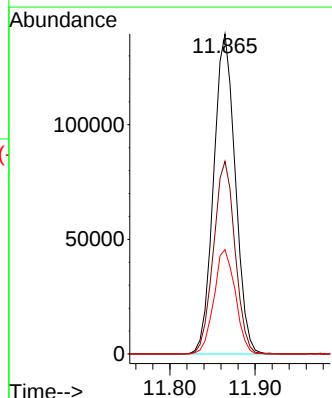
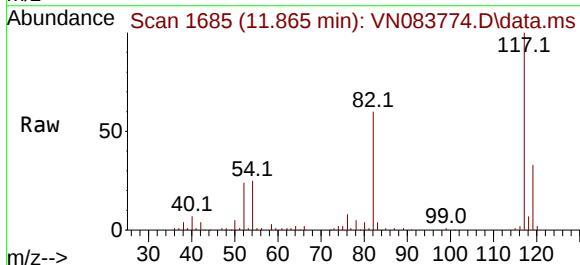
Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#04

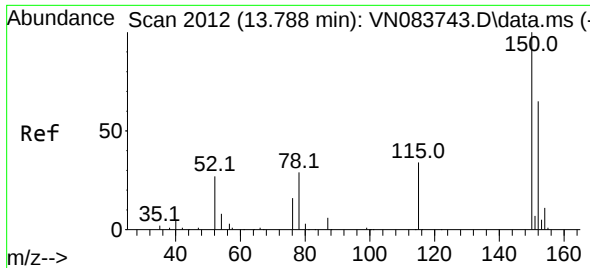
Tgt Ion: 95 Resp: 131351
Ion Ratio Lower Upper
95 100
174 72.3 0.0 139.8
176 68.0 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN083774.D
Acq: 11 Sep 2024 06:02

Tgt Ion: 117 Resp: 246613
Ion Ratio Lower Upper
117 100
82 60.2 47.4 71.0
119 32.6 26.3 39.5

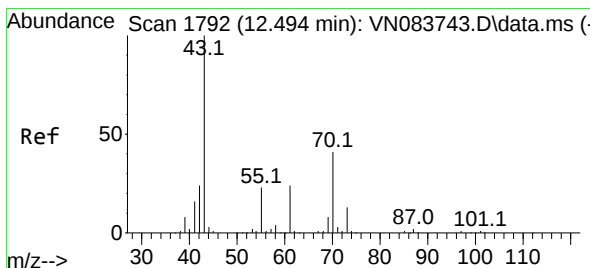
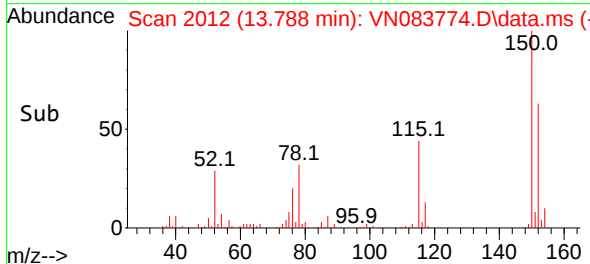
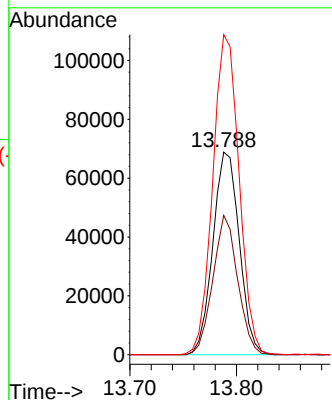
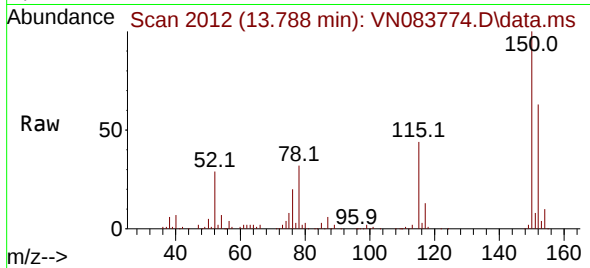




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN083774.D
Acq: 11 Sep 2024 06:02

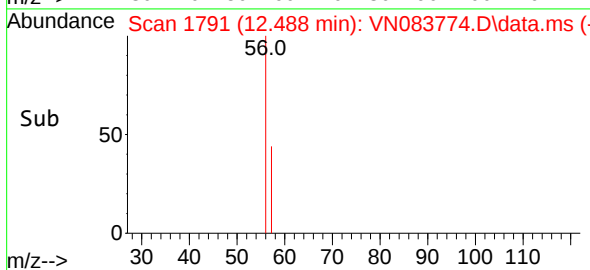
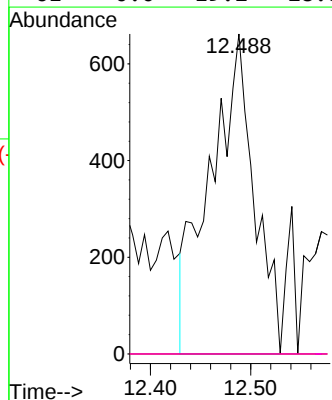
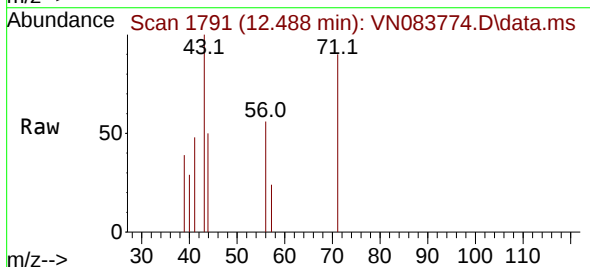
Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#04

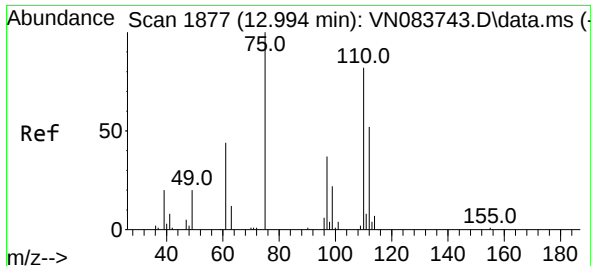
Tgt Ion:152 Resp: 118284
Ion Ratio Lower Upper
152 100
115 64.7 32.2 96.6
150 157.8 0.0 348.6



#74
N-ethyl acetate
Concen: 0.519 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.006 min
Lab File: VN083774.D
Acq: 11 Sep 2024 06:02

Tgt Ion: 43 Resp: 2026
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#

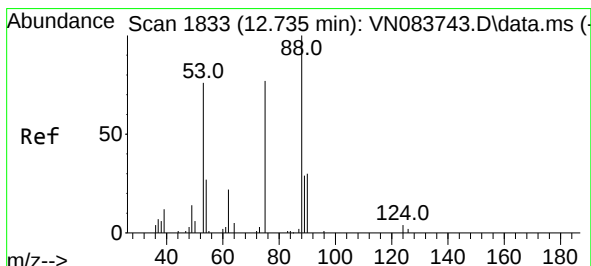
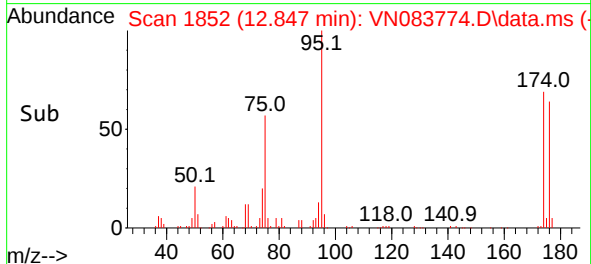
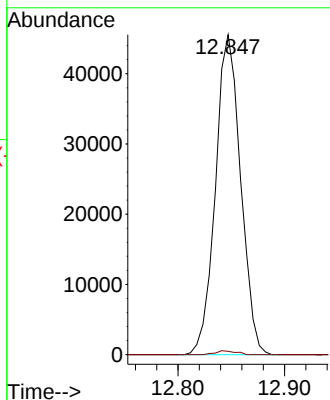
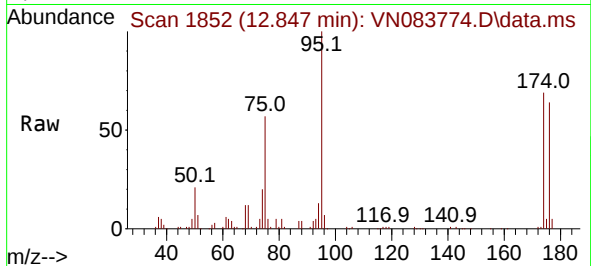




#76
1,2,3-Trichloropropane
Concen: 31.312 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083774.D
Acq: 11 Sep 2024 06:02

Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#04

Tgt Ion: 75 Resp: 74734
Ion Ratio Lower Upper
75 100
77 1.0 95.2 285.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 82.009 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083774.D
Acq: 11 Sep 2024 06:02

Tgt Ion: 75 Resp: 74734
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#

