

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091624\
 Data File : VN083922.D
 Acq On : 16 Sep 2024 17:03
 Operator : JC\MD
 Sample : PB163359TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB163359TB

Quant Time: Sep 17 02:35:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 15:18:56 2024
 Response via : Initial Calibration

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

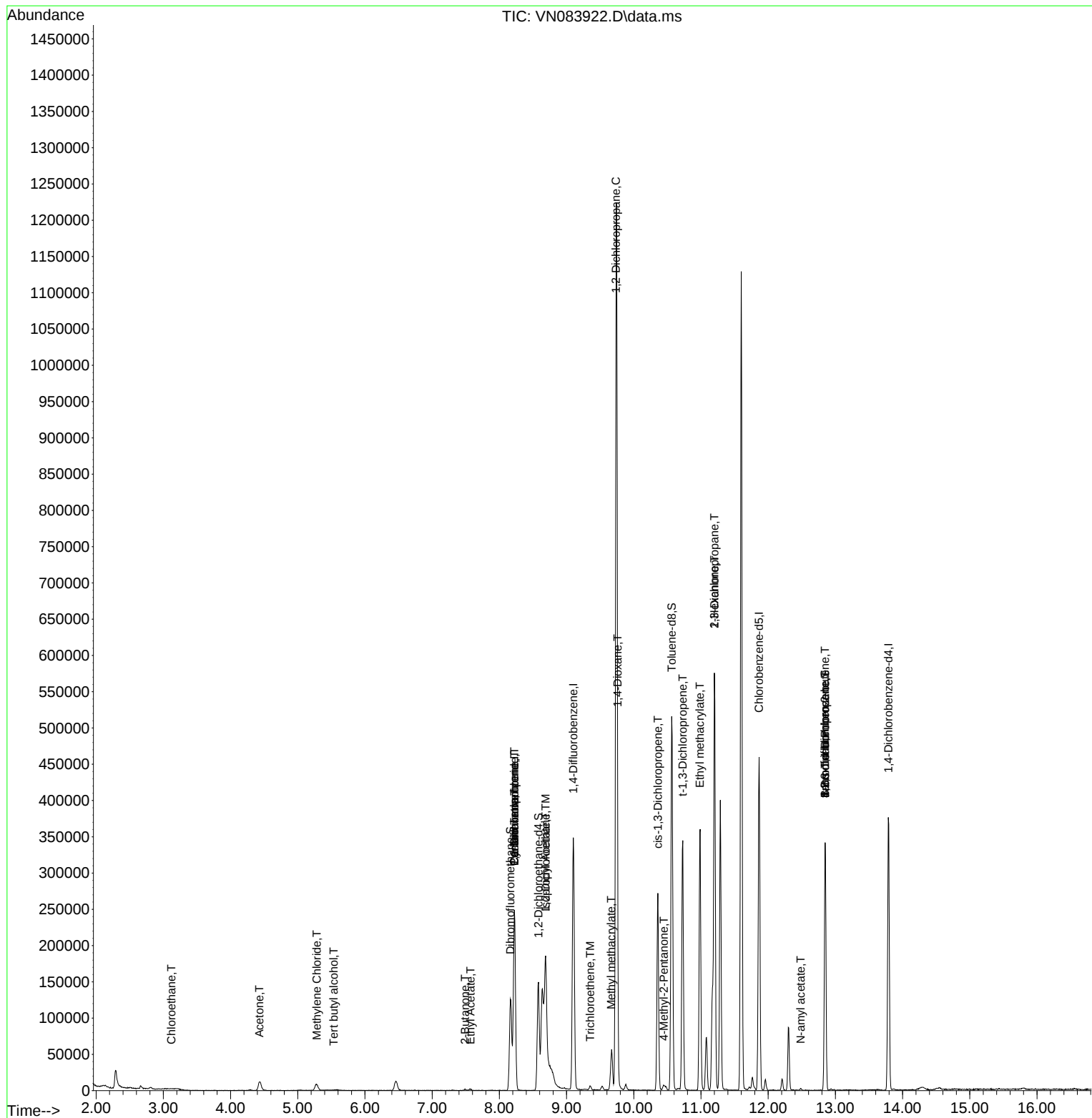
Internal Standards						
1) Pentafluorobenzene	8.224	168	168870	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	283644	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	240344	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	94025	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	127910	50.233	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.460%			
35) Dibromofluoromethane	8.165	113	91588	50.438	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.880%			
50) Toluene-d8	10.565	98	345155	54.983	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.960%			
62) 4-Bromofluorobenzene	12.847	95	116273	44.894	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 89.780%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	339	Below Cal	#	41
6) Chloroethane	3.118	64	466	0.309	ug/l #	45
11) Tert butyl alcohol	5.536	59	87	0.255	ug/l #	71
16) Acetone	4.430	43	24784	24.280	ug/l	93
18) Methyl Acetate	5.030	43	1096	Below Cal	#	52
20) Methylene Chloride	5.283	84	6524	3.123	ug/l	93
25) 2-Butanone	7.488	43	2606	1.942	ug/l	98
31) Cyclohexane	8.224	56	4513	1.226	ug/l #	23
36) 1,1-Dichloropropene	8.224	75	15871	5.807	ug/l #	51
37) Ethyl Acetate	7.571	43	3506	1.413	ug/l #	71
38) Carbon Tetrachloride	8.224	117	19768	6.375	ug/l #	16
42) 1,2-Dichloroethane	8.688	62	1271	0.413	ug/l #	77
43) Isopropyl Acetate	8.688	43	200373	44.570	ug/l #	84
44) Trichloroethene	9.353	130	2002	1.051	ug/l	84
45) 1,2-Dichloropropane	9.735	63	1566	0.788	ug/l #	42
48) Methyl methacrylate	9.665	41	3825	1.793	ug/l #	47
49) 1,4-Dioxane	9.759	88	56	1.596	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	5042	2.060	ug/l	99
53) t-1,3-Dichloropropene	10.729	75	918	0.300	ug/l #	42
54) cis-1,3-Dichloropropene	10.359	75	45089	14.050	ug/l #	63
56) Ethyl methacrylate	10.982	69	999	0.346	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5854	1.813	ug/l #	42
59) 2-Hexanone	11.200	43	76565	42.295	ug/l #	52
71) Bromoform	12.847	173	350	0.280	ug/l #	29
74) N-amyl acetate	12.482	43	1654	0.533	ug/l #	43
76) 1,2,3-Trichloropropane	12.847	75	65407	34.475	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	65407	90.292	ug/l #	9

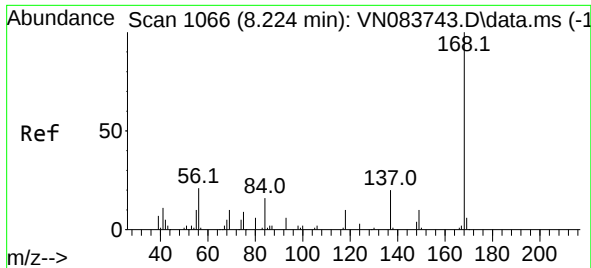
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

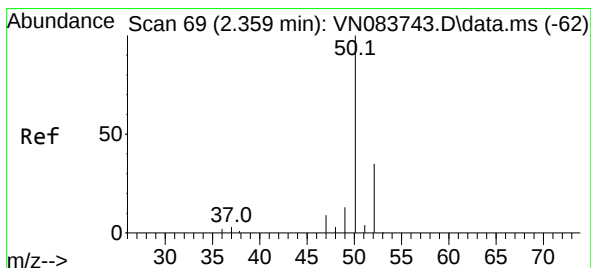
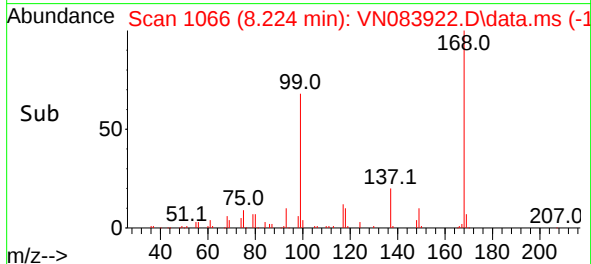
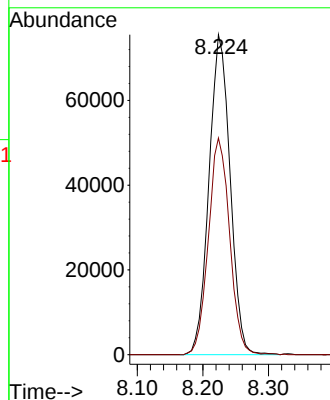
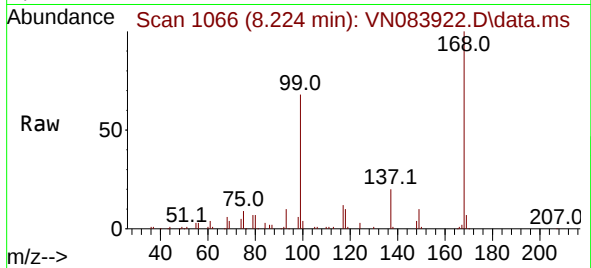




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN083922.D
Acq: 16 Sep 2024 17:03

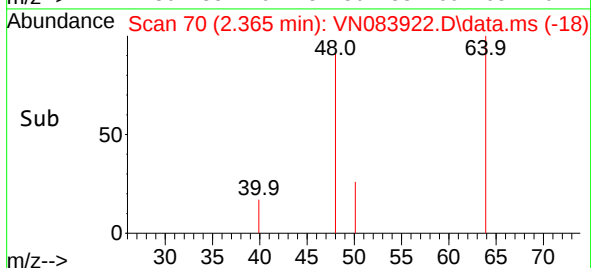
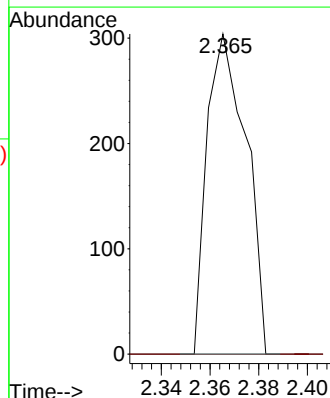
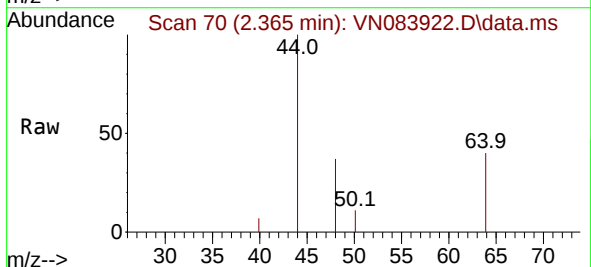
Instrument :
MSVOA_N
ClientSampleId :
PB163359TB

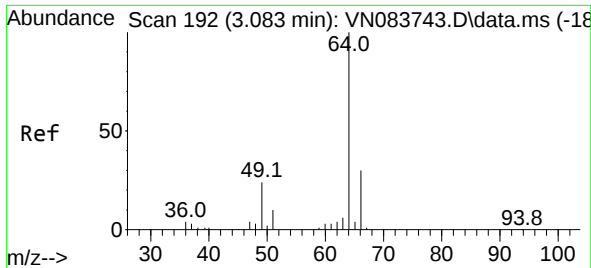
Tgt Ion:168 Resp: 168870
Ion Ratio Lower Upper
168 100
99 67.7 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN083922.D
Acq: 16 Sep 2024 17:03

Tgt Ion: 50 Resp: 339
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#

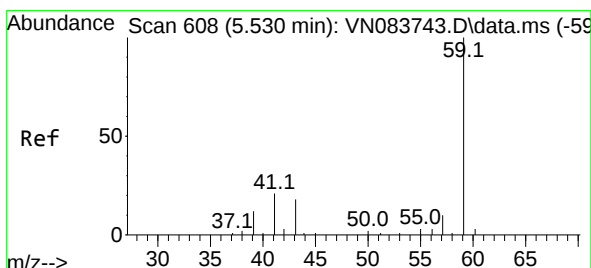
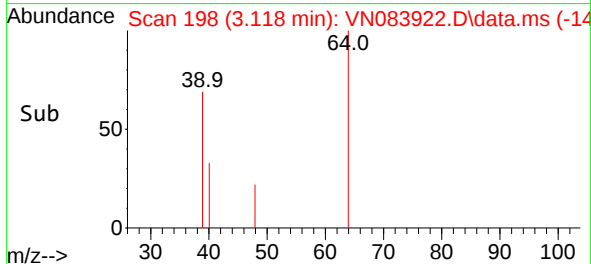
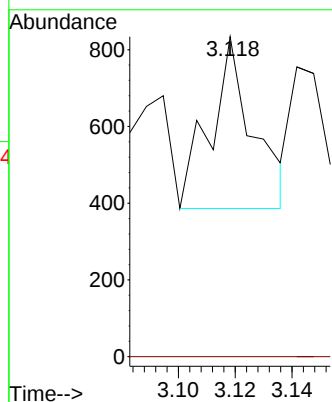
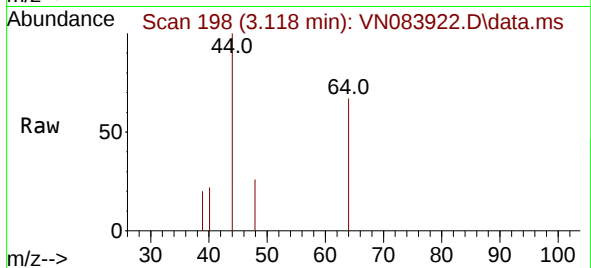




#6
Chloroethane
Concen: 0.309 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.035 min
Lab File: VN083922.D
Acq: 16 Sep 2024 17:03

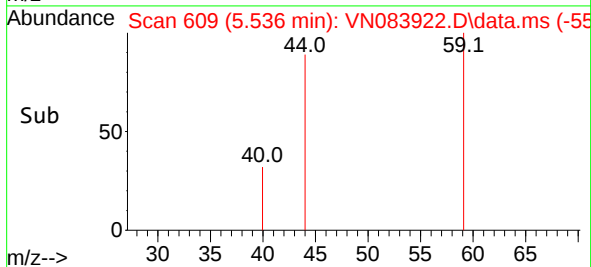
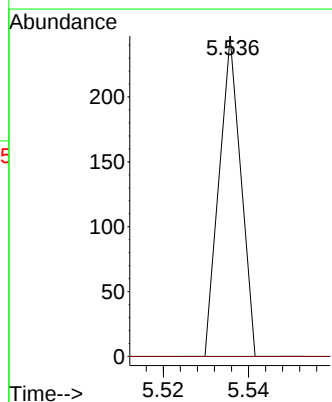
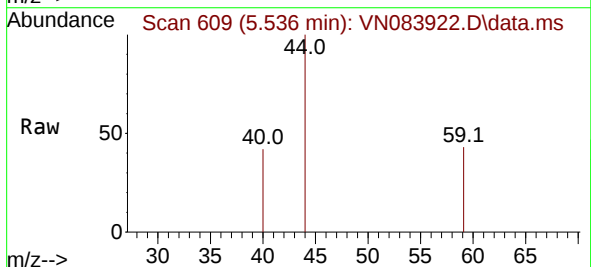
Instrument :
MSVOA_N
ClientSampleId :
PB163359TB

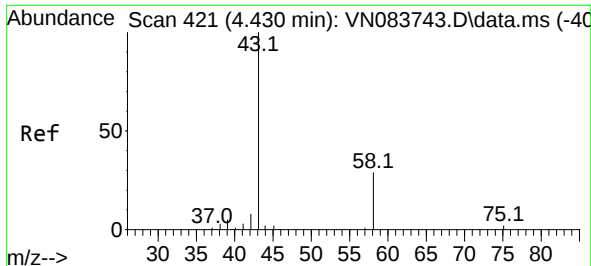
Tgt Ion: 64 Resp: 466
Ion Ratio Lower Upper
64 100
66 0.0 23.9 35.9#



#11
Tert butyl alcohol
Concen: 0.255 ug/l
RT: 5.536 min Scan# 609
Delta R.T. 0.006 min
Lab File: VN083922.D
Acq: 16 Sep 2024 17:03

Tgt Ion: 59 Resp: 87
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

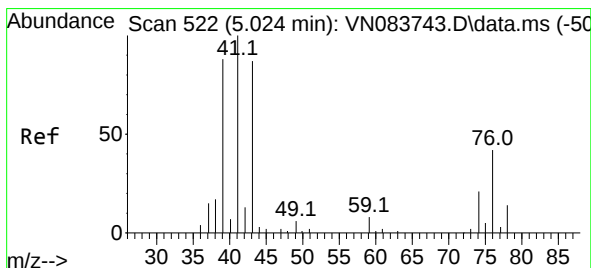
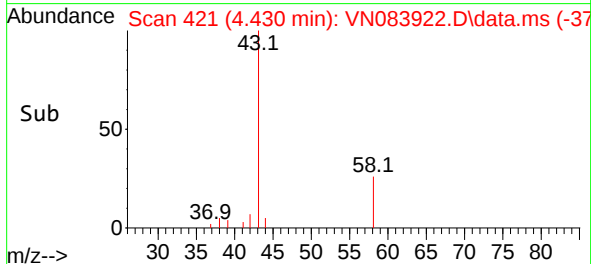
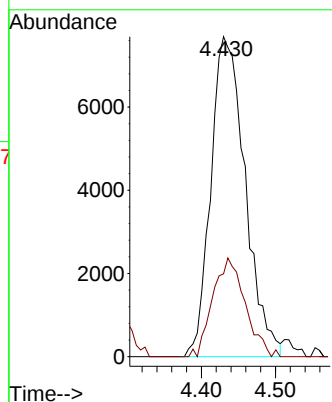
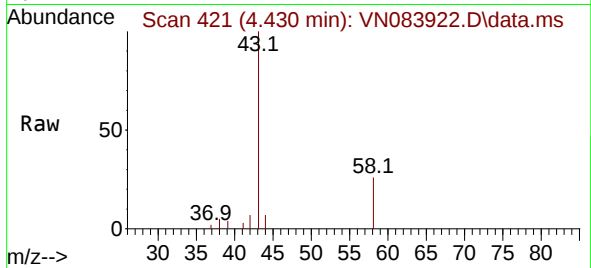




#16
Acetone
Concen: 24.280 ug/l
RT: 4.430 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN083922.D
Acq: 16 Sep 2024 17:03

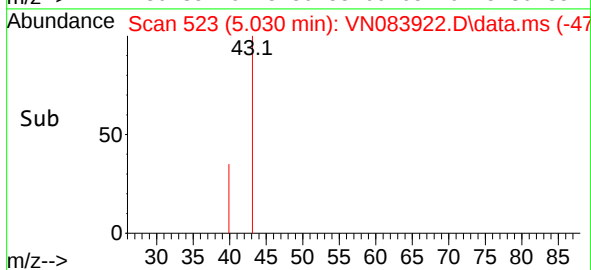
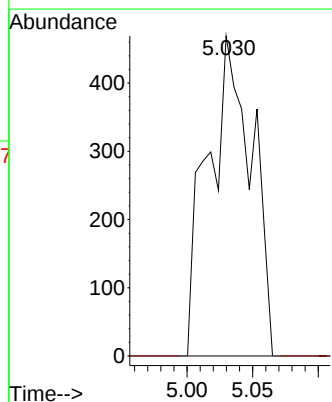
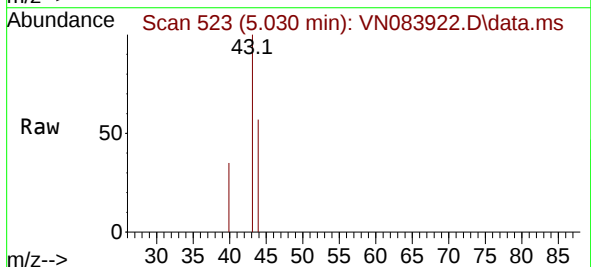
Instrument :
MSVOA_N
ClientSampleId :
PB163359TB

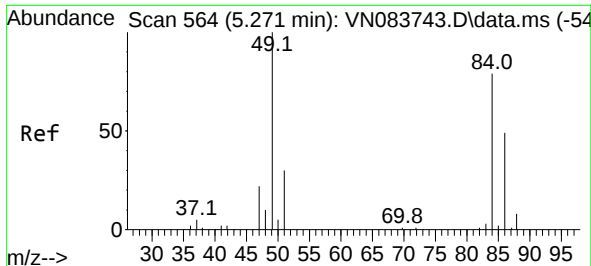
Tgt Ion: 43 Resp: 24784
Ion Ratio Lower Upper
43 100
58 25.9 23.7 35.5



#18
Methyl Acetate
Concen: Below Cal
RT: 5.030 min Scan# 523
Delta R.T. 0.006 min
Lab File: VN083922.D
Acq: 16 Sep 2024 17:03

Tgt Ion: 43 Resp: 1096
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.4#



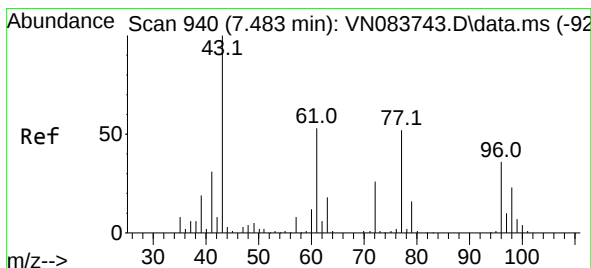
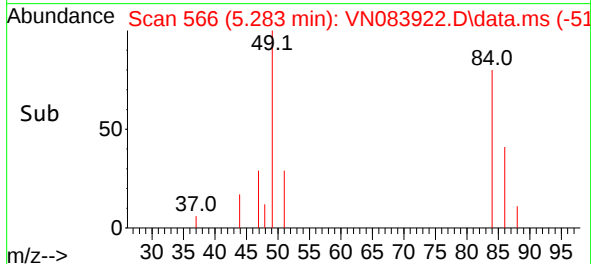
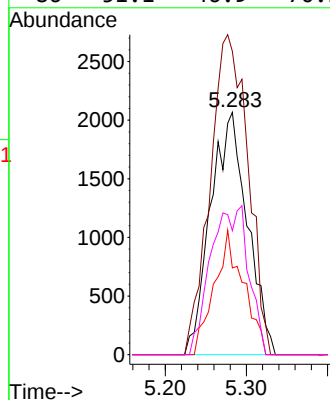
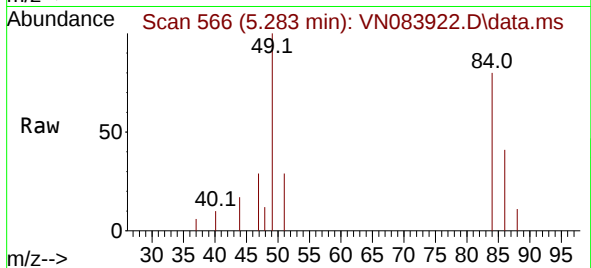


#20
Methylene Chloride
Concen: 3.123 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN083922.D
Acq: 16 Sep 2024 17:03

Instrument :
MSVOA_N
ClientSampleId :
PB163359TB

Tgt Ion: 84 Resp: 6524

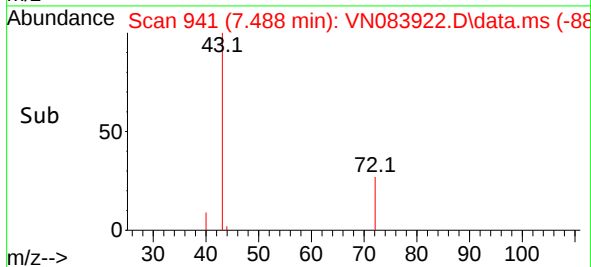
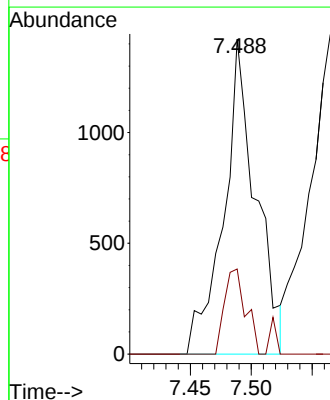
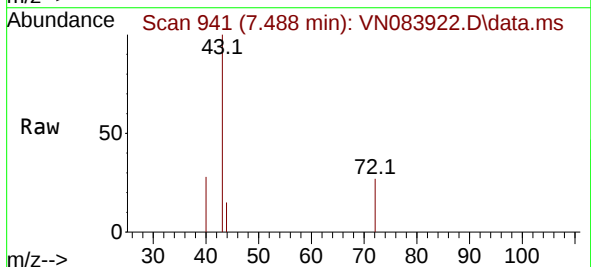
Ion	Ratio	Lower	Upper
84	100		
49	125.2	93.4	140.0
51	35.8	29.2	43.8
86	51.1	46.9	70.3

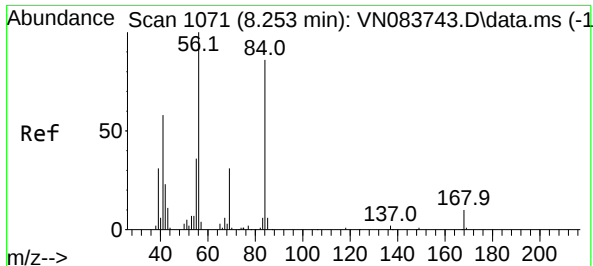


#25
2-Butanone
Concen: 1.942 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN083922.D
Acq: 16 Sep 2024 17:03

Tgt Ion: 43 Resp: 2606

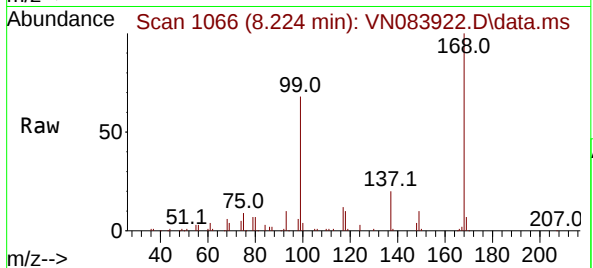
Ion	Ratio	Lower	Upper
43	100		
72	27.0	20.8	31.2



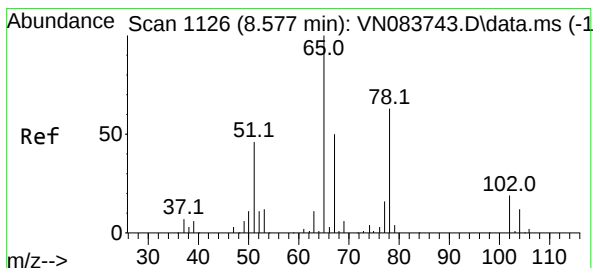
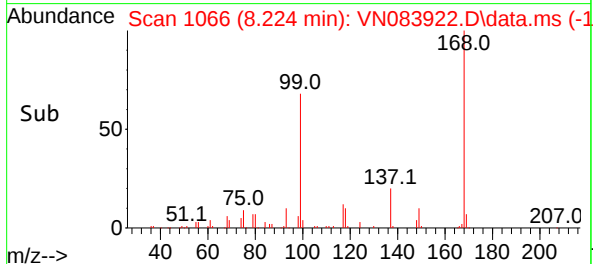
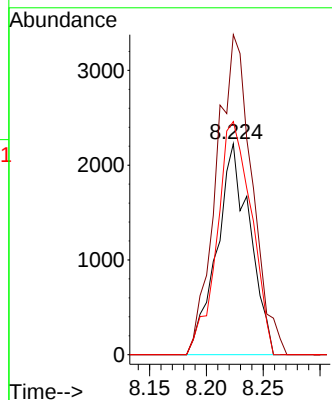


#31
Cyclohexane
Concen: 1.226 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN083922.D
Acq: 16 Sep 2024 17:03

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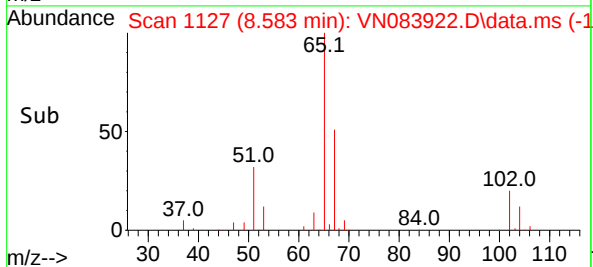
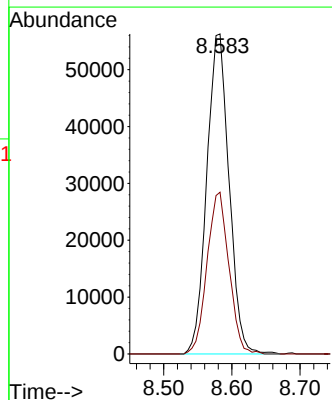
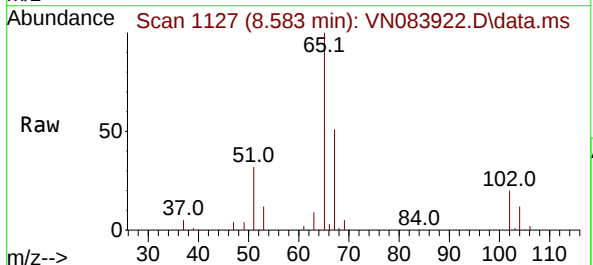


Tgt Ion: 56 Resp: 4513
Ion Ratio Lower Upper
56 100
69 151.8 26.9 40.3#
84 110.6 69.2 103.8#



#33
1,2-Dichloroethane-d4
Concen: 50.233 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN083922.D
Acq: 16 Sep 2024 17:03

Tgt Ion: 65 Resp: 127910
Ion Ratio Lower Upper
65 100
67 49.7 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN083922.D

Acq: 16 Sep 2024 17:03

Instrument :

MSVOA_N

ClientSampleId :

PB163359TB

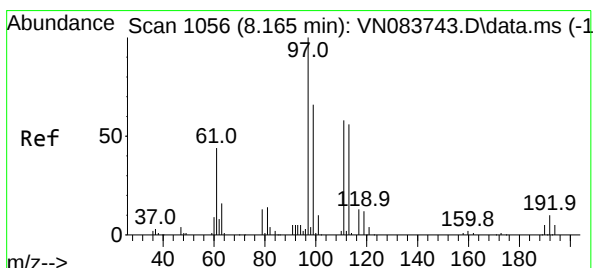
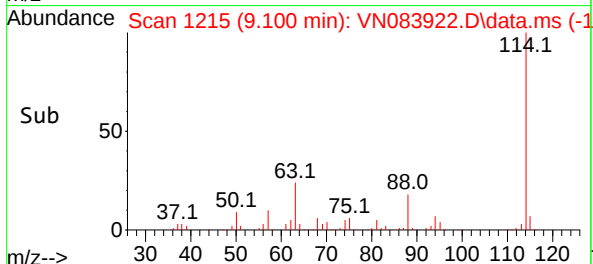
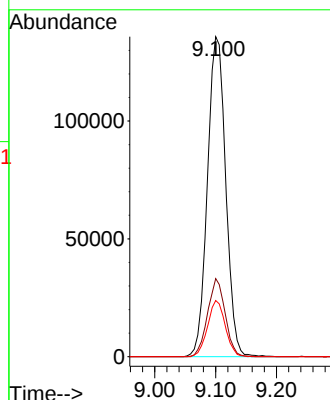
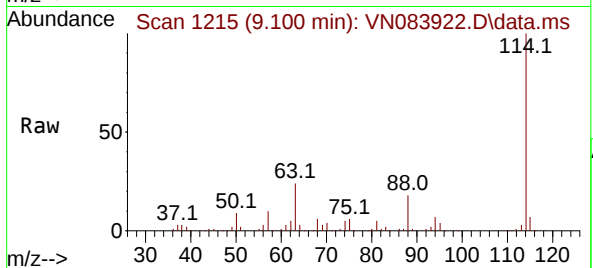
Tgt Ion:114 Resp: 283644

Ion Ratio Lower Upper

114 100

63 24.4 0.0 43.4

88 17.6 0.0 32.6



#35

Dibromofluoromethane

Concen: 50.438 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN083922.D

Acq: 16 Sep 2024 17:03

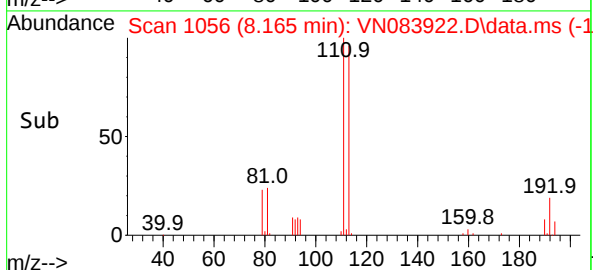
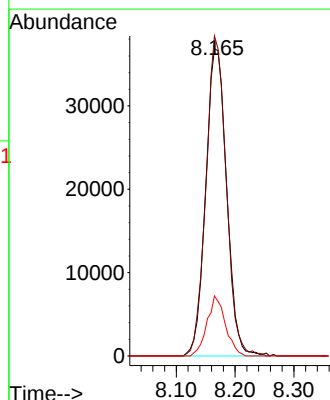
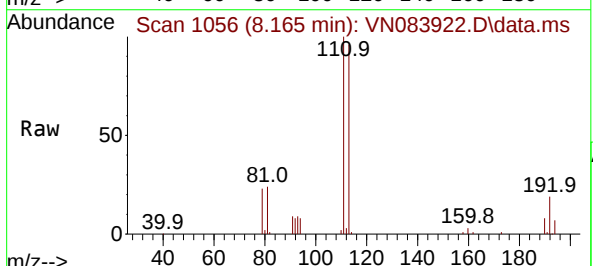
Tgt Ion:113 Resp: 91588

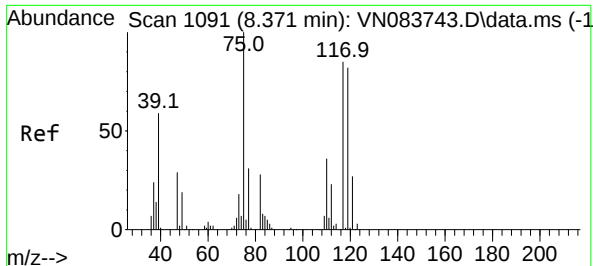
Ion Ratio Lower Upper

113 100

111 100.2 82.6 124.0

192 17.1 14.3 21.5





#36

1,1-Dichloropropene

Concen: 5.807 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN083922.D

Acq: 16 Sep 2024 17:03

Instrument :

MSVOA_N

ClientSampleId :

PB163359TB

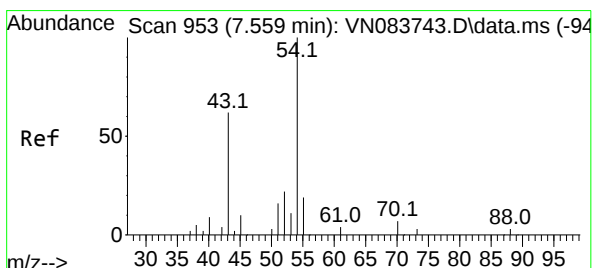
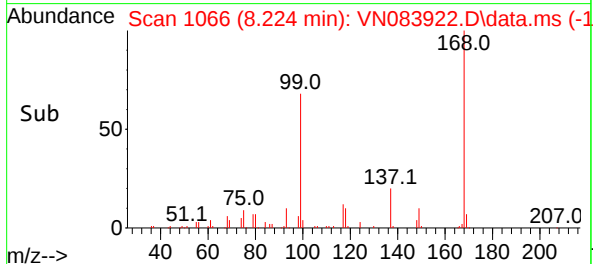
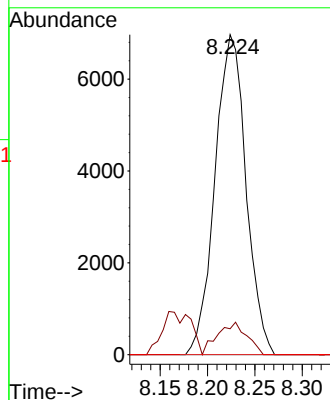
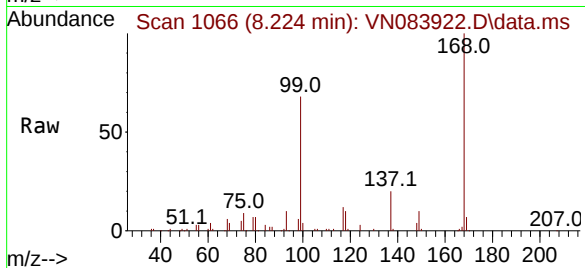
Tgt Ion: 75 Resp: 15871

Ion Ratio Lower Upper

75 100

110 9.6 16.7 50.1#

77 0.0 25.2 37.8#



#37

Ethyl Acetate

Concen: 1.413 ug/l

RT: 7.571 min Scan# 955

Delta R.T. 0.012 min

Lab File: VN083922.D

Acq: 16 Sep 2024 17:03

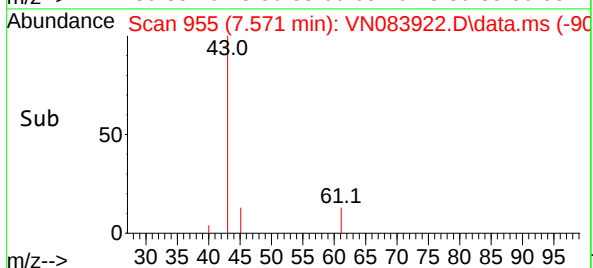
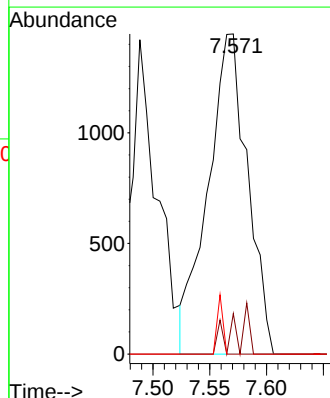
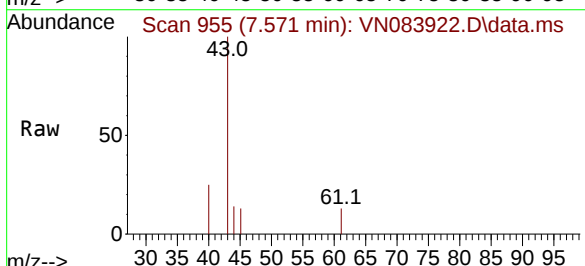
Tgt Ion: 43 Resp: 3506

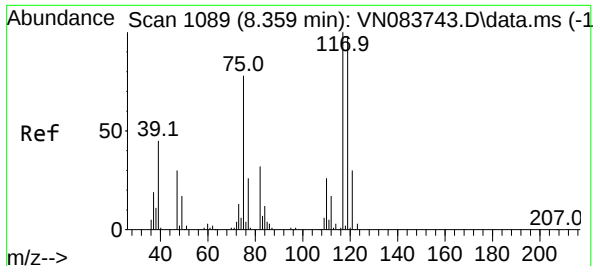
Ion Ratio Lower Upper

43 100

61 1.9 11.1 16.7#

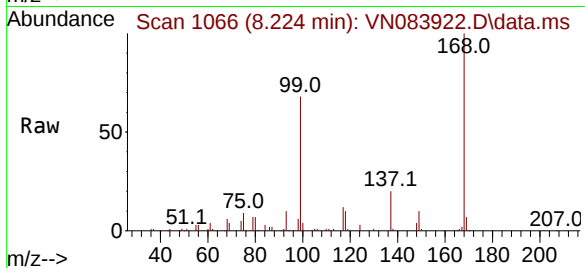
70 0.0 8.8 13.2#



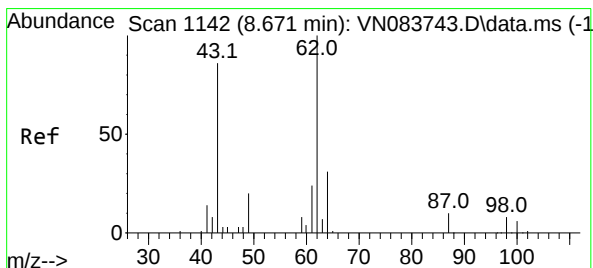
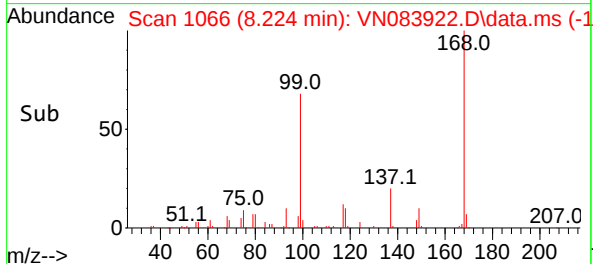
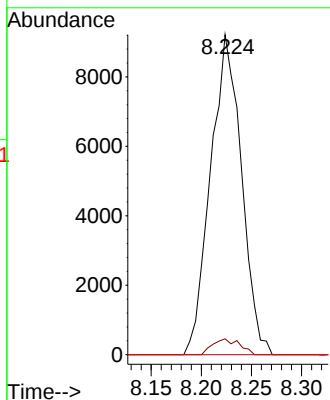


#38
Carbon Tetrachloride
Concen: 6.375 ug/l
RT: 8.224 min Scan# 1106
Delta R.T. -0.135 min
Lab File: VN083922.D
Acq: 16 Sep 2024 17:03

Instrument :
MSVOA_N
ClientSampleId :
PB163359TB

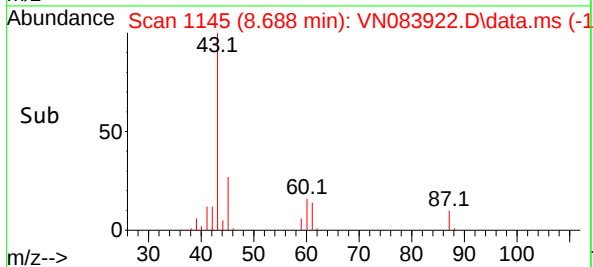
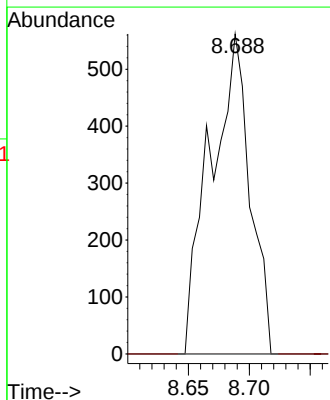
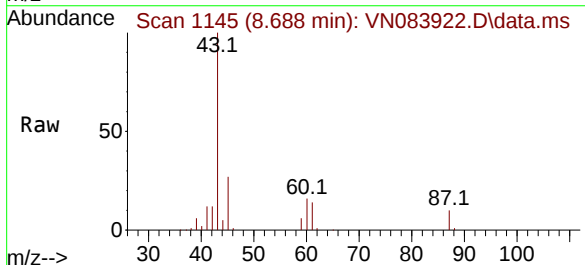


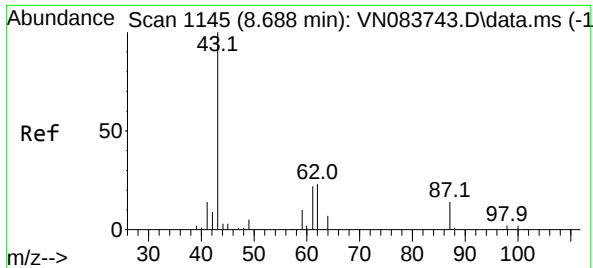
Tgt Ion: 117 Resp: 19768
Ion Ratio Lower Upper
117 100
119 4.9 76.1 114.1#
121 0.0 24.1 36.1#



#42
1,2-Dichloroethane
Concen: 0.413 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.018 min
Lab File: VN083922.D
Acq: 16 Sep 2024 17:03

Tgt Ion: 62 Resp: 1271
Ion Ratio Lower Upper
62 100
98 0.0 0.0 16.6

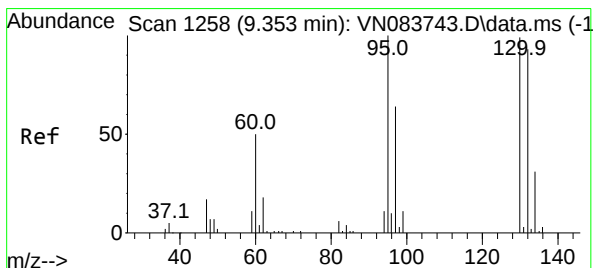
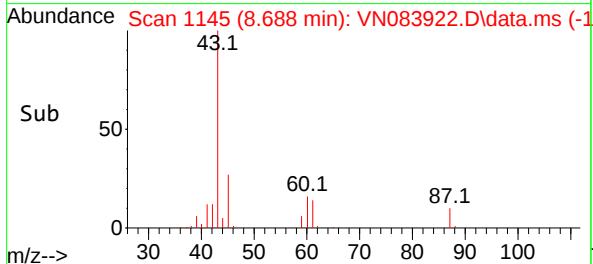
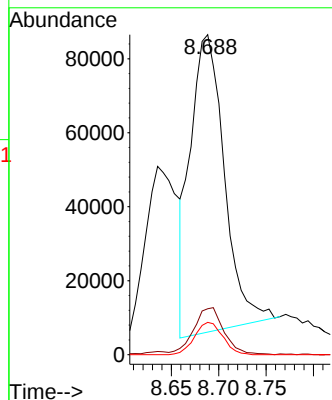
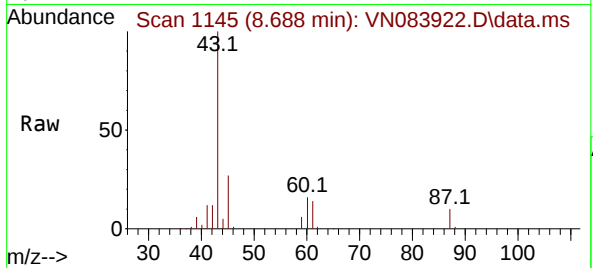




#43
Isopropyl Acetate
Concen: 44.570 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN083922.D
Acq: 16 Sep 2024 17:03

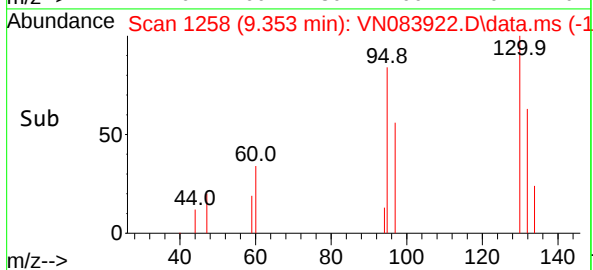
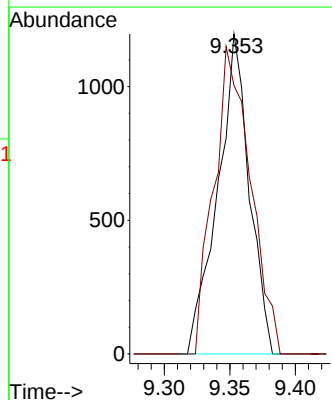
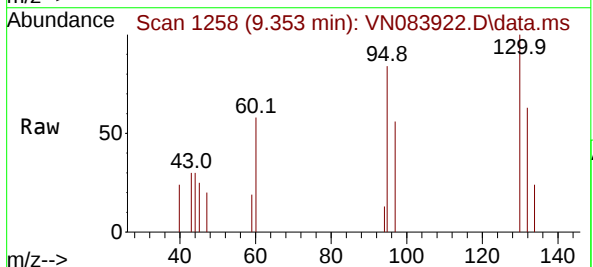
Instrument :
MSVOA_N
ClientSampleId :
PB163359TB

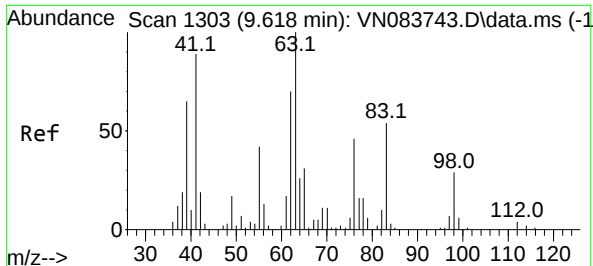
Tgt Ion: 43 Resp: 200373
Ion Ratio Lower Upper
43 100
61 14.1 19.4 29.0#
87 9.0 9.8 14.6#



#44
Trichloroethene
Concen: 1.051 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. -0.000 min
Lab File: VN083922.D
Acq: 16 Sep 2024 17:03

Tgt Ion:130 Resp: 2002
Ion Ratio Lower Upper
130 100
95 83.9 0.0 200.4





#45

1,2-Dichloropropane

Concen: 0.788 ug/l

RT: 9.735 min Scan# 1323

Delta R.T. 0.118 min

Lab File: VN083922.D

Acq: 16 Sep 2024 17:03

Instrument :

MSVOA_N

ClientSampleId :

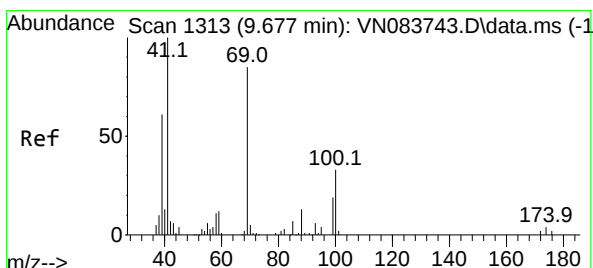
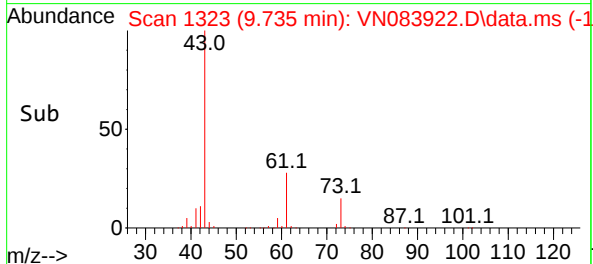
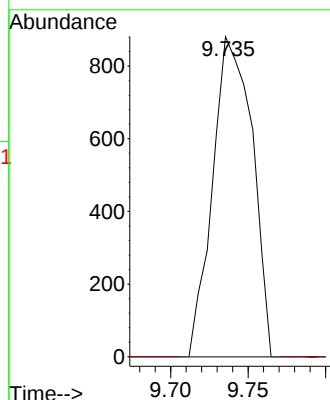
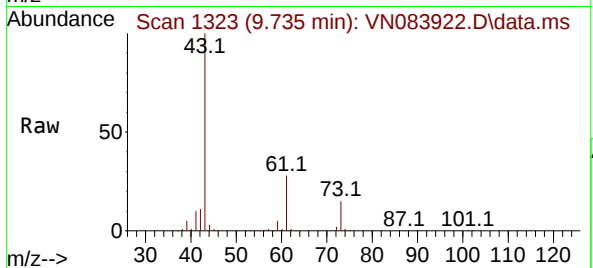
PB163359TB

Tgt Ion: 63 Resp: 1566

Ion Ratio Lower Upper

63 100

65 0.0 25.9 38.9#



#48

Methyl methacrylate

Concen: 1.793 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.012 min

Lab File: VN083922.D

Acq: 16 Sep 2024 17:03

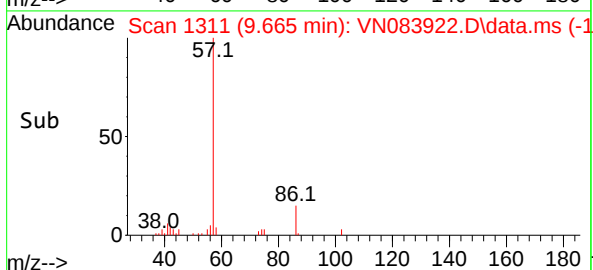
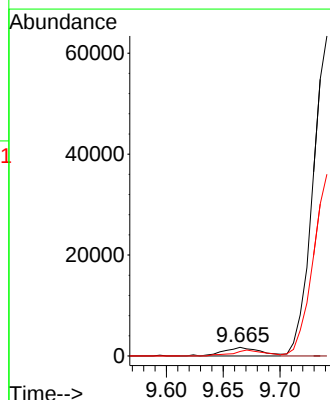
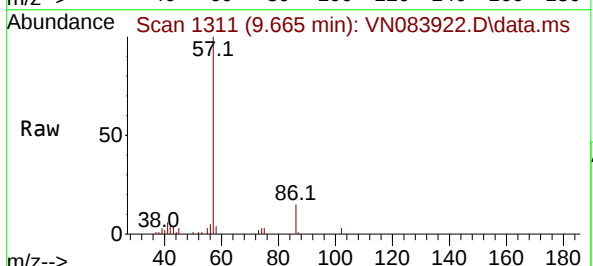
Tgt Ion: 41 Resp: 3825

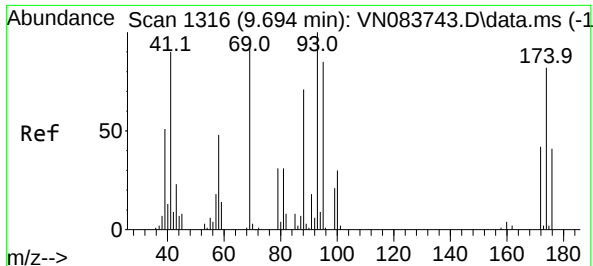
Ion Ratio Lower Upper

41 100

69 0.0 64.3 96.5#

39 59.0 48.9 73.3





#49

1,4-Dioxane

Concen: 1.596 ug/l

RT: 9.759 min Scan# 1

Delta R.T. 0.065 min

Lab File: VN083922.D

Acq: 16 Sep 2024 17:03

Instrument :

MSVOA_N

ClientSampleId :

PB163359TB

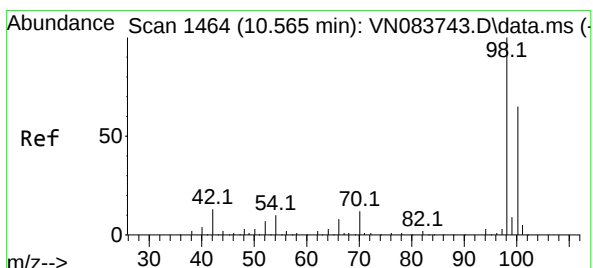
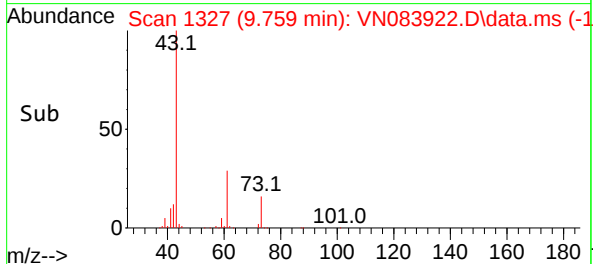
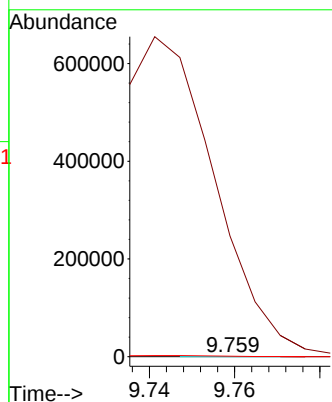
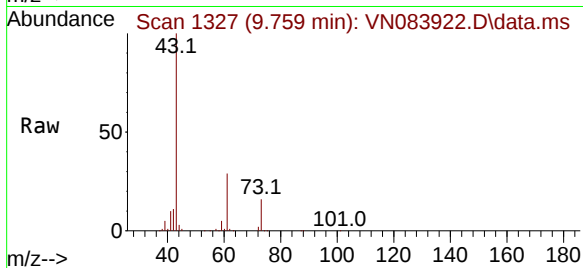
Tgt Ion: 88 Resp: 56

Ion Ratio Lower Upper

88 100

43 2119337.5 0.0 0.0#

58 8151.8 57.1 85.7#



#50

Toluene-d8

Concen: 54.983 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN083922.D

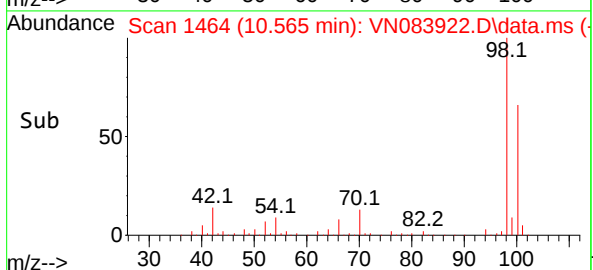
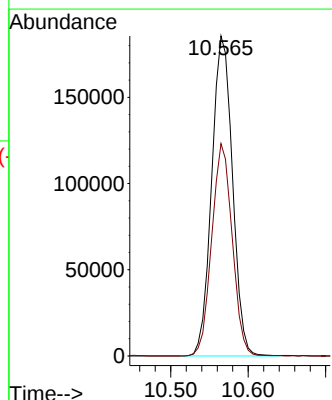
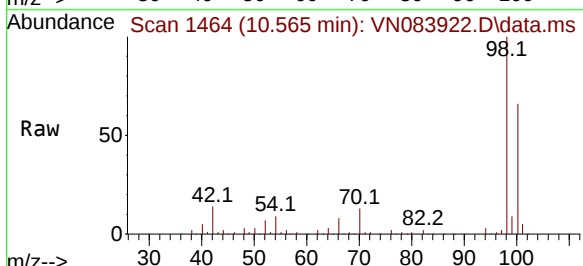
Acq: 16 Sep 2024 17:03

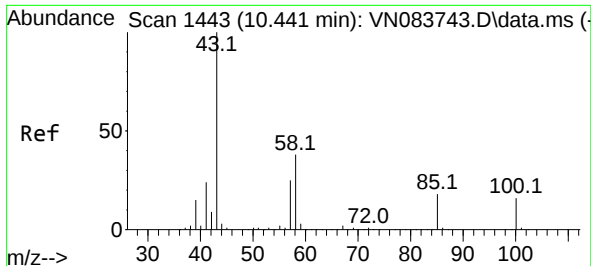
Tgt Ion: 98 Resp: 345155

Ion Ratio Lower Upper

98 100

100 65.4 52.0 78.0

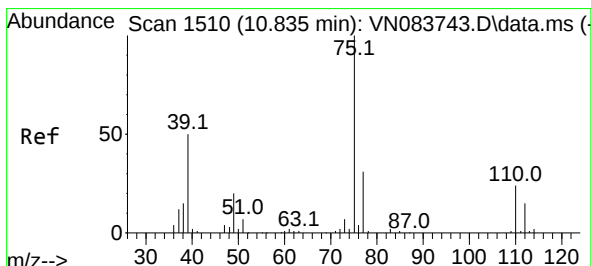
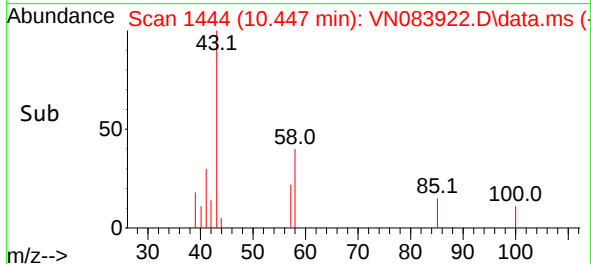
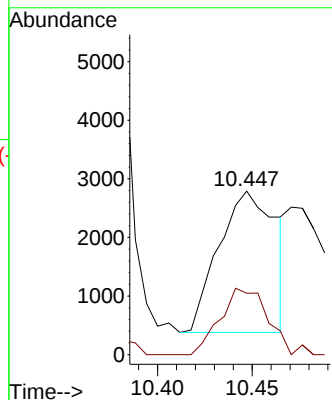
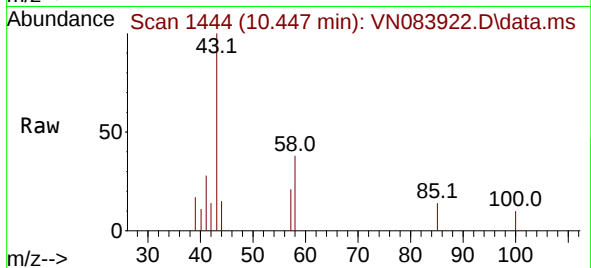




#51
4-Methyl-2-Pentanone
Concen: 2.060 ug/l
RT: 10.447 min Scan# 1443
Delta R.T. 0.006 min
Lab File: VN083922.D
Acq: 16 Sep 2024 17:03

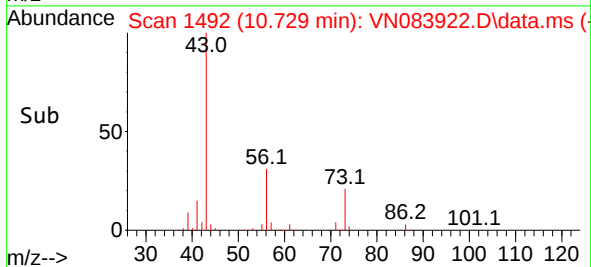
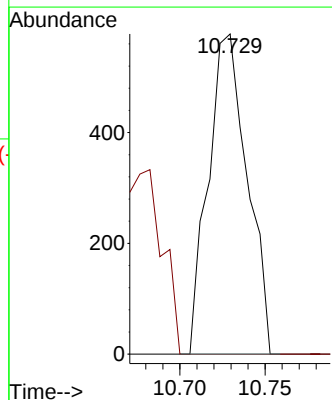
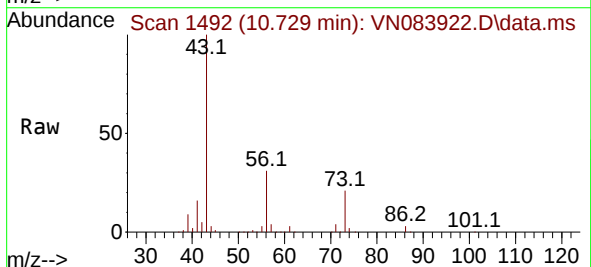
Instrument :
MSVOA_N
ClientSampleId :
PB163359TB

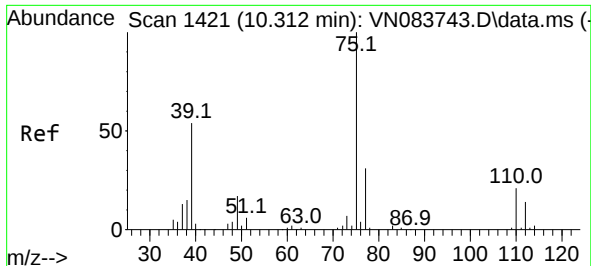
Tgt Ion: 43 Resp: 5042
Ion Ratio Lower Upper
43 100
58 39.9 31.6 47.4



#53
t-1,3-Dichloropropene
Concen: 0.300 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN083922.D
Acq: 16 Sep 2024 17:03

Tgt Ion: 75 Resp: 918
Ion Ratio Lower Upper
75 100
77 0.0 25.8 38.6#

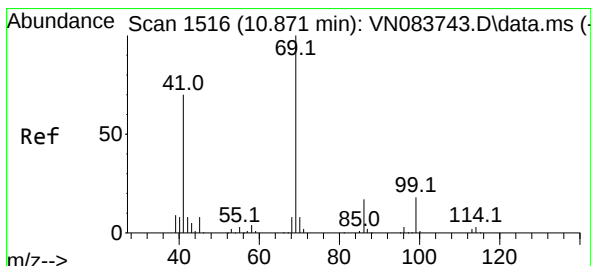
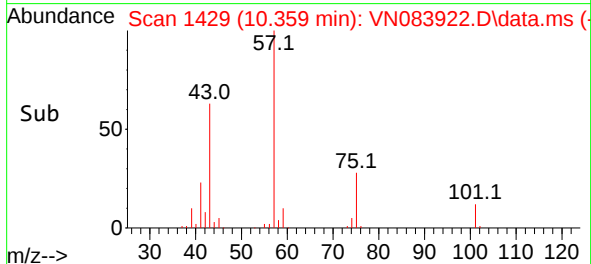
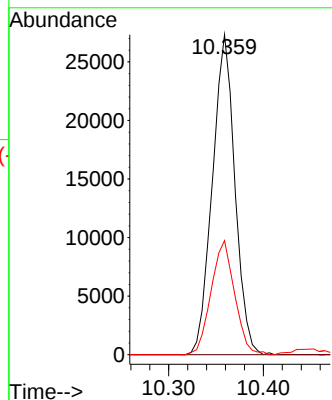
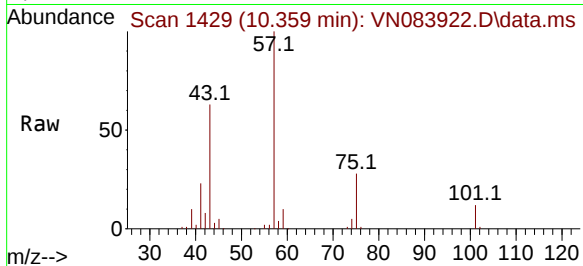




#54
cis-1,3-Dichloropropene
Concen: 14.050 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN083922.D
Acq: 16 Sep 2024 17:03

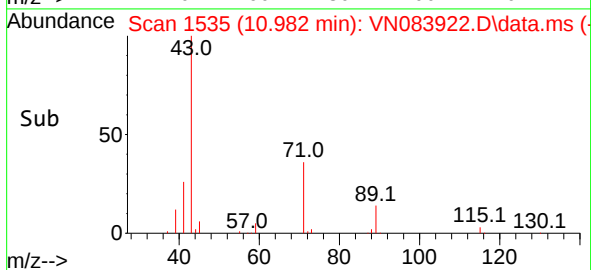
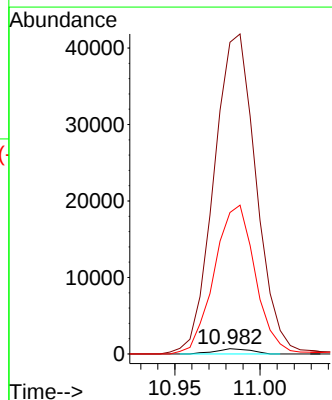
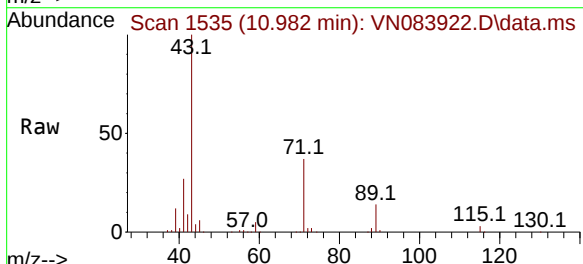
Instrument :
MSVOA_N
ClientSampleId :
PB163359TB

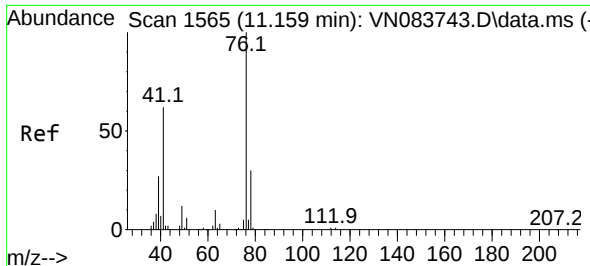
Tgt Ion: 75 Resp: 45089
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.6#
39 35.6 42.6 64.0#



#56
Ethyl methacrylate
Concen: 0.346 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.112 min
Lab File: VN083922.D
Acq: 16 Sep 2024 17:03

Tgt Ion: 69 Resp: 999
Ion Ratio Lower Upper
69 100
41 7251.1 53.9 80.9#
39 3271.4 32.6 48.8#





#57

1,3-Dichloropropane

Concen: 1.813 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN083922.D

Acq: 16 Sep 2024 17:03

Instrument :

MSVOA_N

ClientSampleId :

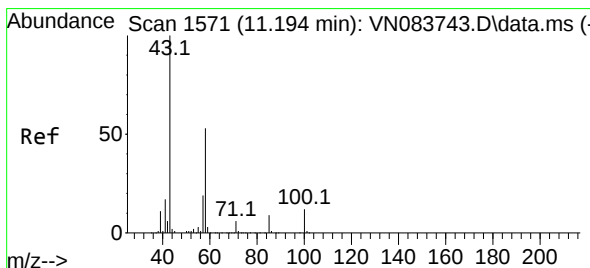
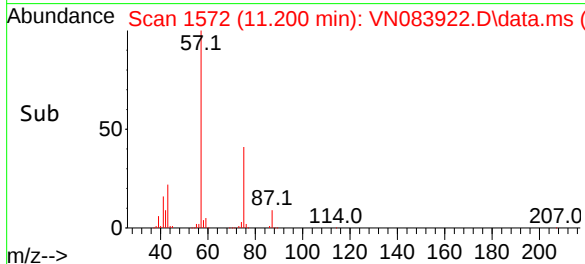
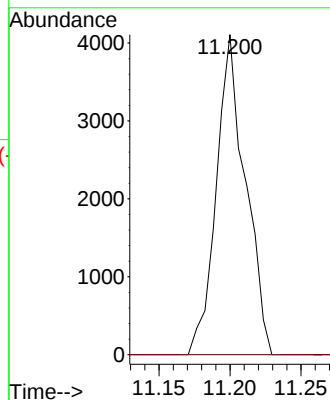
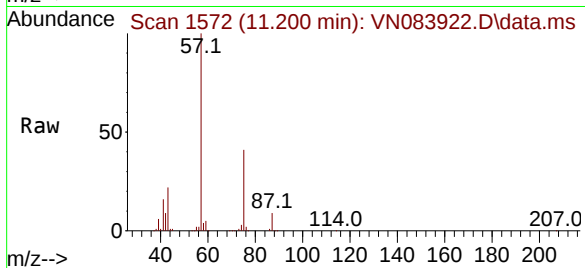
PB163359TB

Tgt Ion: 76 Resp: 5854

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 42.295 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN083922.D

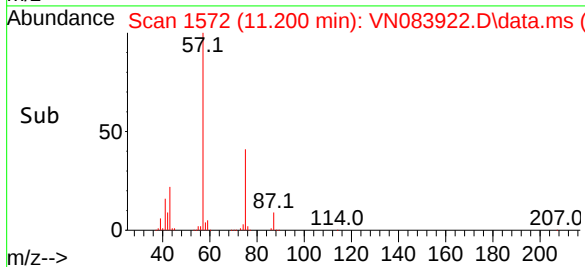
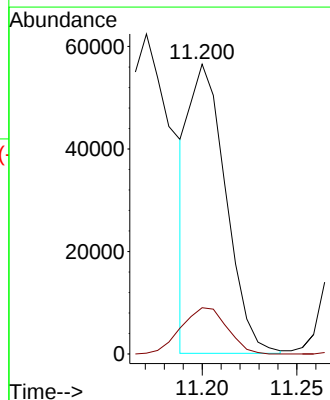
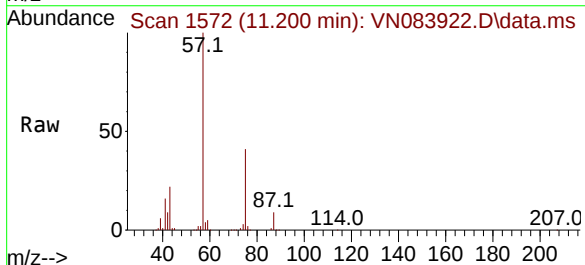
Acq: 16 Sep 2024 17:03

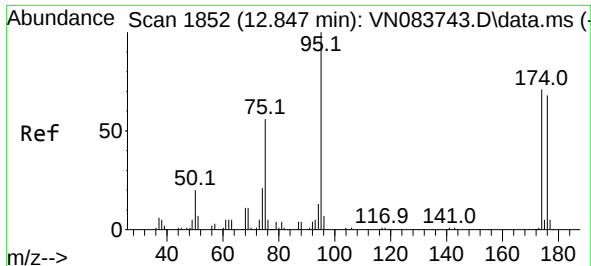
Tgt Ion: 43 Resp: 76565

Ion Ratio Lower Upper

43 100

58 20.0 27.2 81.5#





#62

4-Bromofluorobenzene

Concen: 44.894 ug/l

RT: 12.847 min Scan# 116273

Delta R.T. -0.000 min

Lab File: VN083922.D

Acq: 16 Sep 2024 17:03

Instrument :

MSVOA_N

ClientSampleId :

PB163359TB

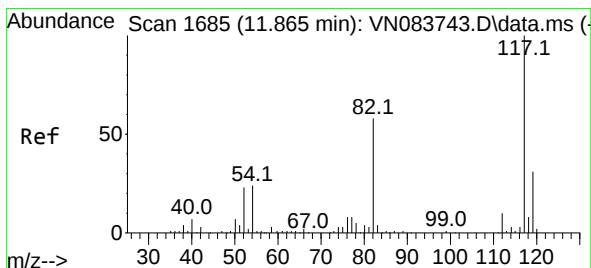
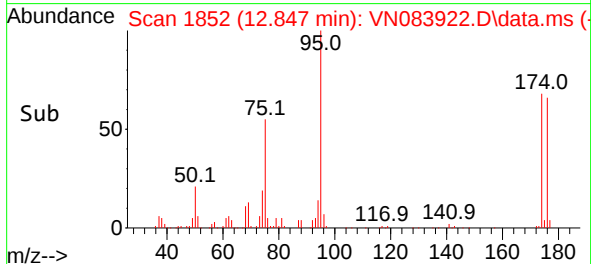
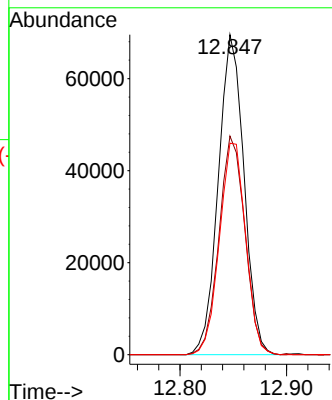
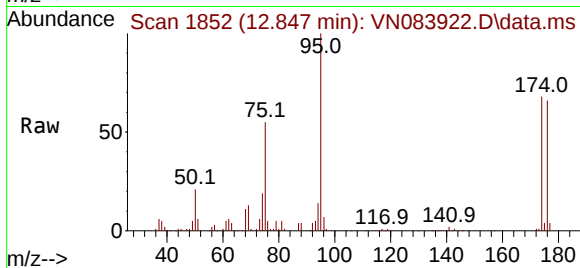
Tgt Ion: 95 Resp: 116273

Ion Ratio Lower Upper

95 100

174 69.0 0.0 139.8

176 67.7 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: VN083922.D

Acq: 16 Sep 2024 17:03

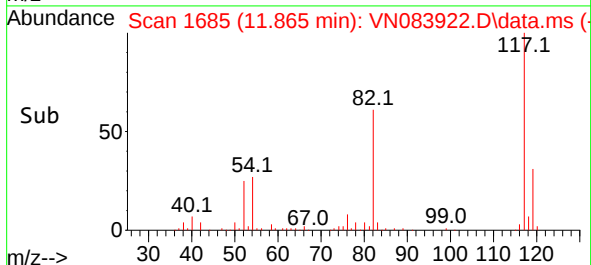
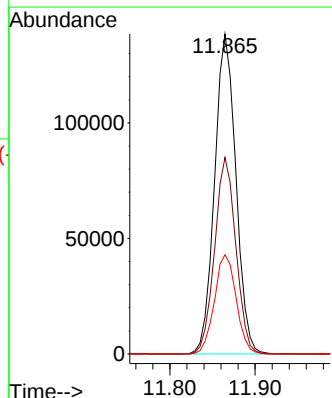
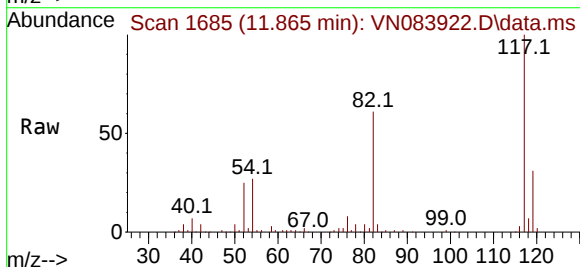
Tgt Ion: 117 Resp: 240344

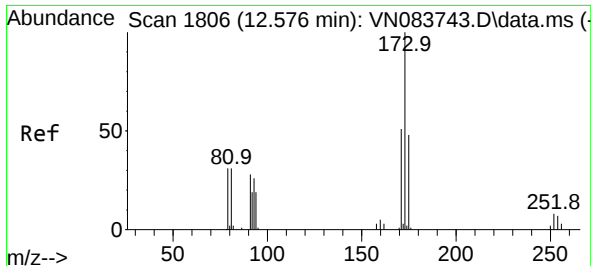
Ion Ratio Lower Upper

117 100

82 61.4 47.4 71.0

119 31.0 26.3 39.5

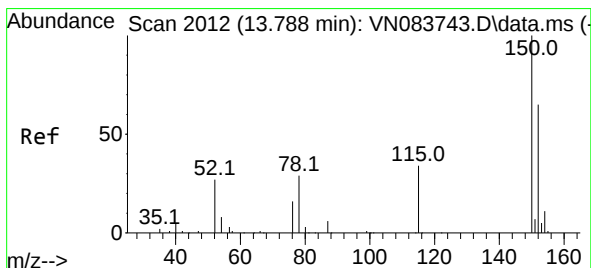
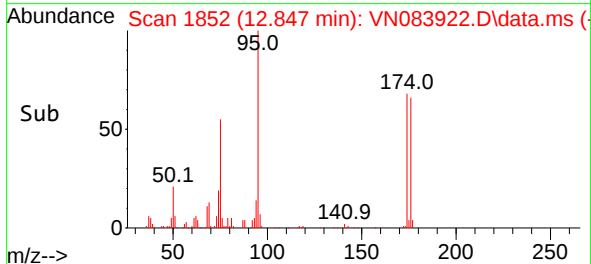
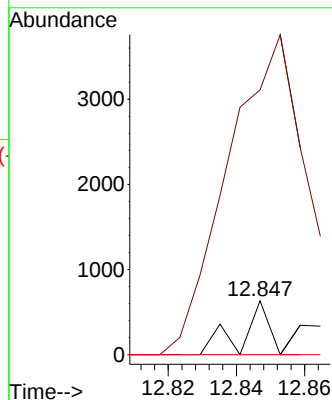
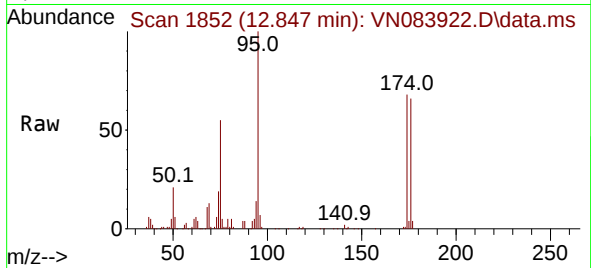




#71
Bromoform
Concen: 0.280 ug/l
RT: 12.847 min Scan# 1806
Delta R.T. 0.271 min
Lab File: VN083922.D
Acq: 16 Sep 2024 17:03

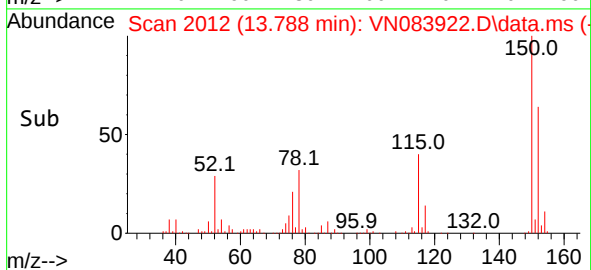
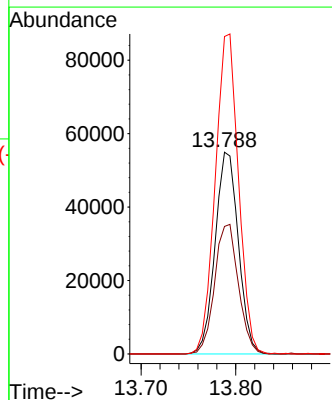
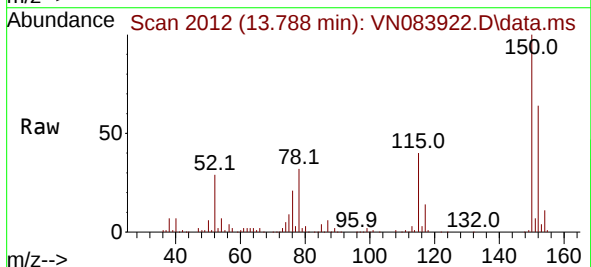
Instrument :
MSVOA_N
ClientSampleId :
PB163359TB

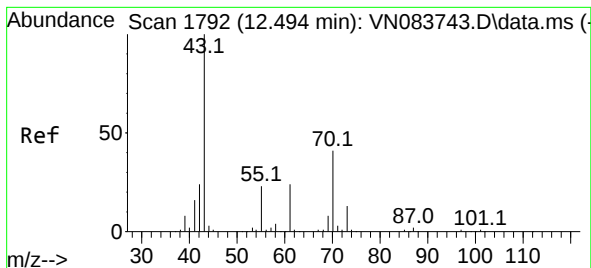
Tgt Ion:173 Resp: 350
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN083922.D
Acq: 16 Sep 2024 17:03

Tgt Ion:152 Resp: 94025
Ion Ratio Lower Upper
152 100
115 65.5 32.2 96.6
150 158.2 0.0 348.6





#74

N-amy1 acetate

Concen: 0.533 ug/l

RT: 12.482 min Scan# 1

Delta R.T. -0.012 min

Lab File: VN083922.D

Acq: 16 Sep 2024 17:03

Instrument :

MSVOA_N

ClientSampleId :

PB163359TB

Tgt Ion: 43 Resp: 1654

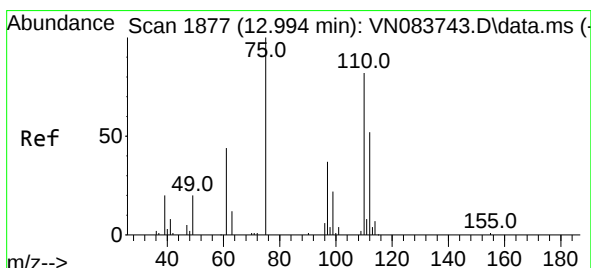
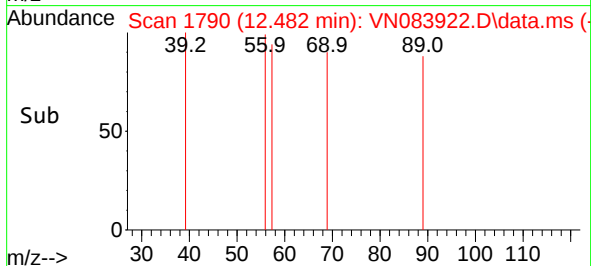
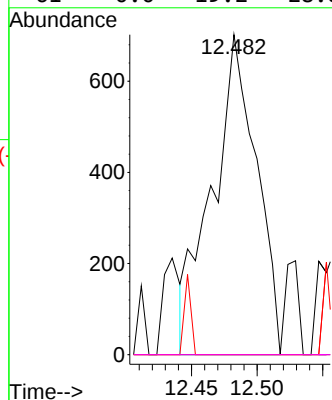
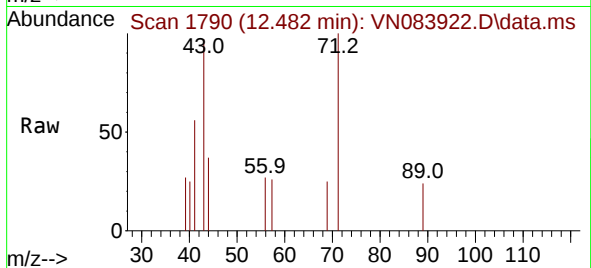
Ion Ratio Lower Upper

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: 34.475 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN083922.D

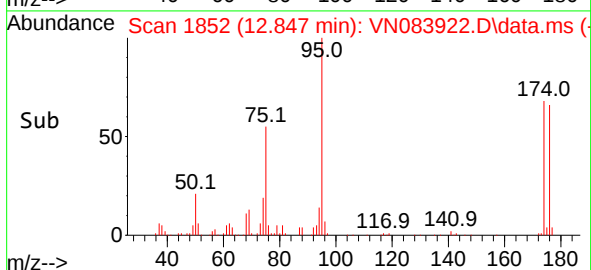
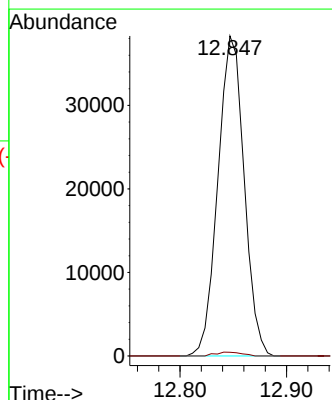
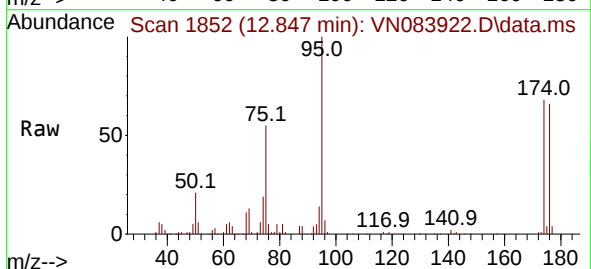
Acq: 16 Sep 2024 17:03

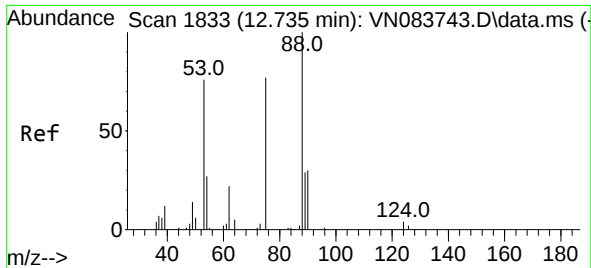
Tgt Ion: 75 Resp: 65407

Ion Ratio Lower Upper

75 100

77 1.2 95.2 285.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.292 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN083922.D
 Acq: 16 Sep 2024 17:03

Instrument :
 MSVOA_N
 ClientSampleId :
 PB163359TB

Tgt Ion: 75 Resp: 65407
 Ion Ratio Lower Upper
 75 100
 53 0.0 81.2 121.8#
 89 0.0 35.7 53.5#

