

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091924\
 Data File : VN084051.D
 Acq On : 19 Sep 2024 22:06
 Operator : JC\MD
 Sample : P4003-16
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE108D2-20240913

Quant Time: Sep 20 01:39:04 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)

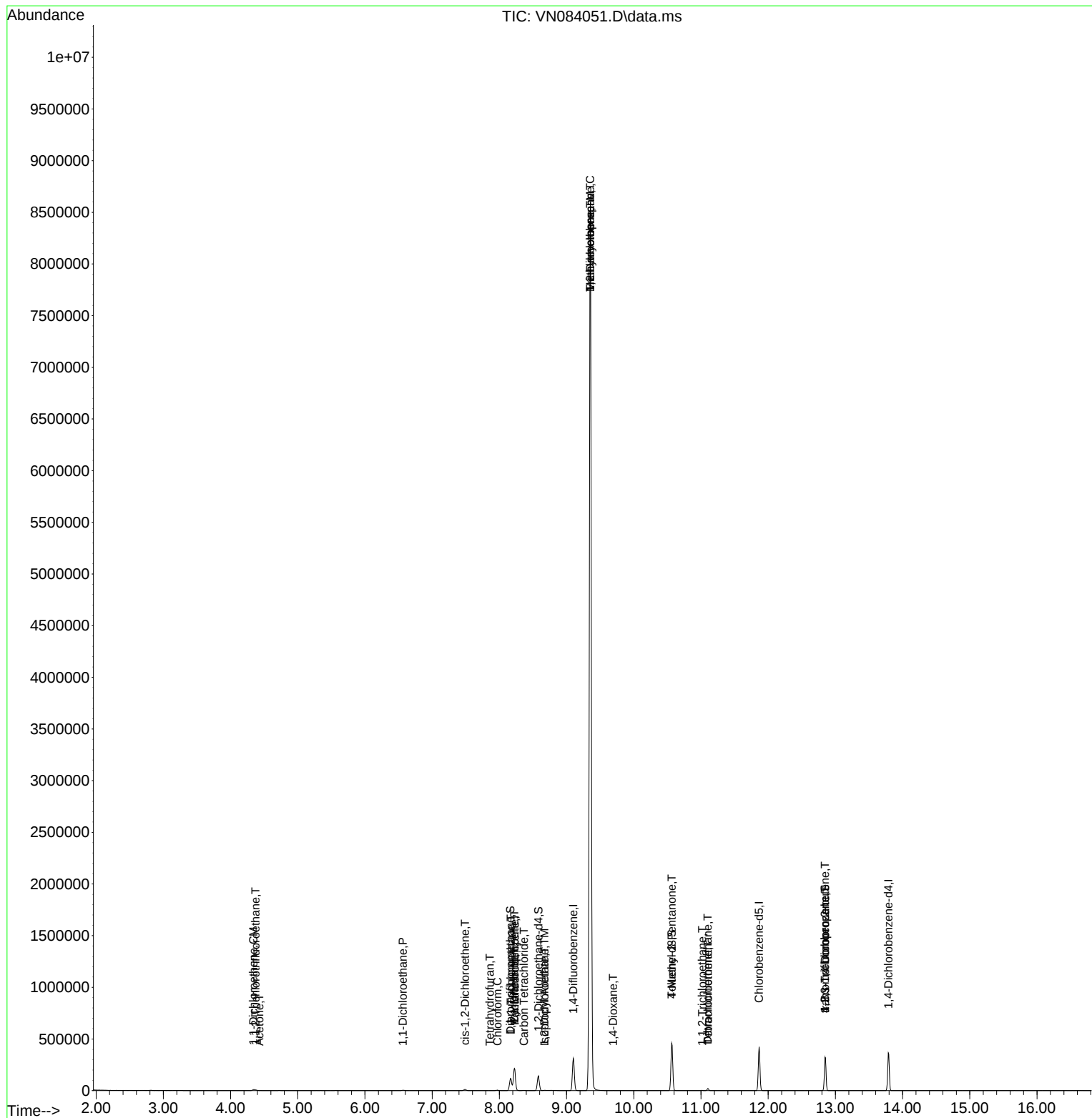
Internal Standards						
1) Pentafluorobenzene	8.230	168	144470	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	251584	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	220809	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	91758	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	117593	53.981	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.960%			
35) Dibromofluoromethane	8.165	113	83783	52.019	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.040%			
50) Toluene-d8	10.565	98	313914	56.379	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 112.760%			
62) 4-Bromofluorobenzene	12.847	95	109338	47.596	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.200%			
Target Compounds						Qvalue
3) Chloromethane	2.365	50	703	Below Cal		99
9) 1,1,2-Trichlorotrifluo...	4.371	101	4455	2.693 ug/l #		32
12) 1,1-Dichloroethene	4.342	96	4526	2.896 ug/l		93
16) Acetone	4.430	43	579	0.663 ug/l #		66
18) Methyl Acetate	5.036	43	90	Below Cal #		52
24) 1,1-Dichloroethane	6.565	63	5837	1.768 ug/l #		87
27) cis-1,2-Dichloroethene	7.488	96	6854	3.448 ug/l		89
29) Tetrahydrofuran	7.859	42	339	0.500 ug/l #		32
30) Chloroform	7.971	83	3934	1.122 ug/l		99
31) Cyclohexane	8.224	56	4211	1.338 ug/l #		33
32) 1,1,1-Trichloroethane	8.171	97	773	0.240 ug/l #		51
36) 1,1-Dichloropropene	8.224	75	14390	5.936 ug/l #		50
38) Carbon Tetrachloride	8.365	117	2034	0.740 ug/l #		69
39) Methylcyclohexane	9.353	83	40191	14.565 ug/l #		1
42) 1,2-Dichloroethane	8.671	62	651	0.239 ug/l #		77
43) Isopropyl Acetate	8.671	43	1674	0.420 ug/l #		57
44) Trichloroethene	9.353	130	2829859	1674.788 ug/l		90
45) 1,2-Dichloropropane	9.353	63	10698	6.066 ug/l #		1
49) 1,4-Dioxane	9.694	88	408	13.110 ug/l #		30
51) 4-Methyl-2-Pentanone	10.565	43	1786	0.823 ug/l #		1
55) 1,1,2-Trichloroethane	11.018	97	1066	0.640 ug/l #		81
60) Dibromochloromethane	11.100	129	4686	2.513 ug/l #		10
64) Tetrachloroethene	11.106	164	4109	2.798 ug/l		94
76) 1,2,3-Trichloropropane	12.847	75	63681	34.394 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.847	75	63681	90.081 ug/l #		9

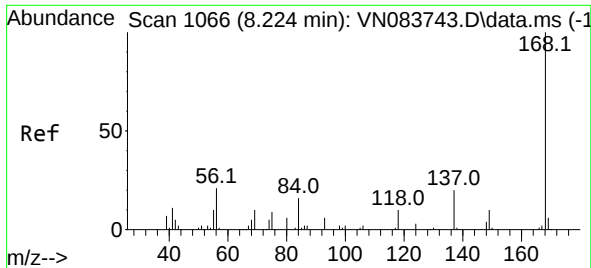
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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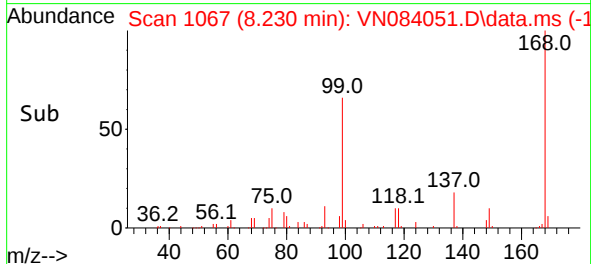
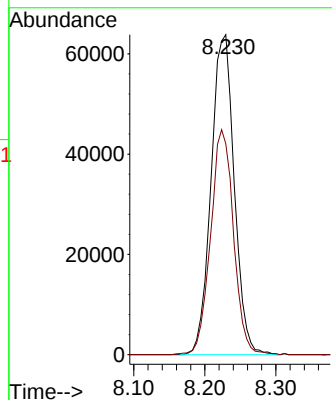
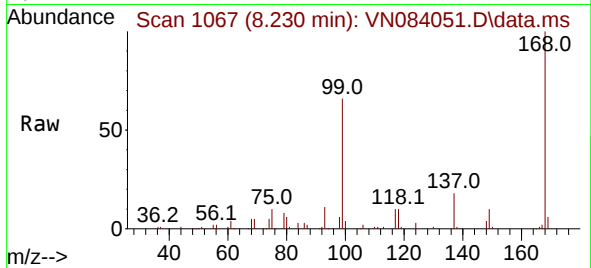




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084051.D
Acq: 19 Sep 2024 22:06

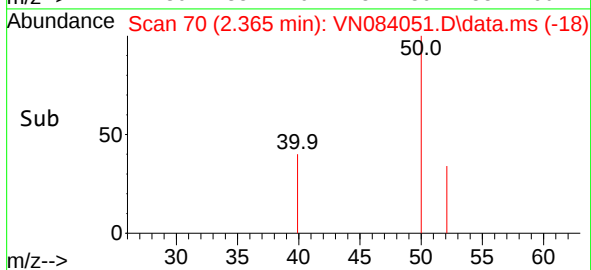
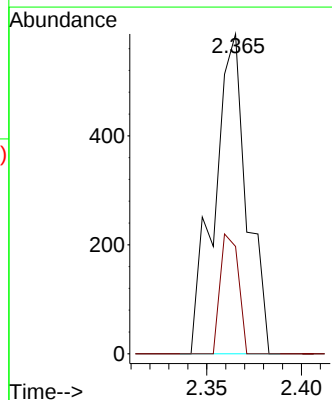
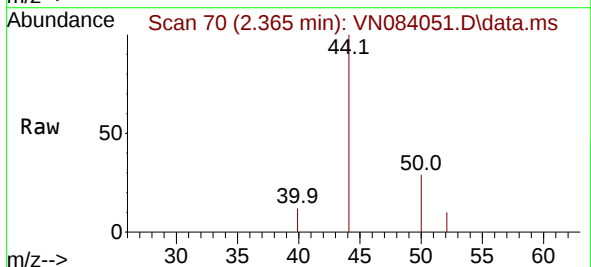
Instrument :
MSVOA_N
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RE108D2-20240913

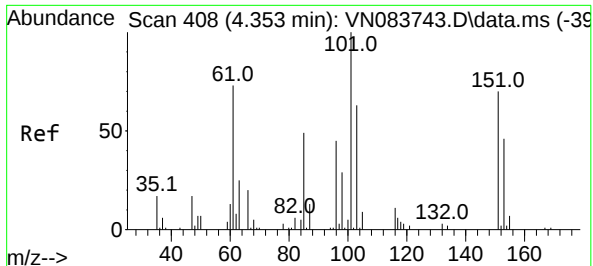
Tgt Ion:168 Resp: 144470
Ion Ratio Lower Upper
168 100
99 65.9 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084051.D
Acq: 19 Sep 2024 22:06

Tgt Ion: 50 Resp: 703
Ion Ratio Lower Upper
50 100
52 33.6 27.2 40.8

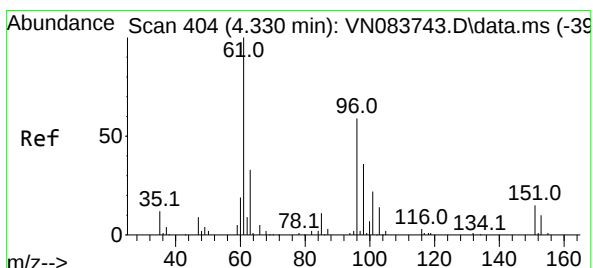
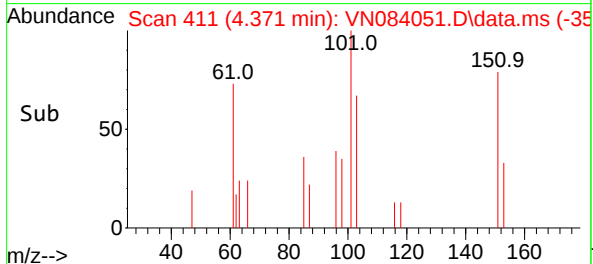
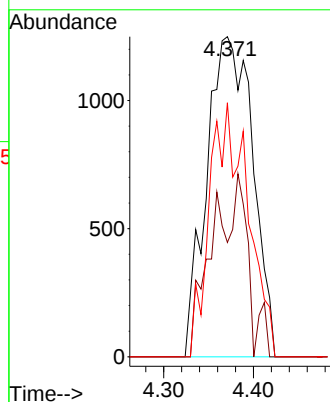
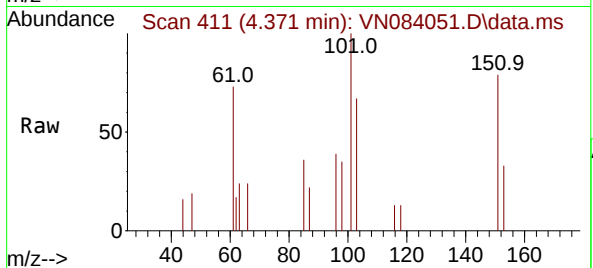




#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.693 ug/l
RT: 4.371 min Scan# 411
Delta R.T. 0.018 min
Lab File: VN084051.D
Acq: 19 Sep 2024 22:06

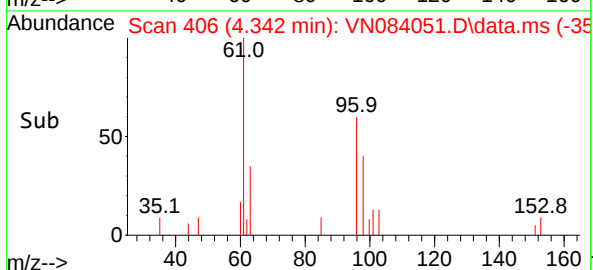
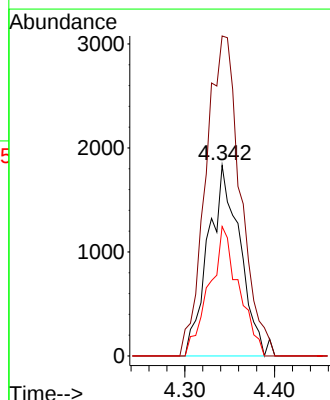
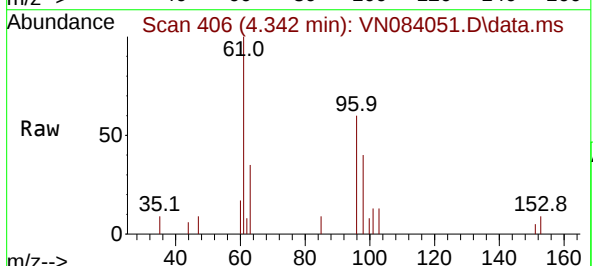
Instrument :
MSVOA_N
ClientSampleId :
RE108D2-20240913

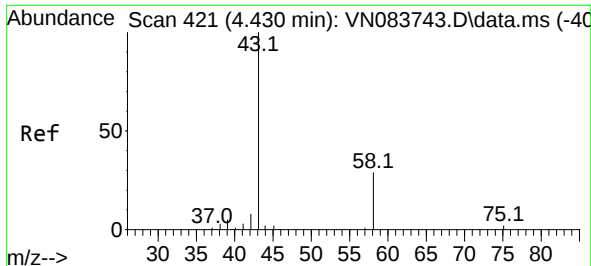
Tgt Ion:101 Resp: 4455
Ion Ratio Lower Upper
101 100
85 20.8 36.2 54.4#
151 0.0 57.7 86.5#



#12
1,1-Dichloroethene
Concen: 2.896 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.012 min
Lab File: VN084051.D
Acq: 19 Sep 2024 22:06

Tgt Ion: 96 Resp: 4526
Ion Ratio Lower Upper
96 100
61 167.9 143.4 215.0
98 67.9 52.7 79.1





#16

Acetone

Concen: 0.663 ug/l

RT: 4.430 min Scan# 41

Delta R.T. -0.000 min

Lab File: VN084051.D

Acq: 19 Sep 2024 22:06

Instrument :

MSVOA_N

ClientSampleId :

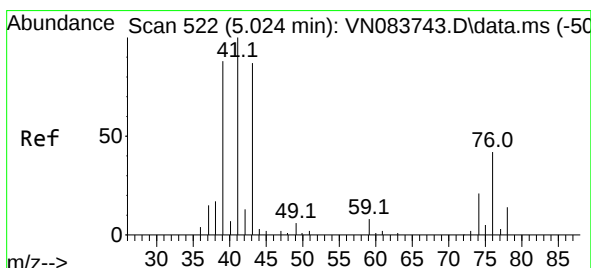
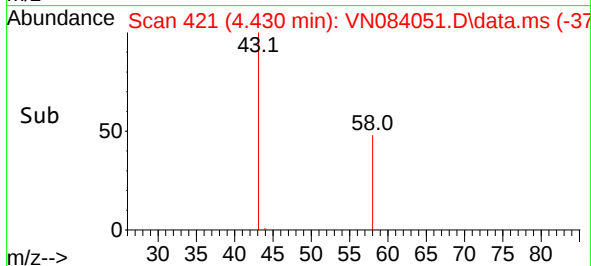
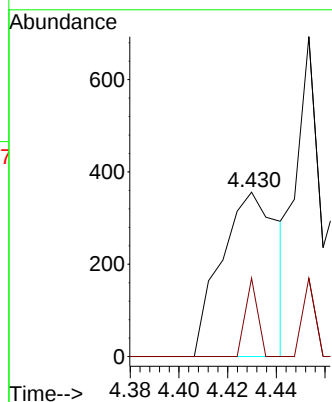
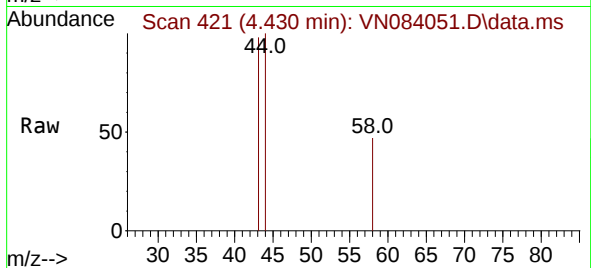
RE108D2-20240913

Tgt Ion: 43 Resp: 579

Ion Ratio Lower Upper

43 100

58 47.8 23.7 35.5#



#18

Methyl Acetate

Concen: Below Cal

RT: 5.036 min Scan# 524

Delta R.T. 0.012 min

Lab File: VN084051.D

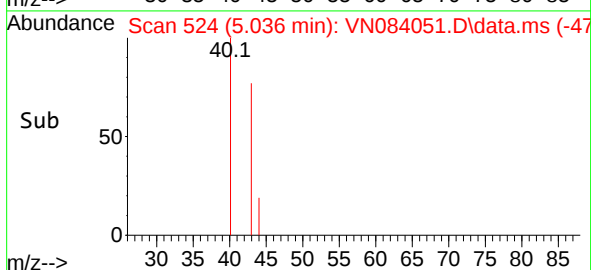
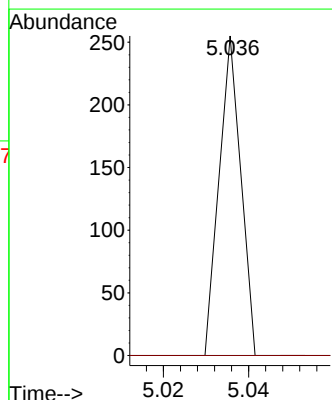
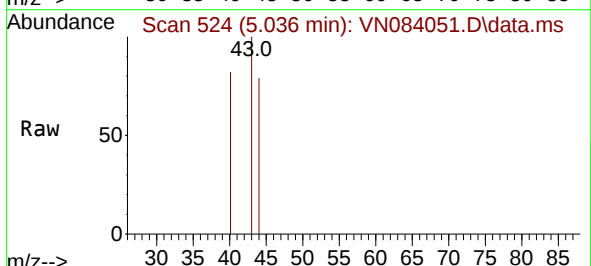
Acq: 19 Sep 2024 22:06

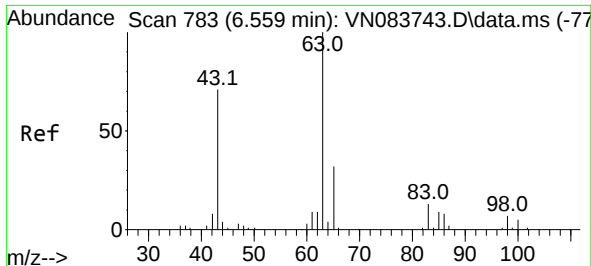
Tgt Ion: 43 Resp: 90

Ion Ratio Lower Upper

43 100

74 0.0 19.0 28.4#

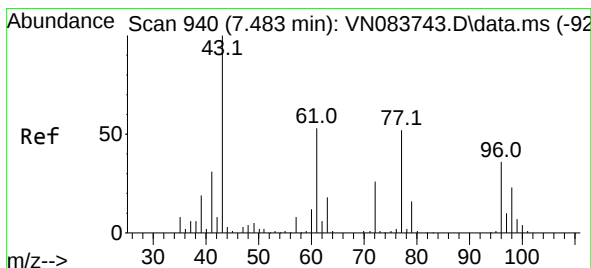
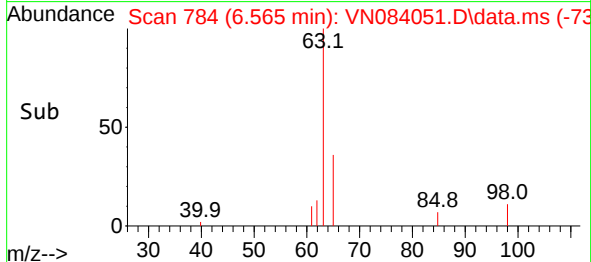
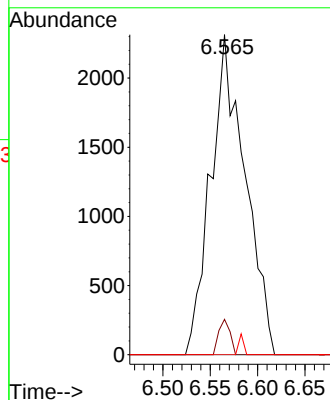
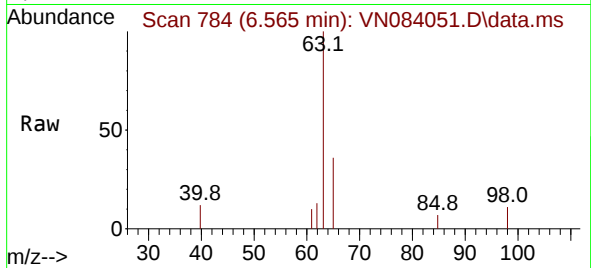




#24
1,1-Dichloroethane
Concen: 1.768 ug/l
RT: 6.565 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN084051.D
Acq: 19 Sep 2024 22:06

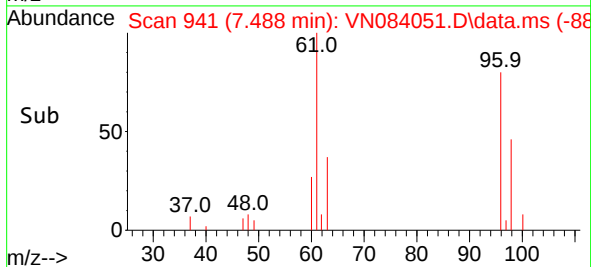
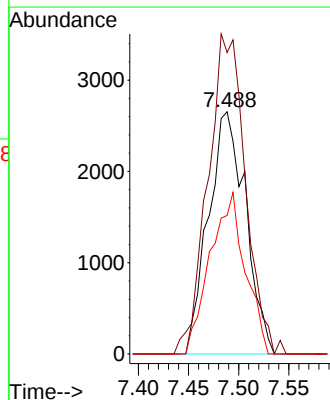
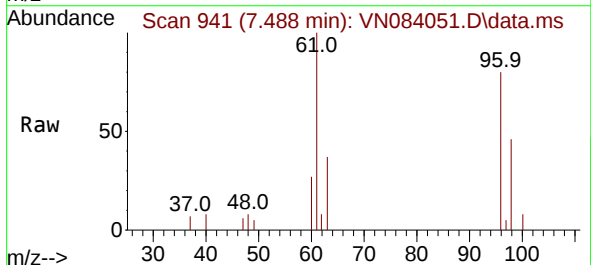
Instrument :
MSVOA_N
ClientSampleId :
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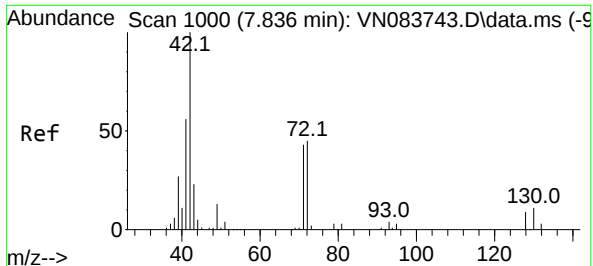
Tgt Ion: 63 Resp: 5837
Ion Ratio Lower Upper
63 100
98 11.1 3.5 10.4#
100 0.0 2.5 7.5#



#27
cis-1,2-Dichloroethene
Concen: 3.448 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN084051.D
Acq: 19 Sep 2024 22:06

Tgt Ion: 96 Resp: 6854
Ion Ratio Lower Upper
96 100
61 133.1 0.0 306.2
98 62.9 0.0 128.6





#29

Tetrahydrofuran

Concen: 0.500 ug/l

RT: 7.859 min Scan# 1004

Delta R.T. 0.023 min

Lab File: VN084051.D

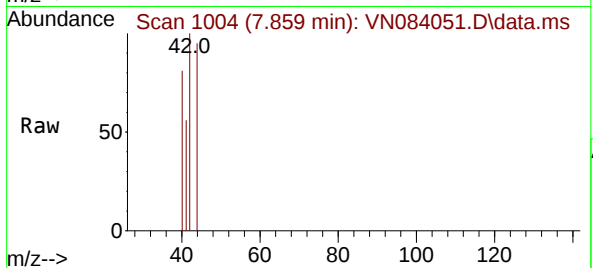
Acq: 19 Sep 2024 22:06

Instrument :

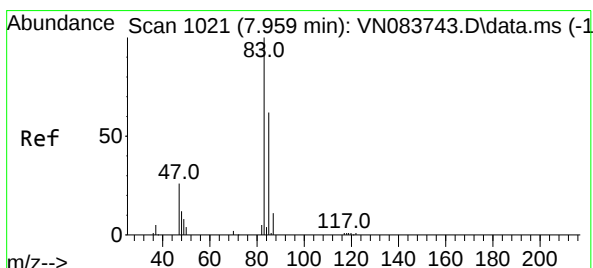
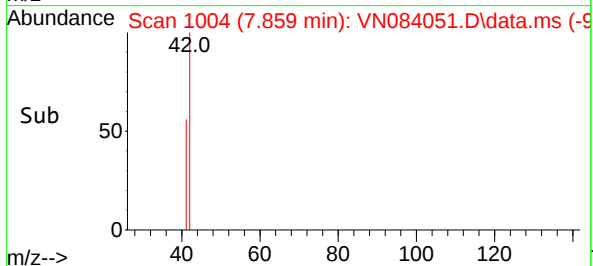
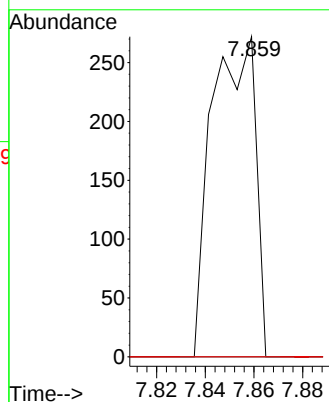
MSVOA_N

ClientSampleId :

RE108D2-20240913



Tgt Ion:	42	Resp:	339
Ion	Ratio	Lower	Upper
42	100		
72	0.0	35.9	53.9#
71	0.0	33.9	50.9#



#30

Chloroform

Concen: 1.122 ug/l

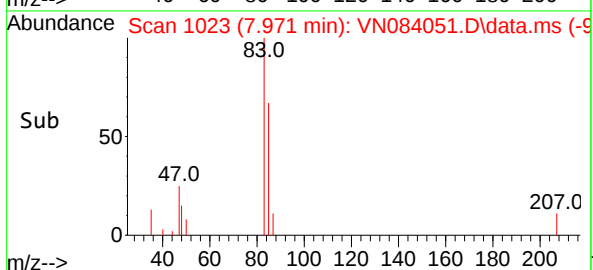
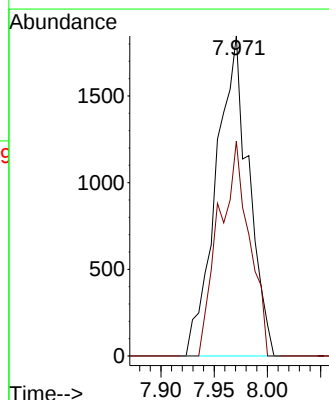
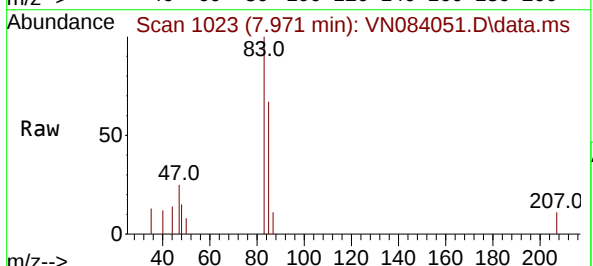
RT: 7.971 min Scan# 1023

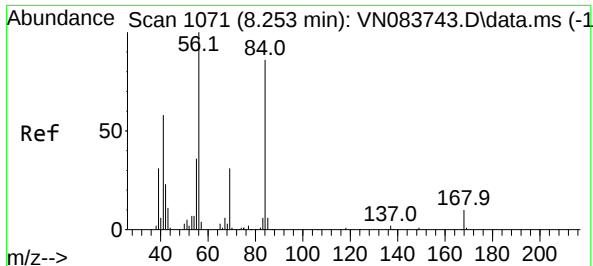
Delta R.T. 0.012 min

Lab File: VN084051.D

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Tgt Ion:	83	Resp:	3934
Ion	Ratio	Lower	Upper
83	100		
85	67.2	52.8	79.2

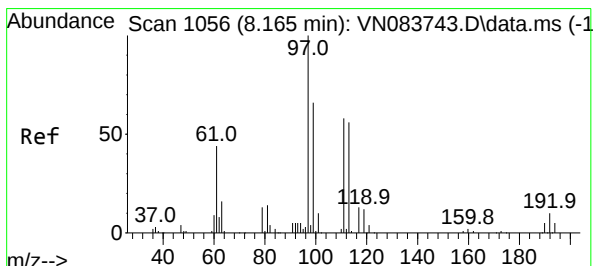
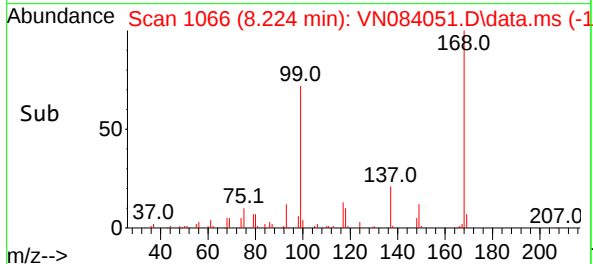
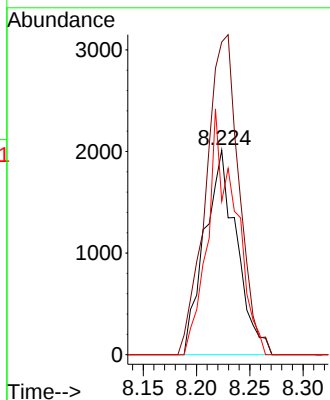
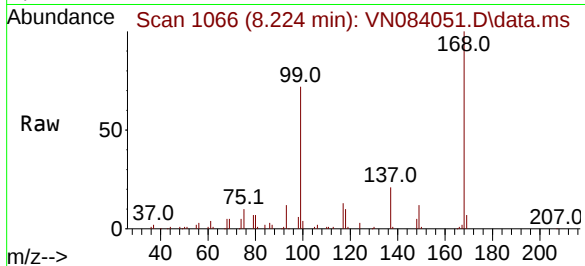




#31
Cyclohexane
Concen: 1.338 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN084051.D
Acq: 19 Sep 2024 22:06

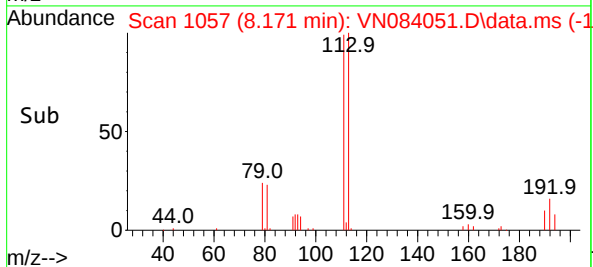
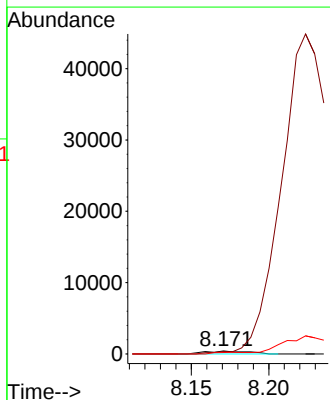
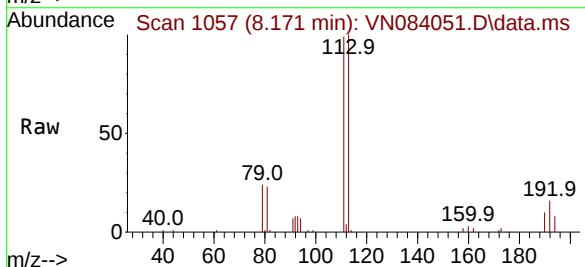
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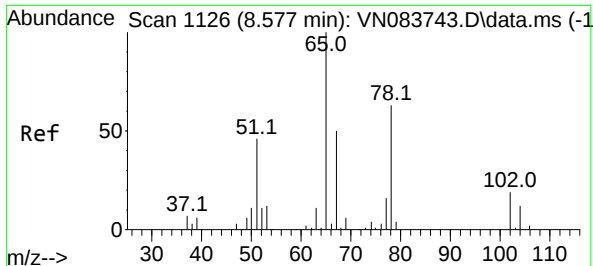
Tgt Ion: 56 Resp: 4211
Ion Ratio Lower Upper
56 100
69 152.7 26.9 40.3#
84 75.0 69.2 103.8



#32
1,1,1-Trichloroethane
Concen: 0.240 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN084051.D
Acq: 19 Sep 2024 22:06

Tgt Ion: 97 Resp: 773
Ion Ratio Lower Upper
97 100
99 0.0 52.3 78.5#
61 46.2 38.2 57.2





#33

1,2-Dichloroethane-d4

Concen: 53.981 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN084051.D

Acq: 19 Sep 2024 22:06

Instrument :

MSVOA_N

ClientSampleId :

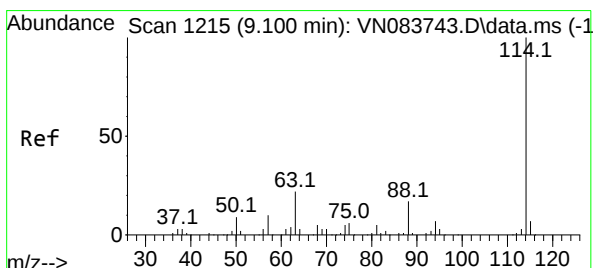
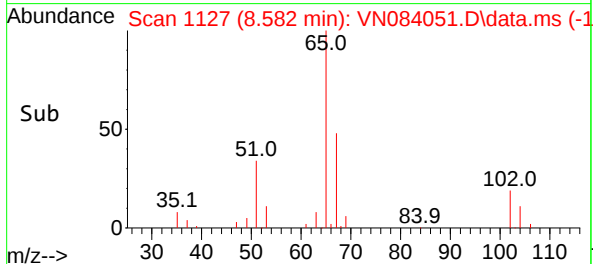
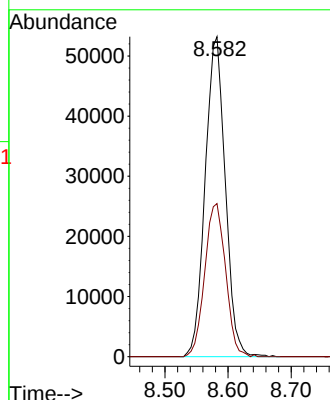
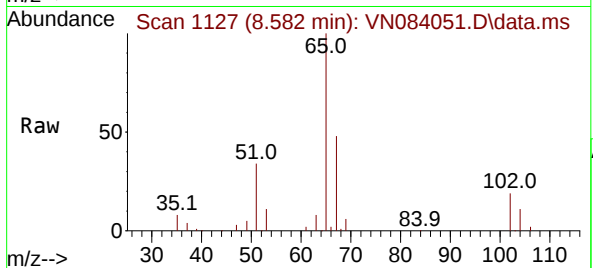
RE108D2-20240913

Tgt Ion: 65 Resp: 117593

Ion Ratio Lower Upper

65 100

67 49.6 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: VN084051.D

Acq: 19 Sep 2024 22:06

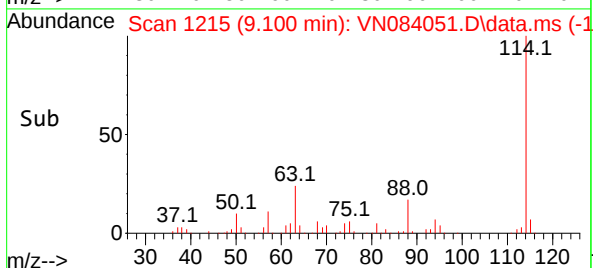
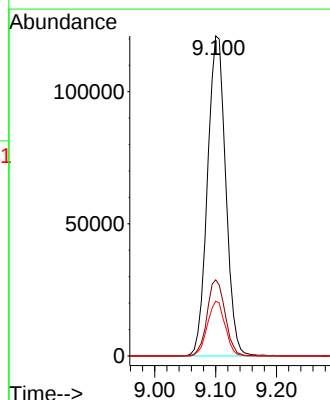
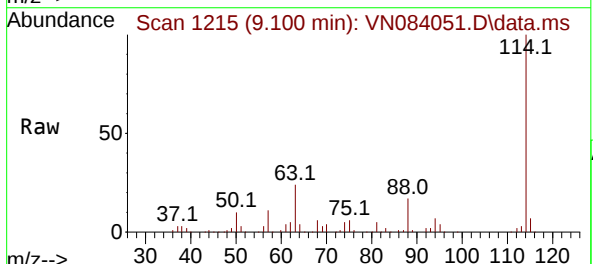
Tgt Ion: 114 Resp: 251584

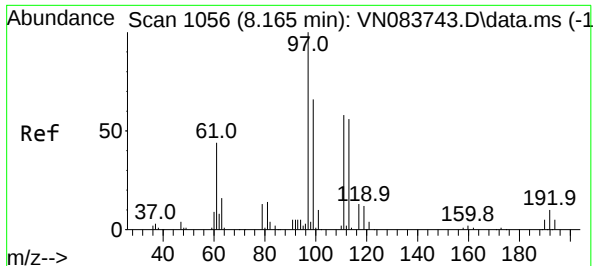
Ion Ratio Lower Upper

114 100

63 23.8 0.0 43.4

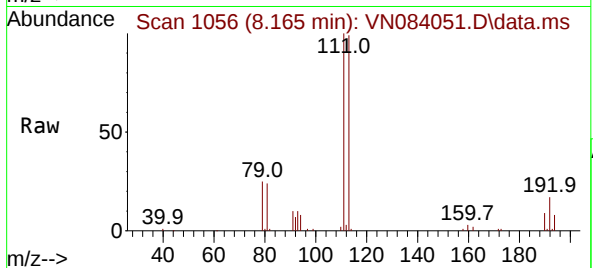
88 17.1 0.0 32.6



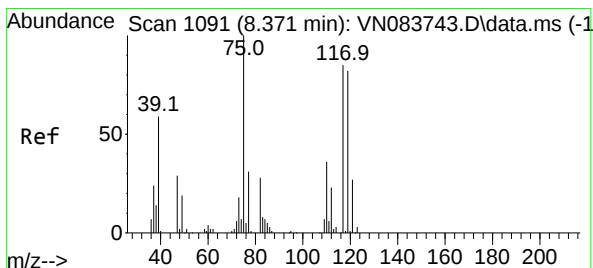
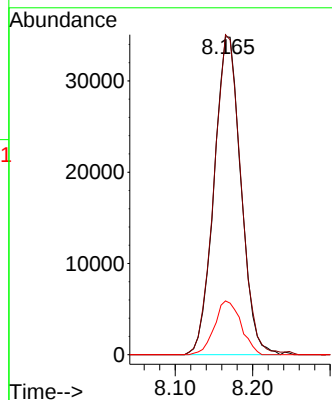
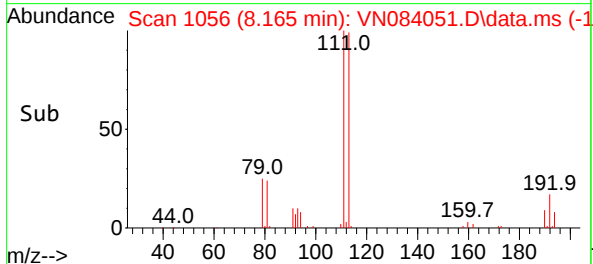


#35
Dibromofluoromethane
Concen: 52.019 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084051.D
Acq: 19 Sep 2024 22:06

Instrument :
MSVOA_N
ClientSampleId :
RE108D2-20240913

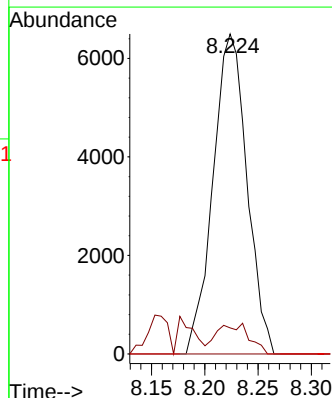
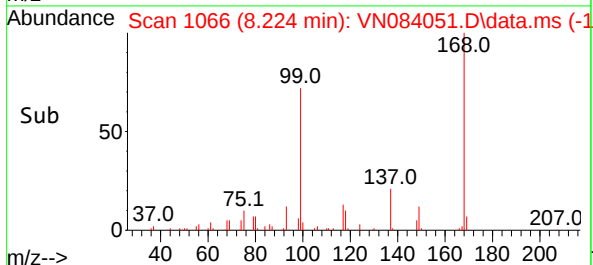
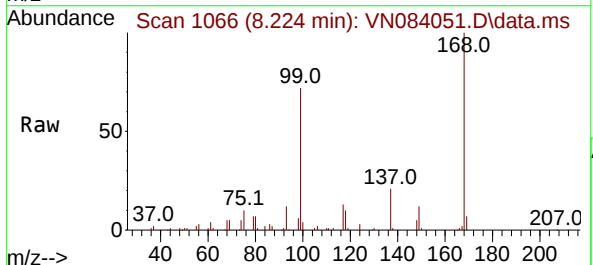


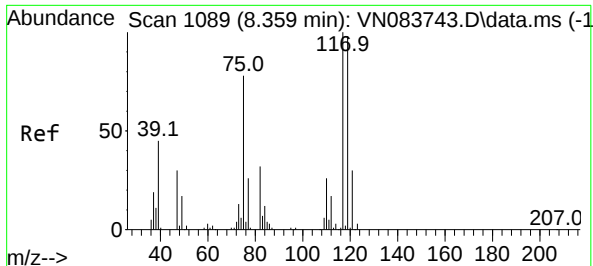
Tgt Ion:113 Resp: 83783
Ion Ratio Lower Upper
113 100
111 100.7 82.6 124.0
192 16.7 14.3 21.5



#36
1,1-Dichloropropene
Concen: 5.936 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN084051.D
Acq: 19 Sep 2024 22:06

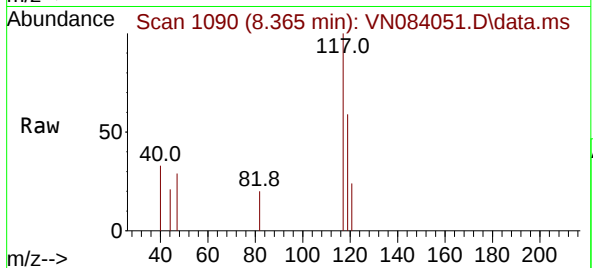
Tgt Ion: 75 Resp: 14390
Ion Ratio Lower Upper
75 100
110 9.0 16.7 50.1#
77 0.0 25.2 37.8#



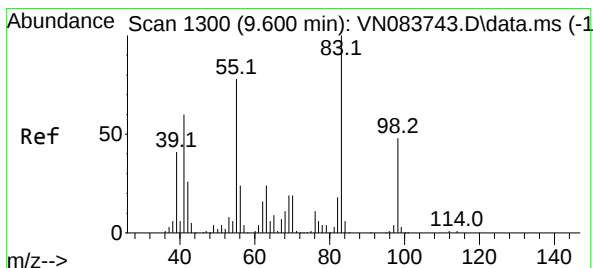
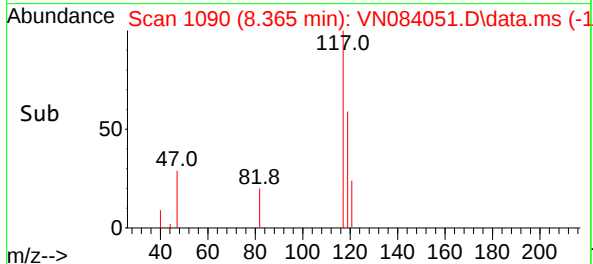
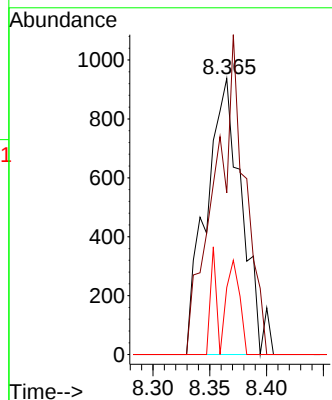


#38
Carbon Tetrachloride
Concen: 0.740 ug/l
RT: 8.365 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN084051.D
Acq: 19 Sep 2024 22:06

Instrument :
MSVOA_N
ClientSampleId :
RE108D2-20240913

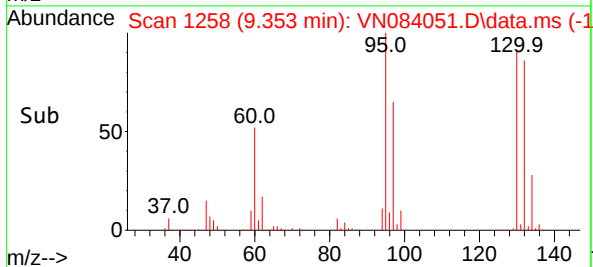
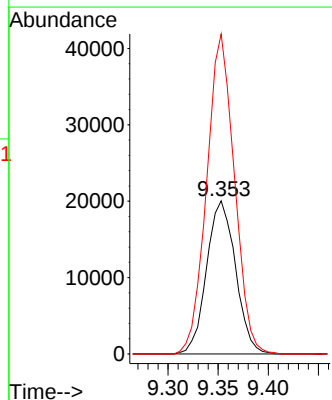
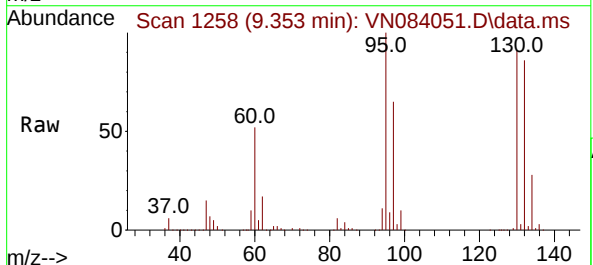


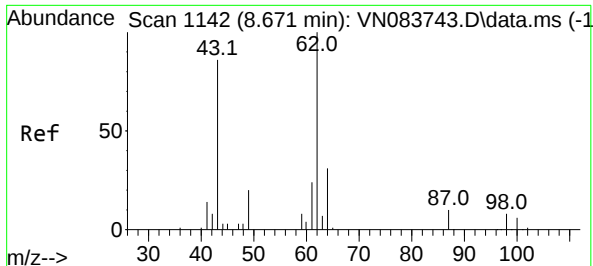
Tgt Ion: 117 Resp: 2034
Ion Ratio Lower Upper
117 100
119 58.6 76.1 114.1#
121 24.3 24.1 36.1



#39
Methylcyclohexane
Concen: 14.565 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. -0.247 min
Lab File: VN084051.D
Acq: 19 Sep 2024 22:06

Tgt Ion: 83 Resp: 40191
Ion Ratio Lower Upper
83 100
55 0.0 62.2 93.4#
98 209.1 37.6 56.4#





#42

1,2-Dichloroethane

Concen: 0.239 ug/l

RT: 8.671 min Scan# 1142

Delta R.T. -0.000 min

Lab File: VN084051.D

Acq: 19 Sep 2024 22:06

Instrument :

MSVOA_N

ClientSampleId :

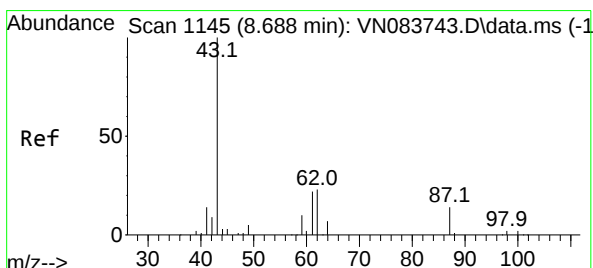
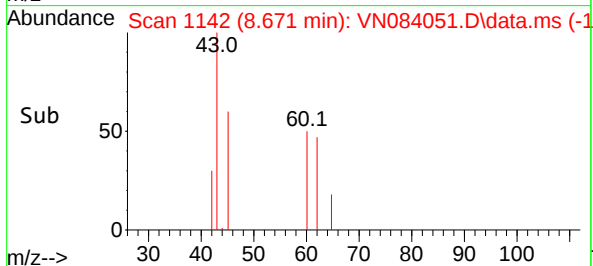
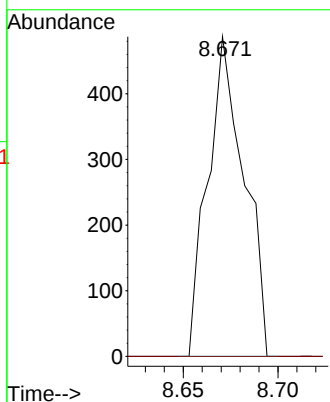
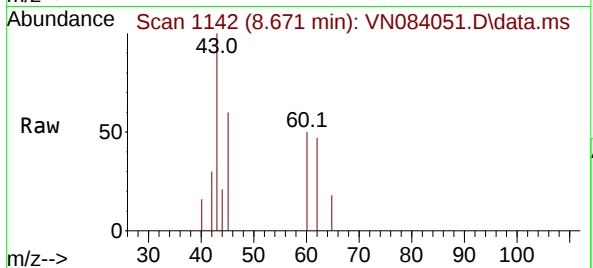
RE108D2-20240913

Tgt Ion: 62 Resp: 651

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.6



#43

Isopropyl Acetate

Concen: 0.420 ug/l

RT: 8.671 min Scan# 1142

Delta R.T. -0.018 min

Lab File: VN084051.D

Acq: 19 Sep 2024 22:06

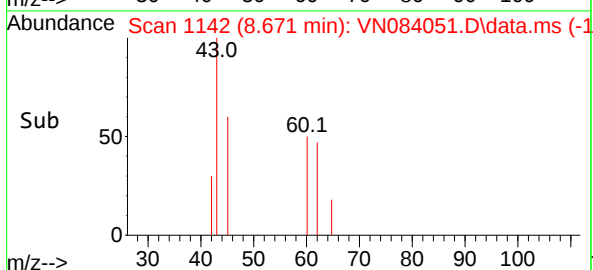
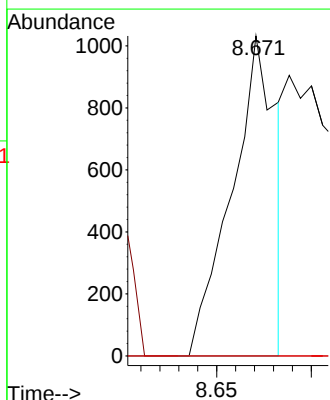
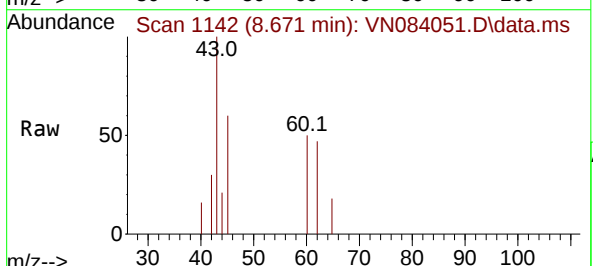
Tgt Ion: 43 Resp: 1674

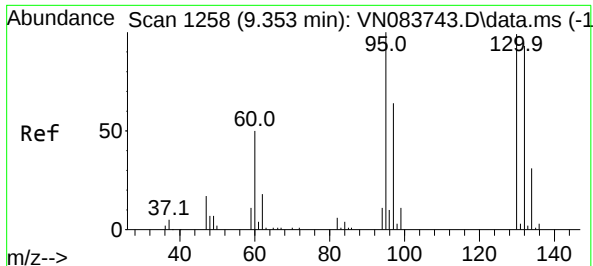
Ion Ratio Lower Upper

43 100

61 0.0 19.4 29.0#

87 0.0 9.8 14.6#

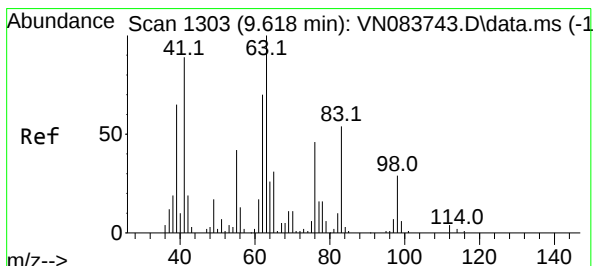
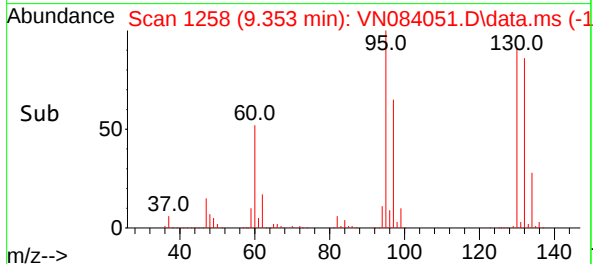
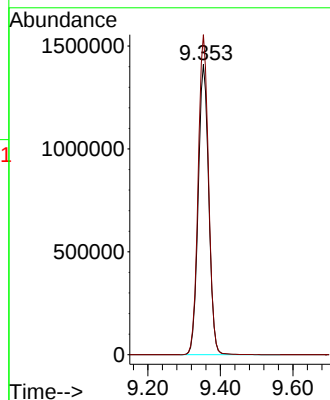
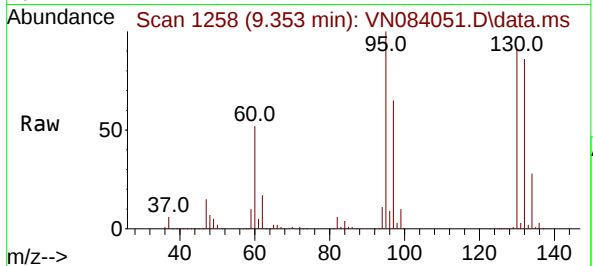




#44
Trichloroethene
Concen: 1674.788 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. -0.000 min
Lab File: VN084051.D
Acq: 19 Sep 2024 22:06

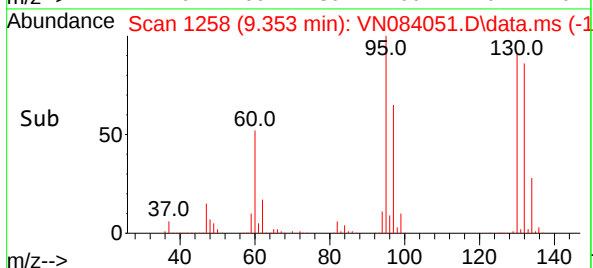
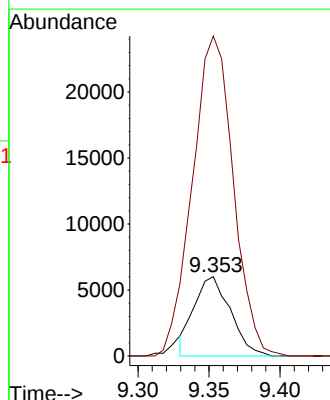
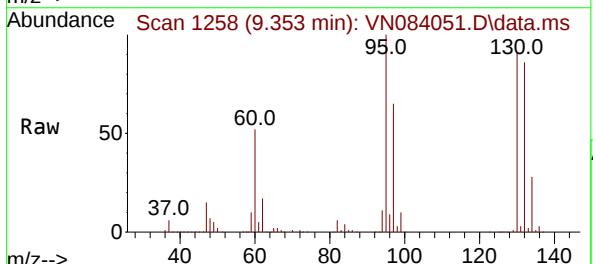
Instrument :
MSVOA_N
ClientSampleId :
RE108D2-20240913

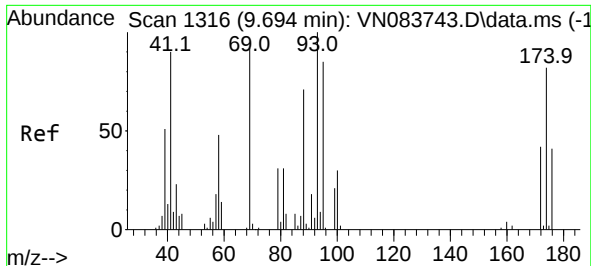
Tgt Ion:130 Resp: 2829859
Ion Ratio Lower Upper
130 100
95 110.3 0.0 200.4



#45
1,2-Dichloropropane
Concen: 6.066 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. -0.265 min
Lab File: VN084051.D
Acq: 19 Sep 2024 22:06

Tgt Ion: 63 Resp: 10698
Ion Ratio Lower Upper
63 100
65 400.1 25.9 38.9#





#49

1,4-Dioxane

Concen: 13.110 ug/l

RT: 9.694 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN084051.D

Acq: 19 Sep 2024 22:06

Instrument :

MSVOA_N

ClientSampleId :

RE108D2-20240913

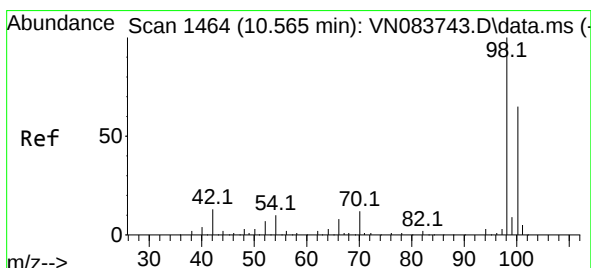
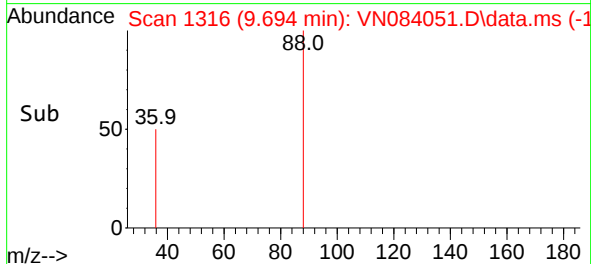
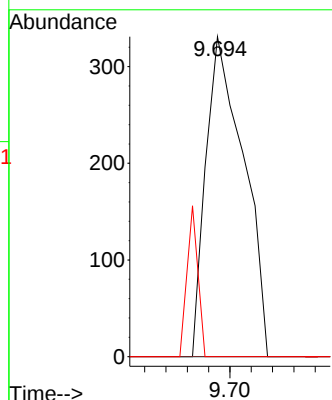
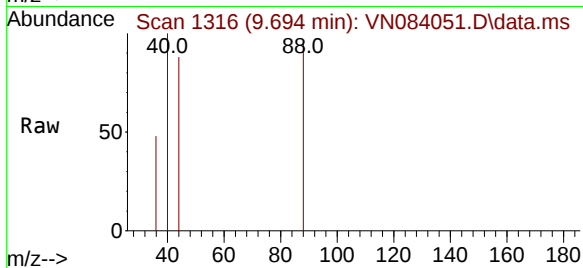
Tgt Ion: 88 Resp: 408

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 13.5 57.1 85.7#



#50

Toluene-d8

Concen: 56.379 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084051.D

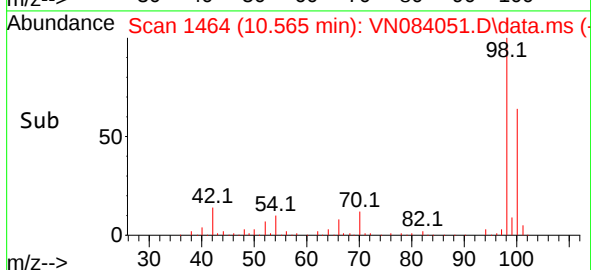
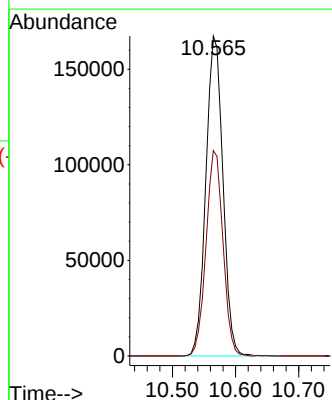
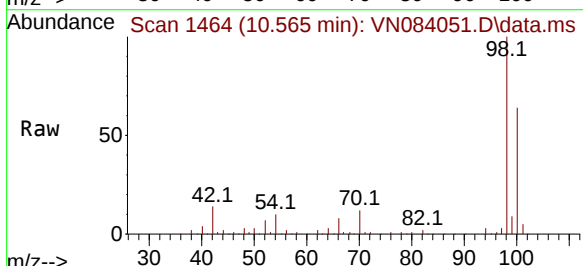
Acq: 19 Sep 2024 22:06

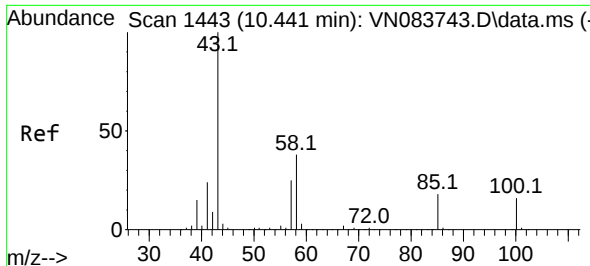
Tgt Ion: 98 Resp: 313914

Ion Ratio Lower Upper

98 100

100 63.8 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 0.823 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.123 min

Lab File: VN084051.D

Acq: 19 Sep 2024 22:06

Instrument :

MSVOA_N

ClientSampleId :

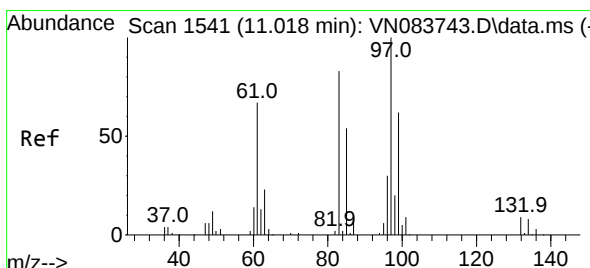
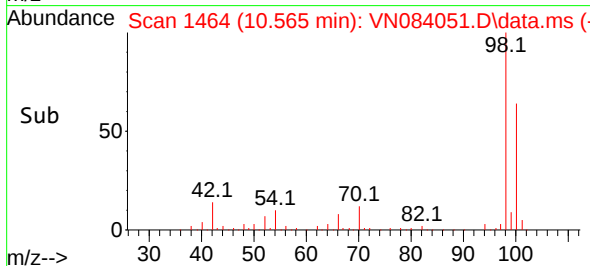
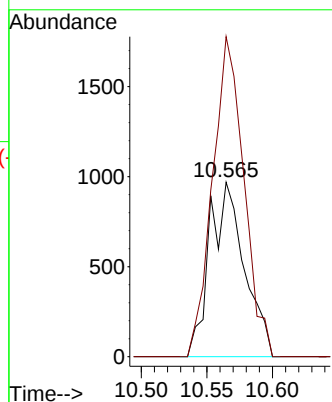
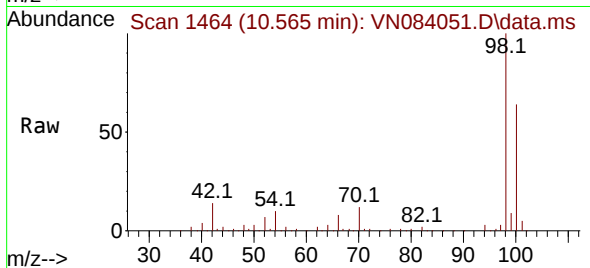
RE108D2-20240913

Tgt Ion: 43 Resp: 1786

Ion Ratio Lower Upper

43 100

58 165.5 31.6 47.4#



#55

1,1,2-Trichloroethane

Concen: 0.640 ug/l

RT: 11.018 min Scan# 1541

Delta R.T. -0.000 min

Lab File: VN084051.D

Acq: 19 Sep 2024 22:06

Tgt Ion: 97 Resp: 1066

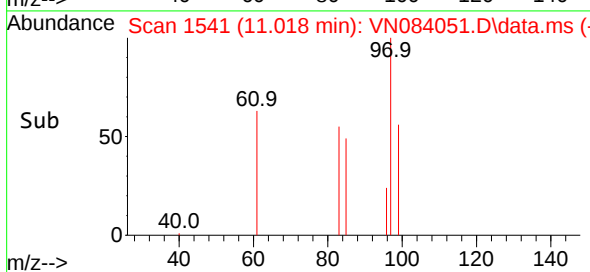
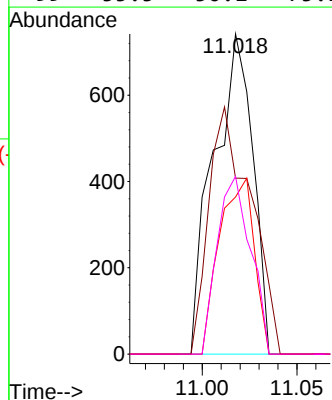
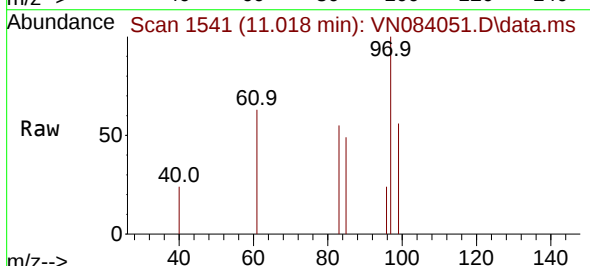
Ion Ratio Lower Upper

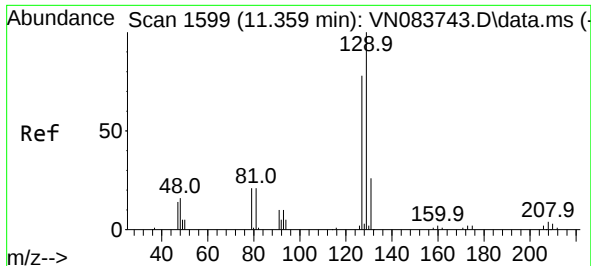
97 100

83 55.0 67.5 101.3#

85 49.1 44.2 66.2

99 55.5 50.1 75.1

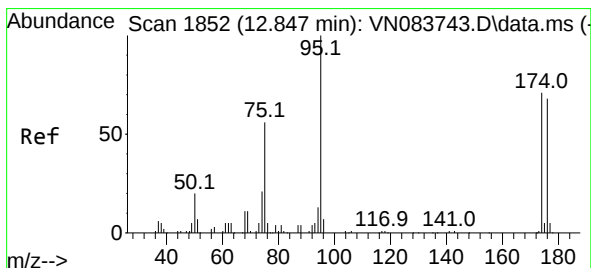
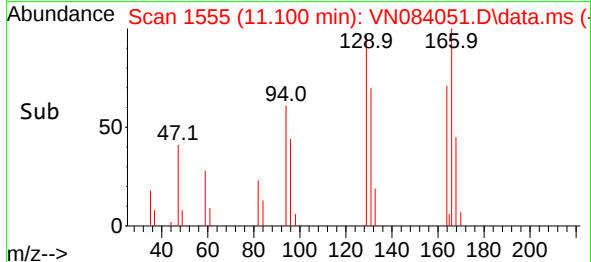
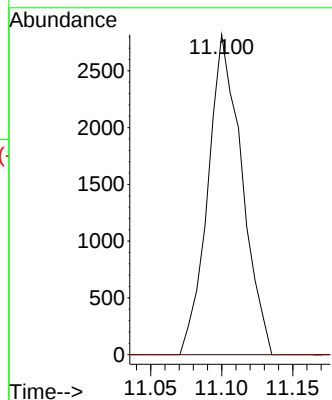
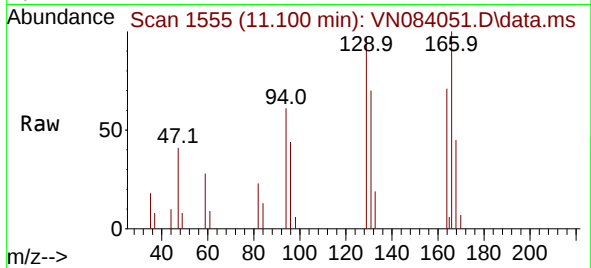




#60
Dibromochloromethane
Concen: 2.513 ug/l
RT: 11.100 min Scan# 11
Delta R.T. -0.259 min
Lab File: VN084051.D
Acq: 19 Sep 2024 22:06

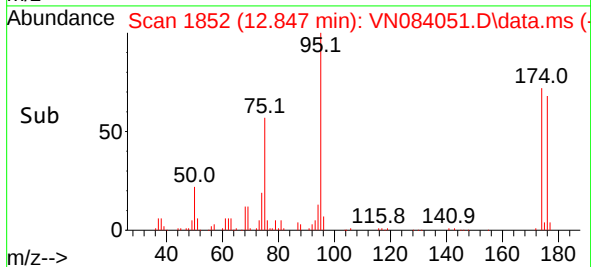
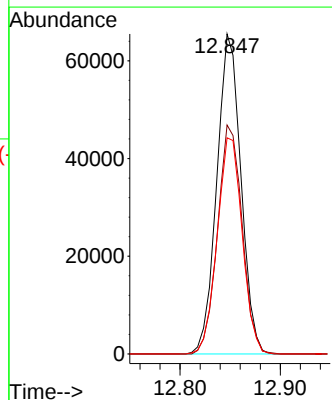
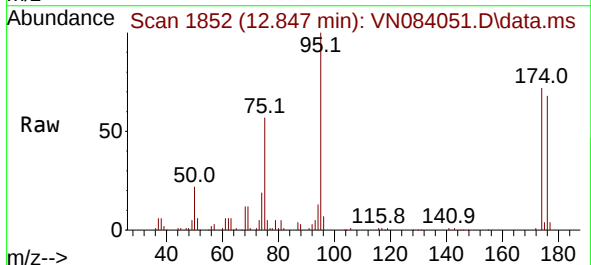
Instrument :
MSVOA_N
ClientSampleId :
RE108D2-20240913

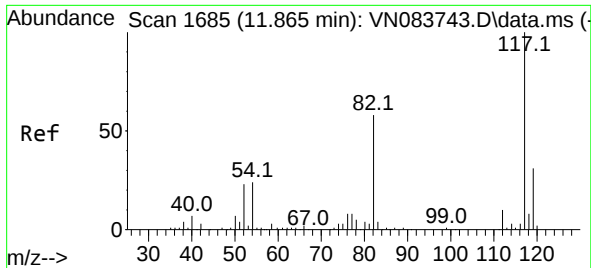
Tgt Ion:129 Resp: 4686
Ion Ratio Lower Upper
129 100
127 0.0 39.0 116.9#



#62
4-Bromofluorobenzene
Concen: 47.596 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084051.D
Acq: 19 Sep 2024 22:06

Tgt Ion: 95 Resp: 109338
Ion Ratio Lower Upper
95 100
174 72.9 0.0 139.8
176 70.1 0.0 131.4

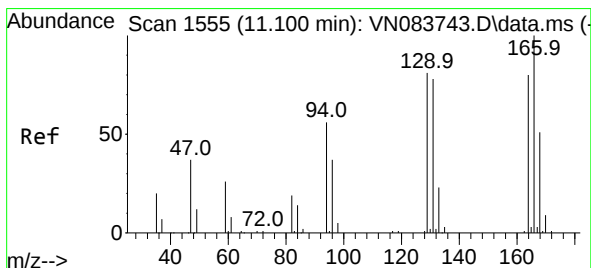
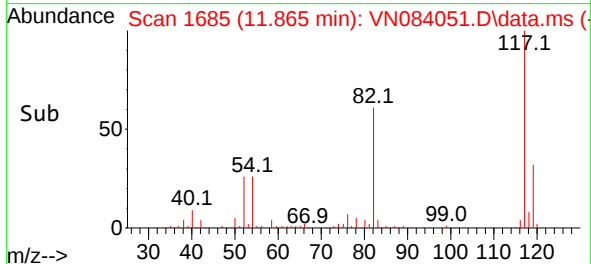
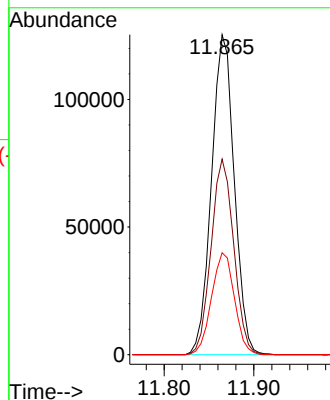
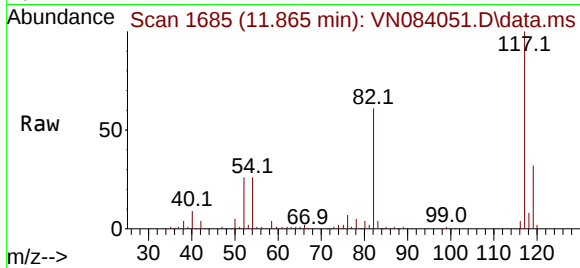




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN084051.D
Acq: 19 Sep 2024 22:06

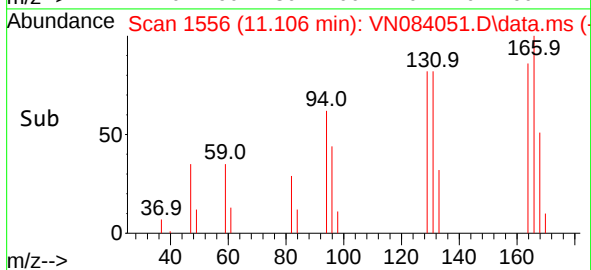
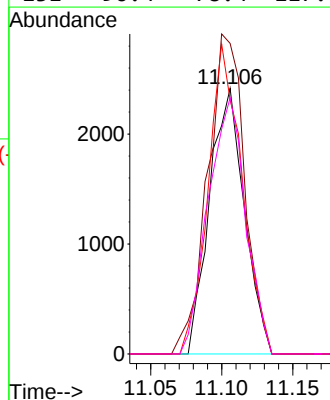
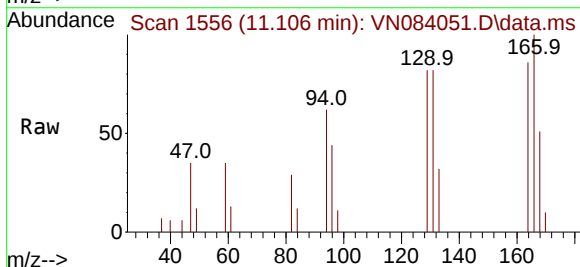
Instrument :
MSVOA_N
ClientSampleId :
RE108D2-20240913

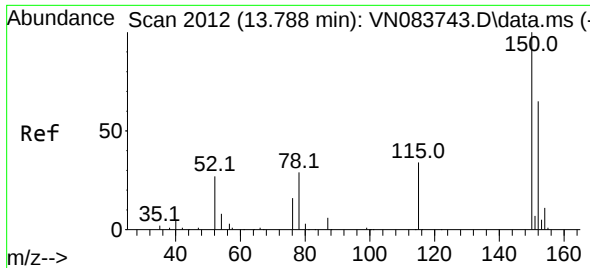
Tgt Ion:117 Resp: 220809
Ion Ratio Lower Upper
117 100
82 61.1 47.4 71.0
119 31.8 26.3 39.5



#64
Tetrachloroethene
Concen: 2.798 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.006 min
Lab File: VN084051.D
Acq: 19 Sep 2024 22:06

Tgt Ion:164 Resp: 4109
Ion Ratio Lower Upper
164 100
166 116.9 103.7 155.5
129 95.6 79.9 119.9
131 96.4 78.4 117.6

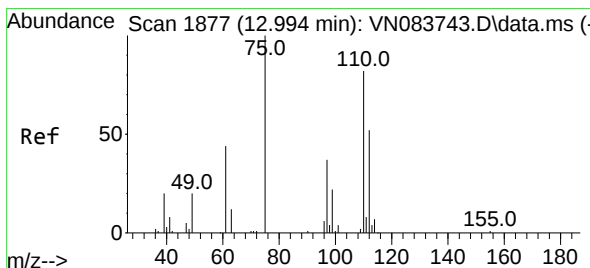
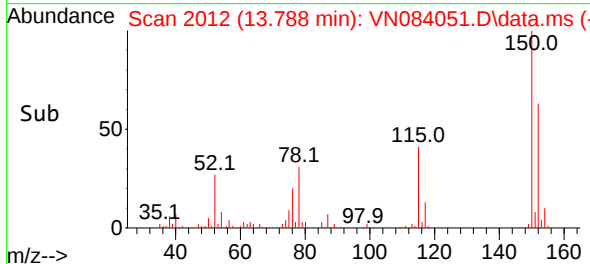
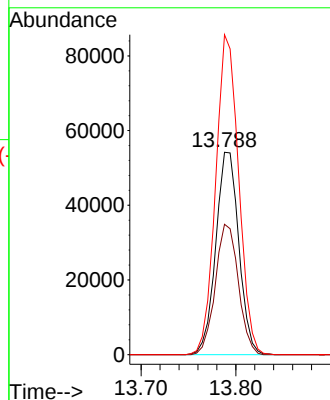
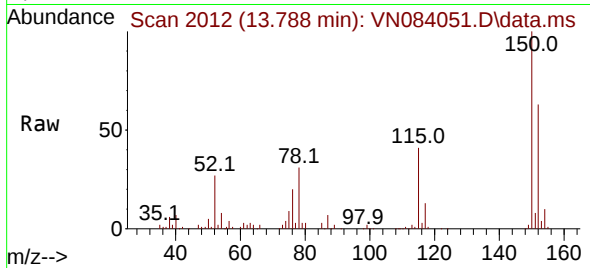




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. -0.000 min
 Lab File: VN084051.D
 Acq: 19 Sep 2024 22:06

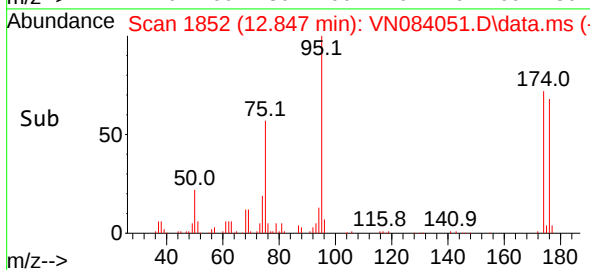
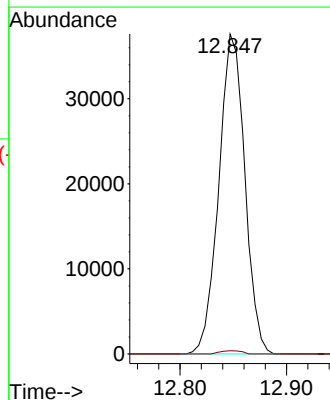
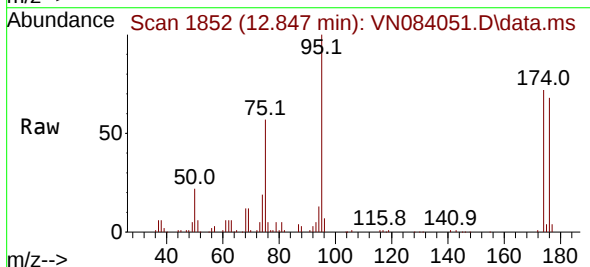
Instrument :
 MSVOA_N
 ClientSampleId :
 RE108D2-20240913

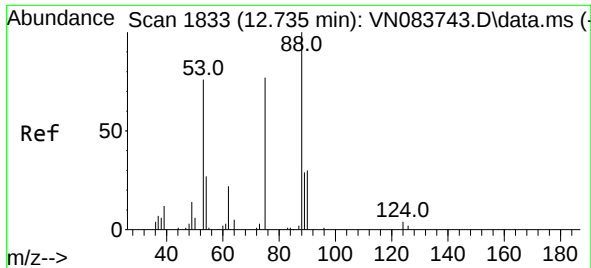
Tgt Ion:152 Resp: 91758
 Ion Ratio Lower Upper
 152 100
 115 64.3 32.2 96.6
 150 157.3 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 34.394 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN084051.D
 Acq: 19 Sep 2024 22:06

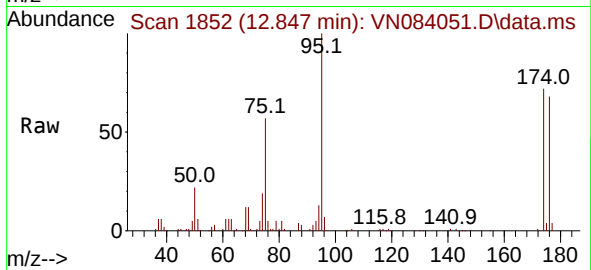
Tgt Ion: 75 Resp: 63681
 Ion Ratio Lower Upper
 75 100
 77 0.8 95.2 285.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.081 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN084051.D
 Acq: 19 Sep 2024 22:06

Instrument :
 MSVOA_N
 ClientSampleId :
 RE108D2-20240913



Tgt Ion: 75 Resp: 63681
 Ion Ratio Lower Upper
 75 100
 53 0.0 81.2 121.8#
 89 0.0 35.7 53.5#

