

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092424\
 Data File : VN084140.D
 Acq On : 24 Sep 2024 17:31
 Operator : JC\MD
 Sample : P4116-16
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE131D1-20240917

Quant Time: Sep 25 01:37:46 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)

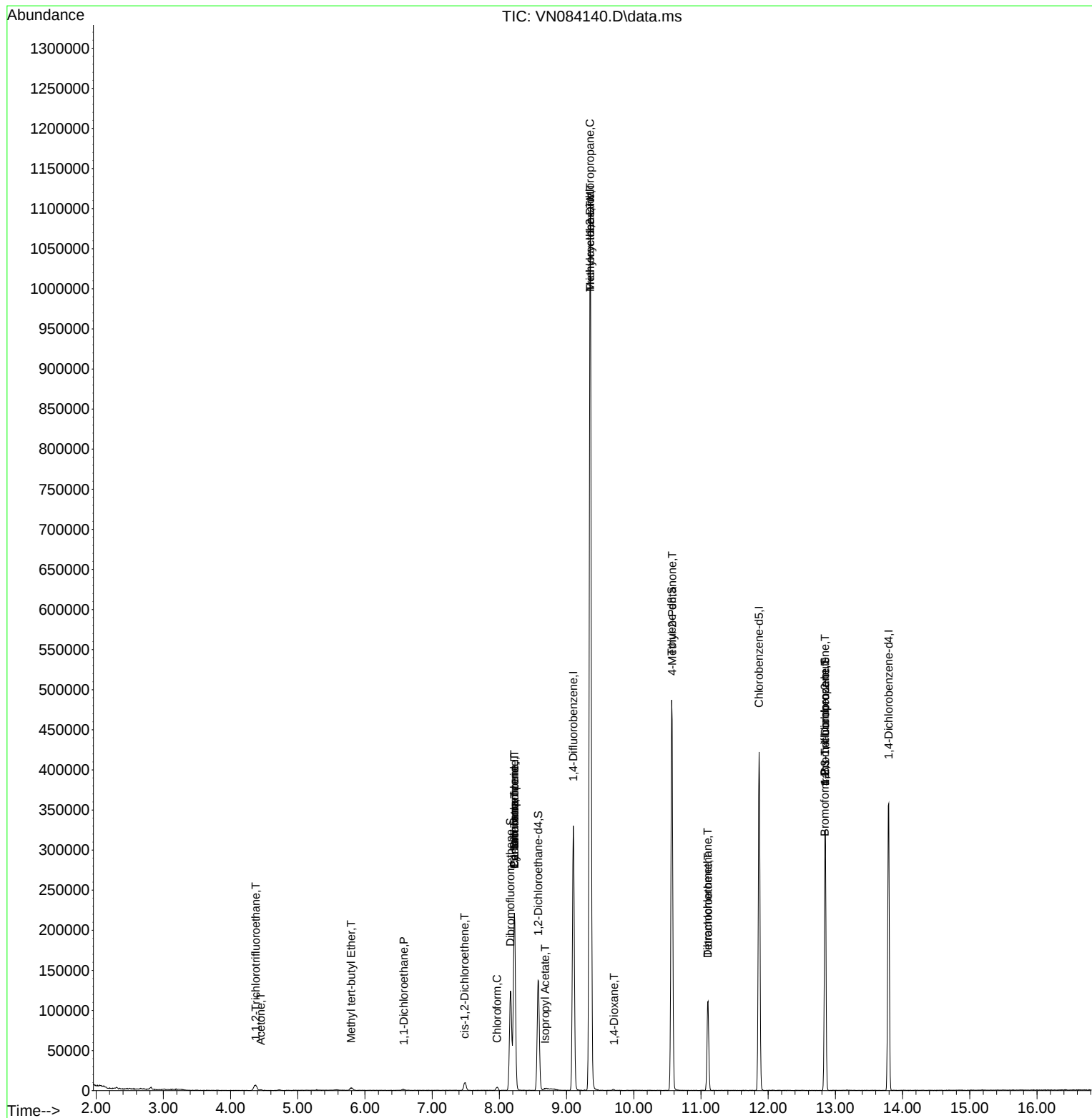
Internal Standards						
1) Pentafluorobenzene	8.224	168	150323	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	270748	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	231964	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	91085	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	117734	51.942	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.880%	
35) Dibromofluoromethane	8.165	113	89019	51.358	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.720%	
50) Toluene-d8	10.565	98	331871	55.385	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 110.760%	
62) 4-Bromofluorobenzene	12.847	95	110542	44.714	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 89.420%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	475	Below Cal	#	41
9) 1,1,2-Trichlorotrifluo...	4.377	101	4822	2.801	ug/l	95
16) Acetone	4.447	43	697	0.767	ug/l #	45
18) Methyl Acetate	5.036	43	66	Below Cal	#	52
19) Methyl tert-butyl Ether	5.794	73	4994	0.849	ug/l	95
24) 1,1-Dichloroethane	6.577	63	2639	0.768	ug/l #	82
27) cis-1,2-Dichloroethene	7.482	96	6127	2.962	ug/l	92
30) Chloroform	7.965	83	4440	1.217	ug/l	100
31) Cyclohexane	8.224	56	4058	1.239	ug/l #	27
36) 1,1-Dichloropropene	8.224	75	13924	5.337	ug/l #	50
38) Carbon Tetrachloride	8.224	117	17145	5.793	ug/l #	15
39) Methylcyclohexane	9.353	83	5309	1.788	ug/l #	1
43) Isopropyl Acetate	8.682	43	1255	0.292	ug/l #	57
44) Trichloroethene	9.353	130	378167	207.968	ug/l	96
45) 1,2-Dichloropropane	9.347	63	1346	0.709	ug/l #	1
49) 1,4-Dioxane	9.706	88	864	25.797	ug/l #	86
51) 4-Methyl-2-Pentanone	10.570	43	1497	0.641	ug/l #	1
60) Dibromochloromethane	11.100	129	24194	12.056	ug/l #	10
64) Tetrachloroethene	11.106	164	24890	16.135	ug/l	97
71) Bromoform	12.841	173	302	0.251	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	62678	34.103	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	62678	89.318	ug/l #	9

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

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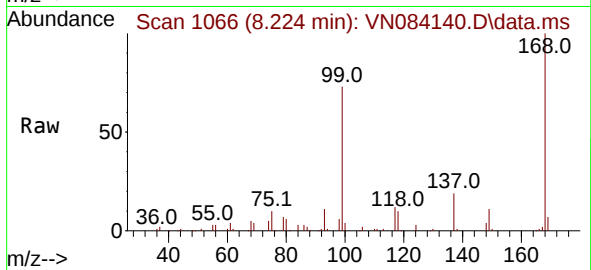
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
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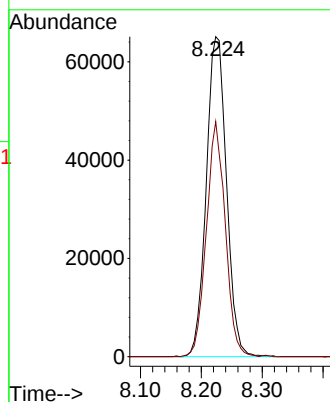
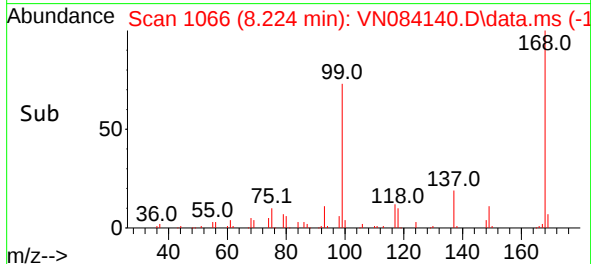


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084140.D
Acq: 24 Sep 2024 17:31

Instrument :
MSVOA_N
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RE131D1-20240917

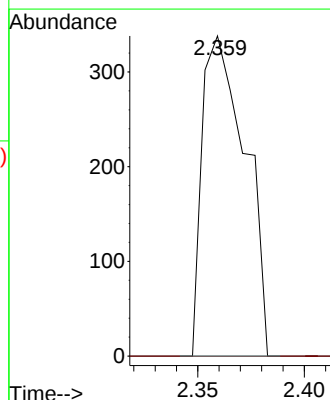
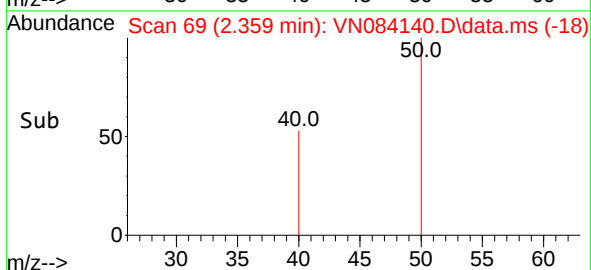
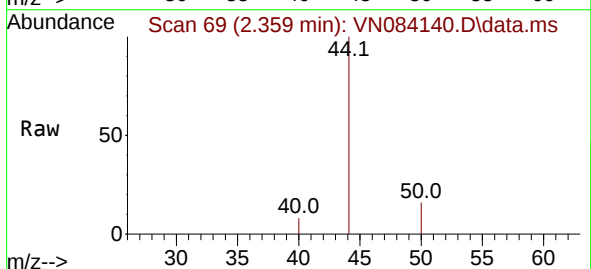


Tgt Ion:168 Resp: 150323
Ion Ratio Lower Upper
168 100
99 73.5 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084140.D
Acq: 24 Sep 2024 17:31

Tgt Ion: 50 Resp: 475
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#

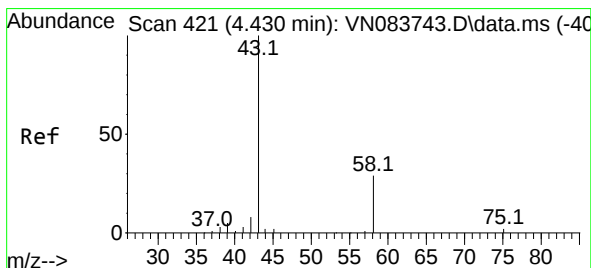
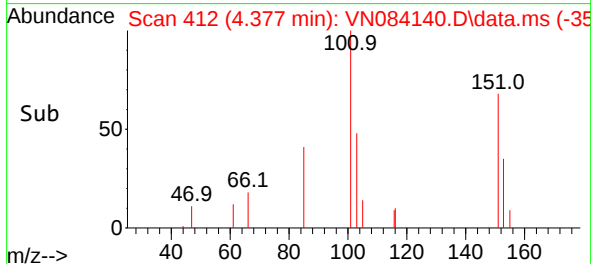
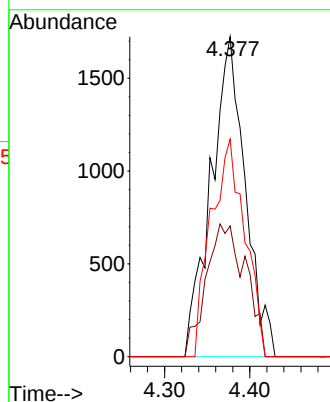
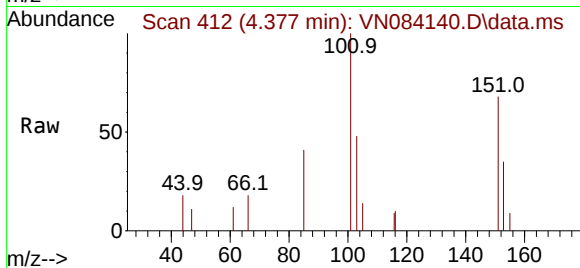




#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.801 ug/l
RT: 4.377 min Scan# 411
Delta R.T. 0.023 min
Lab File: VN084140.D
Acq: 24 Sep 2024 17:31

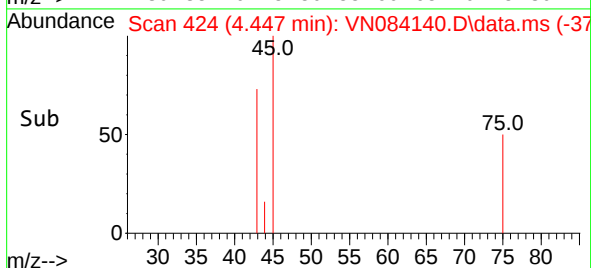
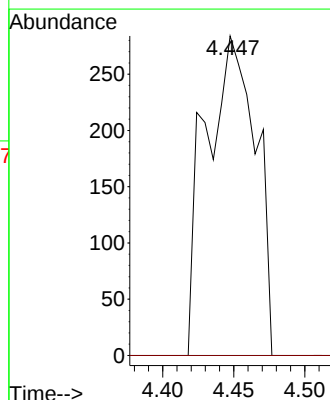
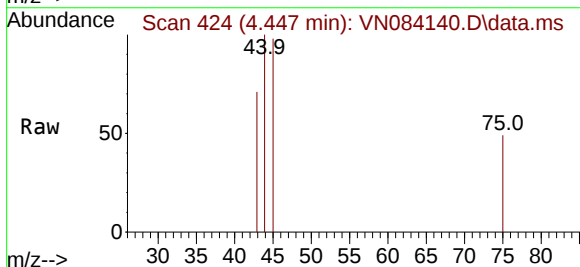
Instrument :
MSVOA_N
ClientSampleId :
RE131D1-20240917

Tgt Ion:101 Resp: 4822
Ion Ratio Lower Upper
101 100
85 47.8 36.2 54.4
151 67.2 57.7 86.5



#16
Acetone
Concen: 0.767 ug/l
RT: 4.447 min Scan# 424
Delta R.T. 0.018 min
Lab File: VN084140.D
Acq: 24 Sep 2024 17:31

Tgt Ion: 43 Resp: 697
Ion Ratio Lower Upper
43 100
58 0.0 23.7 35.5#





#18

Methyl Acetate

Concen: Below Cal

RT: 5.036 min Scan# 51

Delta R.T. 0.012 min

Lab File: VN084140.D

Acq: 24 Sep 2024 17:31

Instrument :

MSVOA_N

ClientSampleId :

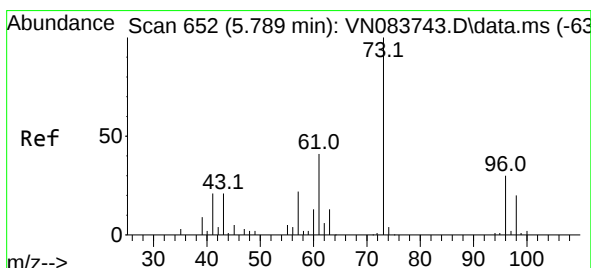
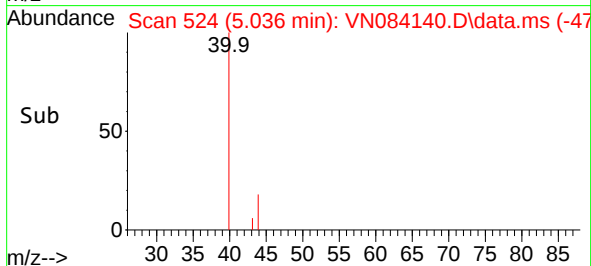
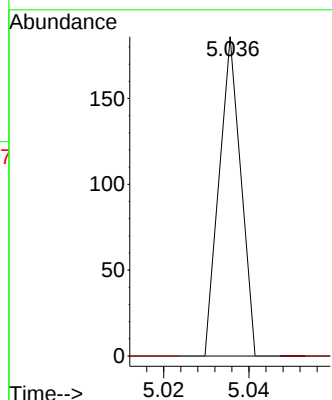
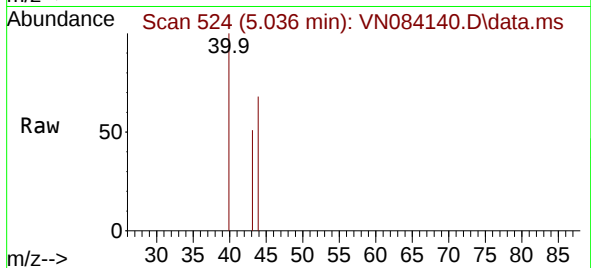
RE131D1-20240917

Tgt Ion: 43 Resp: 66

Ion Ratio Lower Upper

43 100

74 0.0 19.0 28.4#



#19

Methyl tert-butyl Ether

Concen: 0.849 ug/l

RT: 5.794 min Scan# 653

Delta R.T. 0.006 min

Lab File: VN084140.D

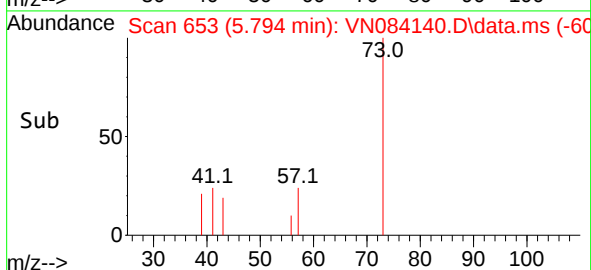
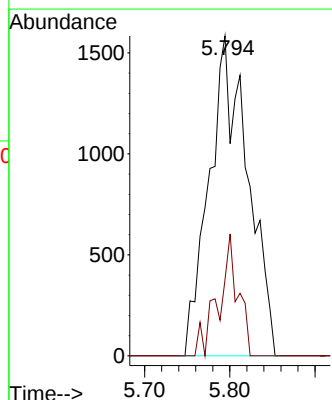
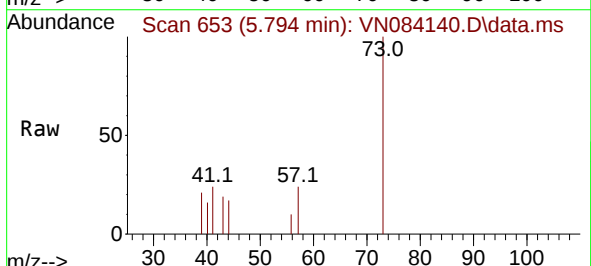
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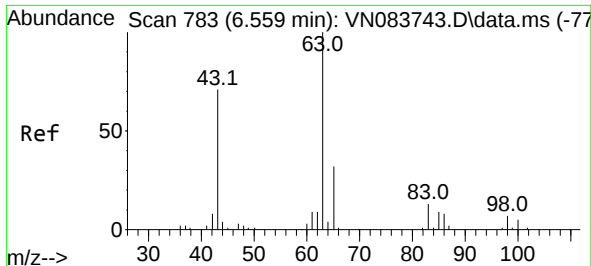
Tgt Ion: 73 Resp: 4994

Ion Ratio Lower Upper

73 100

57 23.8 17.0 25.6

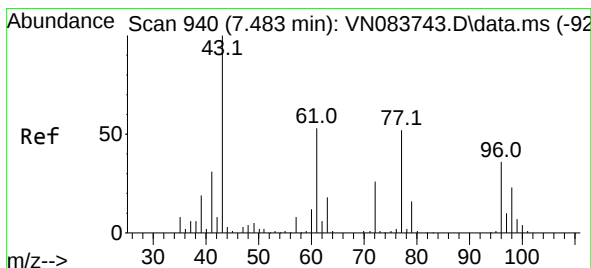
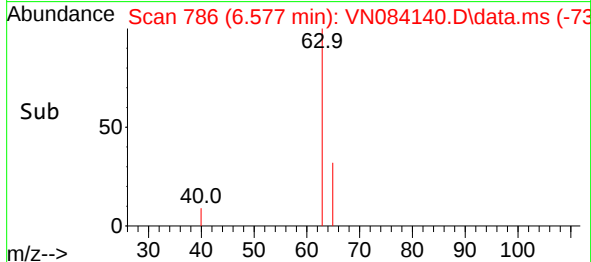
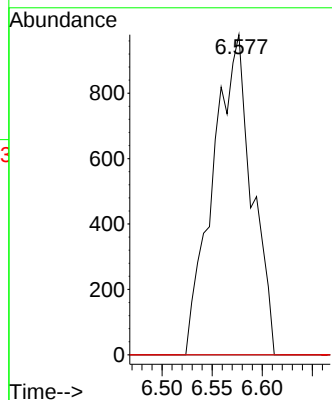
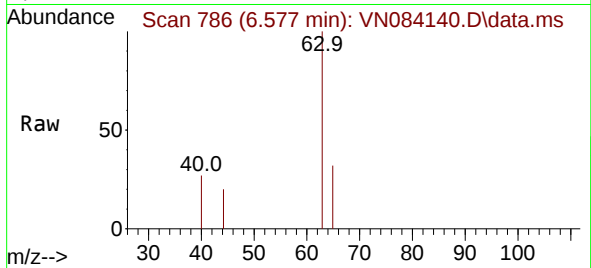




#24
1,1-Dichloroethane
Concen: 0.768 ug/l
RT: 6.577 min Scan# 71
Delta R.T. 0.018 min
Lab File: VN084140.D
Acq: 24 Sep 2024 17:31

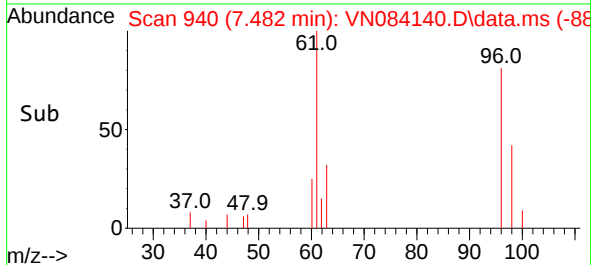
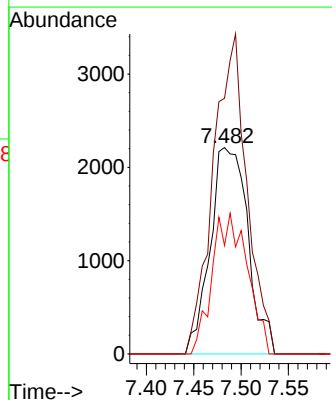
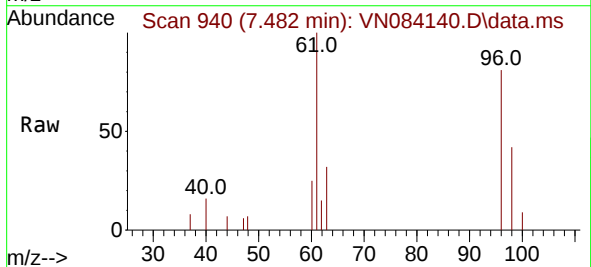
Instrument :
MSVOA_N
ClientSampleId :
RE131D1-20240917

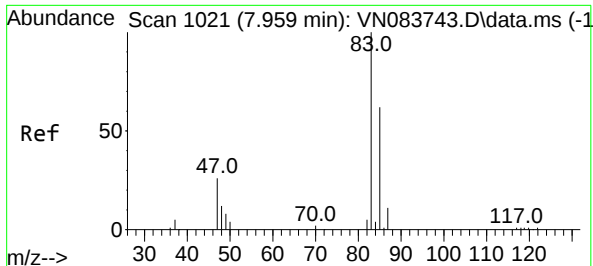
Tgt Ion: 63 Resp: 2639
Ion Ratio Lower Upper
63 100
98 0.0 3.5 10.4#
100 0.0 2.5 7.5#



#27
cis-1,2-Dichloroethene
Concen: 2.962 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN084140.D
Acq: 24 Sep 2024 17:31

Tgt Ion: 96 Resp: 6127
Ion Ratio Lower Upper
96 100
61 138.3 0.0 306.2
98 63.3 0.0 128.6





#30

Chloroform

Concen: 1.217 ug/l

RT: 7.965 min Scan# 1066

Delta R.T. 0.006 min

Lab File: VN084140.D

Acq: 24 Sep 2024 17:31

Instrument :

MSVOA_N

ClientSampleId :

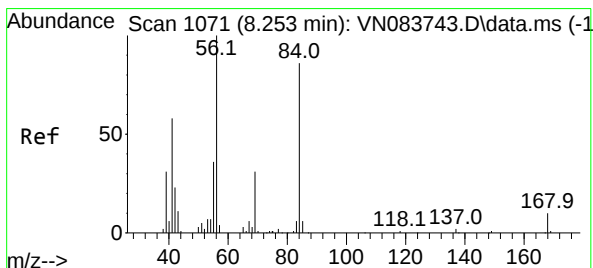
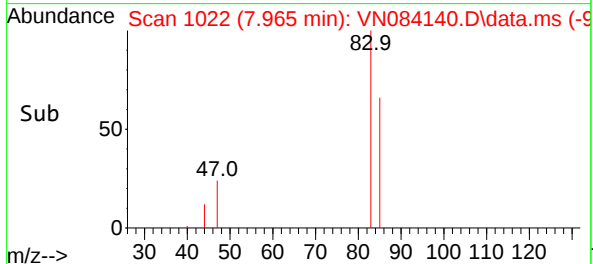
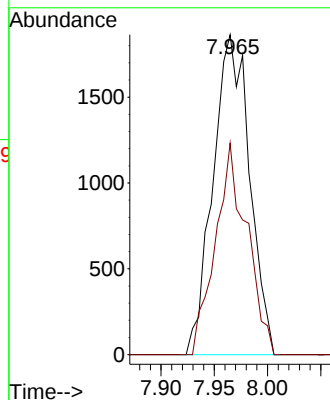
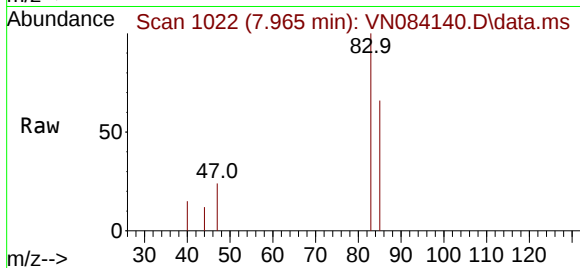
RE131D1-20240917

Tgt Ion: 83 Resp: 4440

Ion Ratio Lower Upper

83 100

85 66.1 52.8 79.2



#31

Cyclohexane

Concen: 1.239 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.030 min

Lab File: VN084140.D

Acq: 24 Sep 2024 17:31

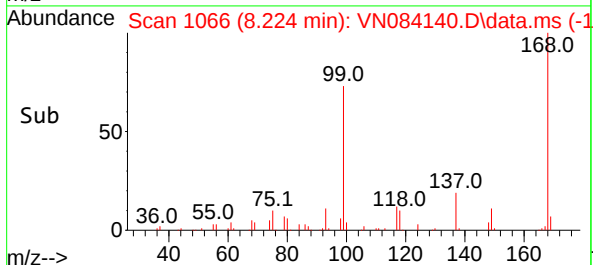
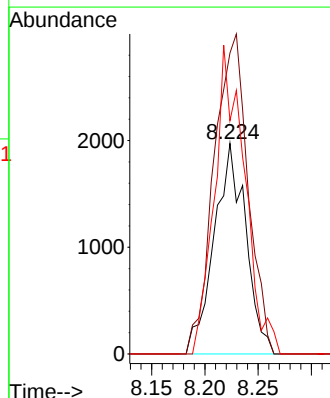
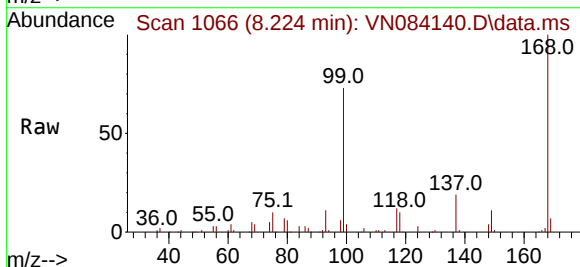
Tgt Ion: 56 Resp: 4058

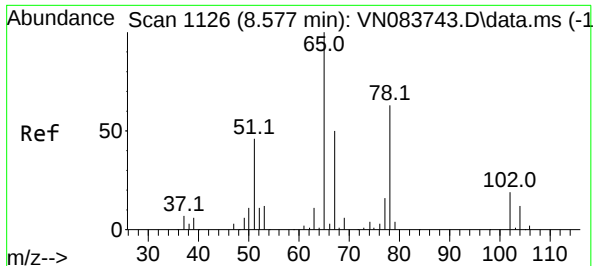
Ion Ratio Lower Upper

56 100

69 143.0 26.9 40.3#

84 110.8 69.2 103.8#





#33

1,2-Dichloroethane-d4

Concen: 51.942 ug/l

RT: 8.576 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN084140.D

Acq: 24 Sep 2024 17:31

Instrument :

MSVOA_N

ClientSampleId :

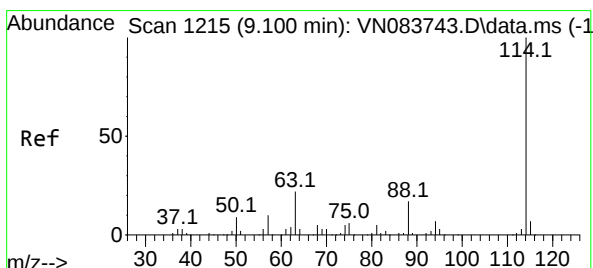
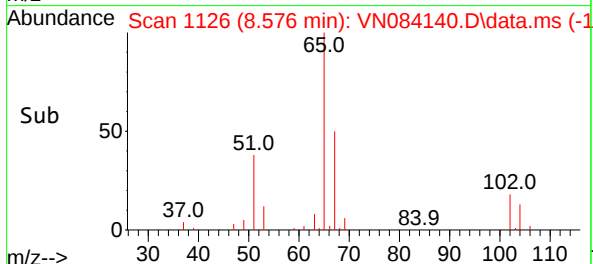
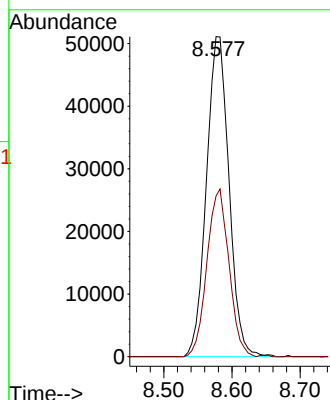
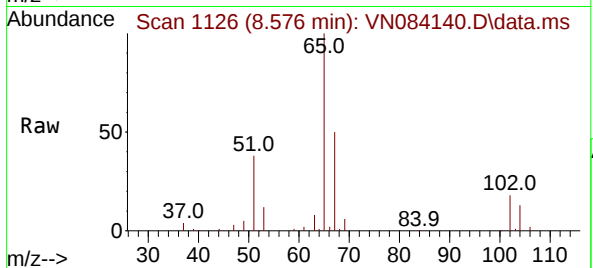
RE131D1-20240917

Tgt Ion: 65 Resp: 117734

Ion Ratio Lower Upper

65 100

67 51.1 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: VN084140.D

Acq: 24 Sep 2024 17:31

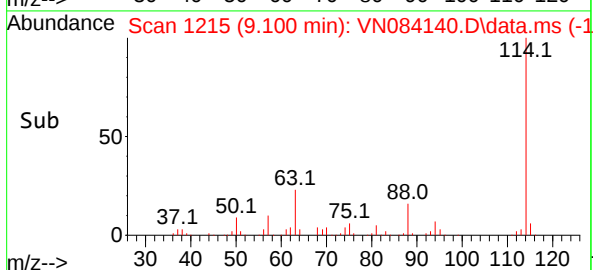
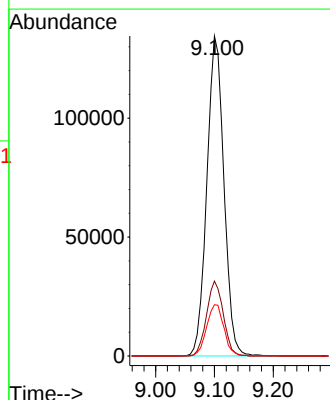
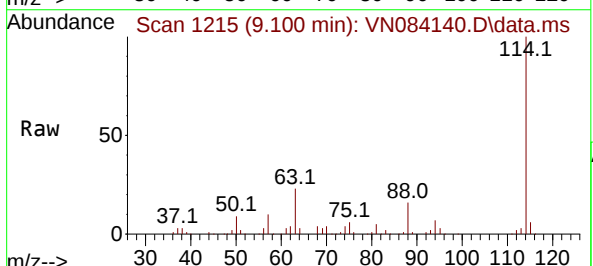
Tgt Ion: 114 Resp: 270748

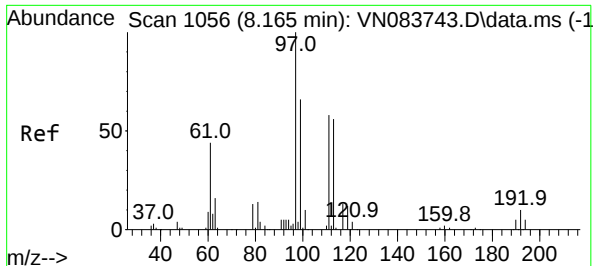
Ion Ratio Lower Upper

114 100

63 23.4 0.0 43.4

88 16.0 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.358 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN084140.D

Acq: 24 Sep 2024 17:31

Instrument :

MSVOA_N

ClientSampleId :

RE131D1-20240917

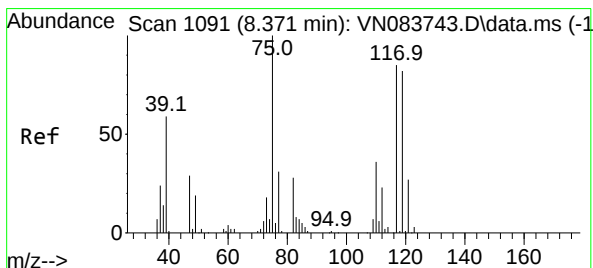
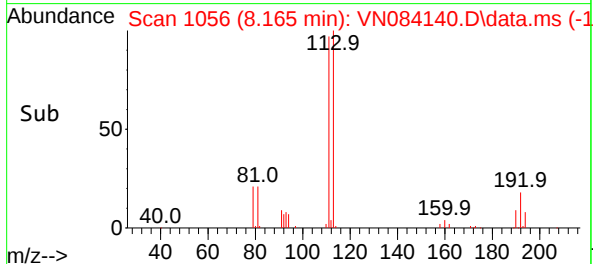
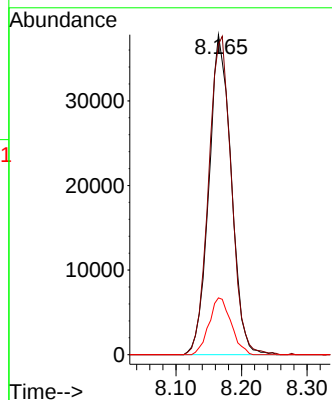
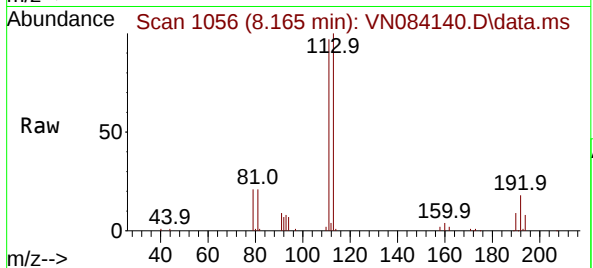
Tgt Ion:113 Resp: 89019

Ion Ratio Lower Upper

113 100

111 102.0 82.6 124.0

192 17.6 14.3 21.5



#36

1,1-Dichloropropene

Concen: 5.337 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN084140.D

Acq: 24 Sep 2024 17:31

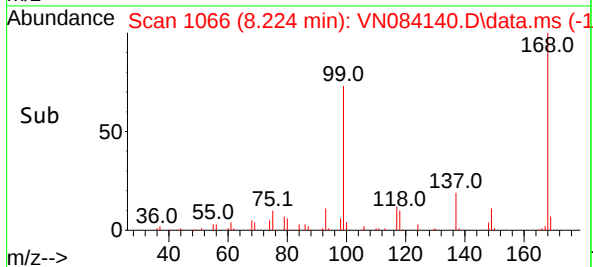
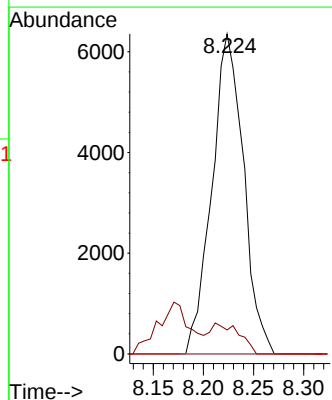
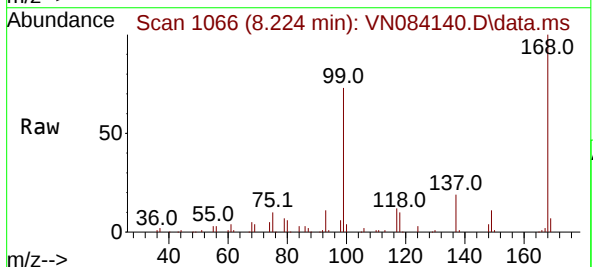
Tgt Ion: 75 Resp: 13924

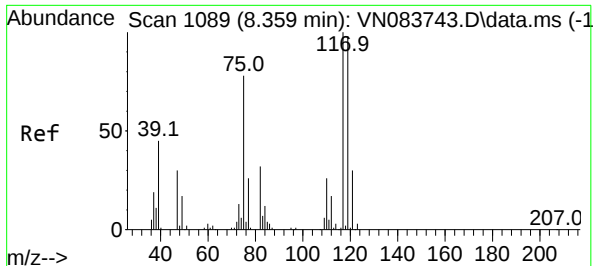
Ion Ratio Lower Upper

75 100

110 8.9 16.7 50.1#

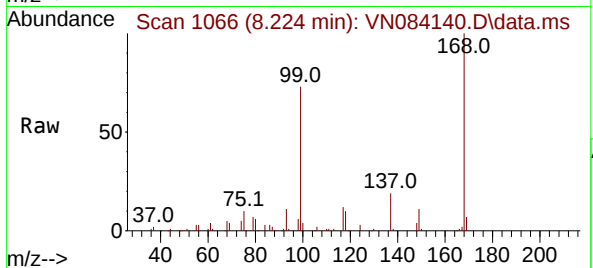
77 0.0 25.2 37.8#



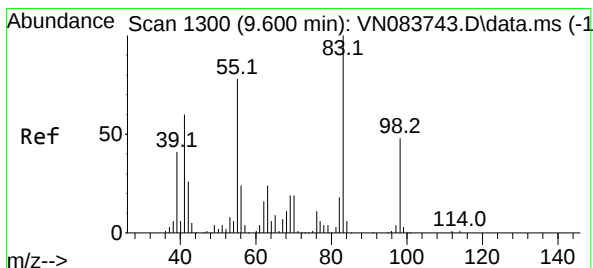
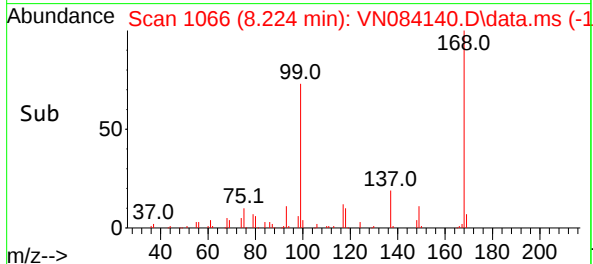
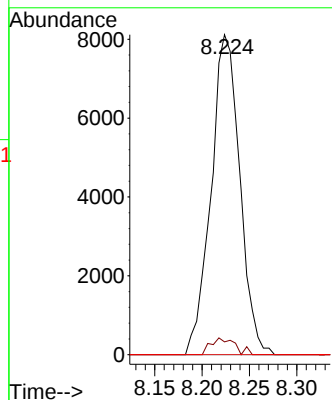


#38
Carbon Tetrachloride
Concen: 5.793 ug/l
RT: 8.224 min Scan# 117
Delta R.T. -0.135 min
Lab File: VN084140.D
Acq: 24 Sep 2024 17:31

Instrument :
MSVOA_N
ClientSampleId :
RE131D1-20240917

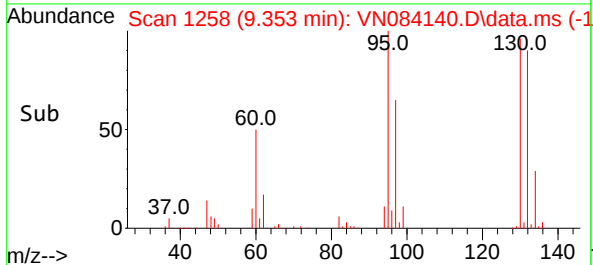
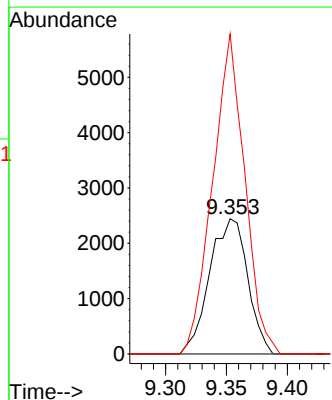
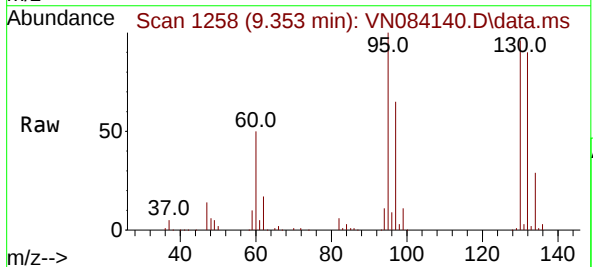


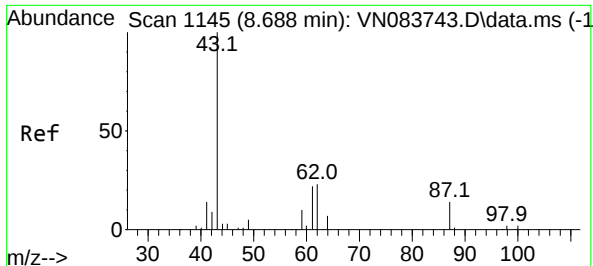
Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.0	76.1	114.1#
121	0.0	24.1	36.1#



#39
Methylcyclohexane
Concen: 1.788 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. -0.247 min
Lab File: VN084140.D
Acq: 24 Sep 2024 17:31

Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.0	62.2	93.4#
98	236.6	37.6	56.4#





#43

Isopropyl Acetate

Concen: 0.292 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. -0.006 min

Lab File: VN084140.D

Acq: 24 Sep 2024 17:31

Instrument :

MSVOA_N

ClientSampleId :

RE131D1-20240917

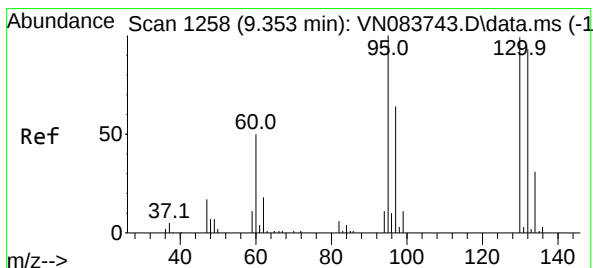
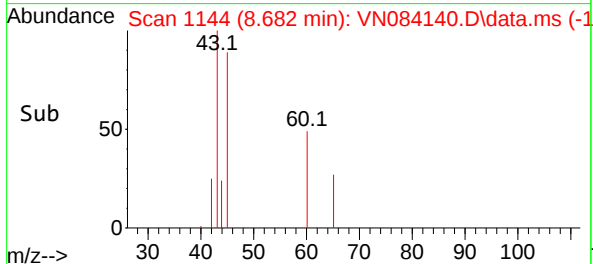
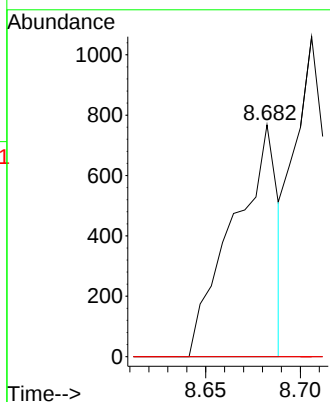
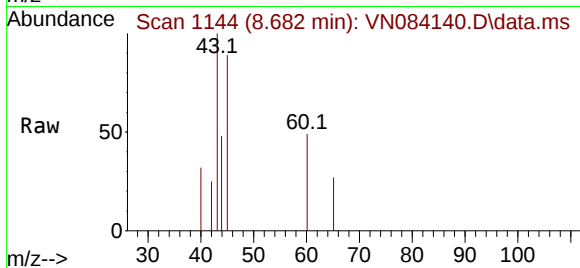
Tgt Ion: 43 Resp: 1255

Ion Ratio Lower Upper

43 100

61 0.0 19.4 29.0#

87 0.0 9.8 14.6#



#44

Trichloroethene

Concen: 207.968 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. -0.000 min

Lab File: VN084140.D

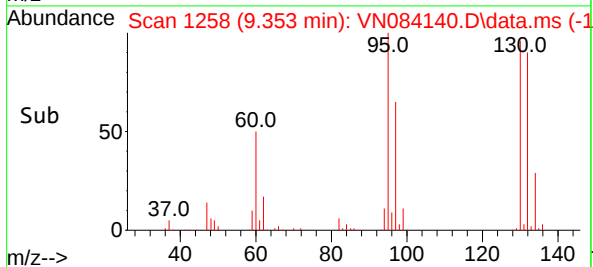
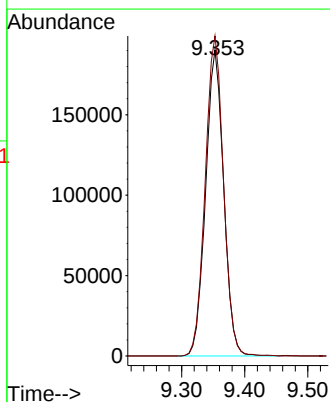
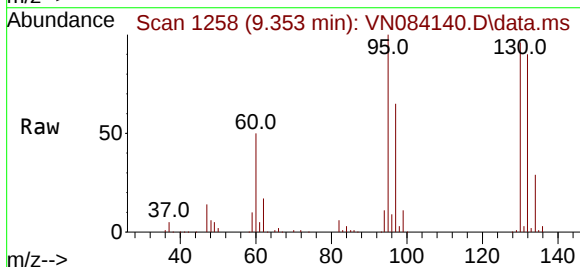
Acq: 24 Sep 2024 17:31

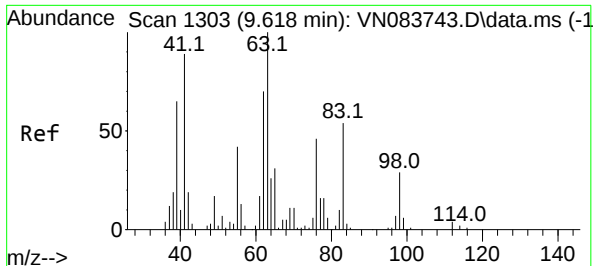
Tgt Ion:130 Resp: 378167

Ion Ratio Lower Upper

130 100

95 104.6 0.0 200.4





#45

1,2-Dichloropropane

Concen: 0.709 ug/l

RT: 9.347 min Scan# 11

Delta R.T. -0.271 min

Lab File: VN084140.D

Acq: 24 Sep 2024 17:31

Instrument :

MSVOA_N

ClientSampleId :

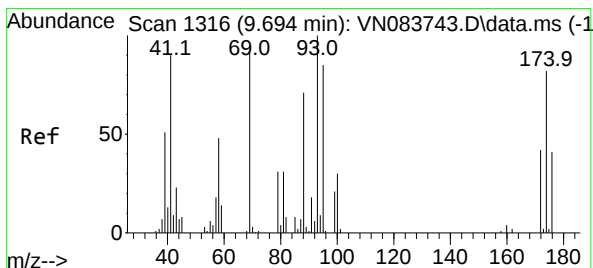
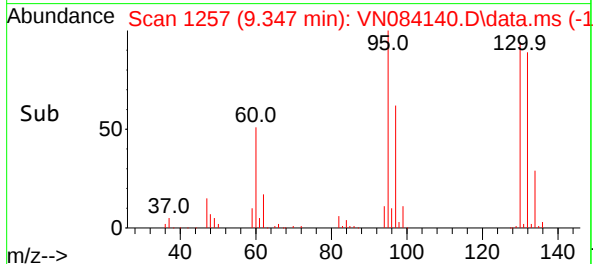
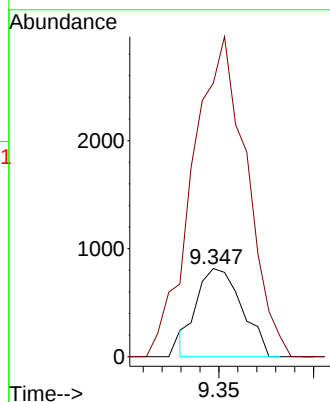
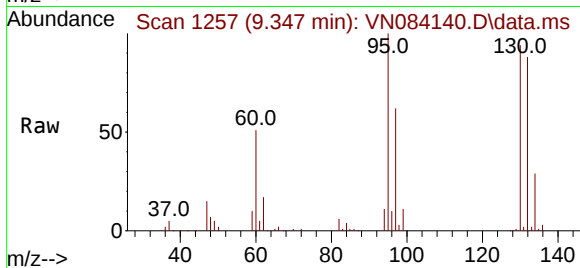
RE131D1-20240917

Tgt Ion: 63 Resp: 1346

Ion Ratio Lower Upper

63 100

65 287.7 25.9 38.9#



#49

1,4-Dioxane

Concen: 25.797 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. 0.012 min

Lab File: VN084140.D

Acq: 24 Sep 2024 17:31

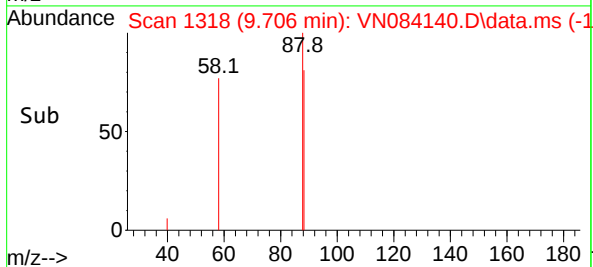
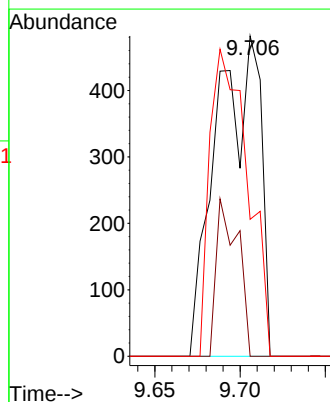
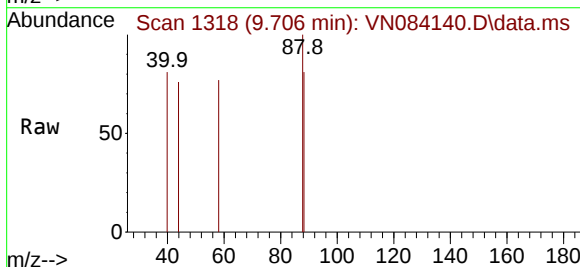
Tgt Ion: 88 Resp: 864

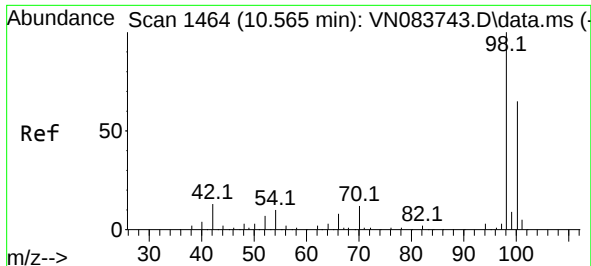
Ion Ratio Lower Upper

88 100

43 24.2 0.0 0.0#

58 82.6 57.1 85.7

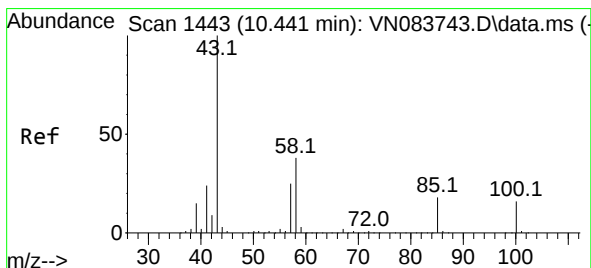
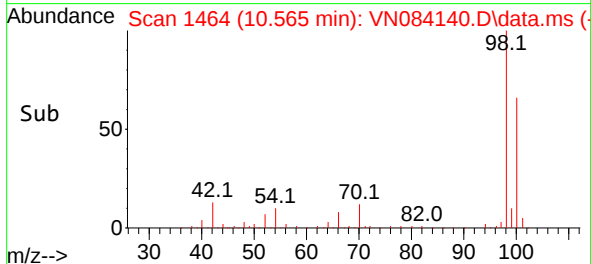
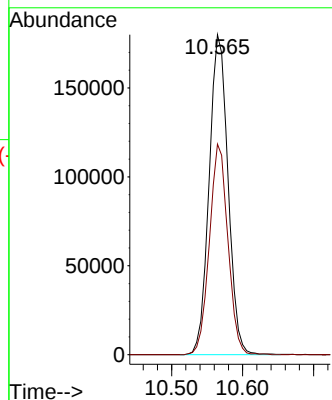
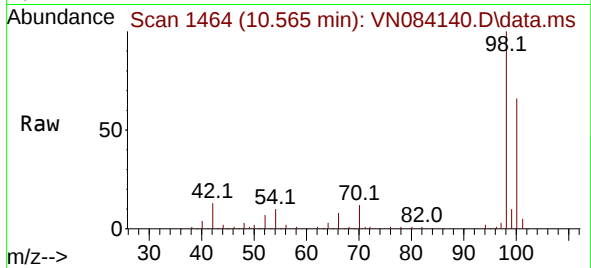




#50
Toluene-d8
Concen: 55.385 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084140.D
Acq: 24 Sep 2024 17:31

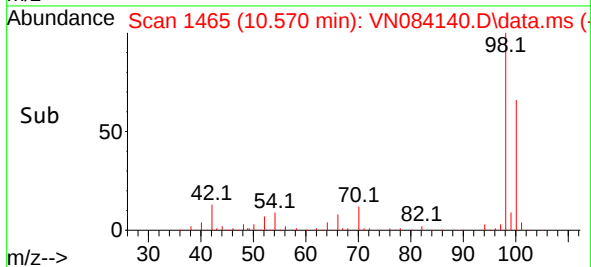
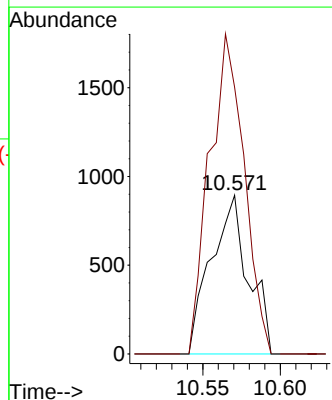
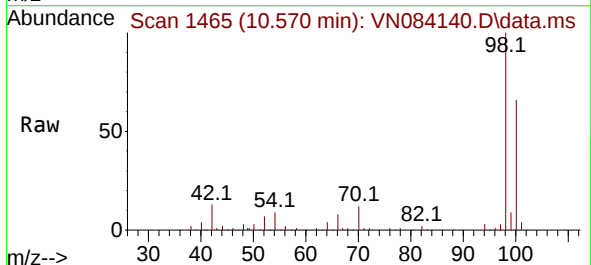
Instrument :
MSVOA_N
ClientSampleId :
RE131D1-20240917

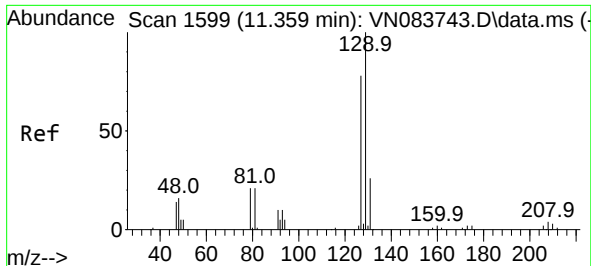
Tgt Ion: 98 Resp: 331871
Ion Ratio Lower Upper
98 100
100 64.5 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.641 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. 0.129 min
Lab File: VN084140.D
Acq: 24 Sep 2024 17:31

Tgt Ion: 43 Resp: 1497
Ion Ratio Lower Upper
43 100
58 187.2 31.6 47.4#

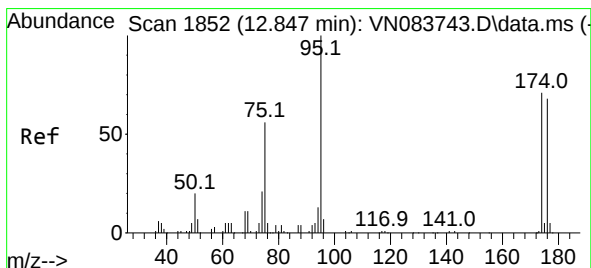
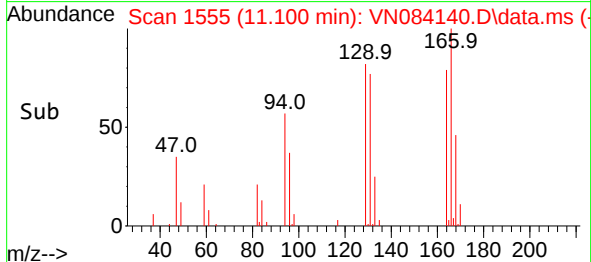
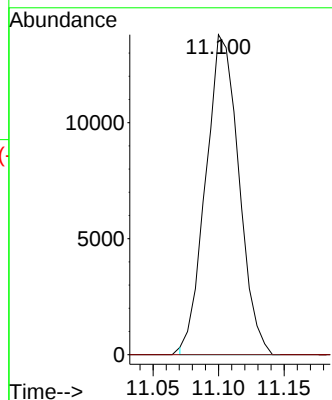
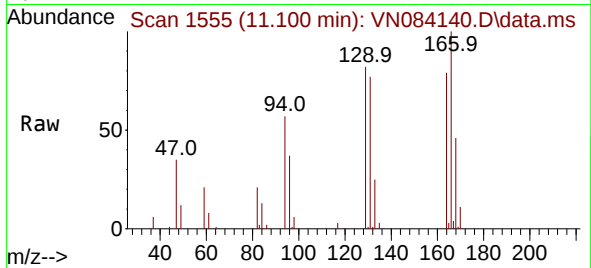




#60
Dibromochloromethane
Concen: 12.056 ug/l
RT: 11.100 min Scan# 11
Delta R.T. -0.259 min
Lab File: VN084140.D
Acq: 24 Sep 2024 17:31

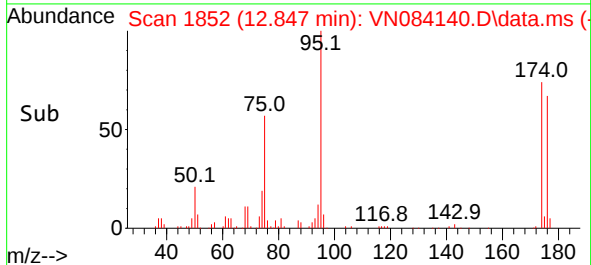
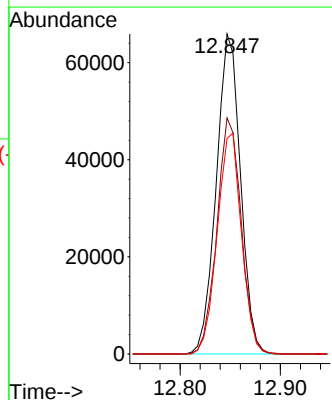
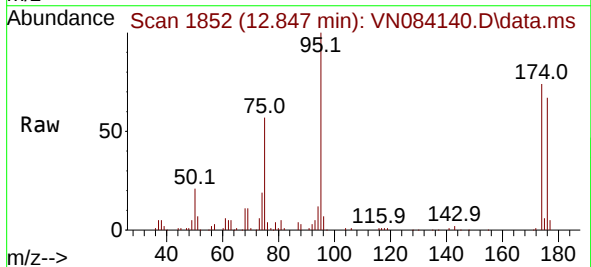
Instrument :
MSVOA_N
ClientSampleId :
RE131D1-20240917

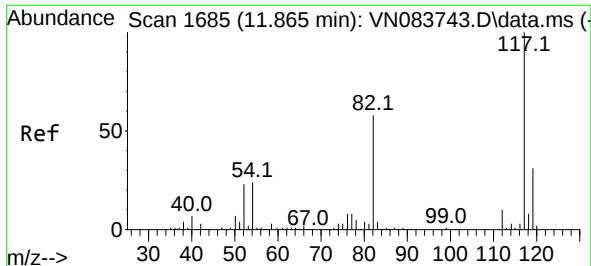
Tgt Ion:129 Resp: 24194
Ion Ratio Lower Upper
129 100
127 0.0 39.0 116.9#



#62
4-Bromofluorobenzene
Concen: 44.714 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084140.D
Acq: 24 Sep 2024 17:31

Tgt Ion: 95 Resp: 110542
Ion Ratio Lower Upper
95 100
174 73.9 0.0 139.8
176 69.1 0.0 131.4

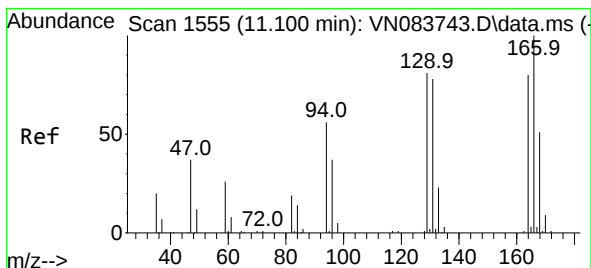
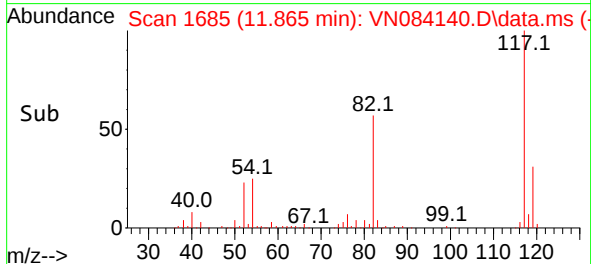
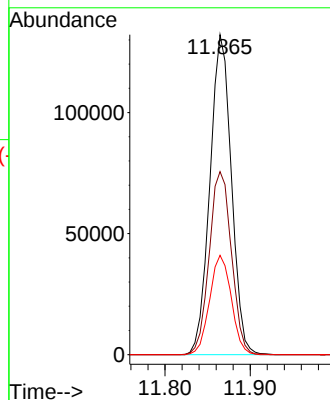
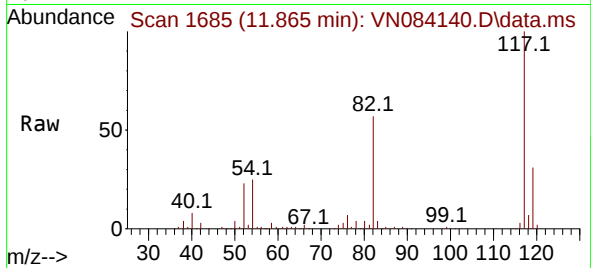




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN084140.D
Acq: 24 Sep 2024 17:31

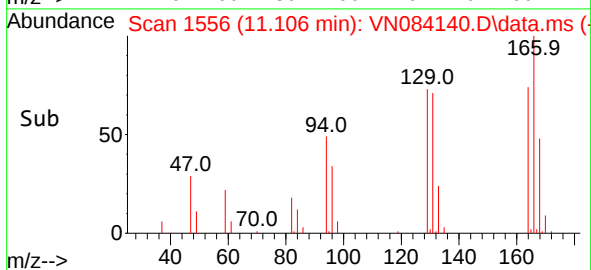
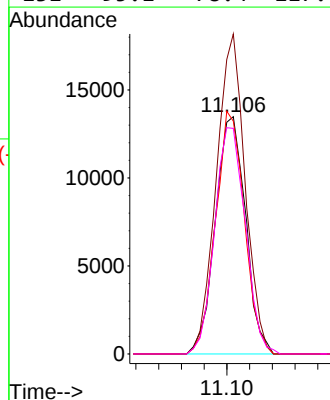
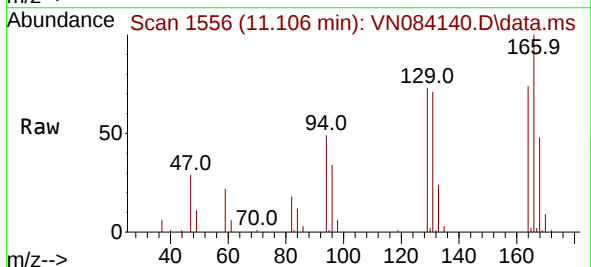
Instrument :
MSVOA_N
ClientSampleId :
RE131D1-20240917

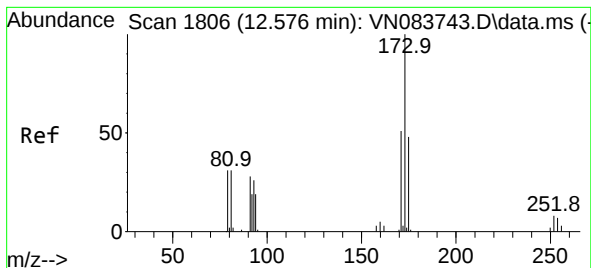
Tgt Ion:117 Resp: 231964
Ion Ratio Lower Upper
117 100
82 57.2 47.4 71.0
119 31.1 26.3 39.5



#64
Tetrachloroethene
Concen: 16.135 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.006 min
Lab File: VN084140.D
Acq: 24 Sep 2024 17:31

Tgt Ion:164 Resp: 24890
Ion Ratio Lower Upper
164 100
166 134.9 103.7 155.5
129 98.1 79.9 119.9
131 95.1 78.4 117.6





#71

Bromoform

Concen: 0.251 ug/l

RT: 12.841 min Scan# 1

Delta R.T. 0.265 min

Lab File: VN084140.D

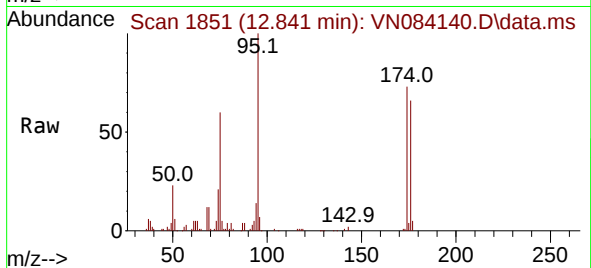
Acq: 24 Sep 2024 17:31

Instrument :

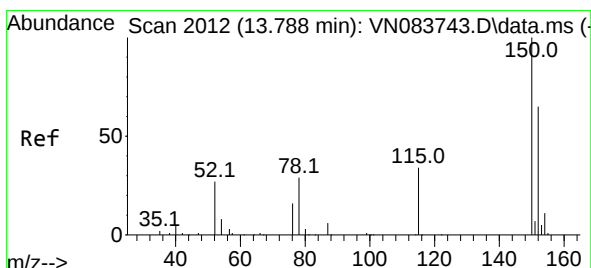
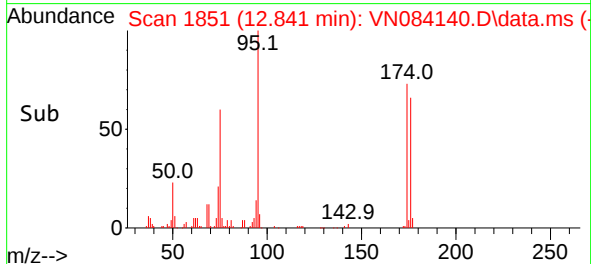
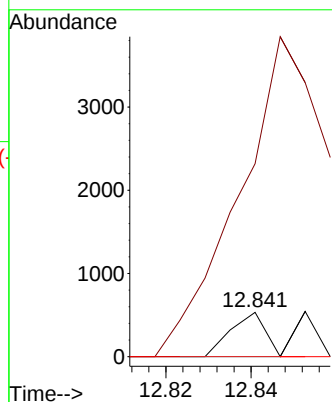
MSVOA_N

ClientSampleId :

RE131D1-20240917



Tgt Ion:	173	Resp:	302
Ion Ratio	Lower	Upper	
173	100		
175	1470.2	24.1	72.2#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

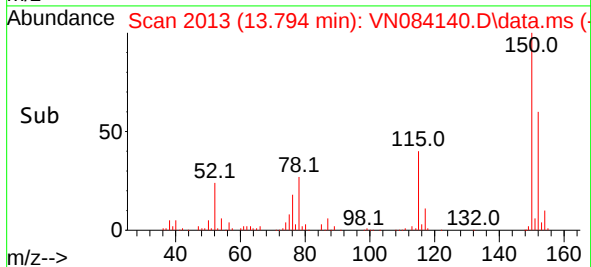
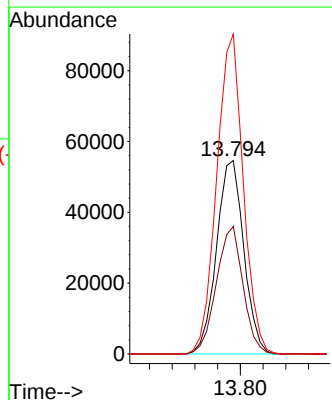
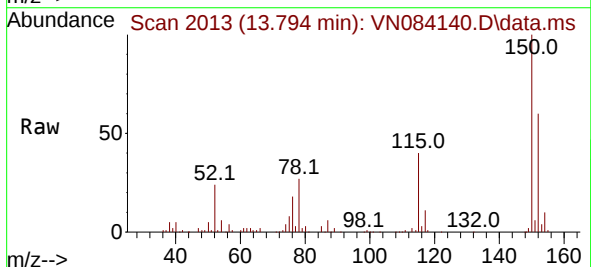
RT: 13.794 min Scan# 2013

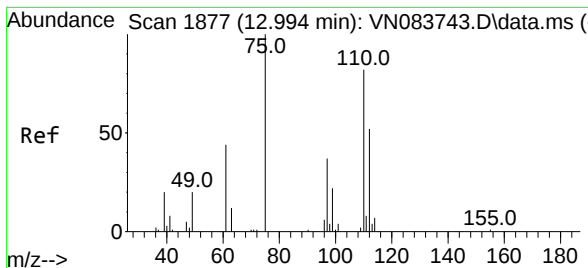
Delta R.T. 0.006 min

Lab File: VN084140.D

Acq: 24 Sep 2024 17:31

Tgt Ion:	152	Resp:	91085
Ion Ratio	Lower	Upper	
152	100		
115	64.4	32.2	96.6
150	161.1	0.0	348.6





#76

1,2,3-Trichloropropane

Concen: 34.103 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN084140.D

Acq: 24 Sep 2024 17:31

Instrument :

MSVOA_N

ClientSampleId :

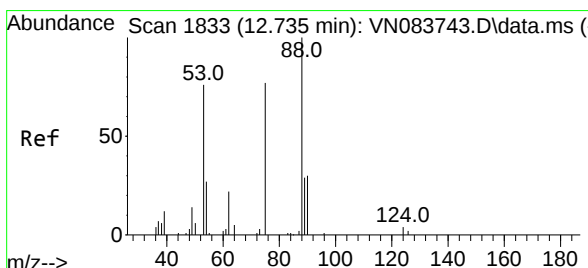
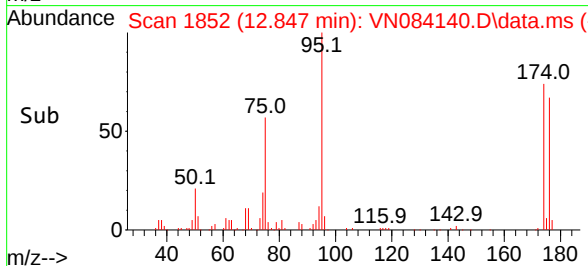
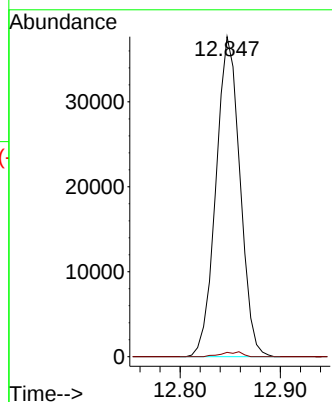
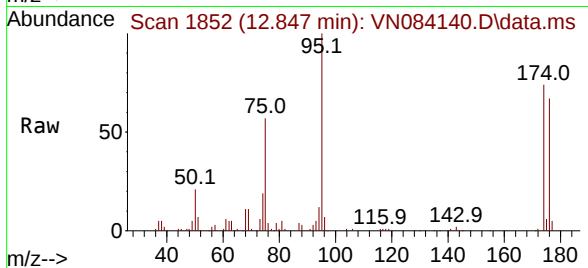
RE131D1-20240917

Tgt Ion: 75 Resp: 62678

Ion Ratio Lower Upper

75 100

77 1.3 95.2 285.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 89.318 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN084140.D

Acq: 24 Sep 2024 17:31

Tgt Ion: 75 Resp: 62678

Ion Ratio Lower Upper

75 100

53 0.0 81.2 121.8#

89 0.0 35.7 53.5#

