

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092324\
 Data File : VN084097.D
 Acq On : 23 Sep 2024 09:43
 Operator : JC\MD
 Sample : VN0923MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923MBL01

Quant Time: Sep 24 01:27:09 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)

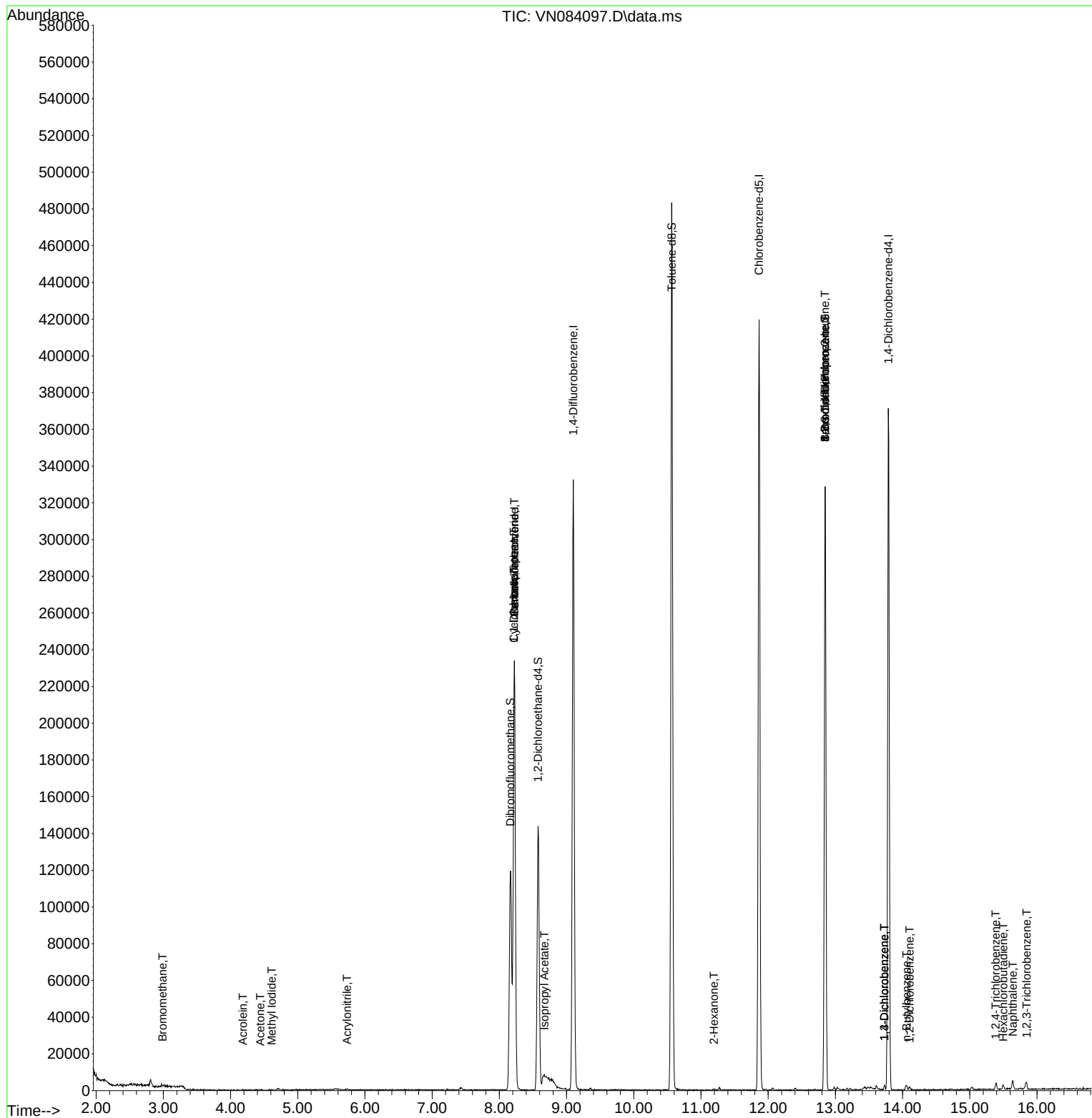
Internal Standards						
1) Pentafluorobenzene	8.224	168	157640	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	268937	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	230839	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	95071	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	118727	49.949	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.900%		
35) Dibromofluoromethane	8.165	113	87352	50.736	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.480%		
50) Toluene-d8	10.565	98	326125	54.792	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	109.580%		
62) 4-Bromofluorobenzene	12.847	95	114917	46.797	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	93.600%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	287	Below Cal	#	41
5) Bromomethane	2.989	94	350	0.304	ug/l #	2
10) Methyl Iodide	4.612	142	532	0.232	ug/l #	38
13) Acrolein	4.183	56	171	0.544	ug/l #	13
15) Acrylonitrile	5.736	53	257	0.297	ug/l #	52
16) Acetone	4.442	43	500	0.525	ug/l #	45
18) Methyl Acetate	5.030	43	53	Below Cal	#	52
31) Cyclohexane	8.218	56	4220	1.228	ug/l #	33
36) 1,1-Dichloropropene	8.218	75	15142	5.843	ug/l #	49
38) Carbon Tetrachloride	8.224	117	17858	6.074	ug/l #	15
43) Isopropyl Acetate	8.671	43	7556	1.773	ug/l #	57
59) 2-Hexanone	11.194	43	508	0.296	ug/l #	40
71) Bromoform	12.847	173	482	0.402	ug/l #	29
76) 1,2,3-Trichloropropane	12.847	75	62705	32.687	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	62705	85.610	ug/l #	9
87) 1,3-Dichlorobenzene	13.729	146	803	0.240	ug/l	95
88) 1,4-Dichlorobenzene	13.729	146	803	0.237	ug/l	95
89) n-Butylbenzene	14.059	91	2077	0.384	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	849	0.263	ug/l	90
93) 1,2,4-Trichlorobenzene	15.388	180	1397	0.807	ug/l	98
94) Hexachlorobutadiene	15.500	225	780	1.061	ug/l	92
95) Naphthalene	15.641	128	5192	0.986	ug/l	97
96) 1,2,3-Trichlorobenzene	15.847	180	1784	1.079	ug/l	87

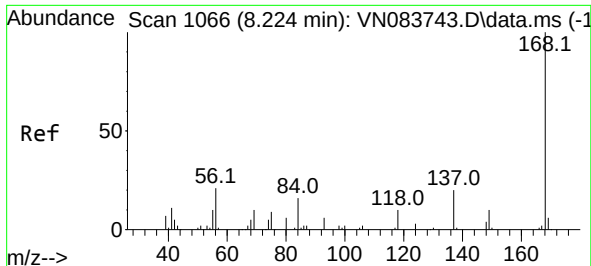
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

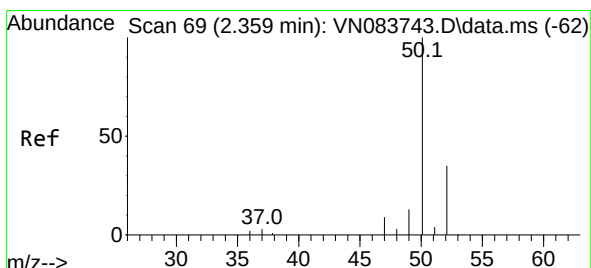
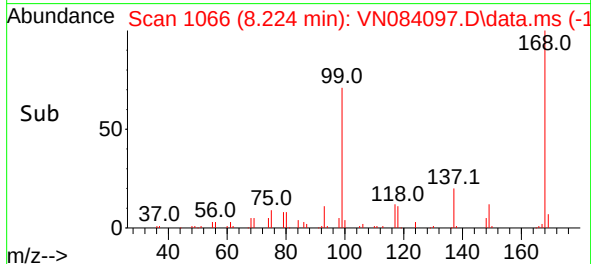
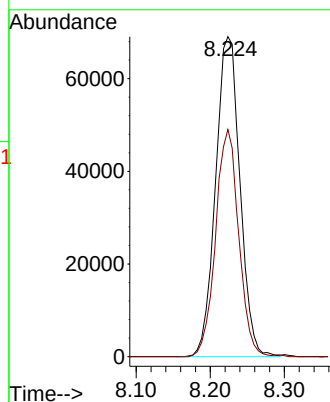
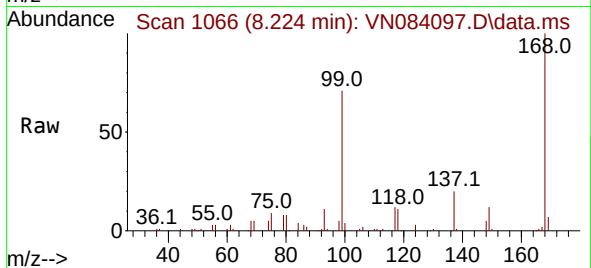




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084097.D
Acq: 23 Sep 2024 09:43

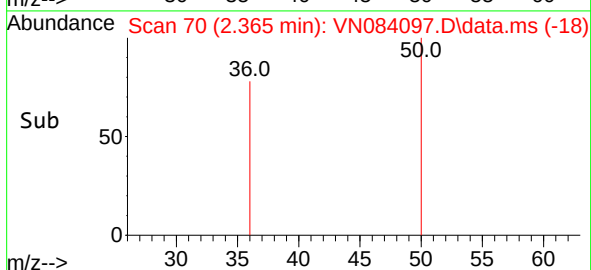
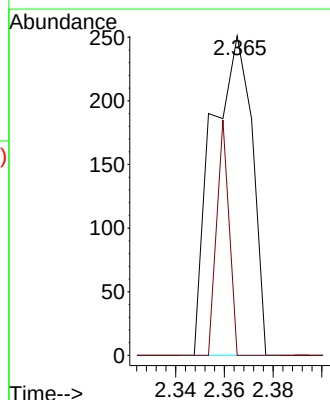
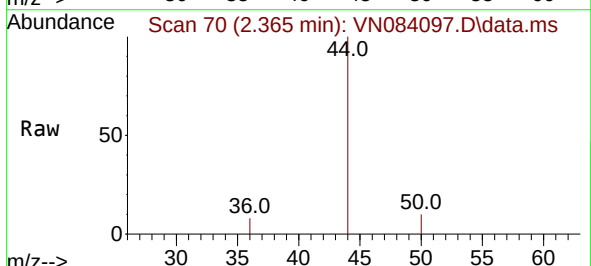
Instrument :
MSVOA_N
ClientSampleId :
VN0923MBL01

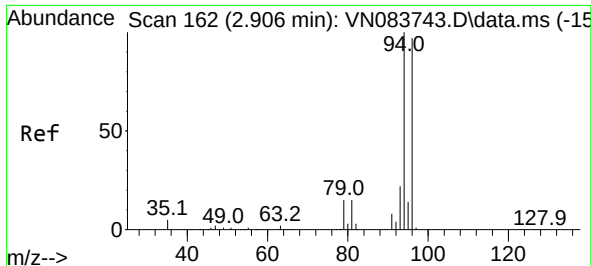
Tgt Ion:168 Resp: 157640
Ion Ratio Lower Upper
168 100
99 71.0 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084097.D
Acq: 23 Sep 2024 09:43

Tgt Ion: 50 Resp: 287
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#

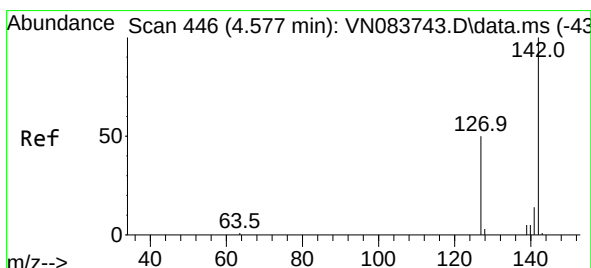
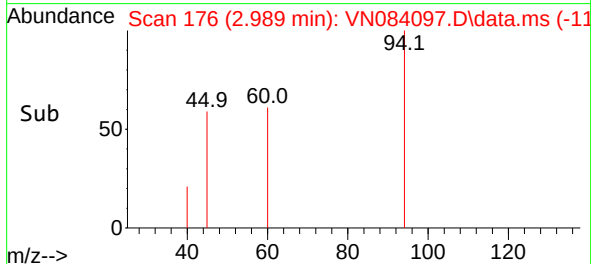
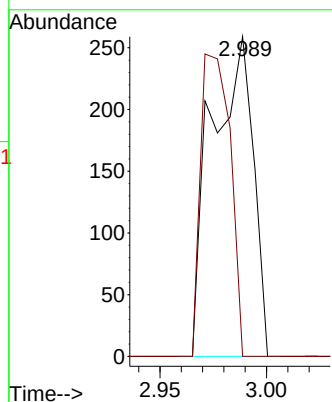
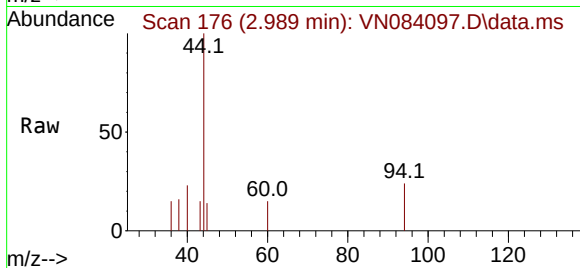




#5
Bromomethane
Concen: 0.304 ug/l
RT: 2.989 min Scan# 11
Delta R.T. 0.082 min
Lab File: VN084097.D
Acq: 23 Sep 2024 09:43

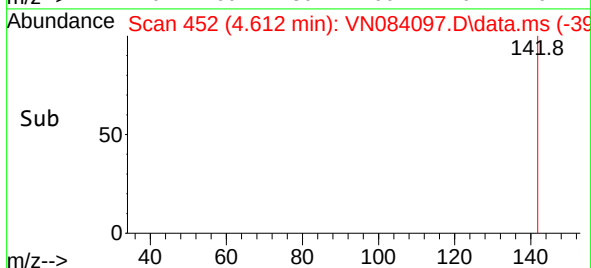
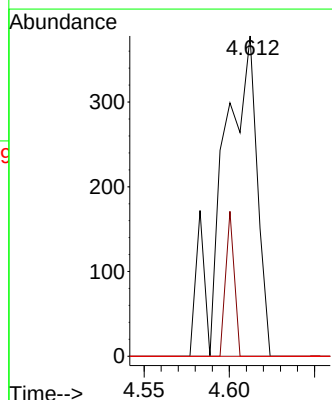
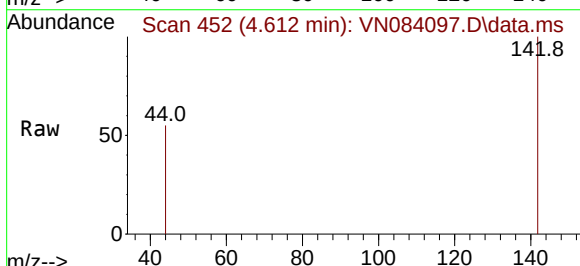
Instrument :
MSVOA_N
ClientSampleId :
VN0923MBL01

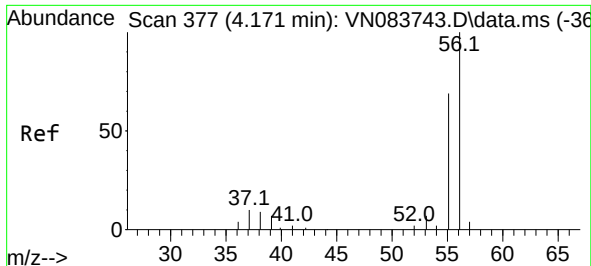
Tgt Ion: 94 Resp: 350
Ion Ratio Lower Upper
94 100
96 0.0 76.0 114.0#



#10
Methyl Iodide
Concen: 0.232 ug/l
RT: 4.612 min Scan# 452
Delta R.T. 0.035 min
Lab File: VN084097.D
Acq: 23 Sep 2024 09:43

Tgt Ion: 142 Resp: 532
Ion Ratio Lower Upper
142 100
127 0.0 37.5 56.3#
141 0.0 11.0 16.4#





#13

Acrolein

Concen: 0.544 ug/l

RT: 4.183 min Scan# 31

Delta R.T. 0.012 min

Lab File: VN084097.D

Acq: 23 Sep 2024 09:43

Instrument :

MSVOA_N

ClientSampleId :

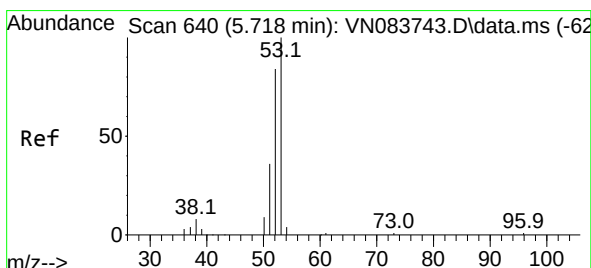
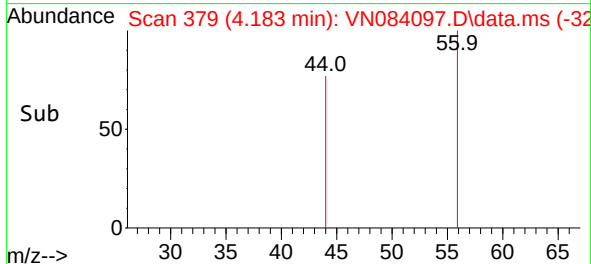
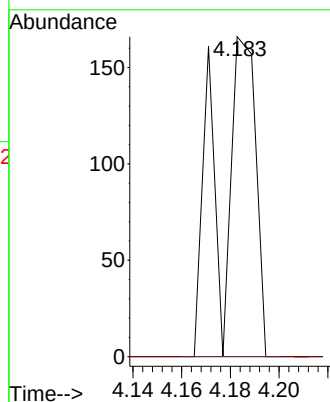
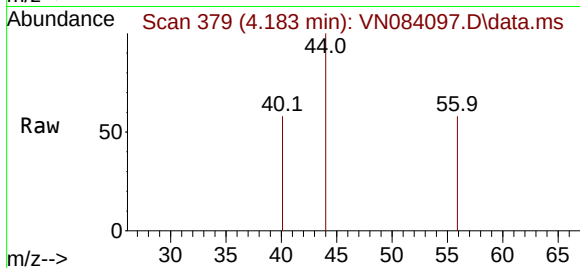
VN0923MBL01

Tgt Ion: 56 Resp: 171

Ion Ratio Lower Upper

56 100

55 0.0 58.2 87.2#



#15

Acrylonitrile

Concen: 0.297 ug/l

RT: 5.736 min Scan# 643

Delta R.T. 0.018 min

Lab File: VN084097.D

Acq: 23 Sep 2024 09:43

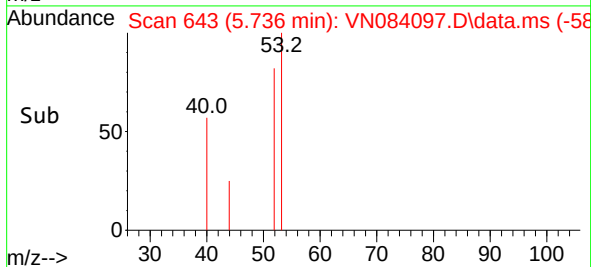
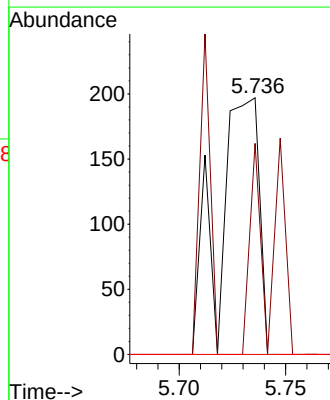
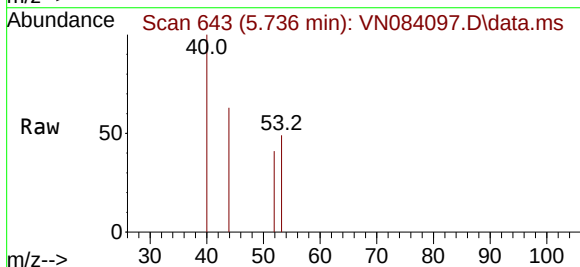
Tgt Ion: 53 Resp: 257

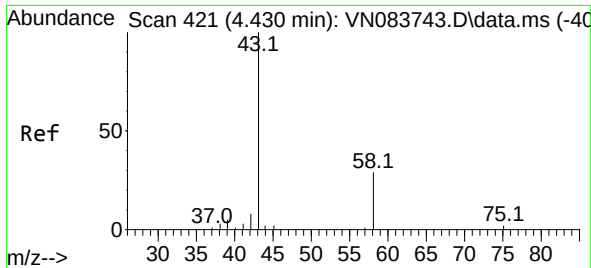
Ion Ratio Lower Upper

53 100

52 45.1 66.1 99.1#

51 0.0 29.6 44.4#

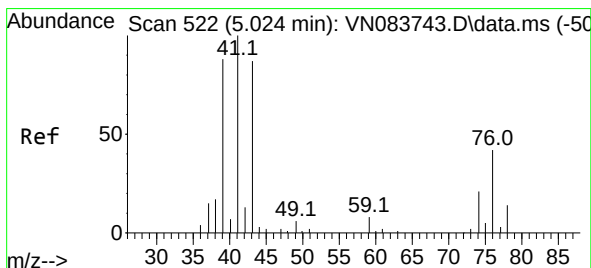
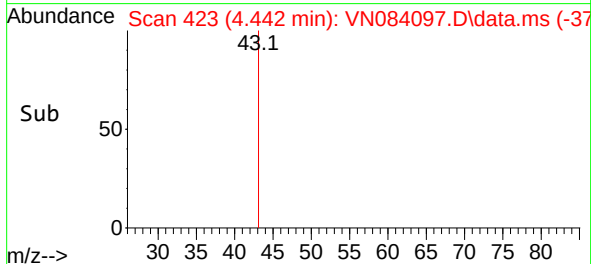
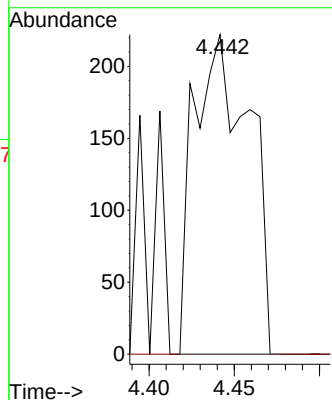
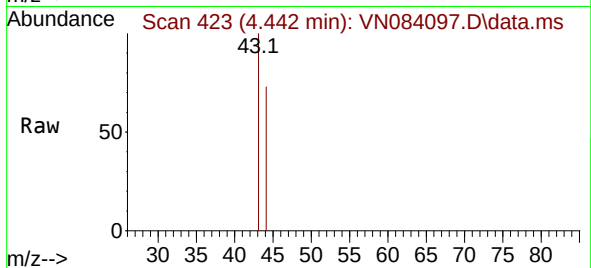




#16
Acetone
Concen: 0.525 ug/l
RT: 4.442 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN084097.D
Acq: 23 Sep 2024 09:43

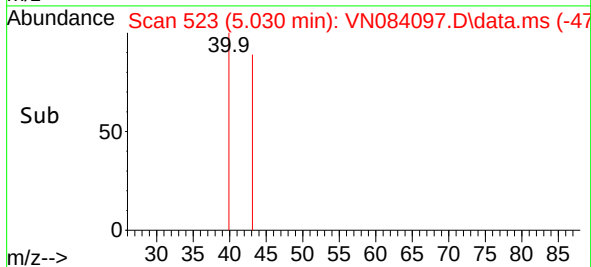
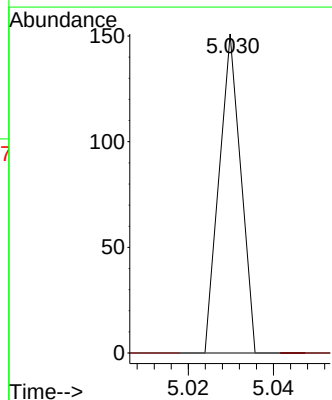
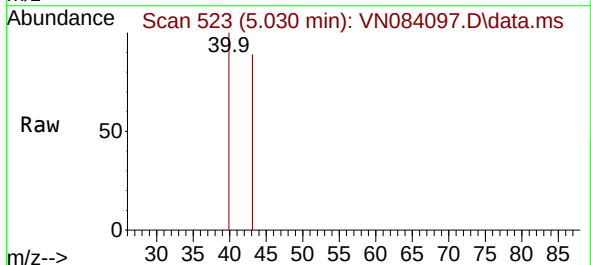
Instrument :
MSVOA_N
ClientSampleId :
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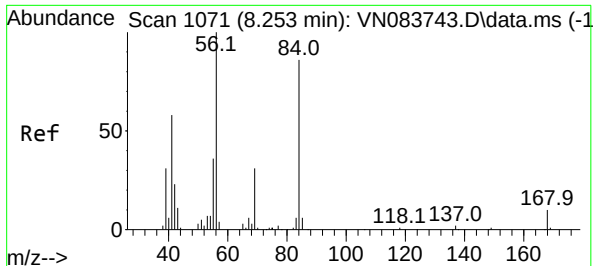
Tgt Ion: 43 Resp: 500
Ion Ratio Lower Upper
43 100
58 0.0 23.7 35.5#



#18
Methyl Acetate
Concen: Below Cal
RT: 5.030 min Scan# 523
Delta R.T. 0.006 min
Lab File: VN084097.D
Acq: 23 Sep 2024 09:43

Tgt Ion: 43 Resp: 53
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.4#

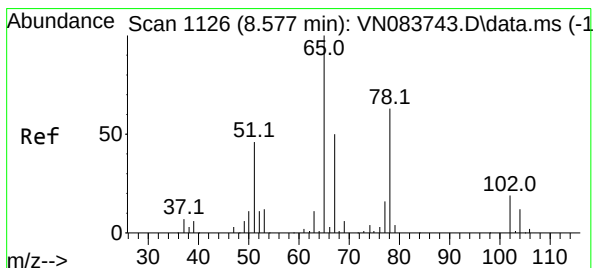
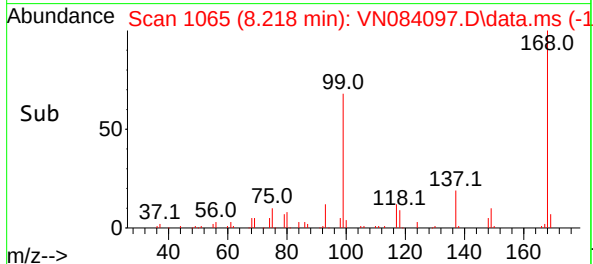
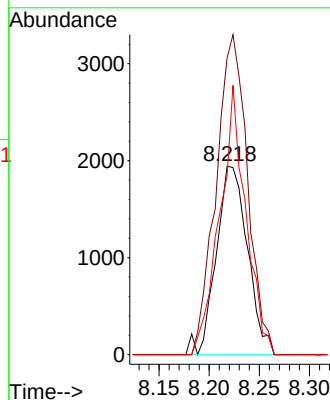
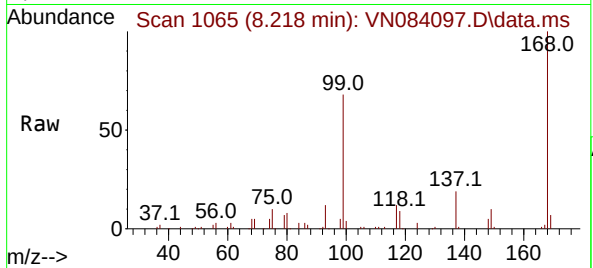




#31
Cyclohexane
Concen: 1.228 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN084097.D
Acq: 23 Sep 2024 09:43

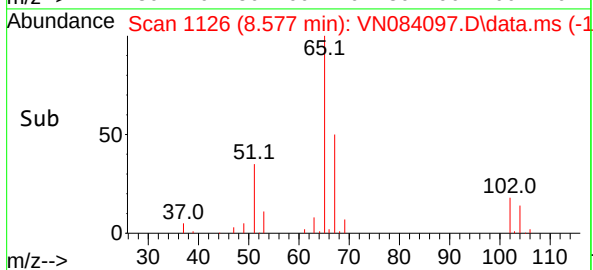
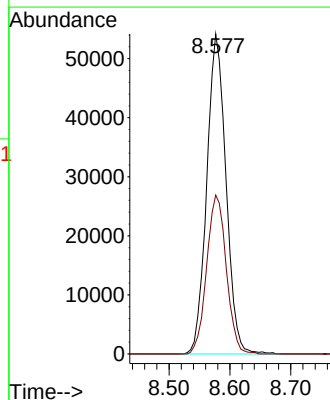
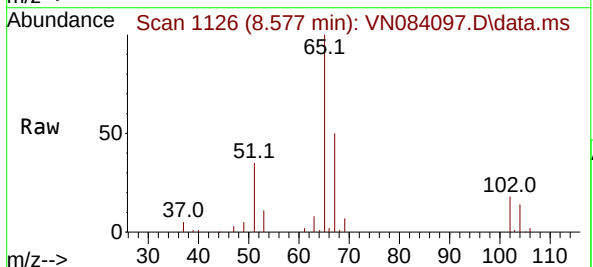
Instrument :
MSVOA_N
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VN0923MBL01

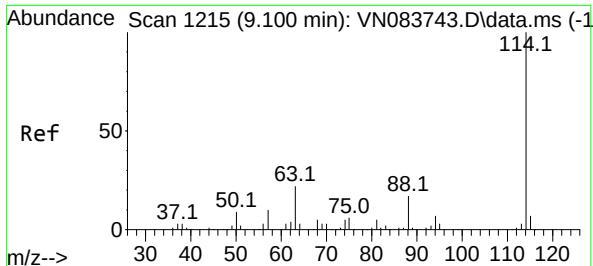
Tgt Ion: 56 Resp: 4220
Ion Ratio Lower Upper
56 100
69 157.4 26.9 40.3#
84 95.0 69.2 103.8



#33
1,2-Dichloroethane-d4
Concen: 49.949 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084097.D
Acq: 23 Sep 2024 09:43

Tgt Ion: 65 Resp: 118727
Ion Ratio Lower Upper
65 100
67 50.7 0.0 100.8

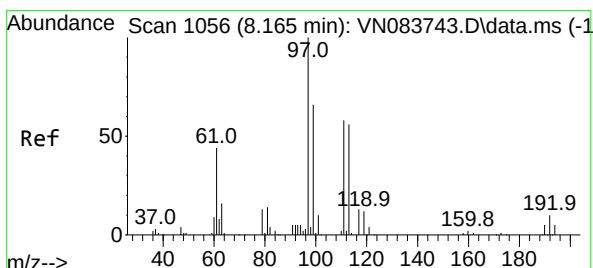
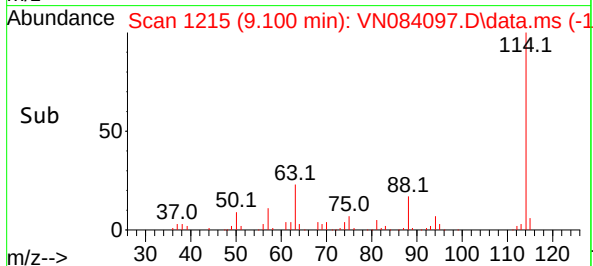
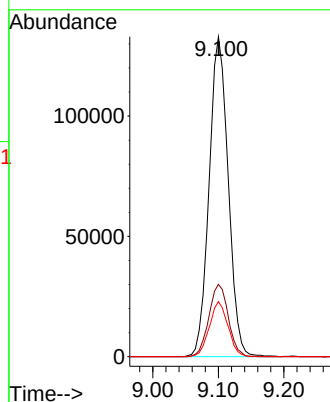
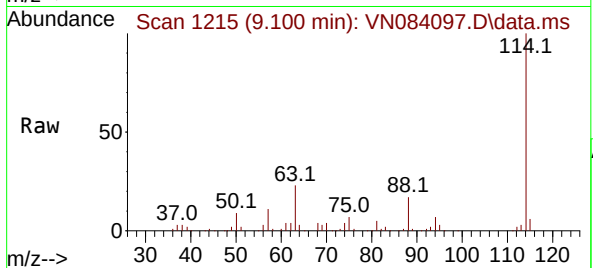




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084097.D
Acq: 23 Sep 2024 09:43

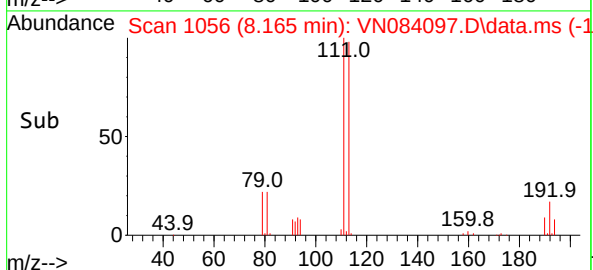
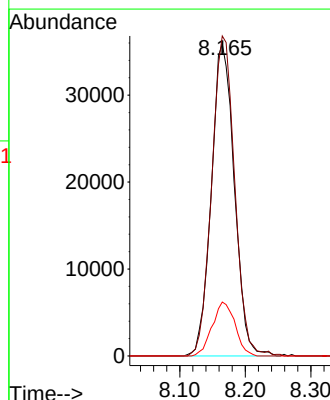
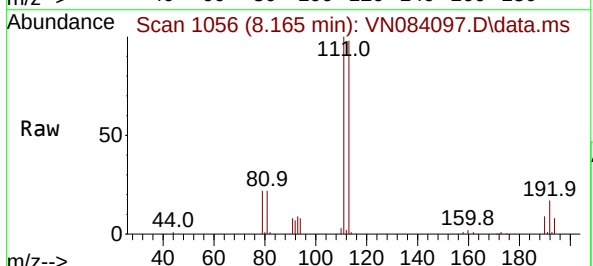
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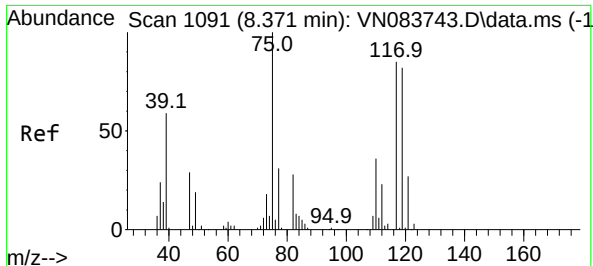
Tgt Ion:114 Resp: 268937
Ion Ratio Lower Upper
114 100
63 22.6 0.0 43.4
88 17.2 0.0 32.6



#35
Dibromofluoromethane
Concen: 50.736 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084097.D
Acq: 23 Sep 2024 09:43

Tgt Ion:113 Resp: 87352
Ion Ratio Lower Upper
113 100
111 102.4 82.6 124.0
192 17.2 14.3 21.5





#36

1,1-Dichloropropene

Concen: 5.843 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN084097.D

Acq: 23 Sep 2024 09:43

Instrument :

MSVOA_N

ClientSampleId :

VN0923MBL01

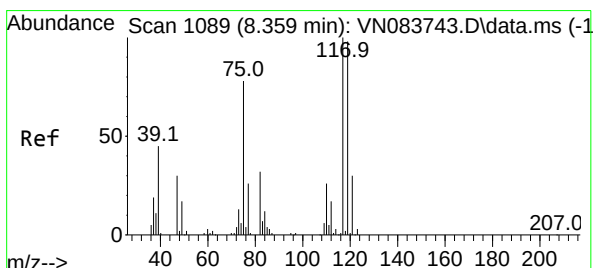
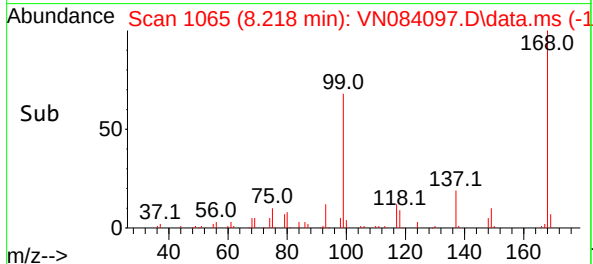
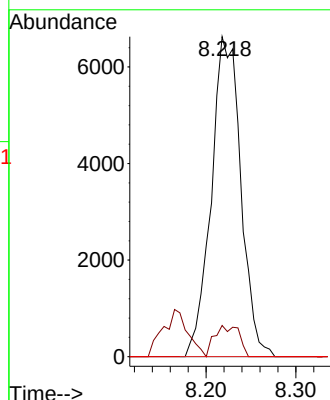
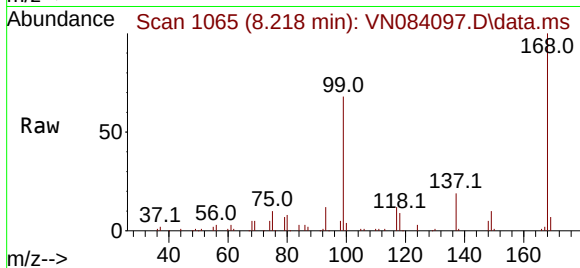
Tgt Ion: 75 Resp: 15142

Ion Ratio Lower Upper

75 100

110 8.1 16.7 50.1#

77 0.0 25.2 37.8#



#38

Carbon Tetrachloride

Concen: 6.074 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN084097.D

Acq: 23 Sep 2024 09:43

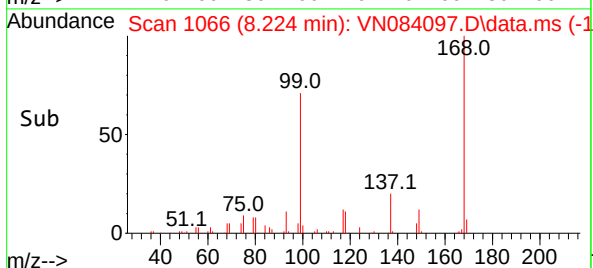
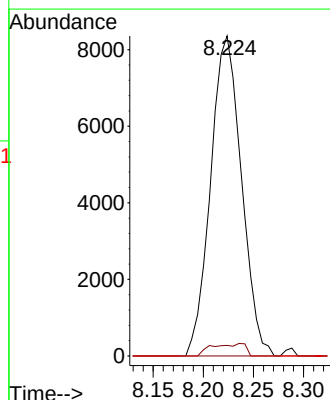
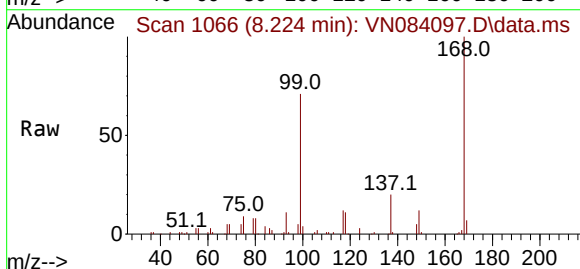
Tgt Ion: 117 Resp: 17858

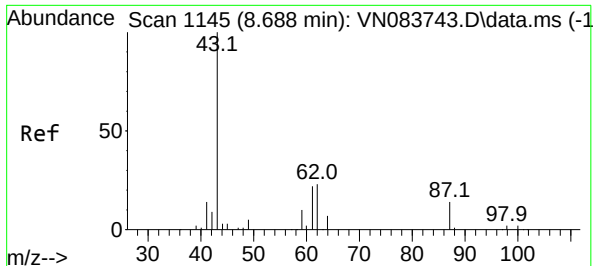
Ion Ratio Lower Upper

117 100

119 3.3 76.1 114.1#

121 0.0 24.1 36.1#





#43

Isopropyl Acetate

Concen: 1.773 ug/l

RT: 8.671 min Scan# 1145

Delta R.T. -0.018 min

Lab File: VN084097.D

Acq: 23 Sep 2024 09:43

Instrument :

MSVOA_N

ClientSampleId :

VN0923MBL01

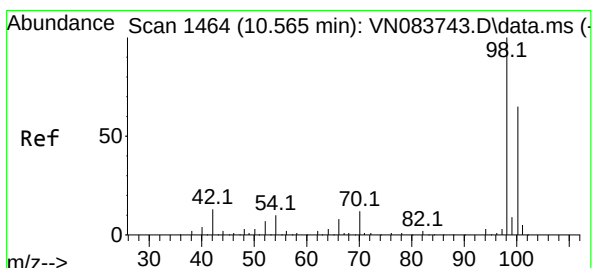
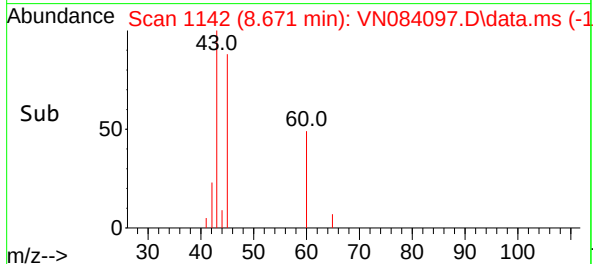
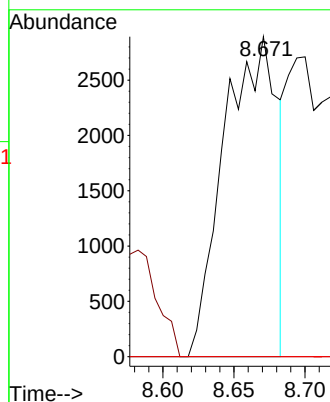
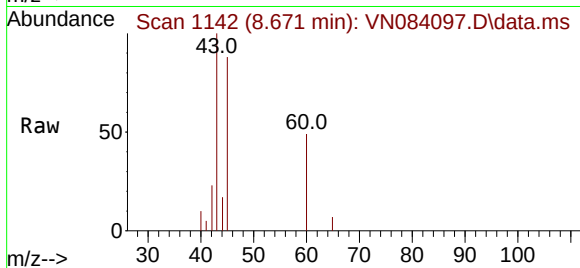
Tgt Ion: 43 Resp: 7556

Ion Ratio Lower Upper

43 100

61 0.0 19.4 29.0#

87 0.0 9.8 14.6#



#50

Toluene-d8

Concen: 54.792 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084097.D

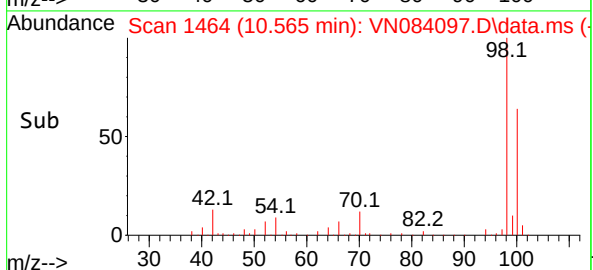
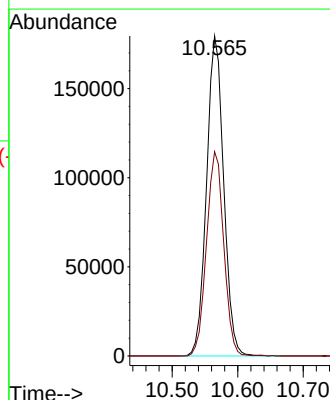
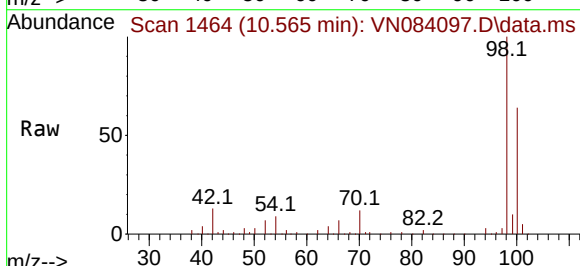
Acq: 23 Sep 2024 09:43

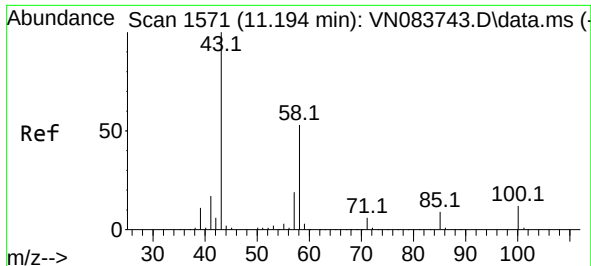
Tgt Ion: 98 Resp: 326125

Ion Ratio Lower Upper

98 100

100 64.3 52.0 78.0

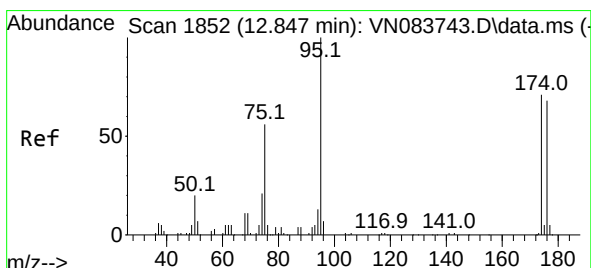
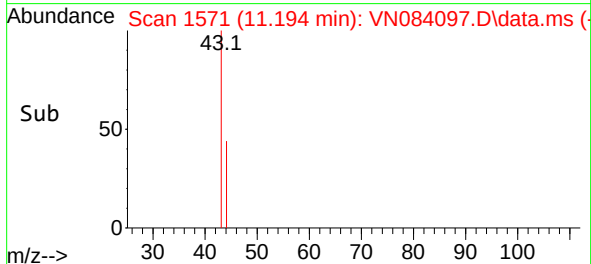
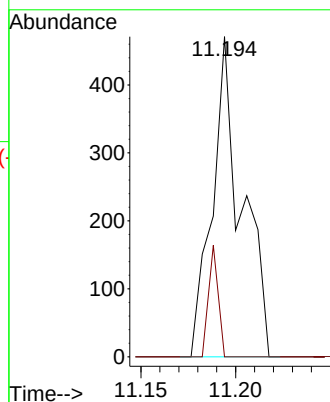
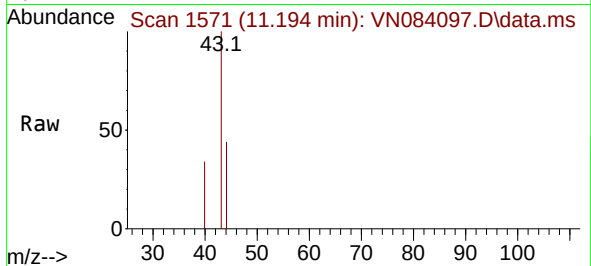




#59
2-Hexanone
Concen: 0.296 ug/l
RT: 11.194 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084097.D
Acq: 23 Sep 2024 09:43

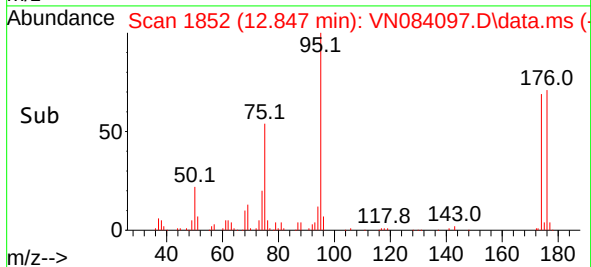
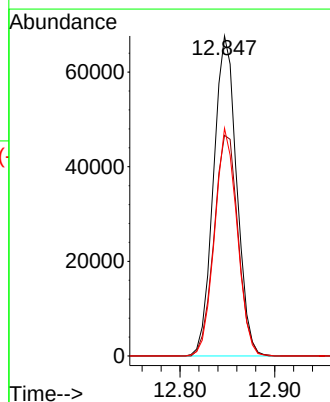
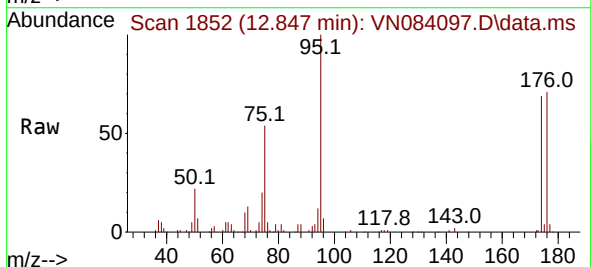
Instrument :
MSVOA_N
ClientSampleId :
VN0923MBL01

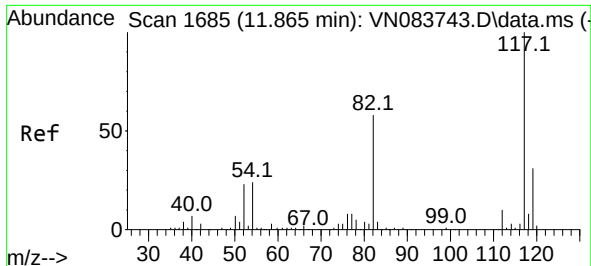
Tgt Ion: 43 Resp: 508
Ion Ratio Lower Upper
43 100
58 11.4 27.2 81.5#



#62
4-Bromofluorobenzene
Concen: 46.797 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084097.D
Acq: 23 Sep 2024 09:43

Tgt Ion: 95 Resp: 114917
Ion Ratio Lower Upper
95 100
174 71.6 0.0 139.8
176 69.0 0.0 131.4

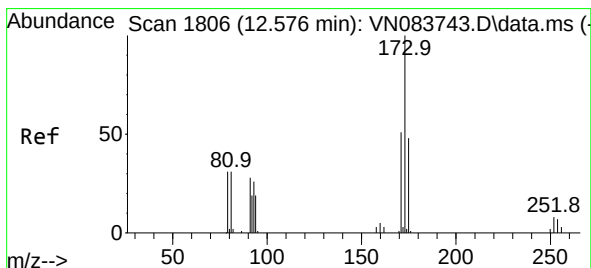
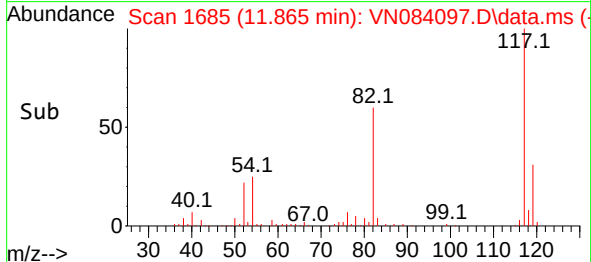
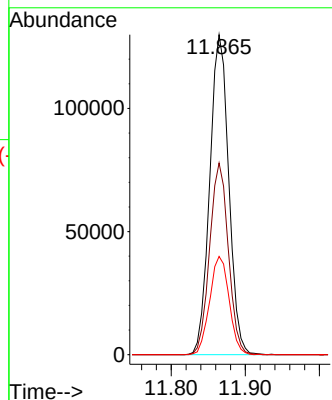
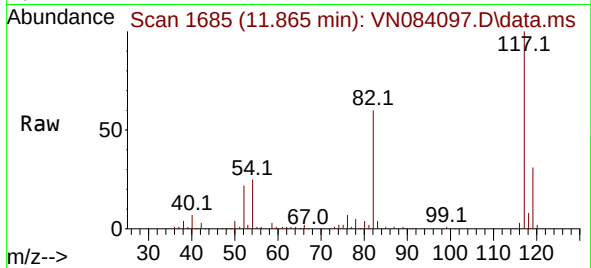




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN084097.D
Acq: 23 Sep 2024 09:43

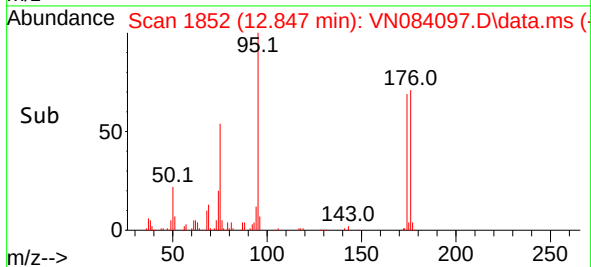
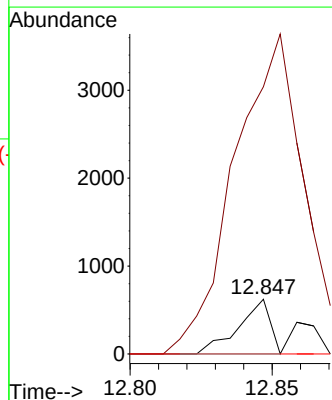
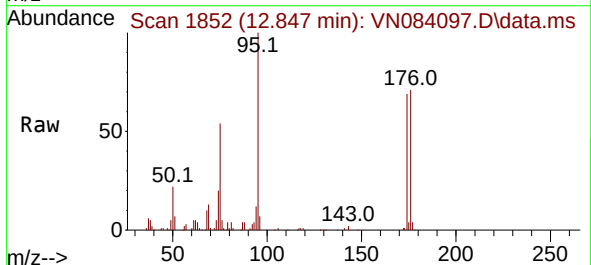
Instrument :
MSVOA_N
ClientSampleId :
VN0923MBL01

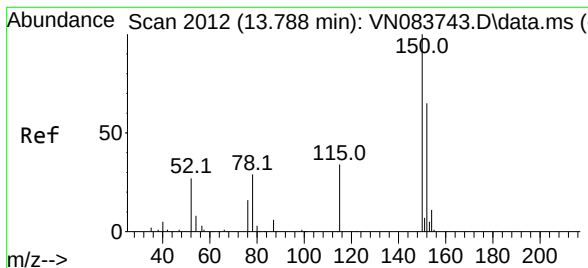
Tgt Ion:117 Resp: 230839
Ion Ratio Lower Upper
117 100
82 59.9 47.4 71.0
119 30.7 26.3 39.5



#71
Bromoform
Concen: 0.402 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN084097.D
Acq: 23 Sep 2024 09:43

Tgt Ion:173 Resp: 482
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: VN084097.D

Acq: 23 Sep 2024 09:43

Instrument :

MSVOA_N

ClientSampleId :

VN0923MBL01

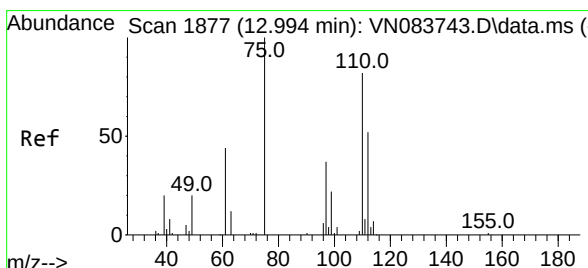
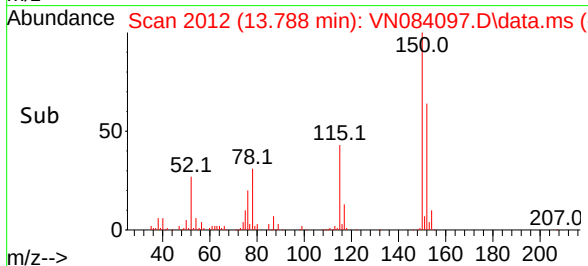
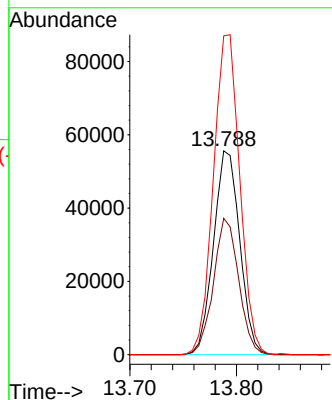
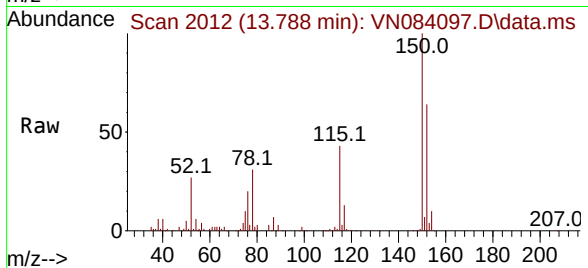
Tgt Ion:152 Resp: 95071

Ion Ratio Lower Upper

152 100

115 64.5 32.2 96.6

150 158.0 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 32.687 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN084097.D

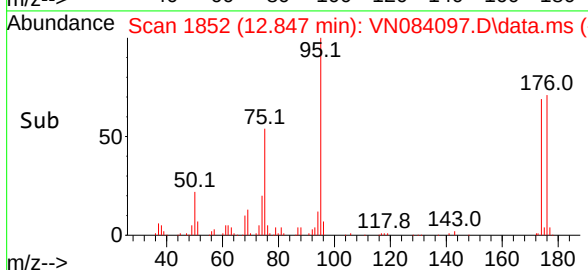
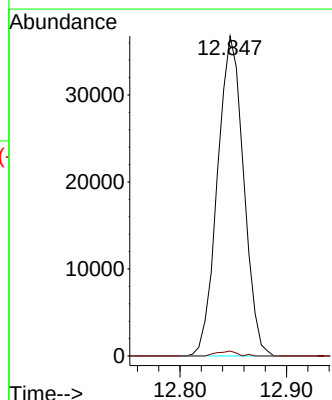
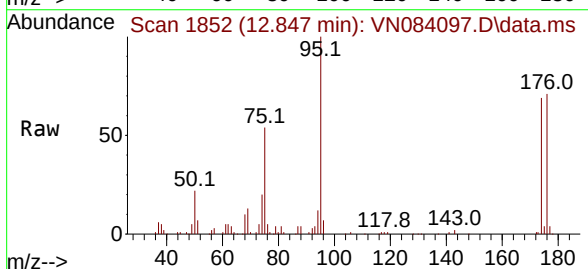
Acq: 23 Sep 2024 09:43

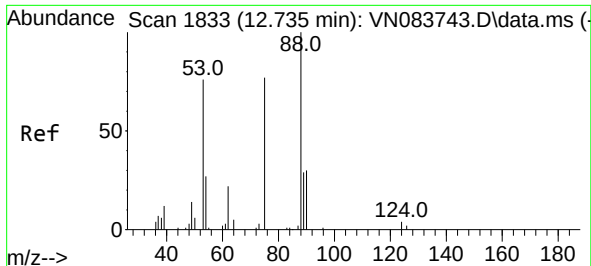
Tgt Ion: 75 Resp: 62705

Ion Ratio Lower Upper

75 100

77 1.2 95.2 285.6#

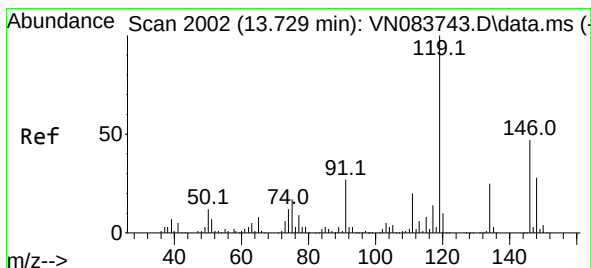
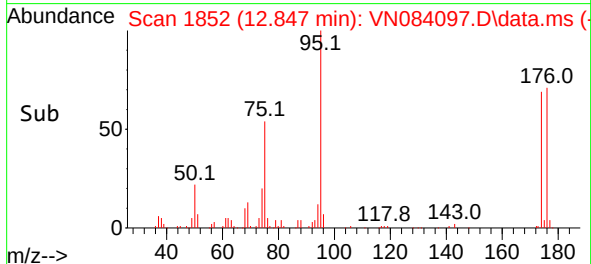
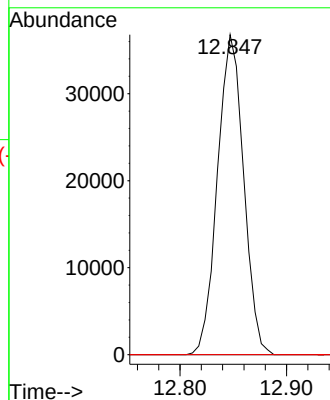
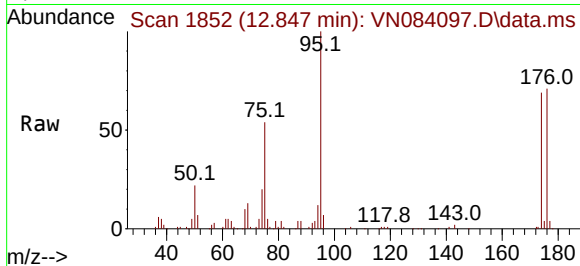




#81
trans-1,4-Dichloro-2-butene
Concen: 85.610 ug/l
RT: 12.847 min Scan# 1833
Delta R.T. 0.112 min
Lab File: VN084097.D
Acq: 23 Sep 2024 09:43

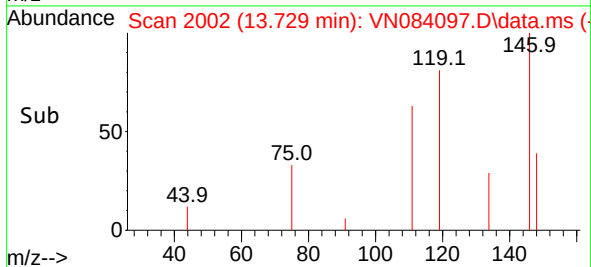
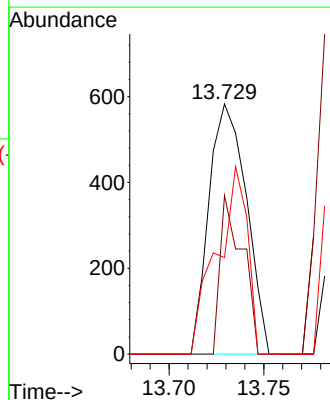
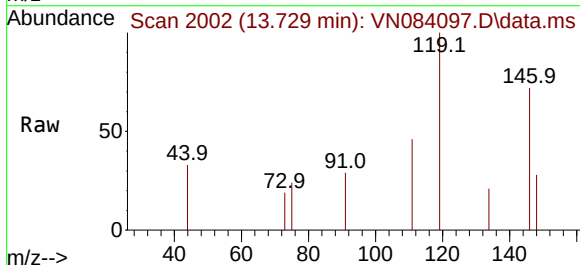
Instrument :
MSVOA_N
ClientSampleId :
VN0923MBL01

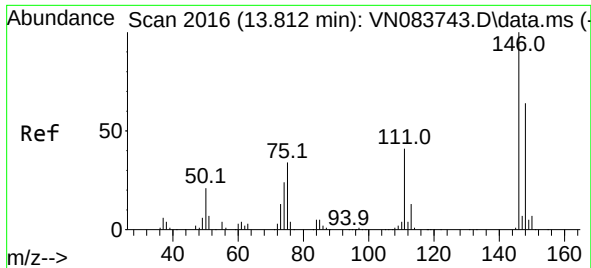
Tgt Ion: 75 Resp: 62705
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#



#87
1,3-Dichlorobenzene
Concen: 0.240 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN084097.D
Acq: 23 Sep 2024 09:43

Tgt Ion: 146 Resp: 803
Ion Ratio Lower Upper
146 100
111 37.7 21.7 65.1
148 61.0 31.7 95.1

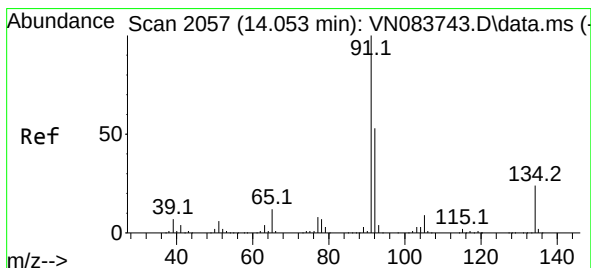
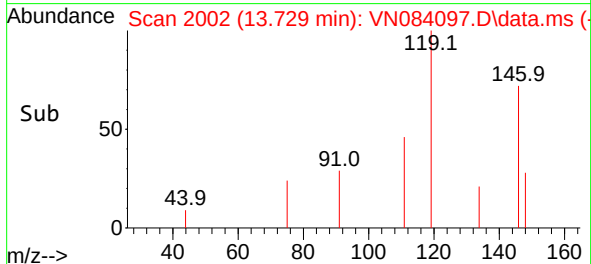
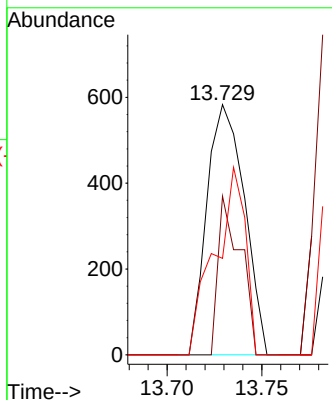
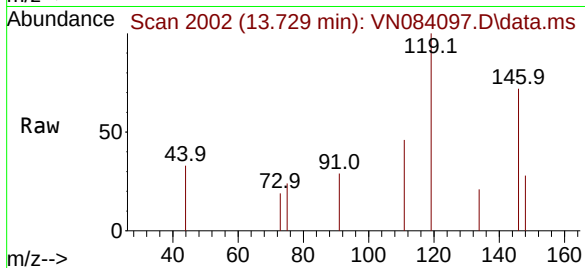




#88
 1,4-Dichlorobenzene
 Concen: 0.237 ug/l
 RT: 13.729 min Scan# 2016
 Delta R.T. -0.082 min
 Lab File: VN084097.D
 Acq: 23 Sep 2024 09:43

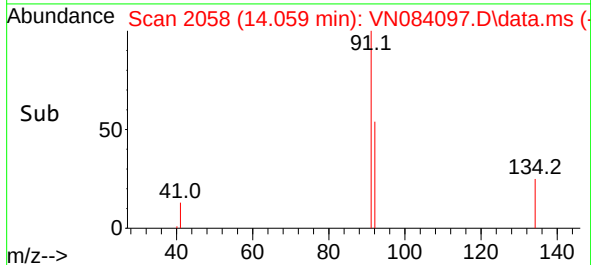
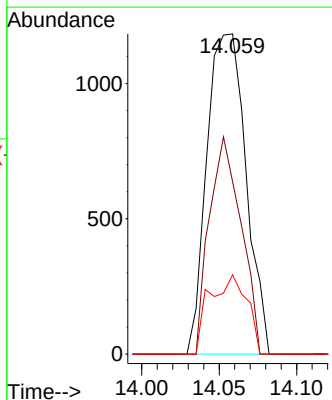
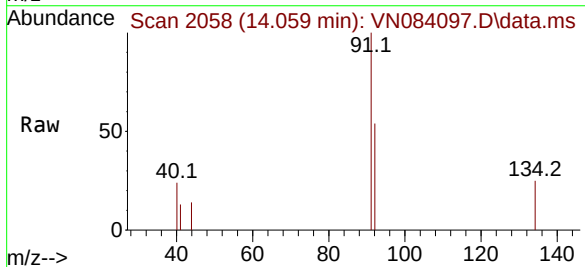
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923MBL01

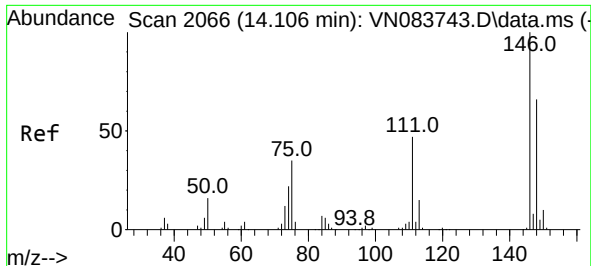
Tgt Ion:146 Resp: 803
 Ion Ratio Lower Upper
 146 100
 111 37.7 21.3 64.0
 148 61.0 32.0 96.2



#89
 n-Butylbenzene
 Concen: 0.384 ug/l
 RT: 14.059 min Scan# 2058
 Delta R.T. 0.006 min
 Lab File: VN084097.D
 Acq: 23 Sep 2024 09:43

Tgt Ion: 91 Resp: 2077
 Ion Ratio Lower Upper
 91 100
 92 55.1 26.7 80.1
 134 23.4 12.2 36.4





#91

1,2-Dichlorobenzene

Concen: 0.263 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. -0.000 min

Lab File: VN084097.D

Acq: 23 Sep 2024 09:43

Instrument :

MSVOA_N

ClientSampleId :

VN0923MBL01

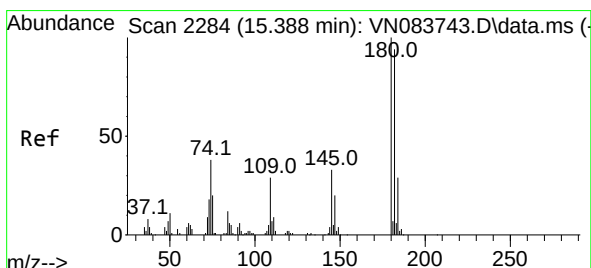
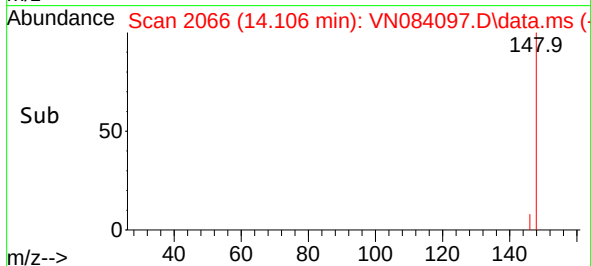
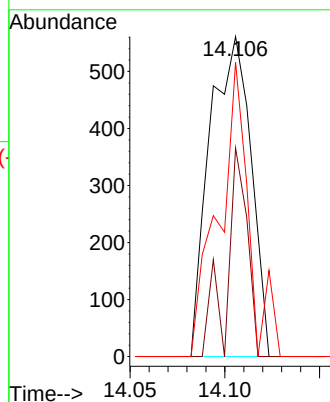
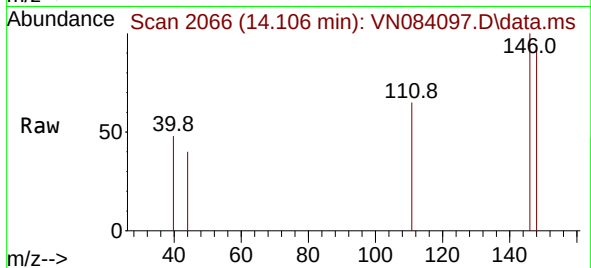
Tgt Ion:146 Resp: 849

Ion Ratio Lower Upper

146 100

111 32.4 22.8 68.3

148 67.1 32.1 96.5



#93

1,2,4-Trichlorobenzene

Concen: 0.807 ug/l

RT: 15.388 min Scan# 2284

Delta R.T. -0.000 min

Lab File: VN084097.D

Acq: 23 Sep 2024 09:43

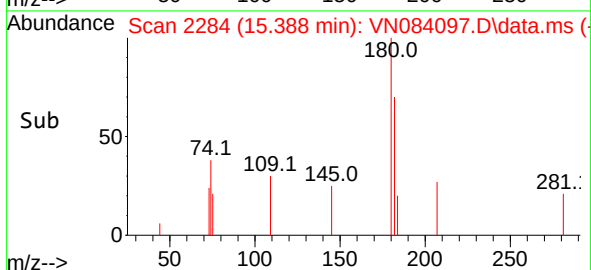
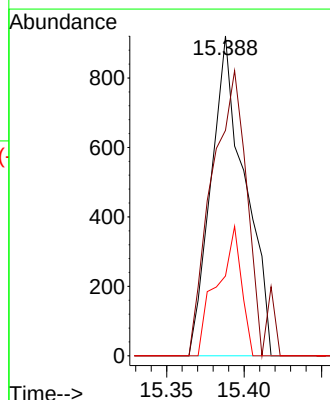
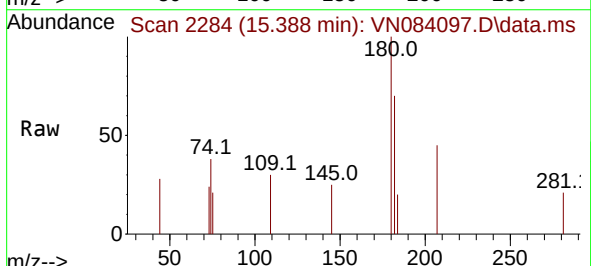
Tgt Ion:180 Resp: 1397

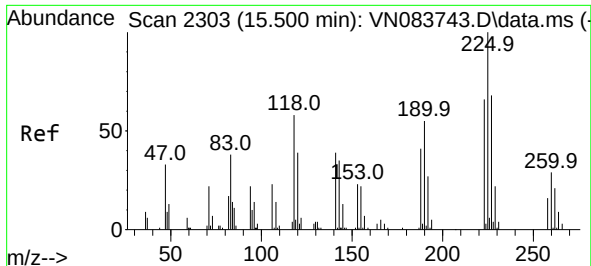
Ion Ratio Lower Upper

180 100

182 95.8 48.1 144.3

145 29.0 16.9 50.7

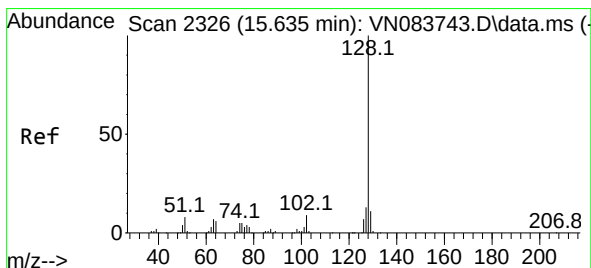
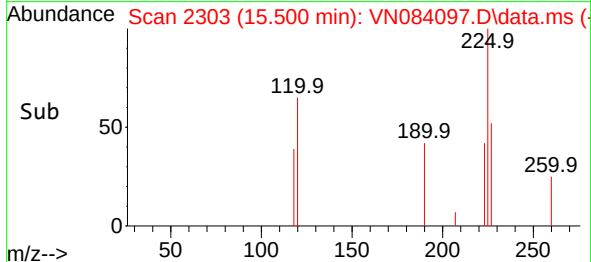
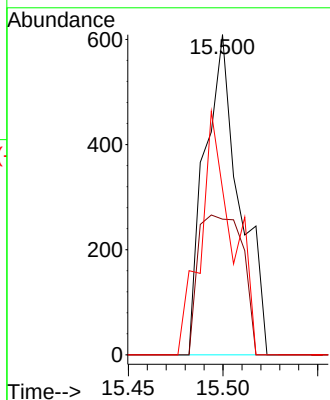
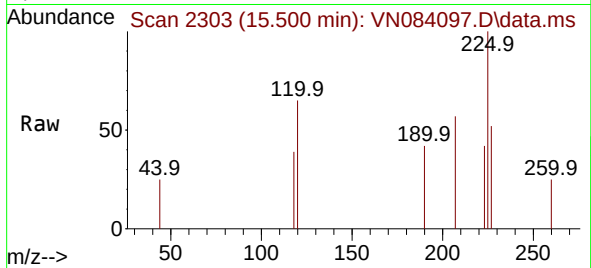




#94
Hexachlorobutadiene
Concen: 1.061 ug/l
RT: 15.500 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN084097.D
Acq: 23 Sep 2024 09:43

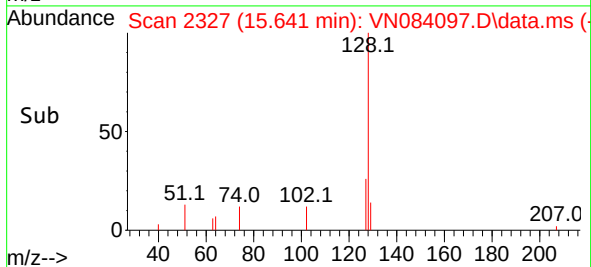
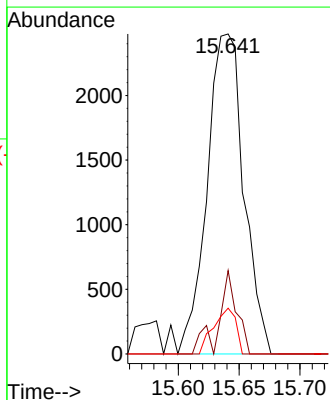
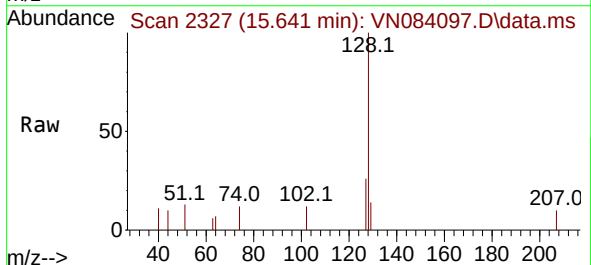
Instrument :
MSVOA_N
ClientSampleId :
VN0923MBL01

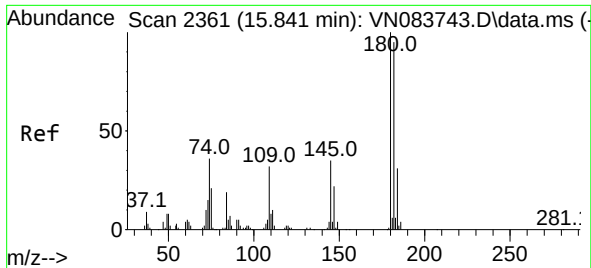
Tgt Ion:	225	Resp:	780
Ion	Ratio	Lower	Upper
225	100		
223	55.5	31.9	95.5
227	69.1	32.0	96.2



#95
Naphthalene
Concen: 0.986 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN084097.D
Acq: 23 Sep 2024 09:43

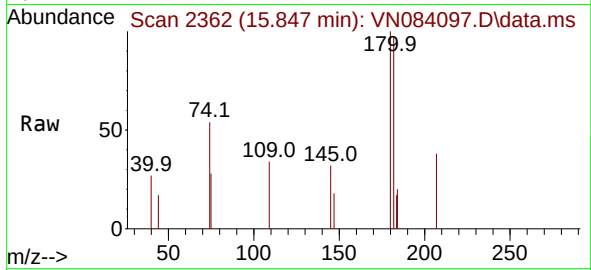
Tgt Ion:	128	Resp:	5192
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	8.8	8.7	13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 1.079 ug/l
 RT: 15.847 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN084097.D
 Acq: 23 Sep 2024 09:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923MBL01



Tgt Ion:	180	Resp:	1784
Ion	Ratio	Lower	Upper
180	100		
182	108.9	47.1	141.4
145	31.3	17.8	53.5

