

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092524\
 Data File : VN084161.D
 Acq On : 25 Sep 2024 15:47
 Operator : JC\MD
 Sample : P4116-05DL 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE122D1-20240916DL

Quant Time: Sep 26 01:35:07 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)

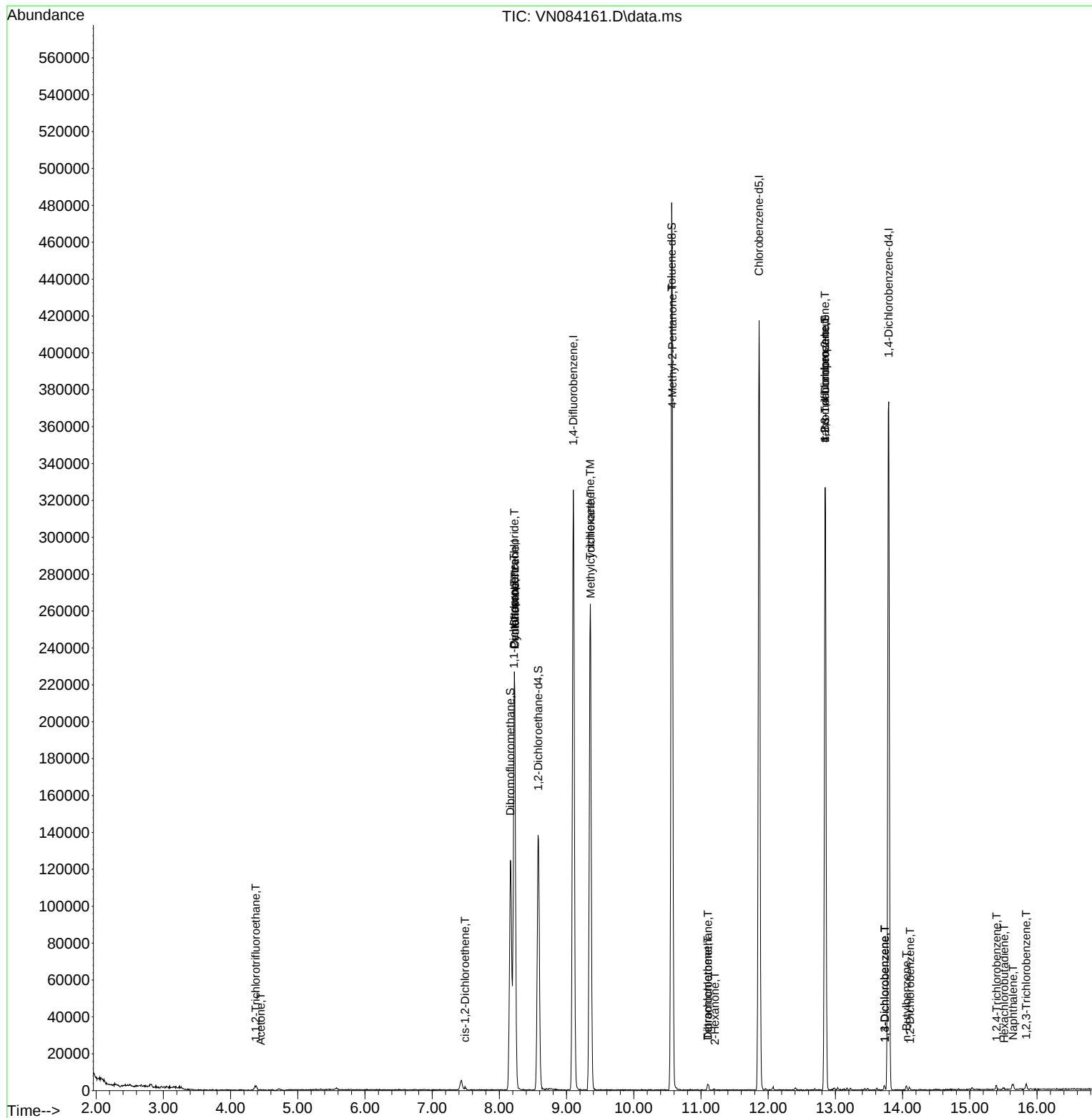
Internal Standards						
1) Pentafluorobenzene	8.229	168	157422	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	271963	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.864	117	232453	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	98511	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	117067	49.318	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.640%
35) Dibromofluoromethane	8.165	113	89280	51.279	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.560%
50) Toluene-d8	10.565	98	328335	54.550	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	109.100%
62) 4-Bromofluorobenzene	12.847	95	114923	46.279	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	92.560%
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	137	Below Cal	#	41
9) 1,1,2-Trichlorotrifluo...	4.377	101	1666	0.924	ug/l #	72
16) Acetone	4.447	43	330	0.347	ug/l #	42
27) cis-1,2-Dichloroethene	7.488	96	825	0.381	ug/l	63
31) Cyclohexane	8.229	56	3942	1.149	ug/l #	14
36) 1,1-Dichloropropene	8.218	75	14489	5.529	ug/l #	48
38) Carbon Tetrachloride	8.224	117	17877	6.013	ug/l #	16
39) Methylcyclohexane	9.359	83	1238	0.415	ug/l #	1
44) Trichloroethene	9.353	130	91915	50.322	ug/l	94
51) 4-Methyl-2-Pentanone	10.576	43	1448	0.617	ug/l #	1
59) 2-Hexanone	11.206	43	530	0.305	ug/l #	39
60) Dibromochloromethane	11.106	129	729	0.362	ug/l #	10
64) Tetrachloroethene	11.100	164	636	0.411	ug/l #	80
76) 1,2,3-Trichloropropane	12.847	75	63121	31.755	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	63121	83.168	ug/l #	9
87) 1,3-Dichlorobenzene	13.735	146	1023	0.295	ug/l	73
88) 1,4-Dichlorobenzene	13.735	146	1023	0.292	ug/l	73
89) n-Butylbenzene	14.058	91	1687	0.301	ug/l	82
91) 1,2-Dichlorobenzene	14.111	146	699	0.209	ug/l #	67
93) 1,2,4-Trichlorobenzene	15.400	180	1035	0.577	ug/l #	76
94) Hexachlorobutadiene	15.511	225	404	0.531	ug/l #	28
95) Naphthalene	15.647	128	3934	0.721	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.841	180	1141	0.666	ug/l	84

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

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ClientSampleId :
RE122D1-20240916DL

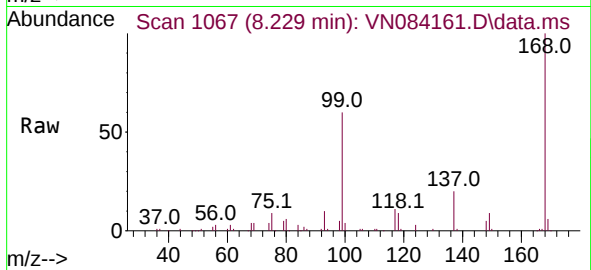
Quant Time: Sep 26 01:35:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
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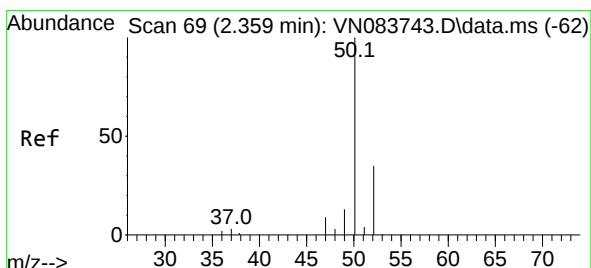
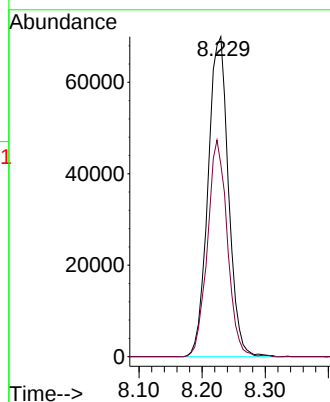
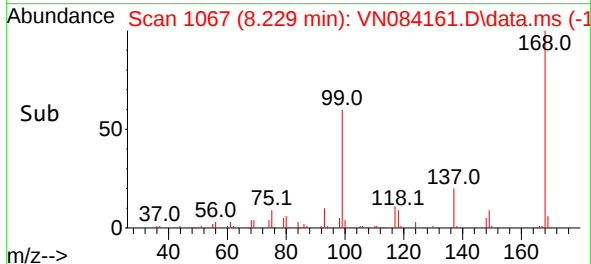


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN084161.D
Acq: 25 Sep 2024 15:47

Instrument :
MSVOA_N
ClientSampleId :
RE122D1-20240916DL

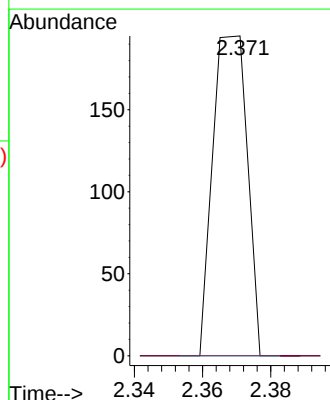
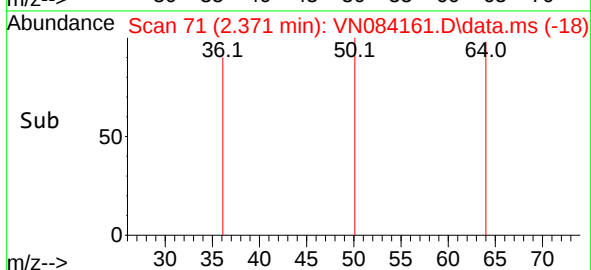
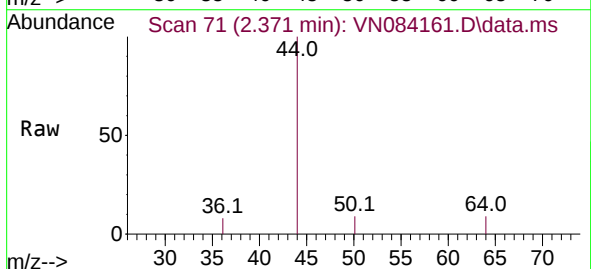


Tgt Ion:168 Resp: 157422
Ion Ratio Lower Upper
168 100
99 60.1 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.012 min
Lab File: VN084161.D
Acq: 25 Sep 2024 15:47

Tgt Ion: 50 Resp: 137
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#

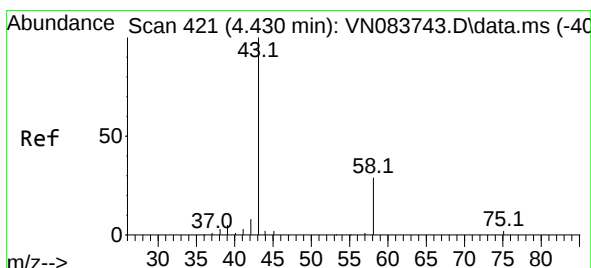
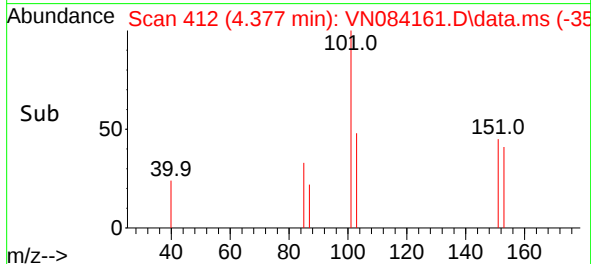
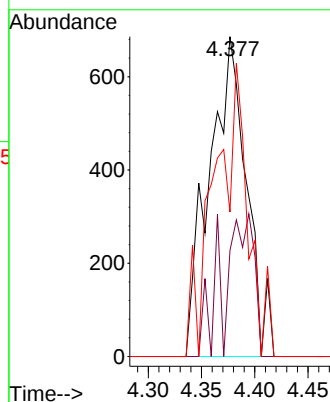
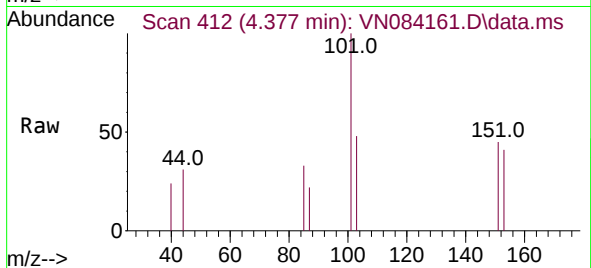




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.924 ug/l
RT: 4.377 min Scan# 411
Delta R.T. 0.023 min
Lab File: VN084161.D
Acq: 25 Sep 2024 15:47

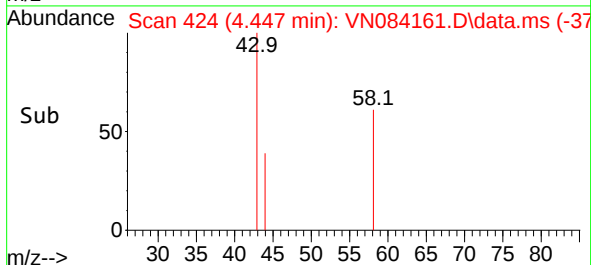
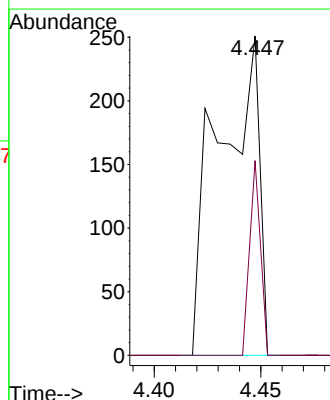
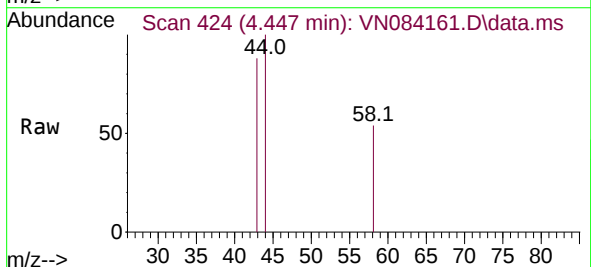
Instrument :
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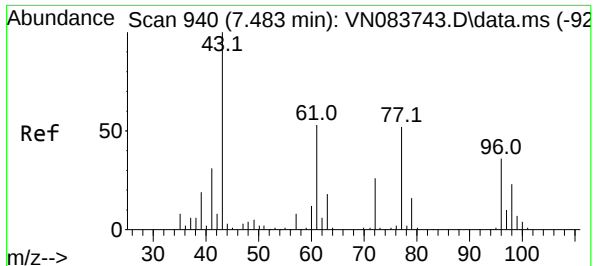
Tgt Ion:101 Resp: 1666
Ion Ratio Lower Upper
101 100
85 10.0 36.2 54.4#
151 82.1 57.7 86.5



#16
Acetone
Concen: 0.347 ug/l
RT: 4.447 min Scan# 424
Delta R.T. 0.017 min
Lab File: VN084161.D
Acq: 25 Sep 2024 15:47

Tgt Ion: 43 Resp: 330
Ion Ratio Lower Upper
43 100
58 61.0 23.7 35.5#

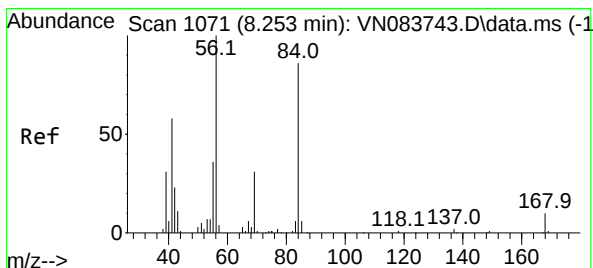
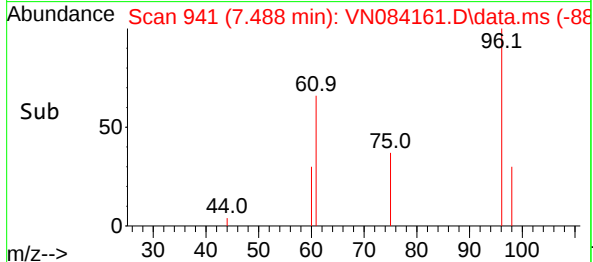
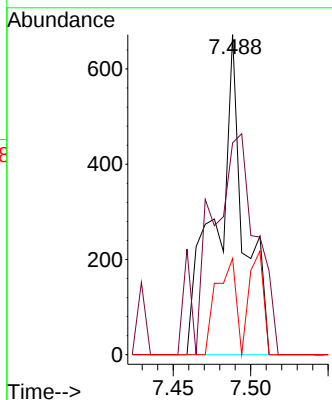
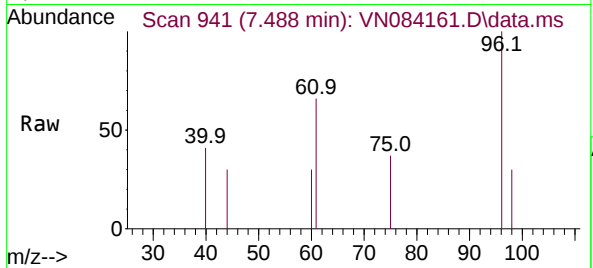




#27
 cis-1,2-Dichloroethene
 Concen: 0.381 ug/l
 RT: 7.488 min Scan# 941
 Delta R.T. 0.006 min
 Lab File: VN084161.D
 Acq: 25 Sep 2024 15:47

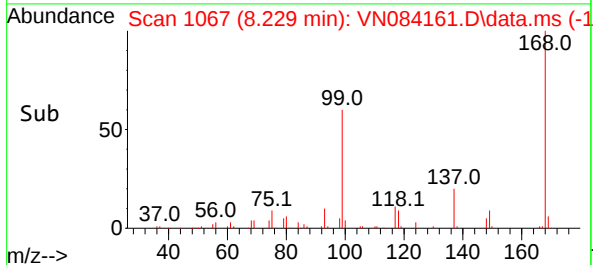
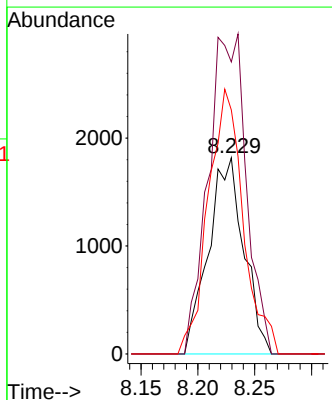
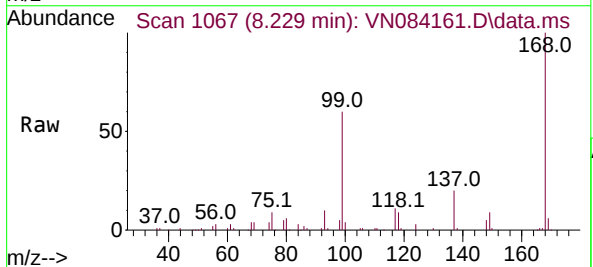
Instrument :
 MSVOA_N
 ClientSampleId :
 RE122D1-20240916DL

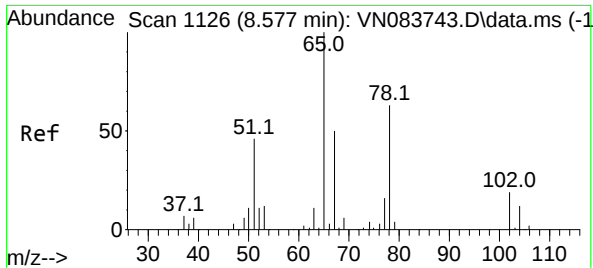
Tgt Ion: 96 Resp: 825
 Ion Ratio Lower Upper
 96 100
 61 115.2 0.0 306.2
 98 21.5 0.0 128.6



#31
 Cyclohexane
 Concen: 1.149 ug/l
 RT: 8.229 min Scan# 1067
 Delta R.T. -0.024 min
 Lab File: VN084161.D
 Acq: 25 Sep 2024 15:47

Tgt Ion: 56 Resp: 3942
 Ion Ratio Lower Upper
 56 100
 69 148.9 26.9 40.3#
 84 124.4 69.2 103.8#





#33

1,2-Dichloroethane-d4

Concen: 49.318 ug/l

RT: 8.576 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN084161.D

Acq: 25 Sep 2024 15:47

Instrument :

MSVOA_N

ClientSampleId :

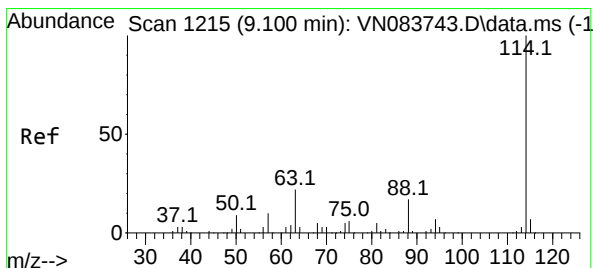
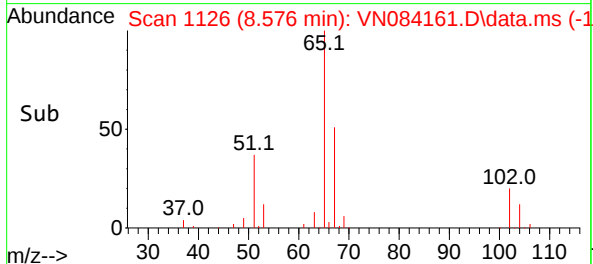
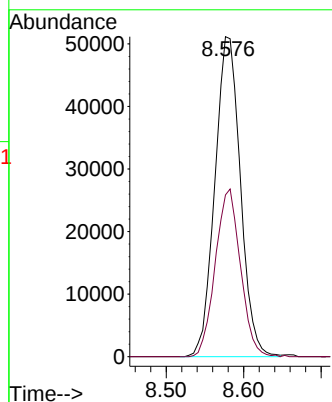
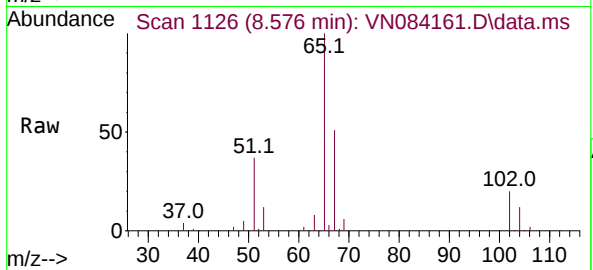
RE122D1-20240916DL

Tgt Ion: 65 Resp: 117067

Ion Ratio Lower Upper

65 100

67 51.6 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: VN084161.D

Acq: 25 Sep 2024 15:47

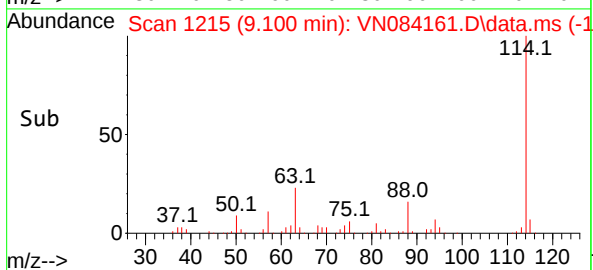
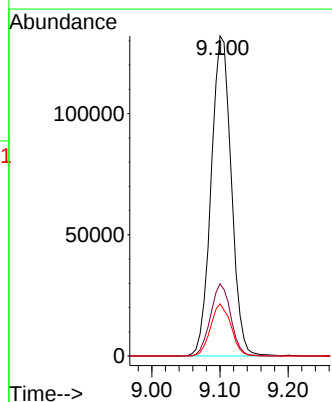
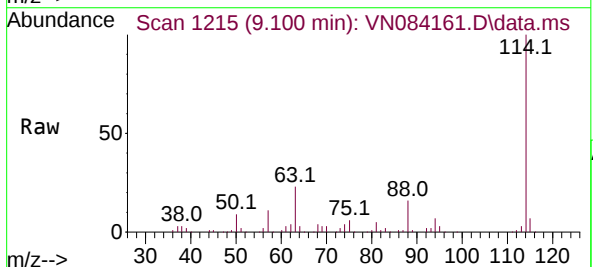
Tgt Ion: 114 Resp: 271963

Ion Ratio Lower Upper

114 100

63 22.5 0.0 43.4

88 16.3 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.279 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN084161.D

Acq: 25 Sep 2024 15:47

Instrument :

MSVOA_N

ClientSampleId :

RE122D1-20240916DL

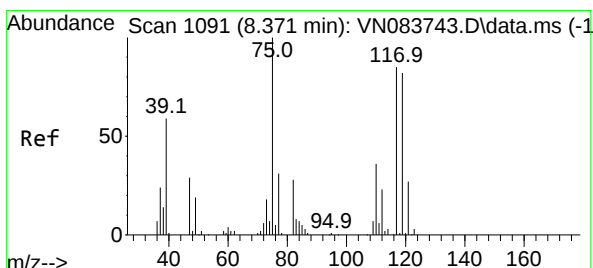
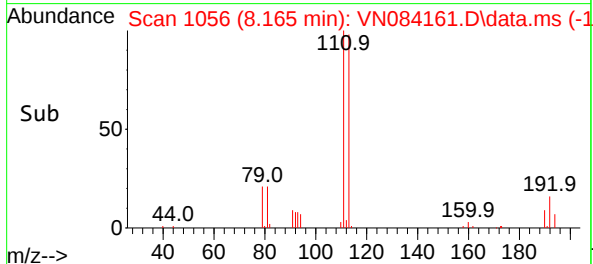
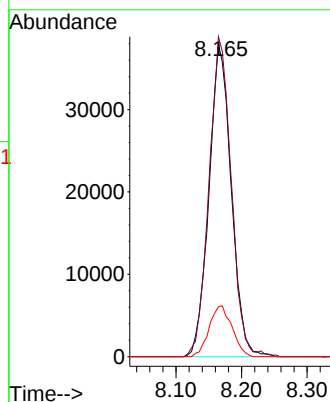
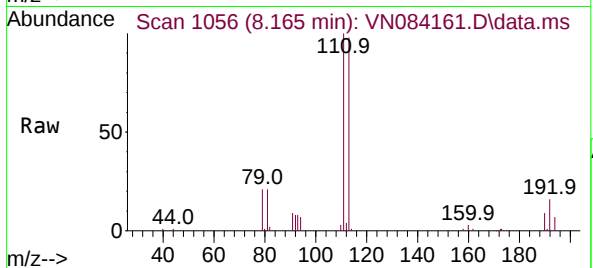
Tgt Ion:113 Resp: 89280

Ion Ratio Lower Upper

113 100

111 102.4 82.6 124.0

192 16.8 14.3 21.5



#36

1,1-Dichloropropene

Concen: 5.529 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN084161.D

Acq: 25 Sep 2024 15:47

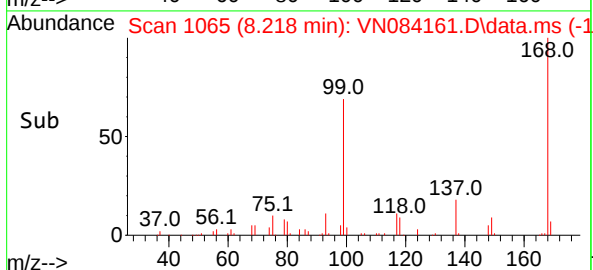
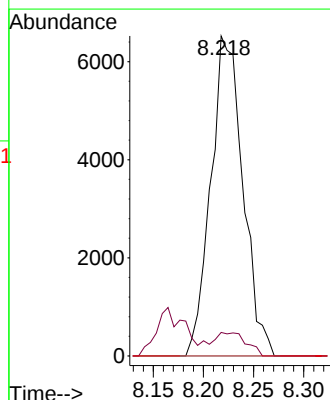
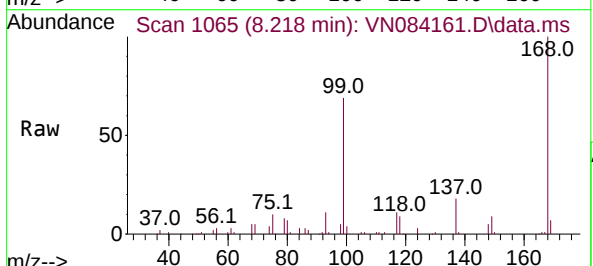
Tgt Ion: 75 Resp: 14489

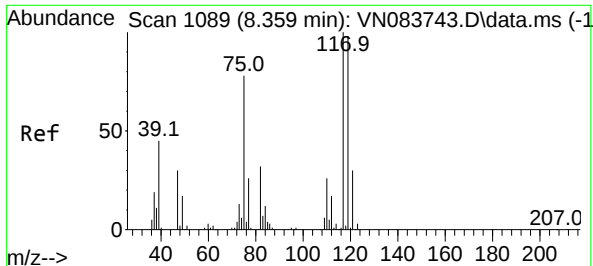
Ion Ratio Lower Upper

75 100

110 6.9 16.7 50.1#

77 0.0 25.2 37.8#

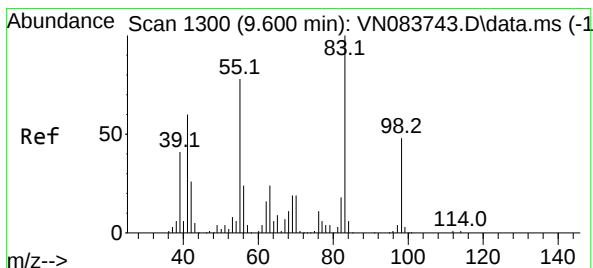
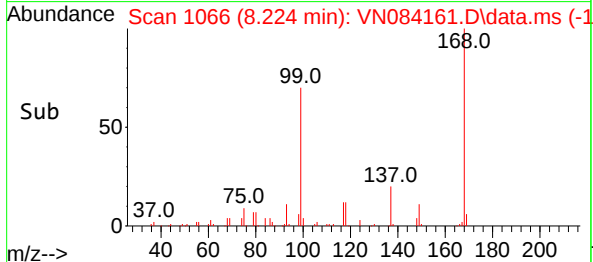
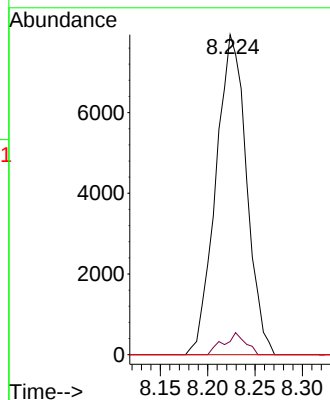
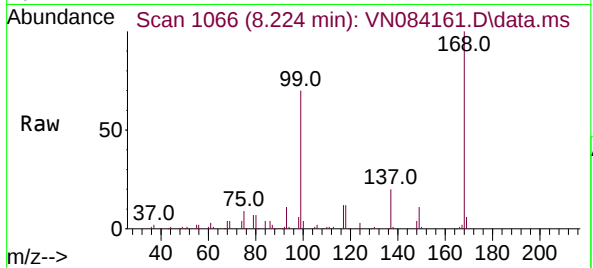




#38
Carbon Tetrachloride
Concen: 6.013 ug/l
RT: 8.224 min Scan# 117
Delta R.T. -0.135 min
Lab File: VN084161.D
Acq: 25 Sep 2024 15:47

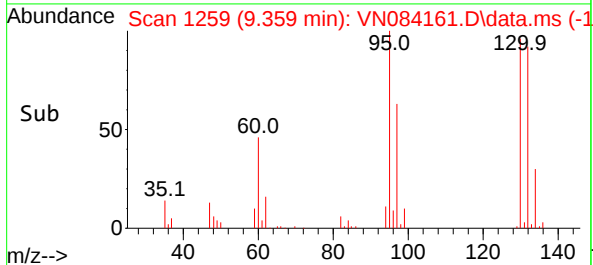
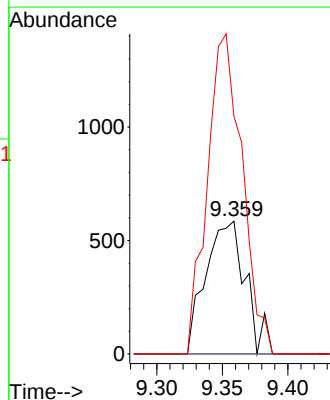
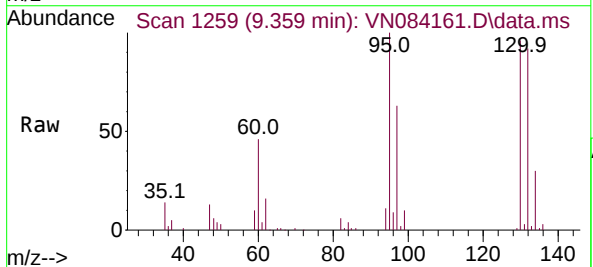
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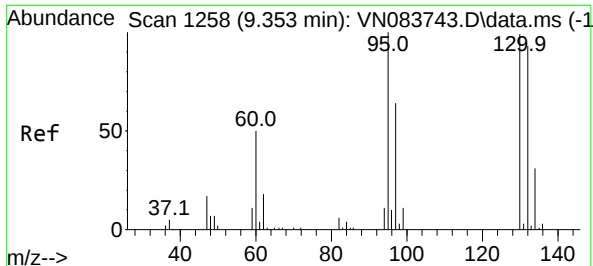
Tgt Ion:117 Resp: 17877
Ion Ratio Lower Upper
117 100
119 4.1 76.1 114.1#
121 0.0 24.1 36.1#



#39
Methylcyclohexane
Concen: 0.415 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.241 min
Lab File: VN084161.D
Acq: 25 Sep 2024 15:47

Tgt Ion: 83 Resp: 1238
Ion Ratio Lower Upper
83 100
55 0.0 62.2 93.4#
98 179.0 37.6 56.4#

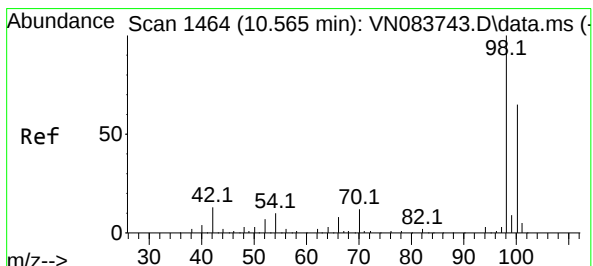
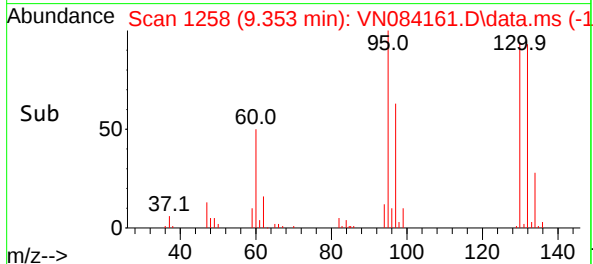
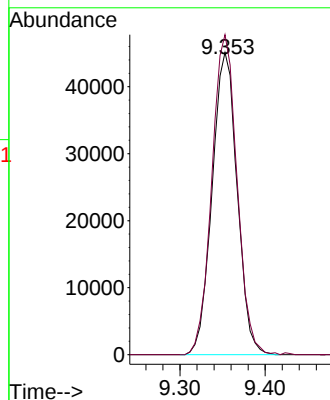
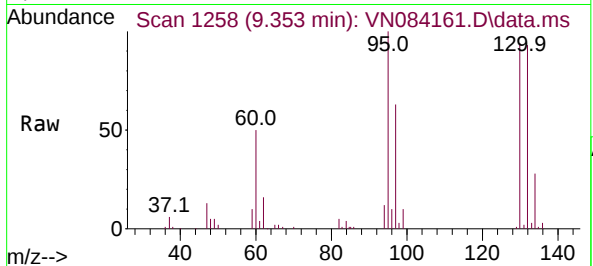




#44
Trichloroethene
Concen: 50.322 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. -0.000 min
Lab File: VN084161.D
Acq: 25 Sep 2024 15:47

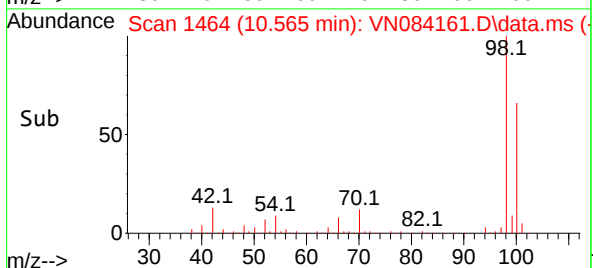
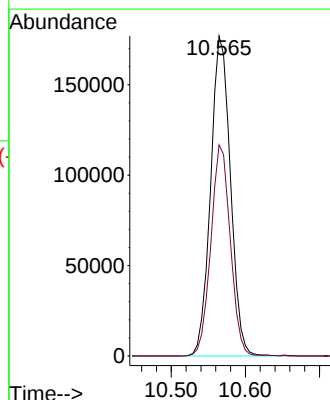
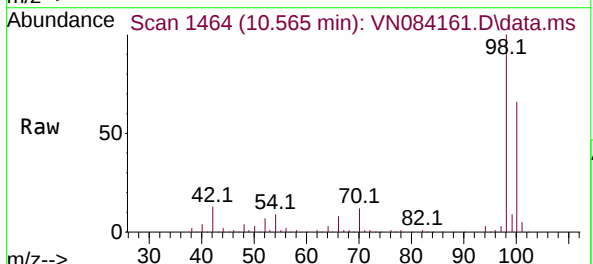
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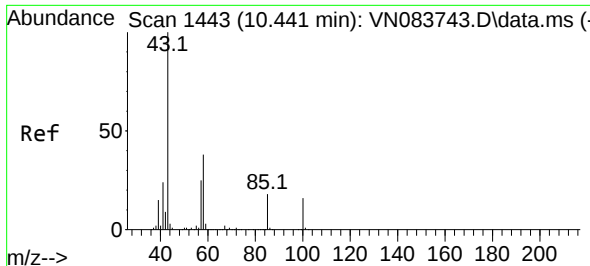
Tgt Ion:130 Resp: 91915
Ion Ratio Lower Upper
130 100
95 105.9 0.0 200.4



#50
Toluene-d8
Concen: 54.550 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084161.D
Acq: 25 Sep 2024 15:47

Tgt Ion: 98 Resp: 328335
Ion Ratio Lower Upper
98 100
100 64.8 52.0 78.0

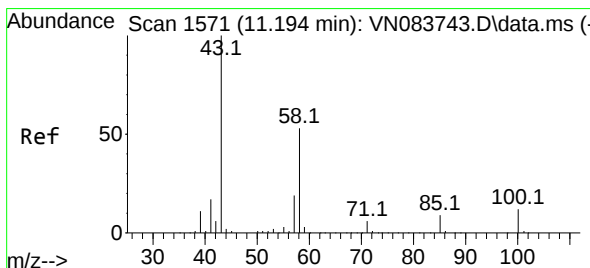
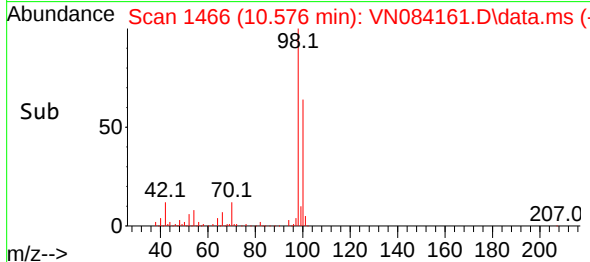
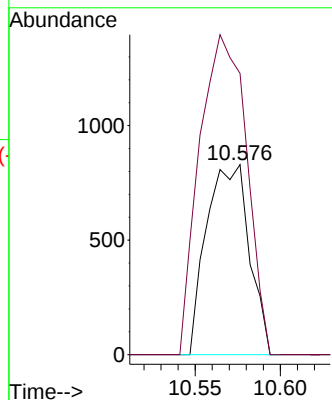
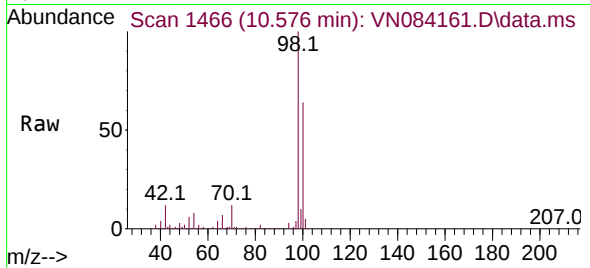




#51
4-Methyl-2-Pentanone
Concen: 0.617 ug/l
RT: 10.576 min Scan# 1443
Delta R.T. 0.135 min
Lab File: VN084161.D
Acq: 25 Sep 2024 15:47

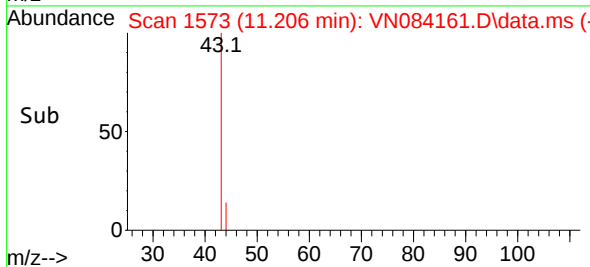
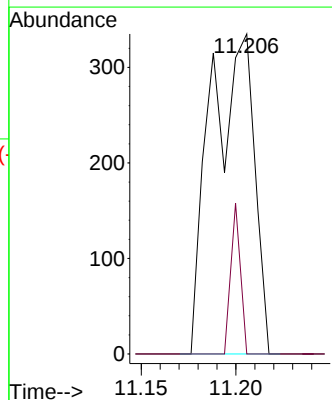
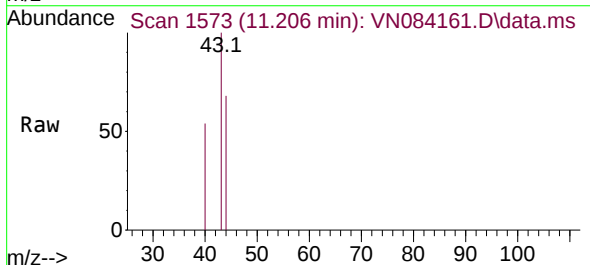
Instrument :
MSVOA_N
ClientSampleId :
RE122D1-20240916DL

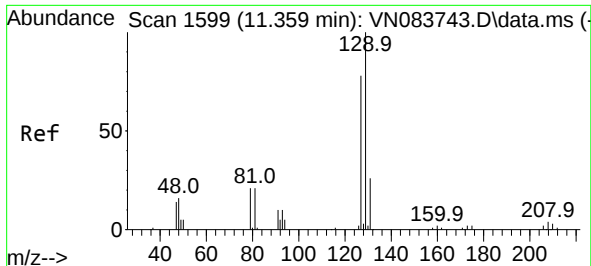
Tgt Ion: 43 Resp: 1448
Ion Ratio Lower Upper
43 100
58 184.6 31.6 47.4#



#59
2-Hexanone
Concen: 0.305 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.012 min
Lab File: VN084161.D
Acq: 25 Sep 2024 15:47

Tgt Ion: 43 Resp: 530
Ion Ratio Lower Upper
43 100
58 10.6 27.2 81.5#

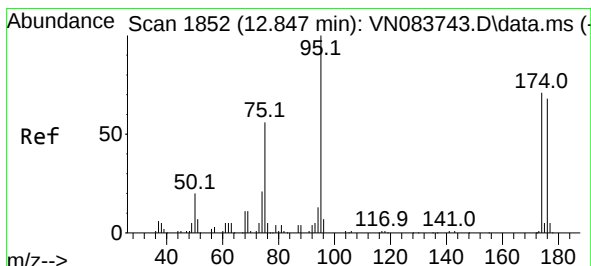
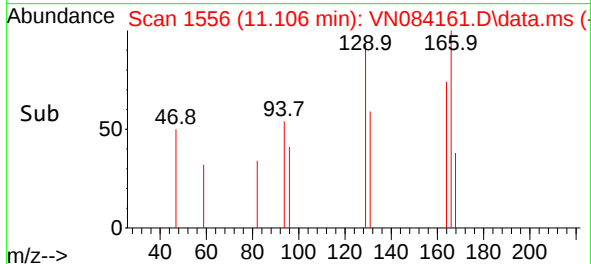
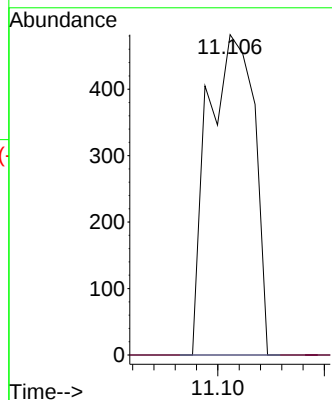
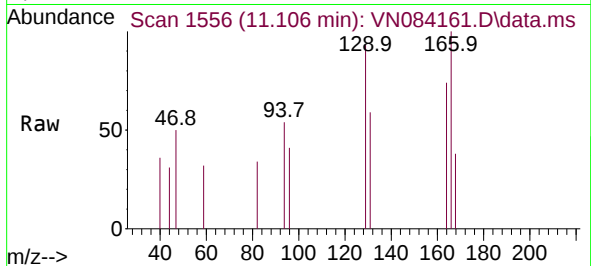




#60
Dibromochloromethane
Concen: 0.362 ug/l
RT: 11.106 min Scan# 11
Delta R.T. -0.253 min
Lab File: VN084161.D
Acq: 25 Sep 2024 15:47

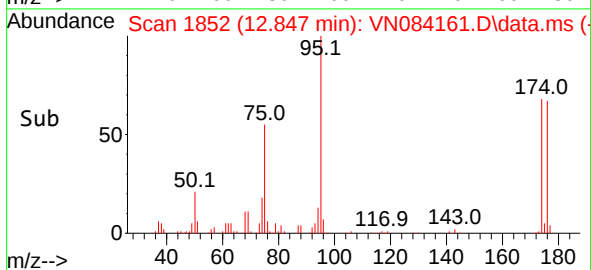
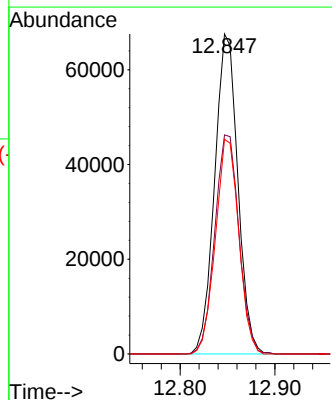
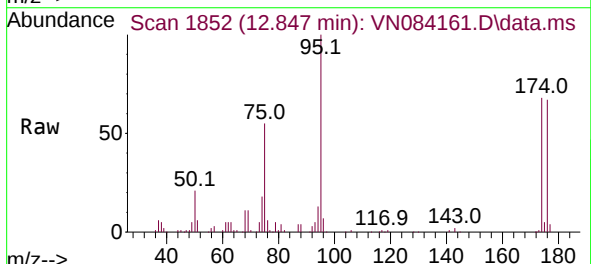
Instrument :
MSVOA_N
ClientSampleId :
RE122D1-20240916DL

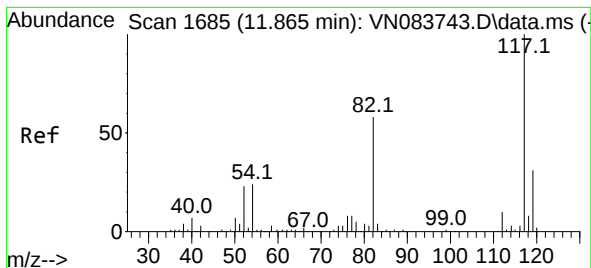
Tgt Ion:129 Resp: 729
Ion Ratio Lower Upper
129 100
127 0.0 39.0 116.9#



#62
4-Bromofluorobenzene
Concen: 46.279 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084161.D
Acq: 25 Sep 2024 15:47

Tgt Ion: 95 Resp: 114923
Ion Ratio Lower Upper
95 100
174 71.5 0.0 139.8
176 67.7 0.0 131.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.864 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN084161.D

Acq: 25 Sep 2024 15:47

Instrument :

MSVOA_N

ClientSampleId :

RE122D1-20240916DL

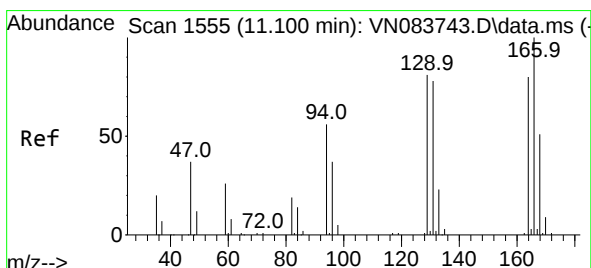
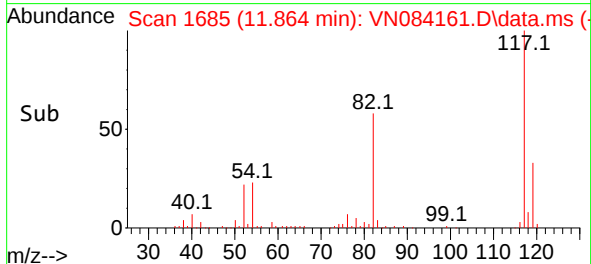
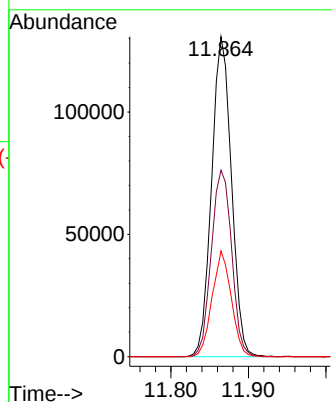
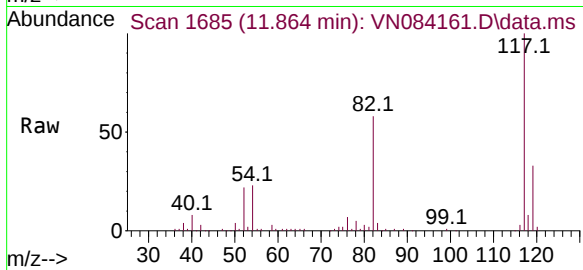
Tgt Ion:117 Resp: 232453

Ion Ratio Lower Upper

117 100

82 58.2 47.4 71.0

119 33.0 26.3 39.5



#64

Tetrachloroethene

Concen: 0.411 ug/l

RT: 11.100 min Scan# 1555

Delta R.T. -0.000 min

Lab File: VN084161.D

Acq: 25 Sep 2024 15:47

Tgt Ion:164 Resp: 636

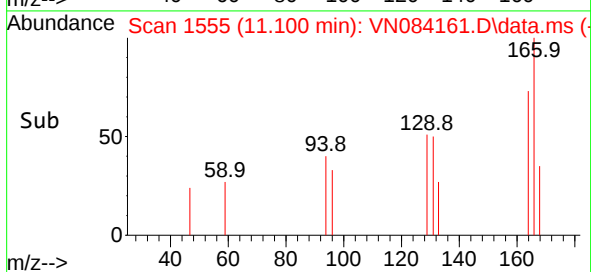
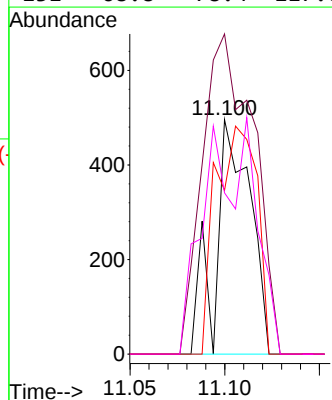
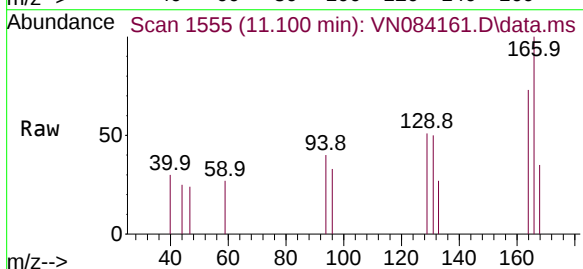
Ion Ratio Lower Upper

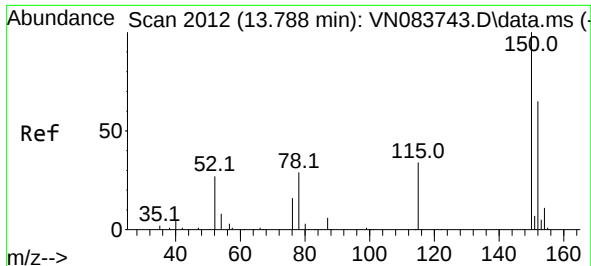
164 100

166 136.5 103.7 155.5

129 69.8 79.9 119.9#

131 68.8 78.4 117.6#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. 0.006 min

Lab File: VN084161.D

Acq: 25 Sep 2024 15:47

Instrument :

MSVOA_N

ClientSampleId :

RE122D1-20240916DL

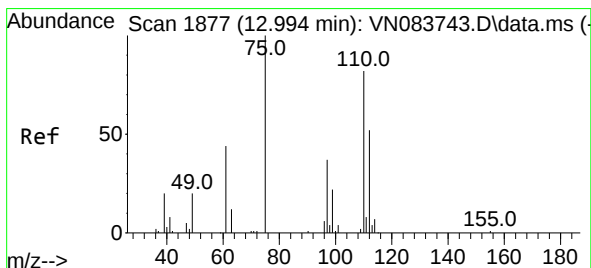
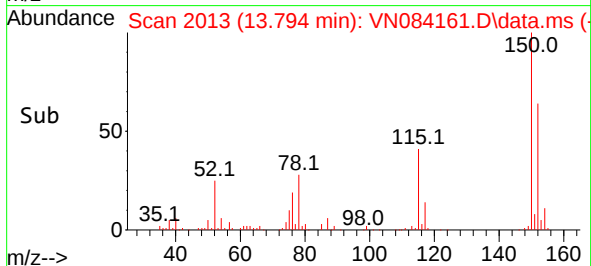
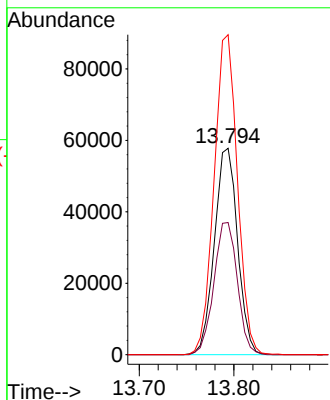
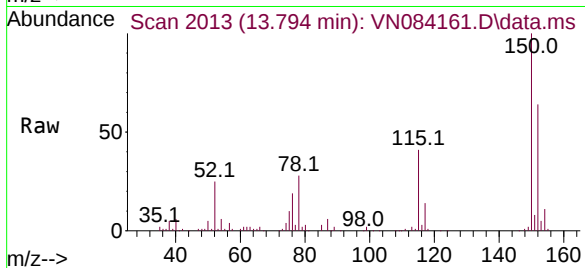
Tgt Ion:152 Resp: 98511

Ion Ratio Lower Upper

152 100

115 64.7 32.2 96.6

150 155.7 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 31.755 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN084161.D

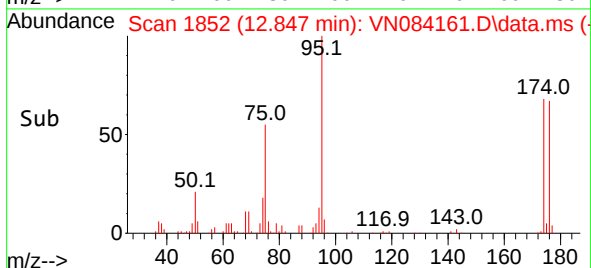
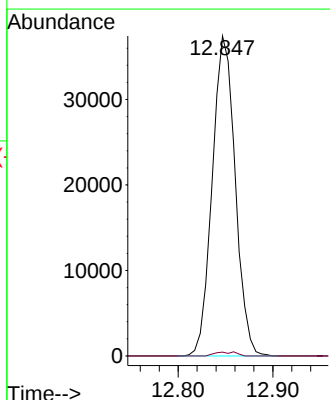
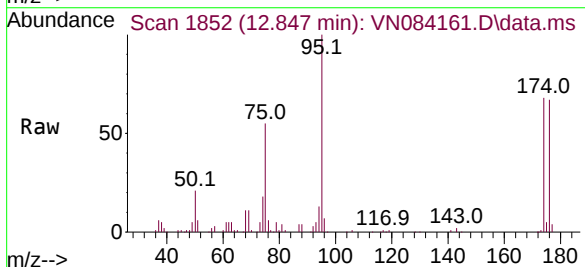
Acq: 25 Sep 2024 15:47

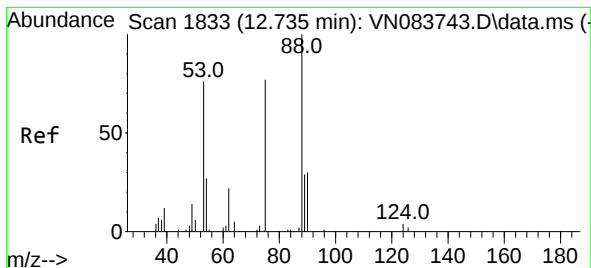
Tgt Ion: 75 Resp: 63121

Ion Ratio Lower Upper

75 100

77 1.1 95.2 285.6#

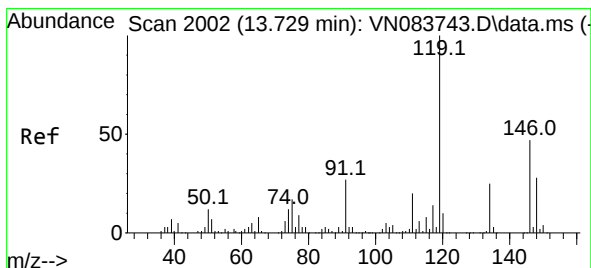
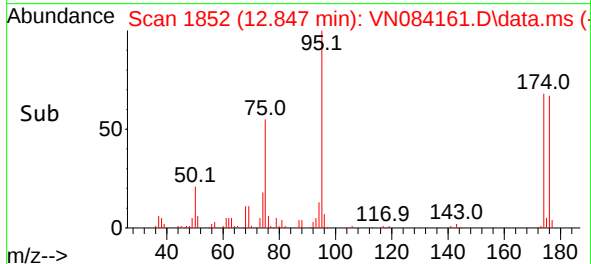
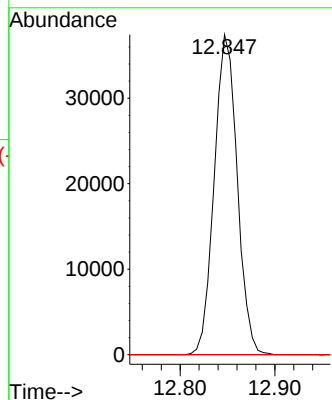
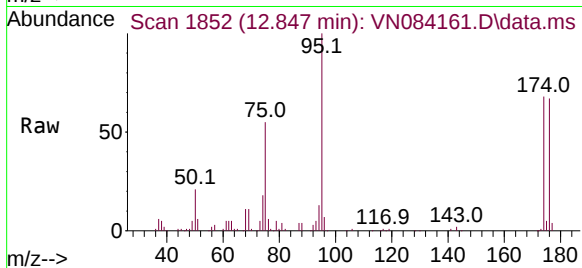




#81
trans-1,4-Dichloro-2-butene
Concen: 83.168 ug/l
RT: 12.847 min Scan# 1833
Delta R.T. 0.112 min
Lab File: VN084161.D
Acq: 25 Sep 2024 15:47

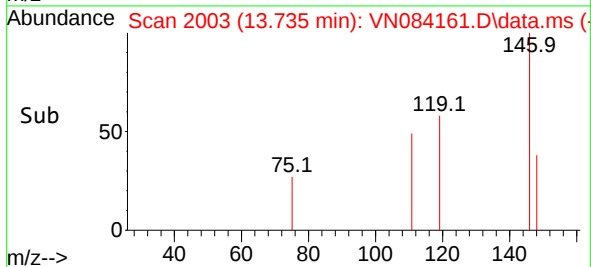
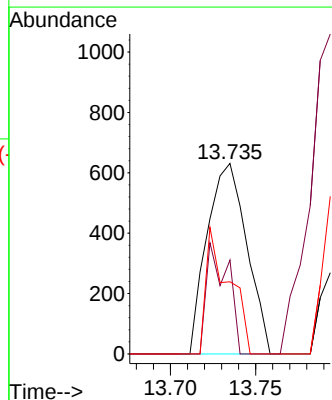
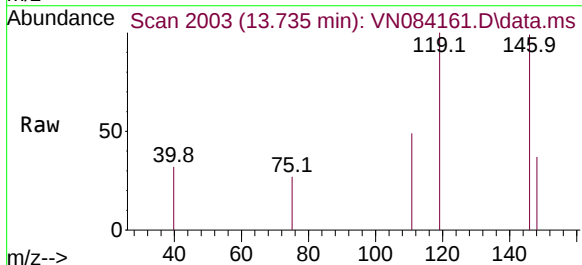
Instrument :
MSVOA_N
ClientSampleId :
RE122D1-20240916DL

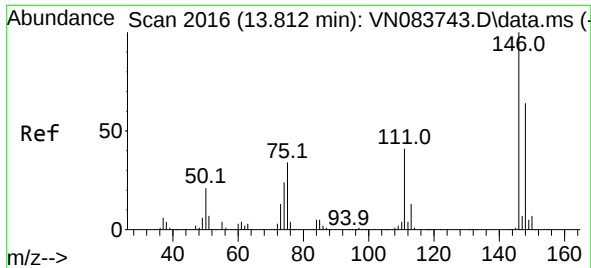
Tgt Ion: 75 Resp: 63121
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#



#87
1,3-Dichlorobenzene
Concen: 0.295 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. 0.006 min
Lab File: VN084161.D
Acq: 25 Sep 2024 15:47

Tgt Ion:146 Resp: 1023
Ion Ratio Lower Upper
146 100
111 31.2 21.7 65.1
148 38.4 31.7 95.1

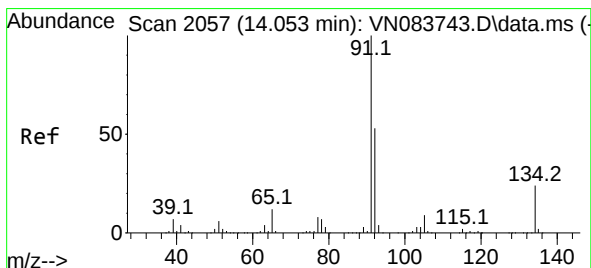
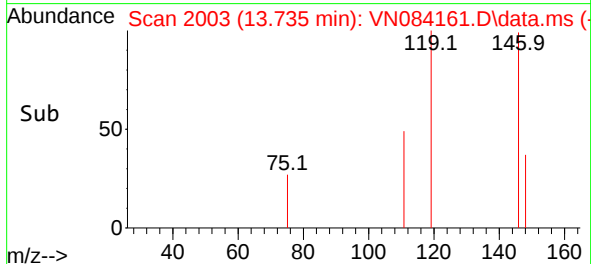
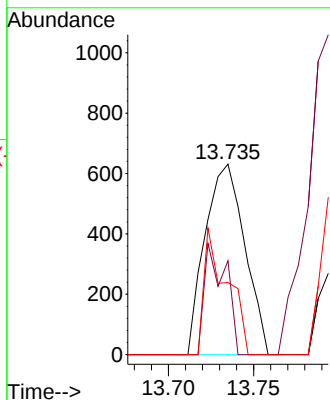
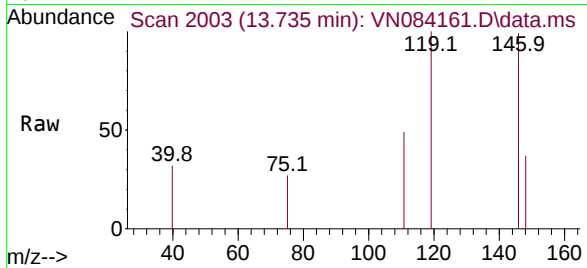




#88
1,4-Dichlorobenzene
Concen: 0.292 ug/l
RT: 13.735 min Scan# 2016
Delta R.T. -0.077 min
Lab File: VN084161.D
Acq: 25 Sep 2024 15:47

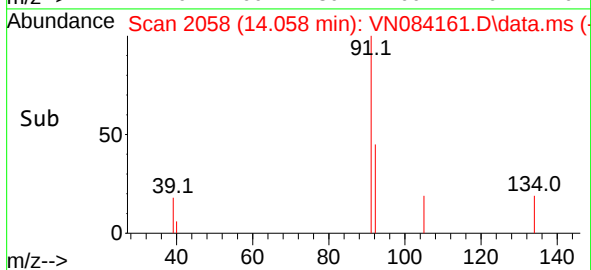
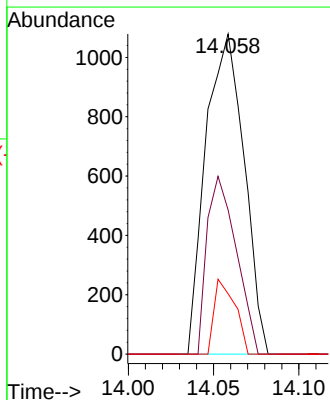
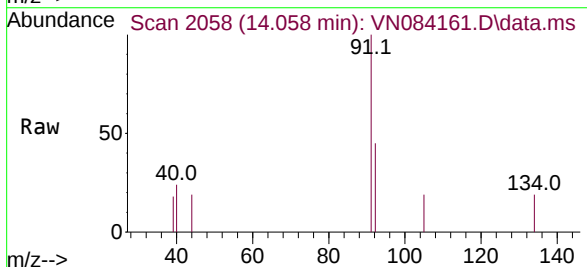
Instrument :
MSVOA_N
ClientSampleId :
RE122D1-20240916DL

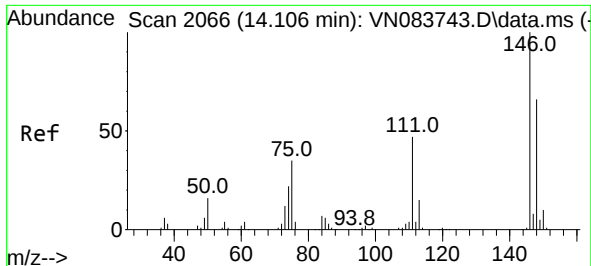
Tgt Ion:	146	Resp:	1023
Ion	Ratio	Lower	Upper
146	100		
111	31.2	21.3	64.0
148	38.4	32.0	96.2



#89
n-Butylbenzene
Concen: 0.301 ug/l
RT: 14.058 min Scan# 2058
Delta R.T. 0.006 min
Lab File: VN084161.D
Acq: 25 Sep 2024 15:47

Tgt Ion:	91	Resp:	1687
Ion	Ratio	Lower	Upper
91	100		
92	42.4	26.7	80.1
134	12.7	12.2	36.4





#91

1,2-Dichlorobenzene

Concen: 0.209 ug/l

RT: 14.111 min Scan# 2066

Delta R.T. 0.006 min

Lab File: VN084161.D

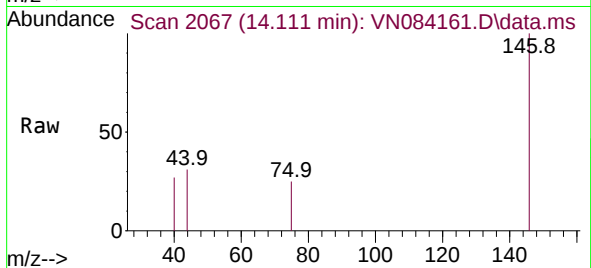
Acq: 25 Sep 2024 15:47

Instrument :

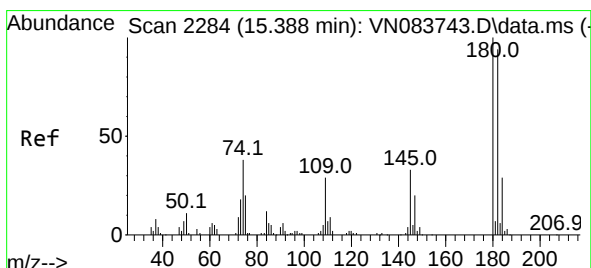
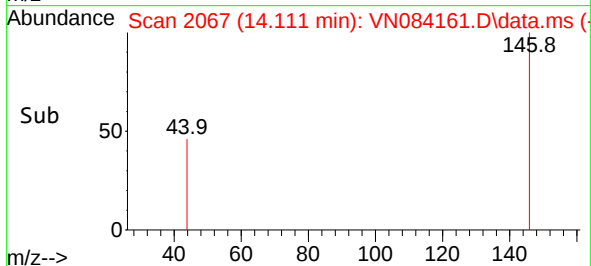
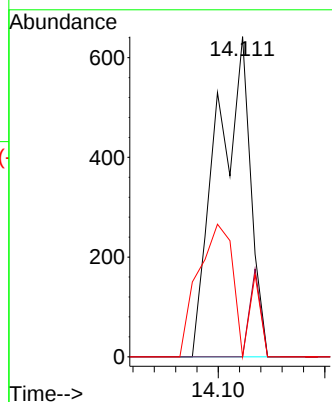
MSVOA_N

ClientSampleId :

RE122D1-20240916DL



Tgt Ion:	146	Resp:	699
Ion	Ratio	Lower	Upper
146	100		
111	8.9	22.8	68.3#
148	50.9	32.1	96.5



#93

1,2,4-Trichlorobenzene

Concen: 0.577 ug/l

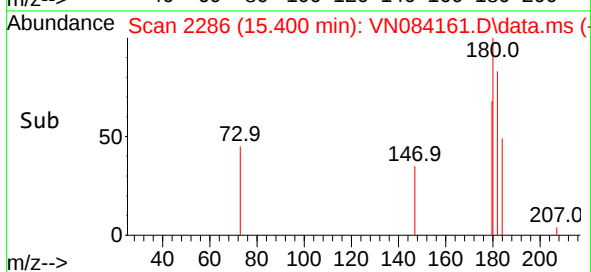
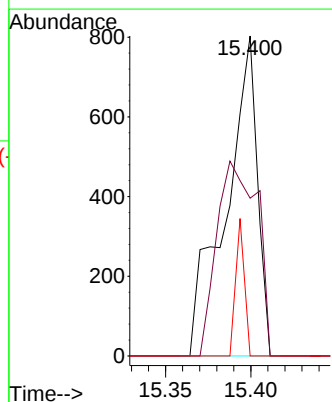
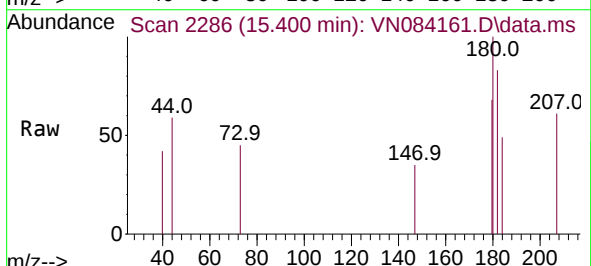
RT: 15.400 min Scan# 2286

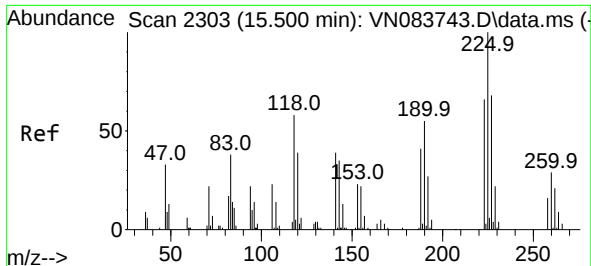
Delta R.T. 0.012 min

Lab File: VN084161.D

Acq: 25 Sep 2024 15:47

Tgt Ion:	180	Resp:	1035
Ion	Ratio	Lower	Upper
180	100		
182	77.9	48.1	144.3
145	11.8	16.9	50.7#

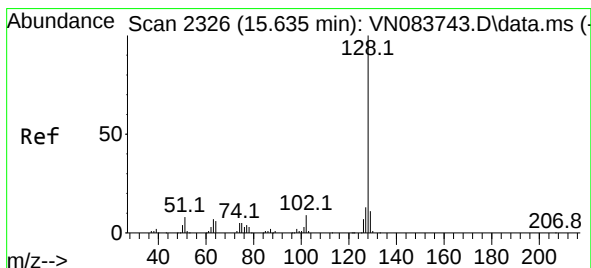
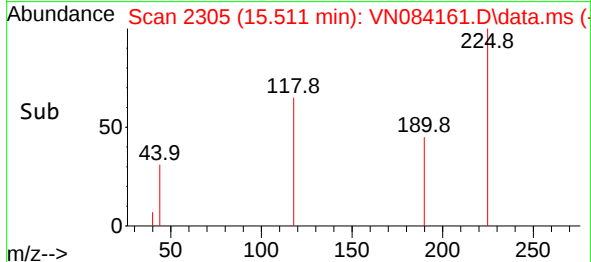
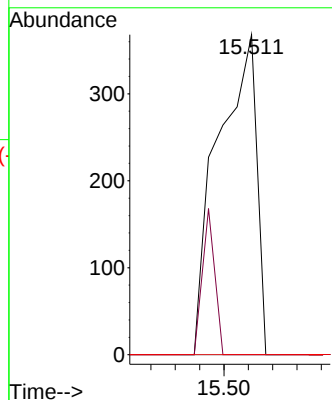
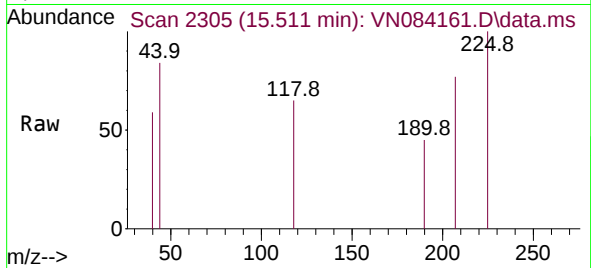




#94
Hexachlorobutadiene
Concen: 0.531 ug/l
RT: 15.511 min Scan# 21
Delta R.T. 0.012 min
Lab File: VN084161.D
Acq: 25 Sep 2024 15:47

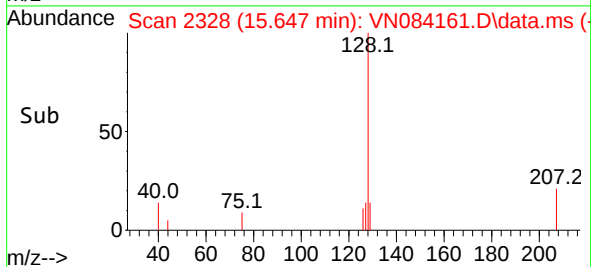
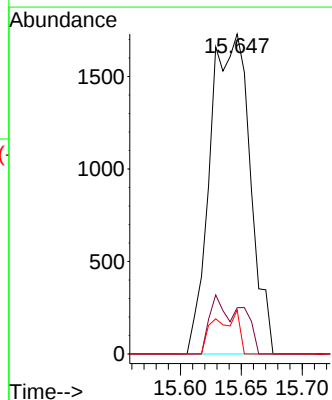
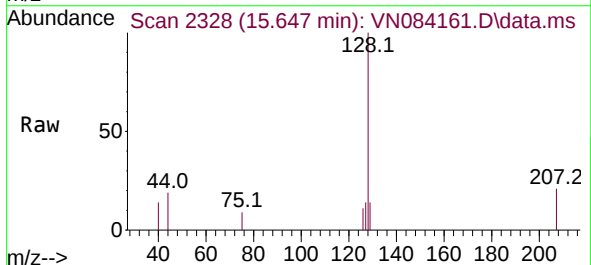
Instrument :
MSVOA_N
ClientSampleId :
RE122D1-20240916DL

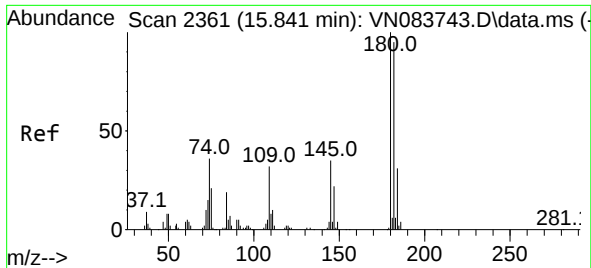
Tgt Ion:225 Resp: 404
Ion Ratio Lower Upper
225 100
223 14.6 31.9 95.5#
227 0.0 32.0 96.2#



#95
Naphthalene
Concen: 0.721 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.012 min
Lab File: VN084161.D
Acq: 25 Sep 2024 15:47

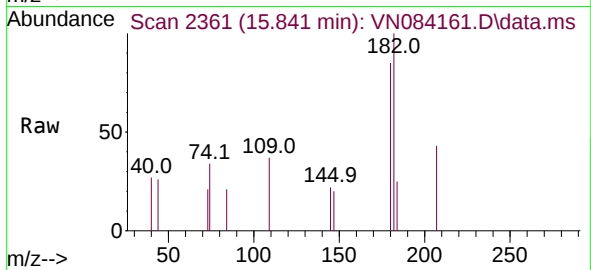
Tgt Ion:128 Resp: 3934
Ion Ratio Lower Upper
128 100
127 8.2 10.2 15.2#
129 8.0 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.666 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN084161.D
 Acq: 25 Sep 2024 15:47

Instrument :
 MSVOA_N
 ClientSampleId :
 RE122D1-20240916DL



Tgt Ion:	180	Resp:	1141
Ion	Ratio	Lower	Upper
180	100		
182	112.5	47.1	141.4
145	29.8	17.8	53.5

