

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041624\
 Data File : VN081748.D
 Acq On : 16 Apr 2024 10:41
 Operator : JC\MD
 Sample : VN0416WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 17 03:20:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041524W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 15:37:39 2024
 Response via : Initial Calibration

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

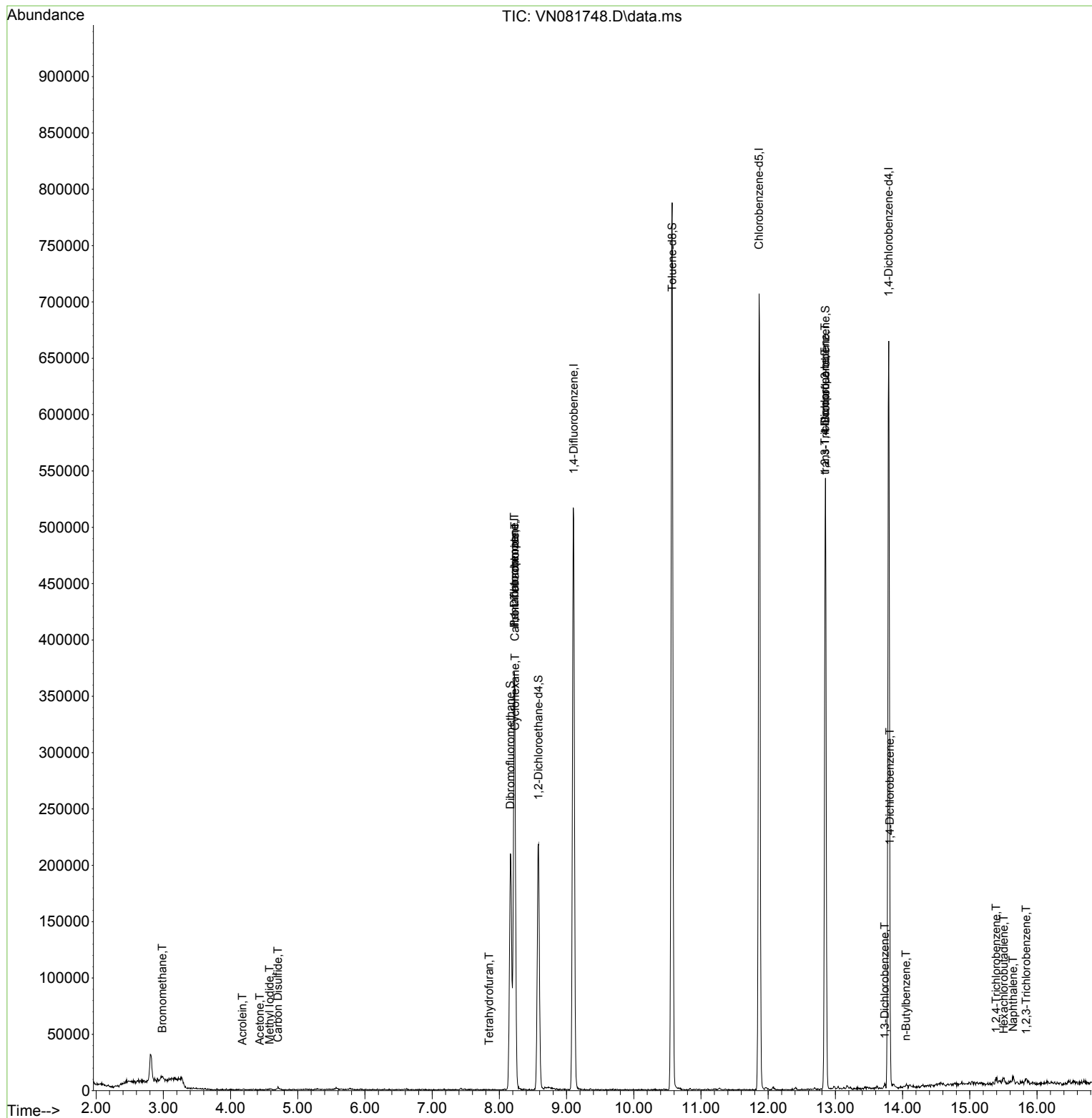
Internal Standards						
1) Pentafluorobenzene	8.224	168	262002	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	456255	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	415108	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	177504	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	181797	49.310	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.620%
35) Dibromofluoromethane	8.165	113	149217	49.527	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.060%
50) Toluene-d8	10.571	98	552856	49.810	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.620%
62) 4-Bromofluorobenzene	12.853	95	188797	49.776	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	99.560%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	966	Below Cal	#	43
5) Bromomethane	2.983	94	1836	0.748	ug/l	99
6) Chloroethane	3.130	64	209	Below Cal	#	44
10) Methyl Iodide	4.583	142	868	0.492	ug/l	# 72
13) Acrolein	4.177	56	342	0.640	ug/l	97
16) Acetone	4.436	43	212	0.207	ug/l	# 43
17) Carbon Disulfide	4.706	76	4524	0.500	ug/l	97
20) Methylene Chloride	5.283	84	544	Below Cal	#	11
29) Tetrahydrofuran	7.847	42	230	0.210	ug/l	# 29
31) Cyclohexane	8.236	56	6057	1.198	ug/l	# 57
36) 1,1-Dichloropropene	8.224	75	22604	5.385	ug/l	# 50
38) Carbon Tetrachloride	8.230	117	27940	5.721	ug/l	# 17
76) 1,2,3-Trichloropropane	12.847	75	100759	29.668	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.847	75	100759	69.456	ug/l	# 13
87) 1,3-Dichlorobenzene	13.735	146	1472	0.232	ug/l	# 59
88) 1,4-Dichlorobenzene	13.812	146	1515	0.234	ug/l	# 26
89) n-Butylbenzene	14.053	91	2094	0.220	ug/l	86
93) 1,2,4-Trichlorobenzene	15.394	180	1799	0.556	ug/l	86
94) Hexachlorobutadiene	15.506	225	1001	0.718	ug/l	# 58
95) Naphthalene	15.647	128	5765	0.558	ug/l	# 93
96) 1,2,3-Trichlorobenzene	15.841	180	2123	0.642	ug/l	82

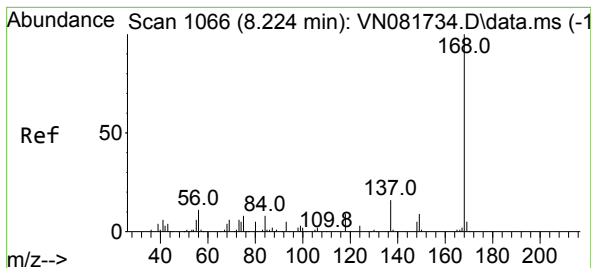
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041524W.M
Quant Title : SW846 8260
QLast Update : Mon Apr 15 15:37:39 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 10

Delta R.T. -0.000 min

Lab File: VN081748.D

Acq: 16 Apr 2024 10:41

Instrument :

MSVOA_N

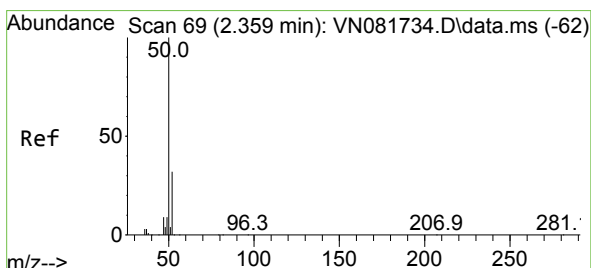
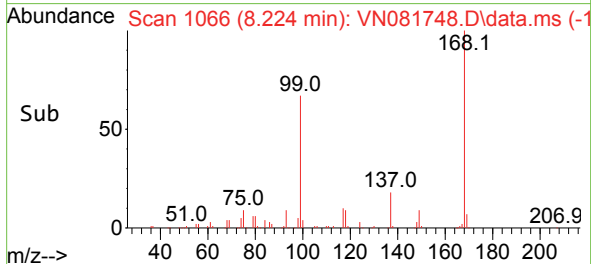
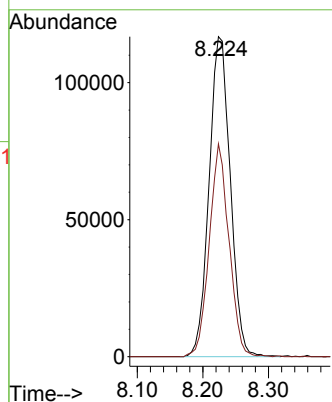
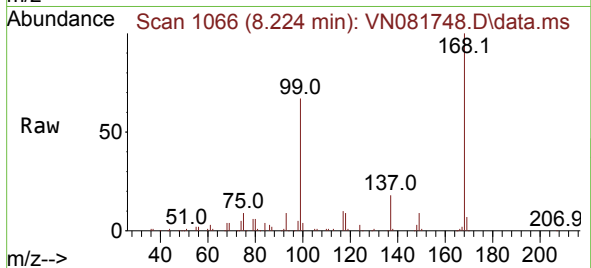
ClientSampleId :

Tgt Ion:168 Resp: 262002

Ion Ratio Lower Upper

168 100

99 66.5 48.2 72.4



#3

Chloromethane

Concen: Below Cal

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN081748.D

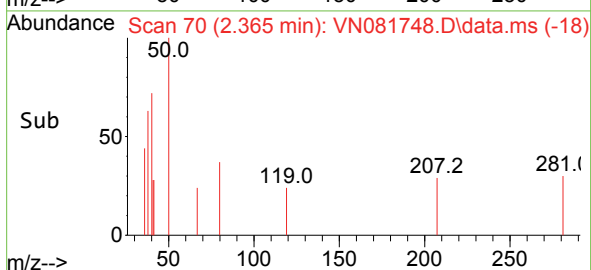
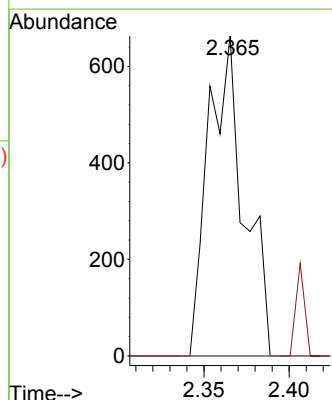
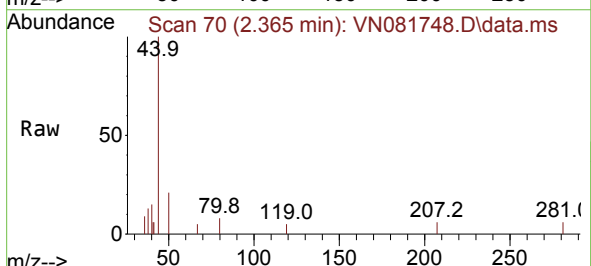
Acq: 16 Apr 2024 10:41

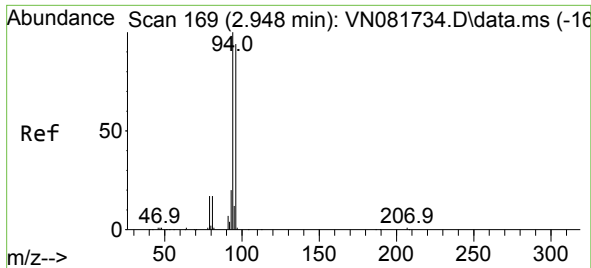
Tgt Ion: 50 Resp: 966

Ion Ratio Lower Upper

50 100

52 0.0 25.5 38.3#

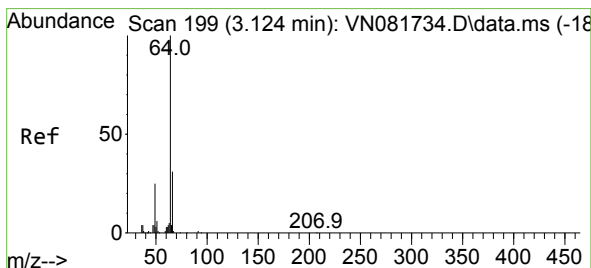
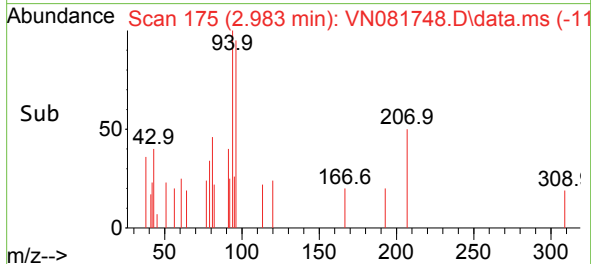
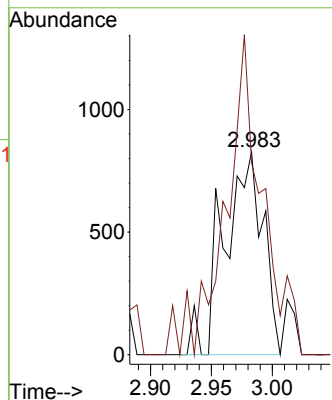
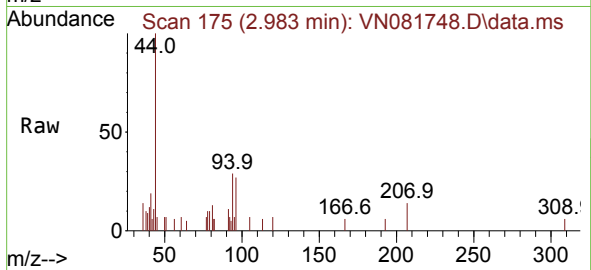




#5
Bromomethane
Concen: 0.748 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN081748.D
Acq: 16 Apr 2024 10:41

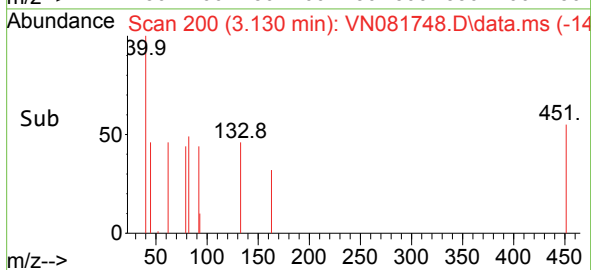
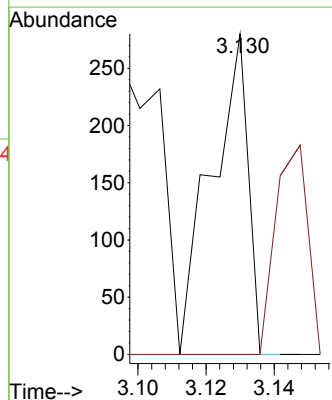
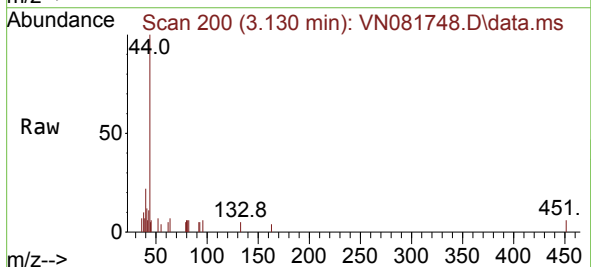
Instrument :
MSVOA_N
ClientSampleId :

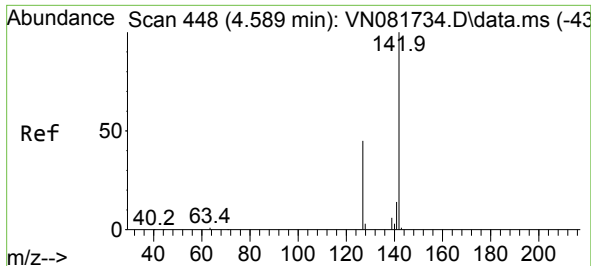
Tgt Ion: 94 Resp: 1836
Ion Ratio Lower Upper
94 100
96 94.7 74.8 112.2



#6
Chloroethane
Concen: Below Cal
RT: 3.130 min Scan# 200
Delta R.T. 0.006 min
Lab File: VN081748.D
Acq: 16 Apr 2024 10:41

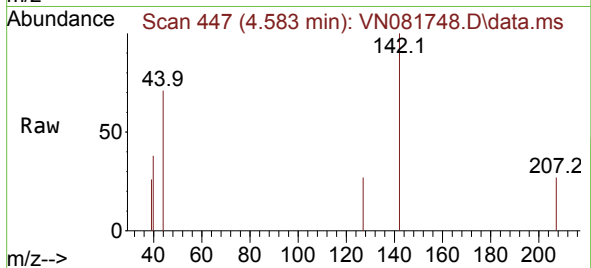
Tgt Ion: 64 Resp: 209
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



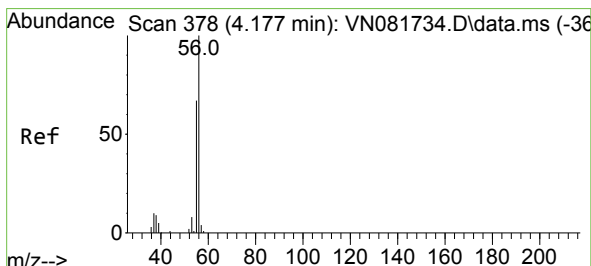
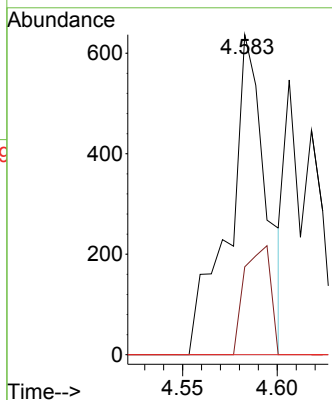
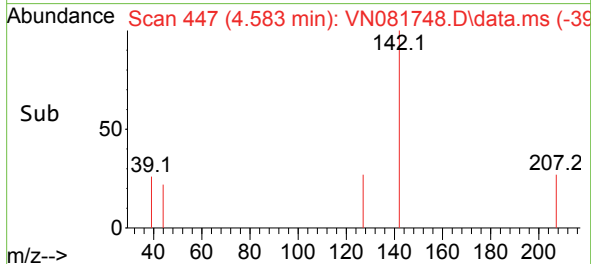


#10
Methyl Iodide
Concen: 0.492 ug/l
RT: 4.583 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN081748.D
Acq: 16 Apr 2024 10:41

Instrument :
MSVOA_N
ClientSampleId :

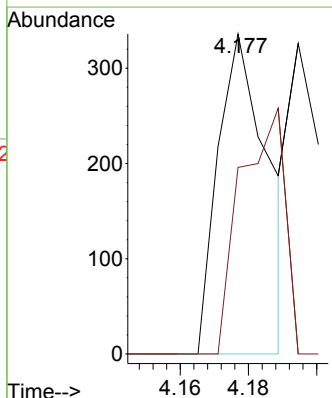
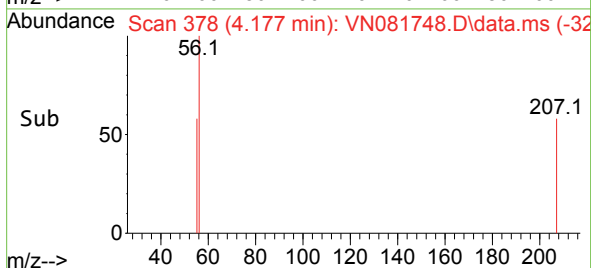
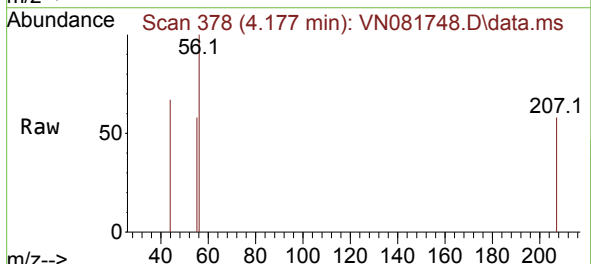


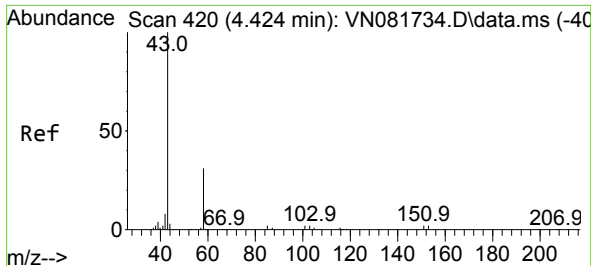
Tgt Ion:142 Resp: 868
Ion Ratio Lower Upper
142 100
127 27.5 35.8 53.6#
141 0.0 11.4 17.2#



#13
Acrolein
Concen: 0.640 ug/l
RT: 4.177 min Scan# 378
Delta R.T. -0.000 min
Lab File: VN081748.D
Acq: 16 Apr 2024 10:41

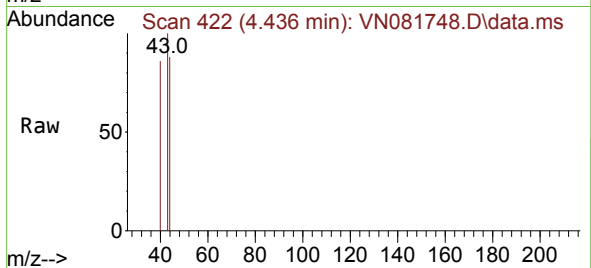
Tgt Ion: 56 Resp: 342
Ion Ratio Lower Upper
56 100
55 67.5 55.8 83.8



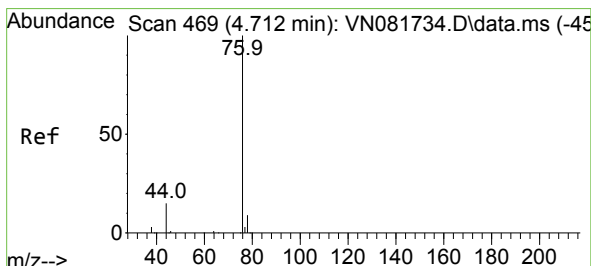
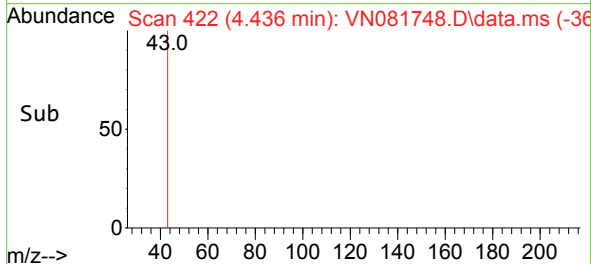
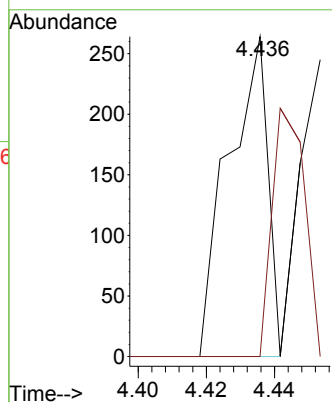


#16
Acetone
Concen: 0.207 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN081748.D
Acq: 16 Apr 2024 10:41

Instrument :
MSVOA_N
ClientSampleId :

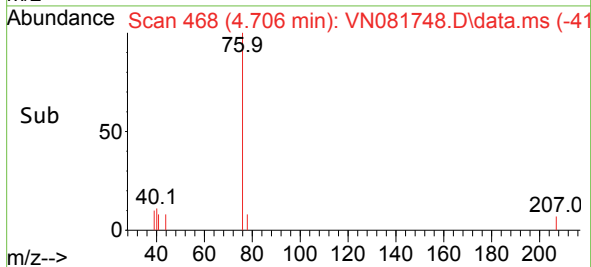
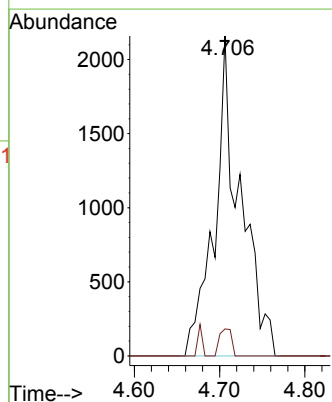
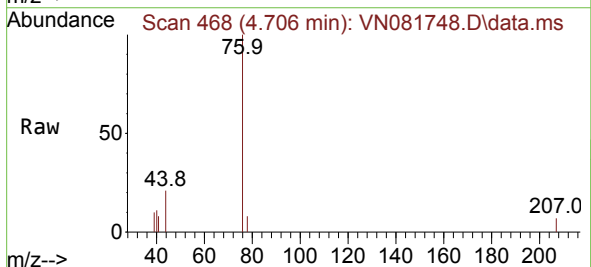


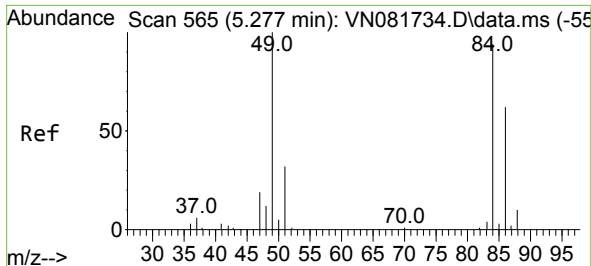
Tgt Ion: 43 Resp: 212
Ion Ratio Lower Upper
43 100
58 0.0 25.2 37.8#



#17
Carbon Disulfide
Concen: 0.500 ug/l
RT: 4.706 min Scan# 468
Delta R.T. -0.006 min
Lab File: VN081748.D
Acq: 16 Apr 2024 10:41

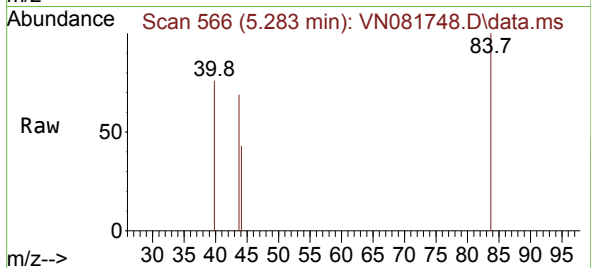
Tgt Ion: 76 Resp: 4524
Ion Ratio Lower Upper
76 100
78 8.4 7.5 11.3



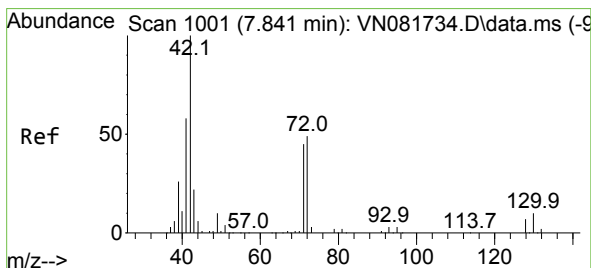
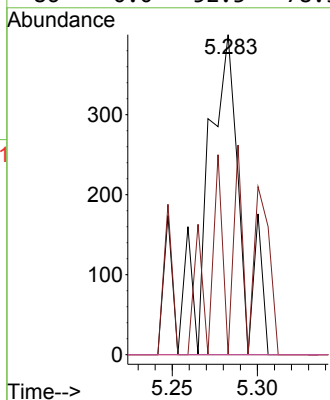


#20
Methylene Chloride
Concen: Below Cal
RT: 5.283 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN081748.D
Acq: 16 Apr 2024 10:41

Instrument :
MSVOA_N
ClientSampleId :

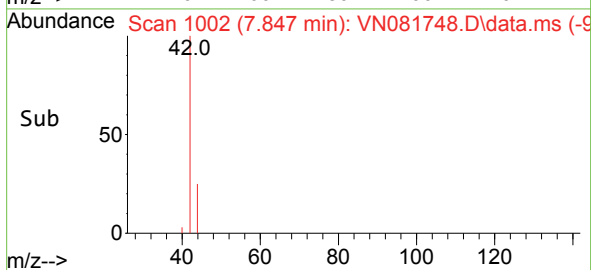
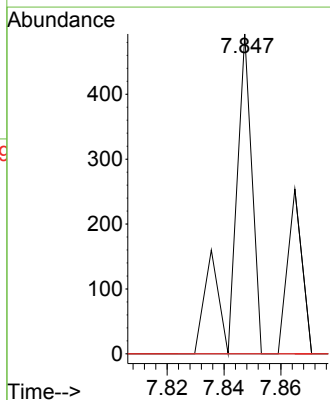
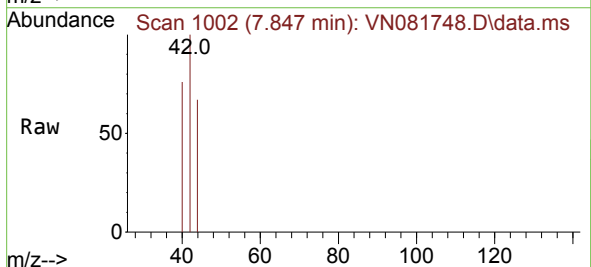


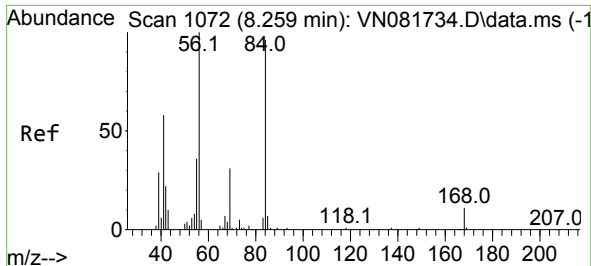
Tgt Ion: 84 Resp: 544
Ion Ratio Lower Upper
84 100
49 0.0 84.9 127.3#
51 0.0 27.0 40.6#
86 0.0 52.3 78.5#



#29
Tetrahydrofuran
Concen: 0.210 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.006 min
Lab File: VN081748.D
Acq: 16 Apr 2024 10:41

Tgt Ion: 42 Resp: 230
Ion Ratio Lower Upper
42 100
72 0.0 39.3 58.9#
71 0.0 37.4 56.0#





#31

Cyclohexane

Concen: 1.198 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.024 min

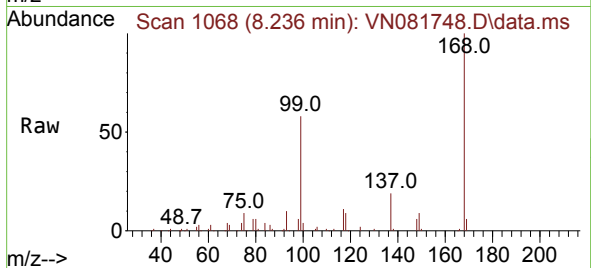
Lab File: VN081748.D

Acq: 16 Apr 2024 10:41

Instrument :

MSVOA_N

ClientSampleId :



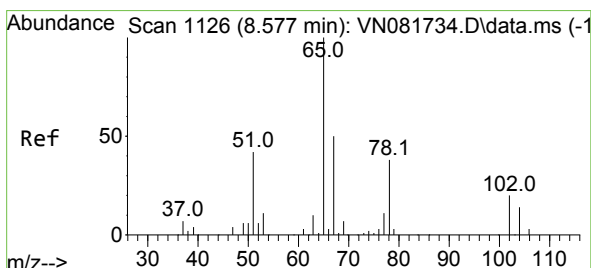
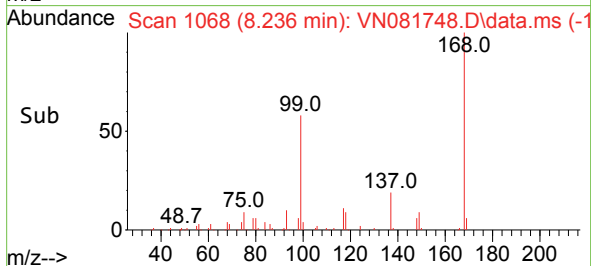
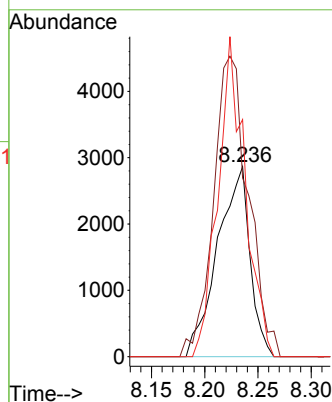
Tgt Ion: 56 Resp: 6057

Ion Ratio Lower Upper

56 100

69 89.2 24.4 36.6#

84 118.3 77.0 115.4#



#33

1,2-Dichloroethane-d4

Concen: 49.310 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN081748.D

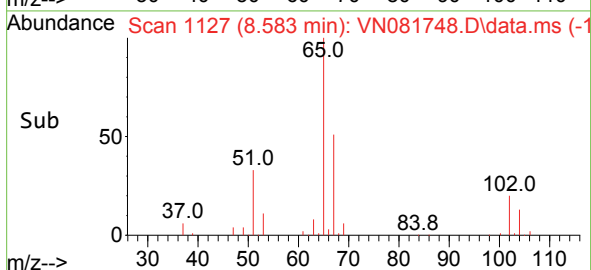
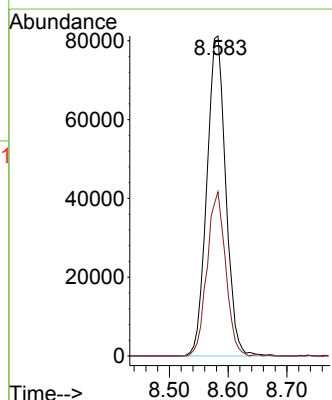
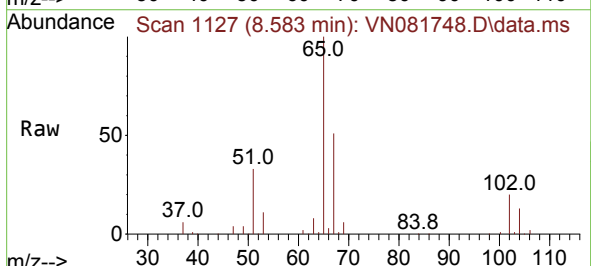
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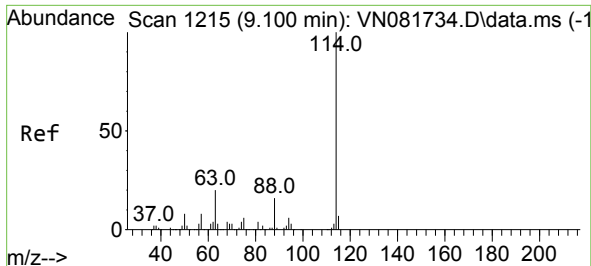
Tgt Ion: 65 Resp: 181797

Ion Ratio Lower Upper

65 100

67 50.4 0.0 103.0

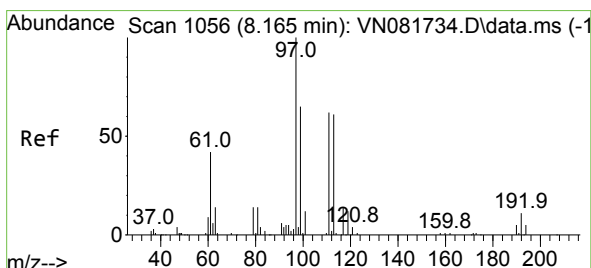
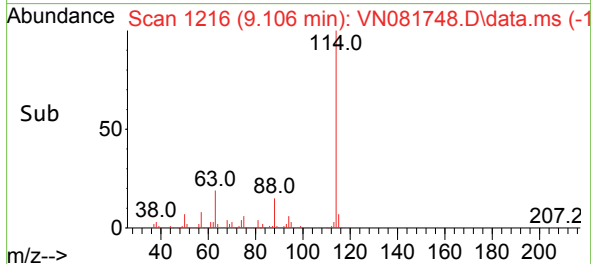
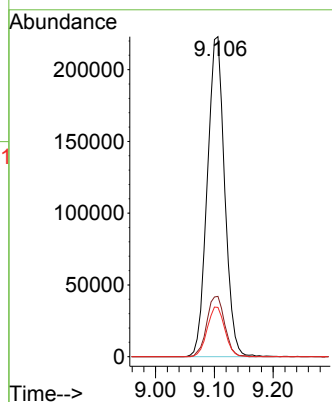
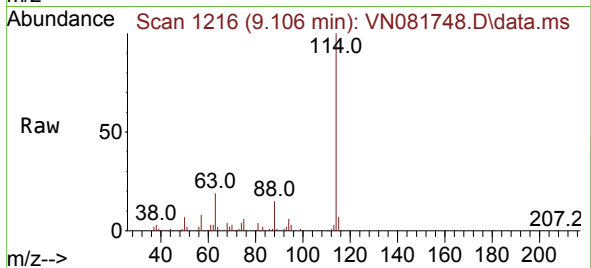




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 111
Delta R.T. 0.006 min
Lab File: VN081748.D
Acq: 16 Apr 2024 10:41

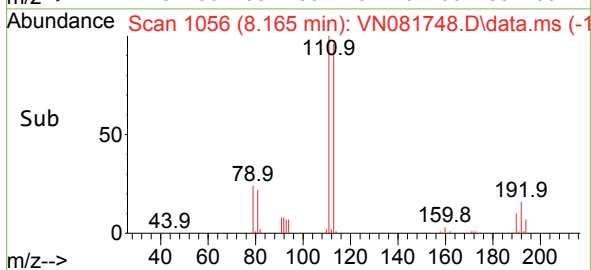
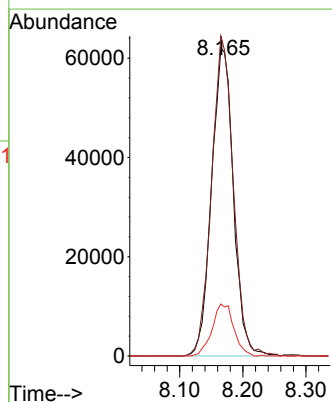
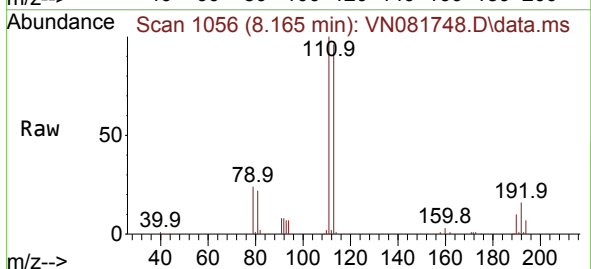
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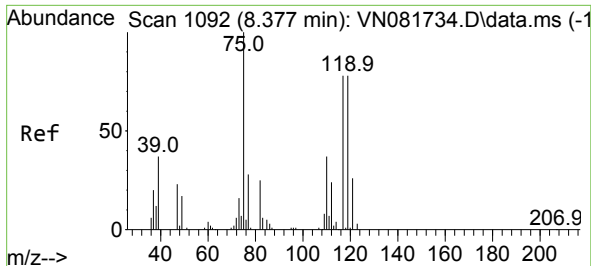
Tgt Ion:114 Resp: 456255
Ion Ratio Lower Upper
114 100
63 18.8 0.0 41.0
88 15.4 0.0 31.4



#35
Dibromofluoromethane
Concen: 49.527 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN081748.D
Acq: 16 Apr 2024 10:41

Tgt Ion:113 Resp: 149217
Ion Ratio Lower Upper
113 100
111 102.8 83.4 125.2
192 16.7 14.0 21.0





#36

1,1-Dichloropropene

Concen: 5.385 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

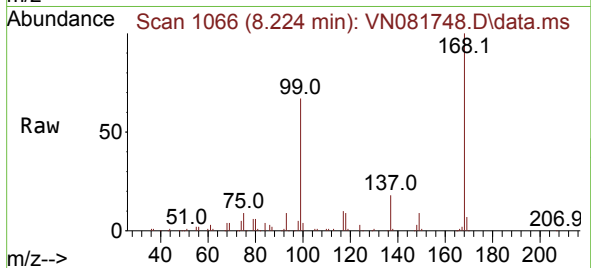
Lab File: VN081748.D

Acq: 16 Apr 2024 10:41

Instrument :

MSVOA_N

ClientSampleId :



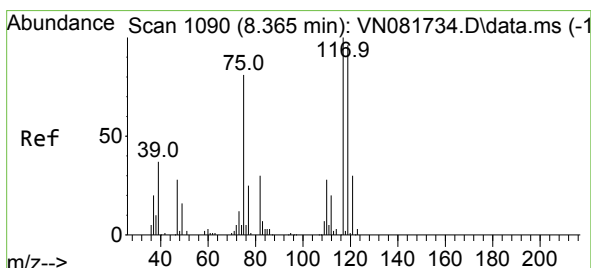
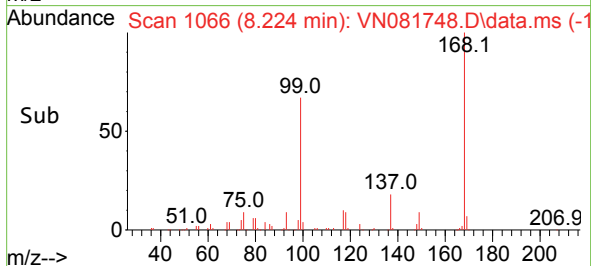
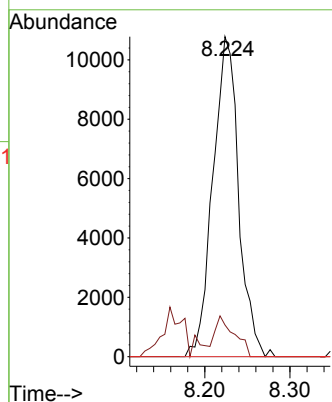
Tgt Ion: 75 Resp: 22604

Ion Ratio Lower Upper

75 100

110 9.5 17.8 53.5#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.721 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.135 min

Lab File: VN081748.D

Acq: 16 Apr 2024 10:41

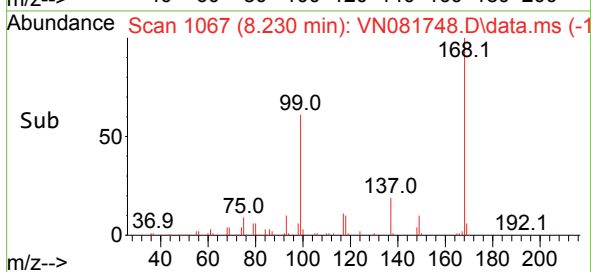
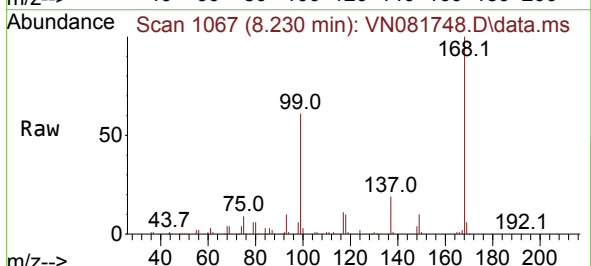
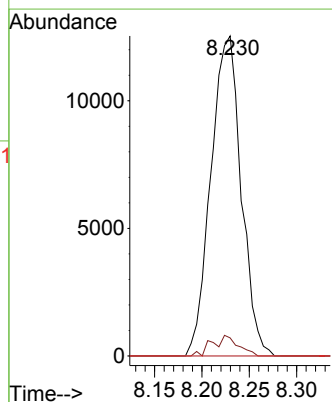
Tgt Ion: 117 Resp: 27940

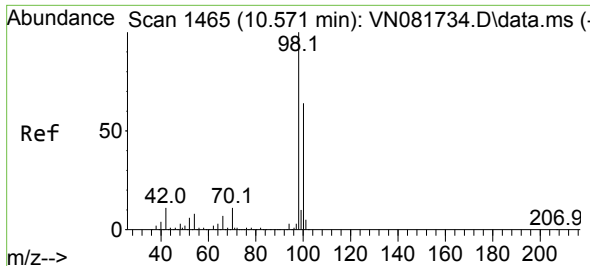
Ion Ratio Lower Upper

117 100

119 5.7 76.5 114.7#

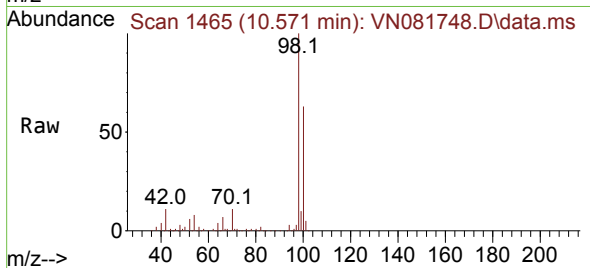
121 0.0 23.9 35.9#



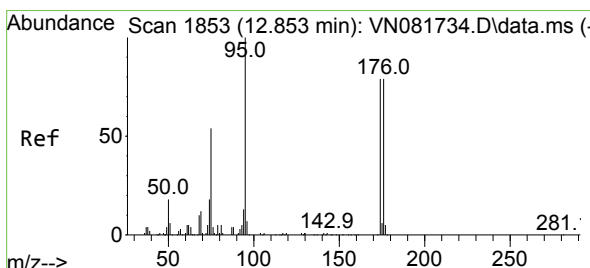
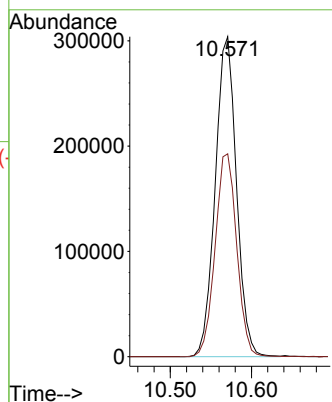
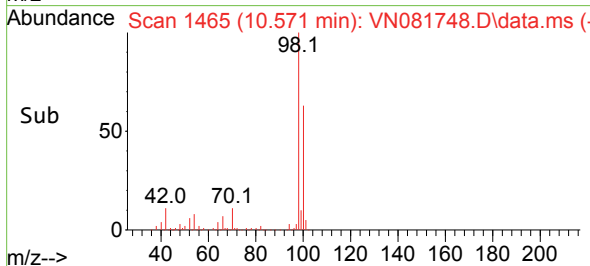


#50
Toluene-d8
Concen: 49.810 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN081748.D
Acq: 16 Apr 2024 10:41

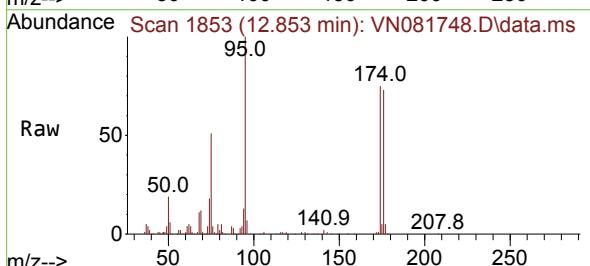
Instrument :
MSVOA_N
ClientSampleId :



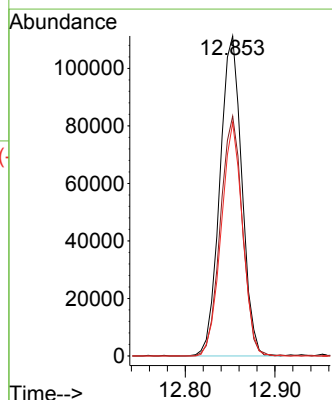
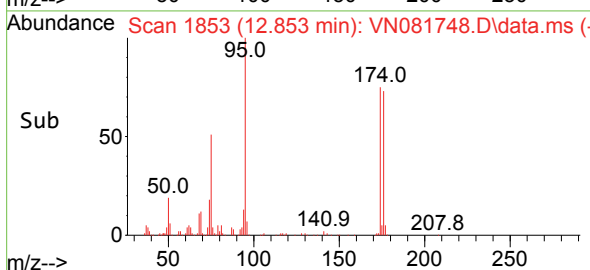
Tgt Ion: 98 Resp: 552856
Ion Ratio Lower Upper
98 100
100 64.4 51.8 77.6

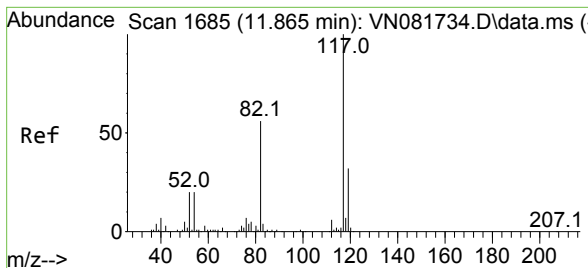


#62
4-Bromofluorobenzene
Concen: 49.776 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN081748.D
Acq: 16 Apr 2024 10:41



Tgt Ion: 95 Resp: 188797
Ion Ratio Lower Upper
95 100
174 75.0 0.0 160.6
176 70.9 0.0 152.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

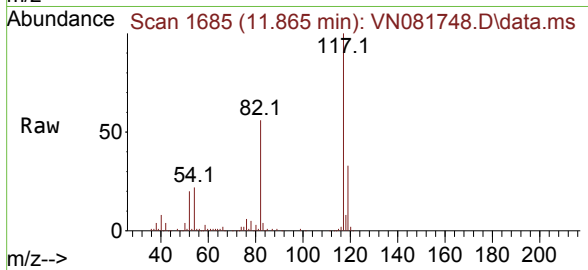
Lab File: VN081748.D

Acq: 16 Apr 2024 10:41

Instrument :

MSVOA_N

ClientSampleId :



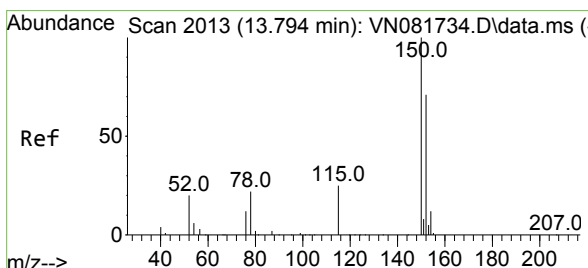
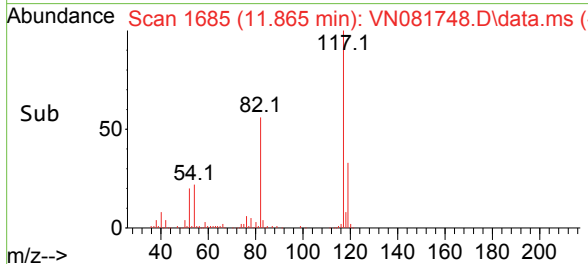
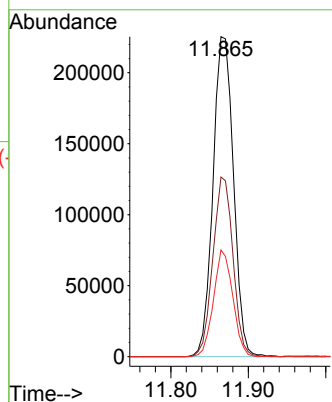
Tgt Ion:117 Resp: 415108

Ion Ratio Lower Upper

117 100

82 56.2 44.6 66.8

119 33.3 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN081748.D

Acq: 16 Apr 2024 10:41

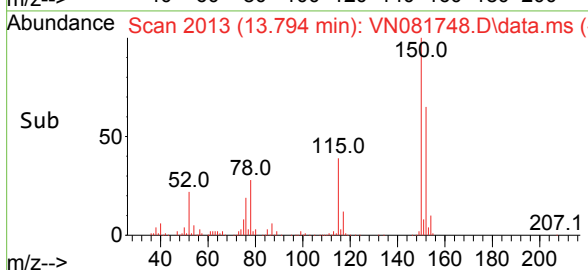
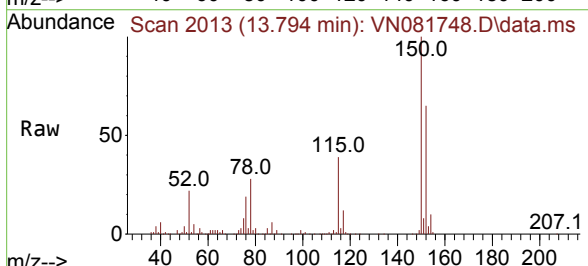
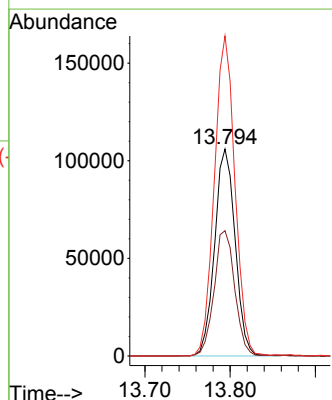
Tgt Ion:152 Resp: 177504

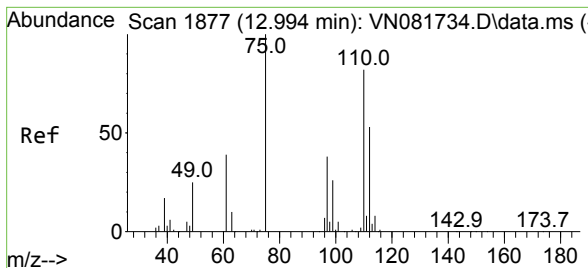
Ion Ratio Lower Upper

152 100

115 61.1 30.4 91.3

150 154.9 0.0 353.2





#76

1,2,3-Trichloropropane

Concen: 29.668 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

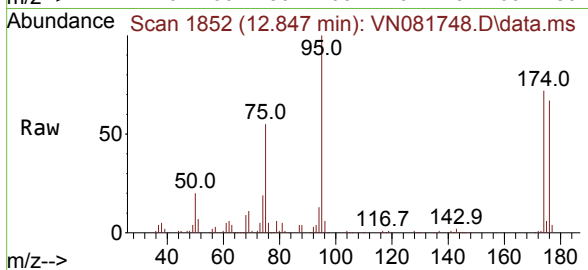
Lab File: VN081748.D

Acq: 16 Apr 2024 10:41

Instrument :

MSVOA_N

ClientSampleId :

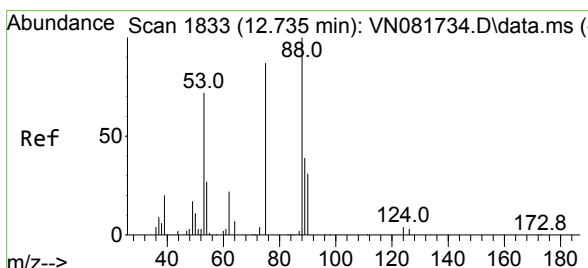
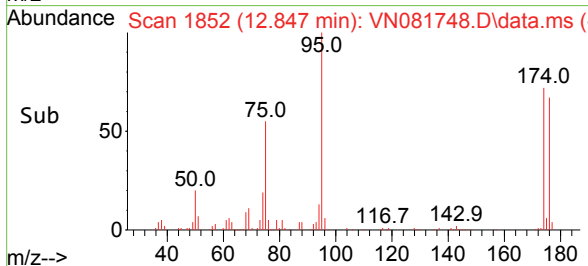
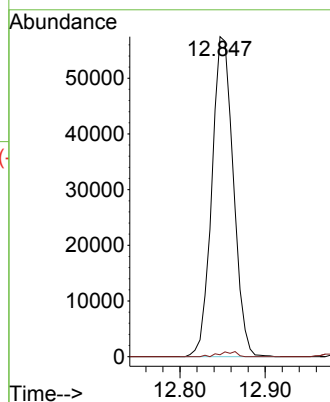


Tgt Ion: 75 Resp: 100759

Ion Ratio Lower Upper

75 100

77 1.3 90.5 271.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 69.456 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN081748.D

Acq: 16 Apr 2024 10:41

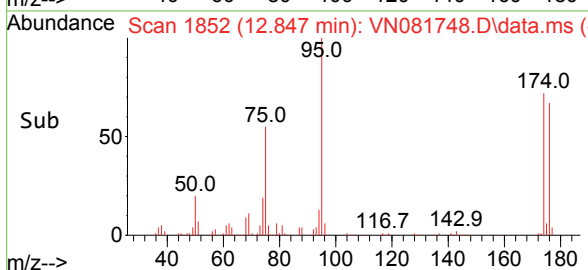
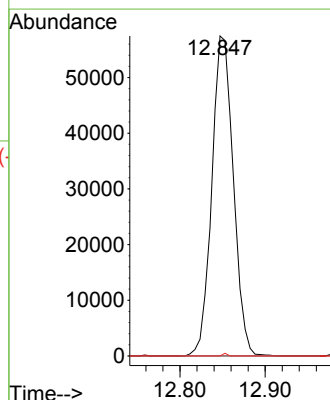
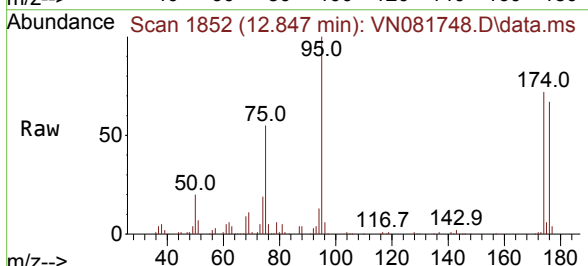
Tgt Ion: 75 Resp: 100759

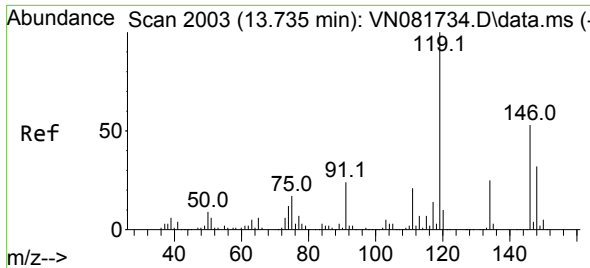
Ion Ratio Lower Upper

75 100

53 0.0 72.9 109.3#

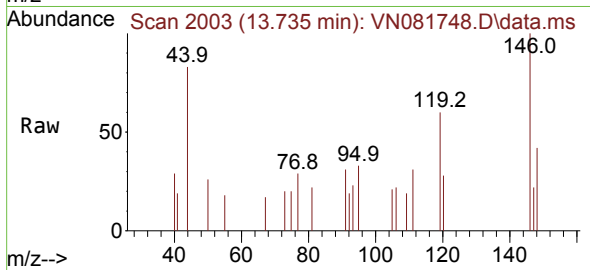
89 0.2 39.1 58.7#



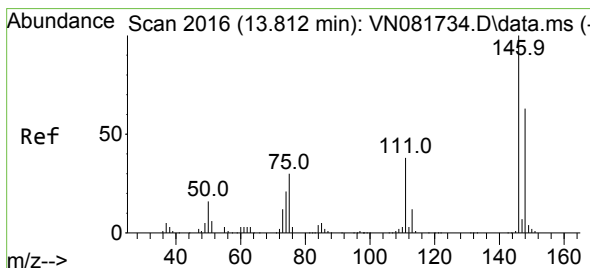
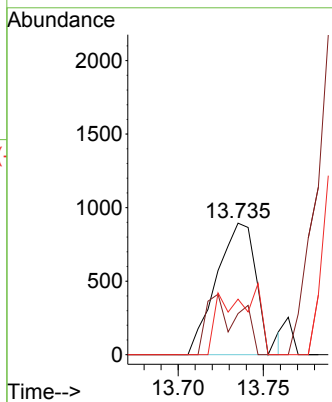
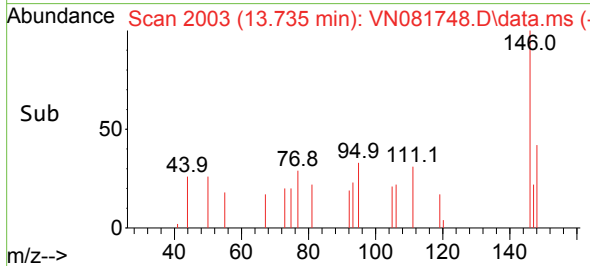


#87
1,3-Dichlorobenzene
Concen: 0.232 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. 0.000 min
Lab File: VN081748.D
Acq: 16 Apr 2024 10:41

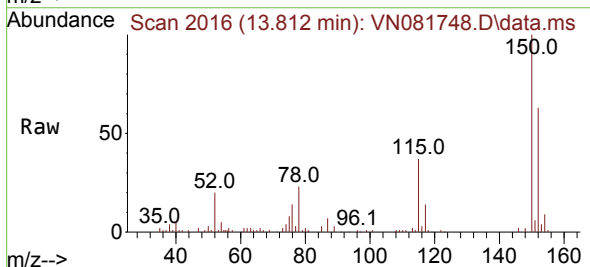
Instrument :
MSVOA_N
ClientSampleId :



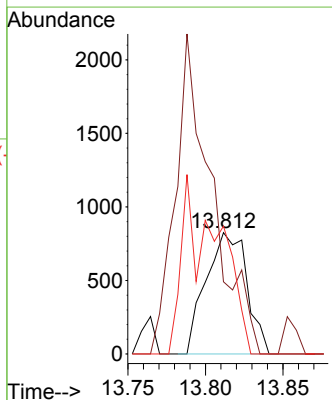
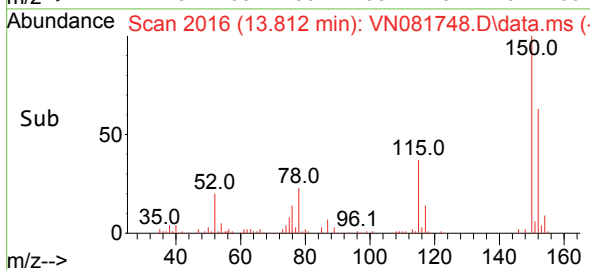
Tgt Ion:146 Resp: 1472
Ion Ratio Lower Upper
146 100
111 0.0 20.8 62.5#
148 44.6 32.1 96.3

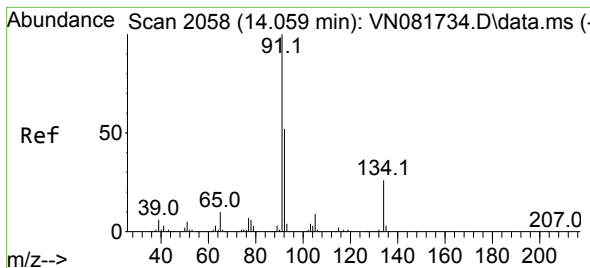


#88
1,4-Dichlorobenzene
Concen: 0.234 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN081748.D
Acq: 16 Apr 2024 10:41



Tgt Ion:146 Resp: 1515
Ion Ratio Lower Upper
146 100
111 0.0 19.3 57.9#
148 0.0 31.3 93.9#





#89

n-Butylbenzene

Concen: 0.220 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.006 min

Lab File: VN081748.D

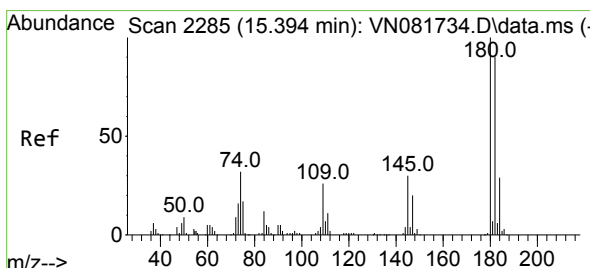
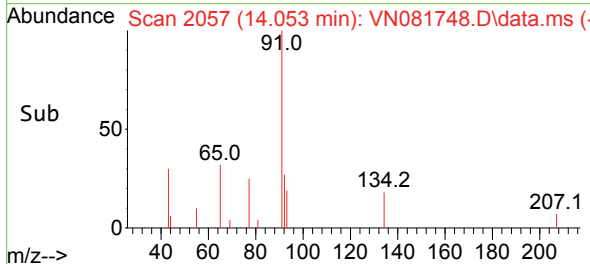
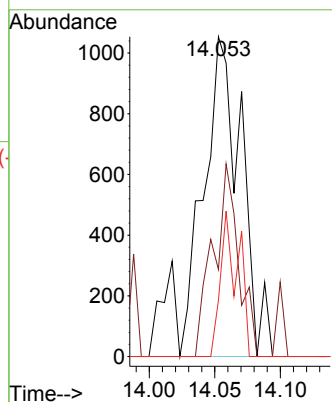
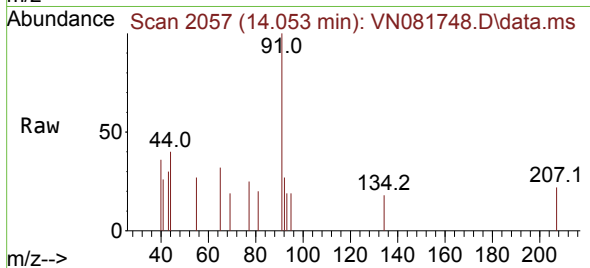
Acq: 16 Apr 2024 10:41

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	91	Resp:	2094
Ion	Ratio	Lower	Upper
91	100		
92	40.6	26.2	78.5
134	21.5	13.2	39.5



#93

1,2,4-Trichlorobenzene

Concen: 0.556 ug/l

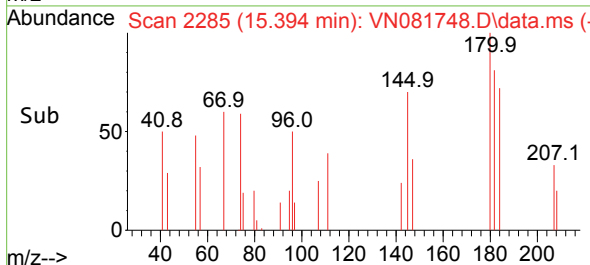
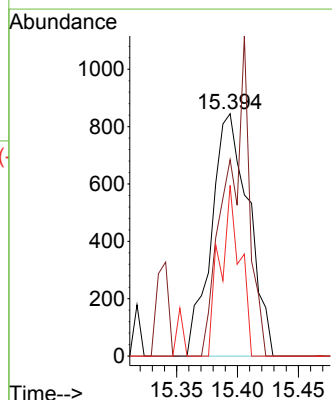
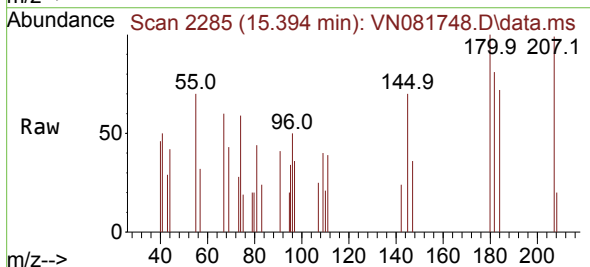
RT: 15.394 min Scan# 2285

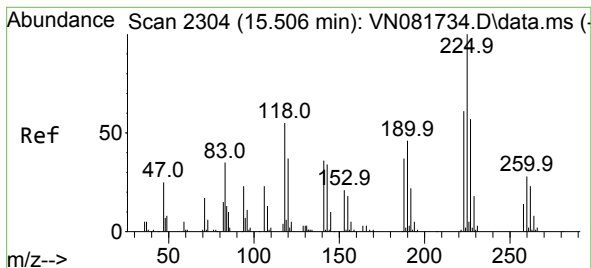
Delta R.T. -0.000 min

Lab File: VN081748.D

Acq: 16 Apr 2024 10:41

Tgt Ion:	180	Resp:	1799
Ion	Ratio	Lower	Upper
180	100		
182	78.2	46.7	140.0
145	37.7	16.2	48.6





#94

Hexachlorobutadiene

Concen: 0.718 ug/l

RT: 15.506 min Scan# 21

Delta R.T. -0.000 min

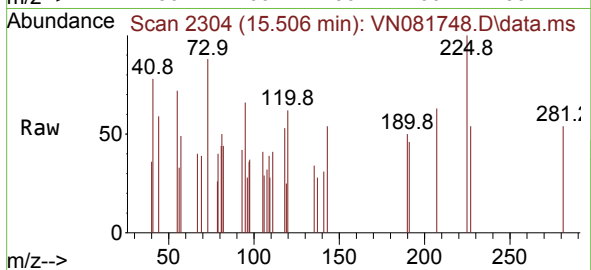
Lab File: VN081748.D

Acq: 16 Apr 2024 10:41

Instrument :

MSVOA_N

ClientSampleId :



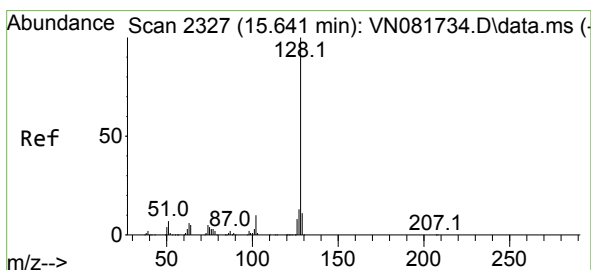
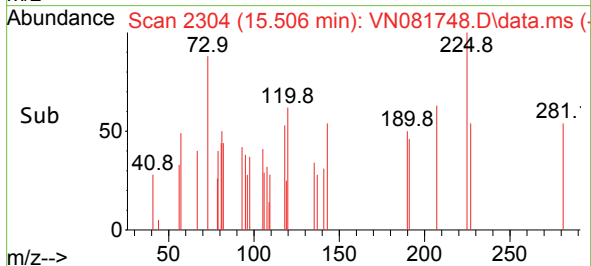
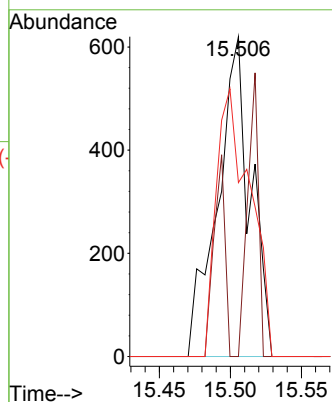
Tgt Ion:225 Resp: 1001

Ion Ratio Lower Upper

225 100

223 21.6 31.1 93.2#

227 85.6 30.6 91.6



#95

Naphthalene

Concen: 0.558 ug/l

RT: 15.647 min Scan# 2328

Delta R.T. 0.006 min

Lab File: VN081748.D

Acq: 16 Apr 2024 10:41

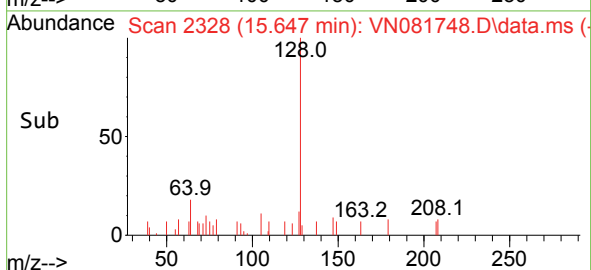
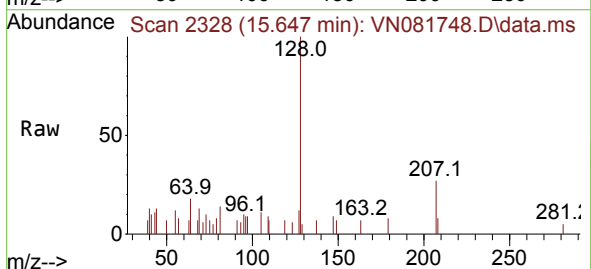
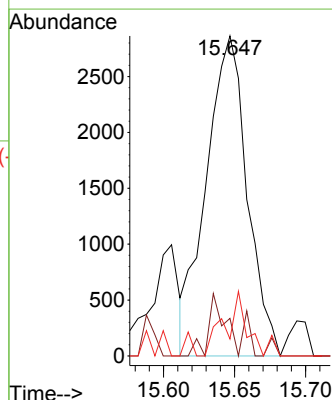
Tgt Ion:128 Resp: 5765

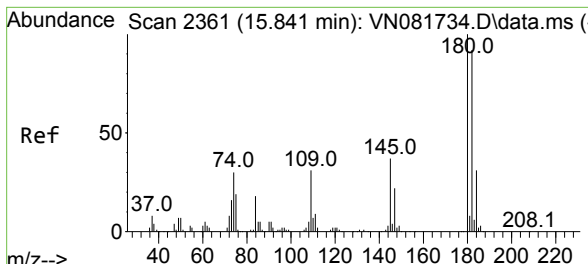
Ion Ratio Lower Upper

128 100

127 8.1 10.1 15.1#

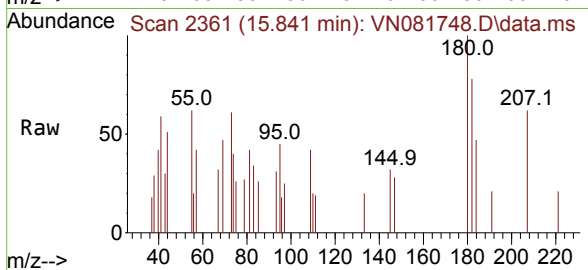
129 11.5 8.9 13.3





#96
 1,2,3-Trichlorobenzene
 Concen: 0.642 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN081748.D
 Acq: 16 Apr 2024 10:41

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 2123
 Ion Ratio Lower Upper
 180 100
 182 76.5 46.0 137.8
 145 21.2 17.1 51.3

