

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041524\
 Data File : VN081740.D
 Acq On : 15 Apr 2024 16:12
 Operator : JC\MD
 Sample : VN0415MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415MBL01

Quant Time: Apr 15 23:28:43 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)

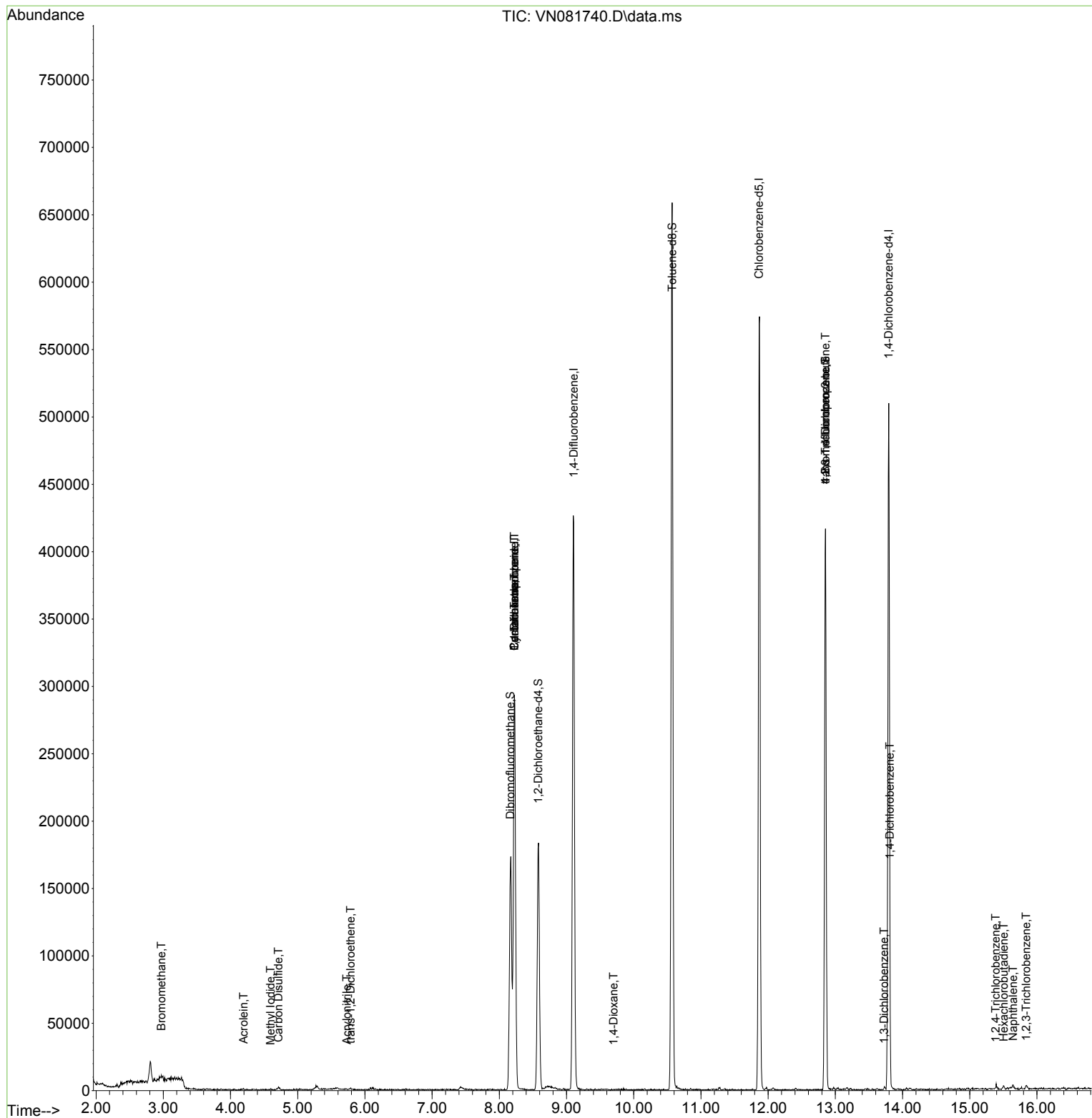
Internal Standards						
1) Pentafluorobenzene	8.224	168	205148	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	370871	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	332809	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	132682	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	150965	52.296	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.600%			
35) Dibromofluoromethane	8.165	113	124086	50.667	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.340%			
50) Toluene-d8	10.571	98	453852	50.304	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.600%			
62) 4-Bromofluorobenzene	12.853	95	141199	45.798	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 91.600%			
Target Compounds						Qvalue
3) Chloromethane	2.359	50	858	Below Cal	#	43
5) Bromomethane	2.971	94	1937	1.008	ug/l #	65
6) Chloroethane	3.124	64	20	Below Cal	#	44
10) Methyl Iodide	4.595	142	775	0.561	ug/l #	84
13) Acrolein	4.195	56	414	0.989	ug/l #	37
15) Acrylonitrile	5.730	53	601	0.553	ug/l #	29
17) Carbon Disulfide	4.712	76	3959	0.559	ug/l #	74
20) Methylene Chloride	5.271	84	1958	Below Cal	#	72
21) trans-1,2-Dichloroethene	5.789	96	685	0.280	ug/l #	45
31) Cyclohexane	8.224	56	5413	1.367	ug/l #	47
36) 1,1-Dichloropropene	8.224	75	19028	5.577	ug/l #	50
38) Carbon Tetrachloride	8.224	117	21499	5.416	ug/l #	14
49) 1,4-Dioxane	9.700	88	112	2.095	ug/l #	28
76) 1,2,3-Trichloropropane	12.853	75	75199	29.616	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	75199	69.348	ug/l #	12
87) 1,3-Dichlorobenzene	13.723	146	1058	0.223	ug/l #	29
88) 1,4-Dichlorobenzene	13.812	146	1006	0.208	ug/l #	26
92) 1,2-Dibromo-3-Chloropr...	14.729	75	98	Below Cal	#	2
93) 1,2,4-Trichlorobenzene	15.388	180	944	0.391	ug/l	78
94) Hexachlorobutadiene	15.506	225	554	0.532	ug/l	91
95) Naphthalene	15.647	128	3638	0.471	ug/l #	81
96) 1,2,3-Trichlorobenzene	15.841	180	996	0.403	ug/l	63

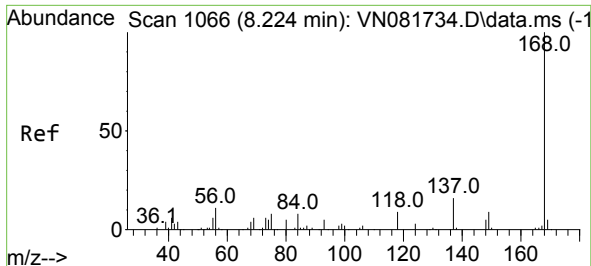
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VN0415MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
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Instrument :
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VN0415MBL01

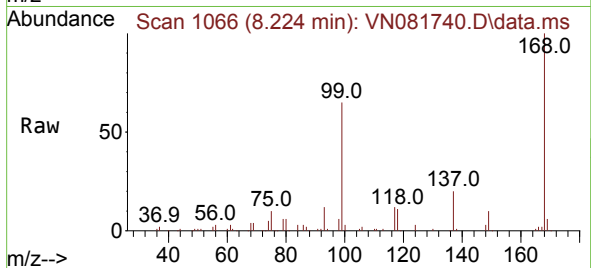
Quant Time: Apr 15 23:28:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041524W.M
Quant Title : SW846 8260
QLast Update : Mon Apr 15 15:37:39 2024
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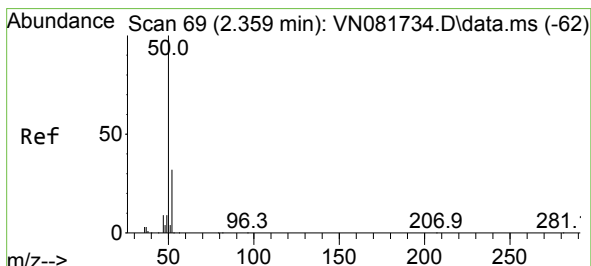
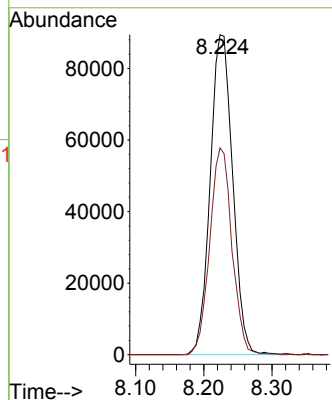
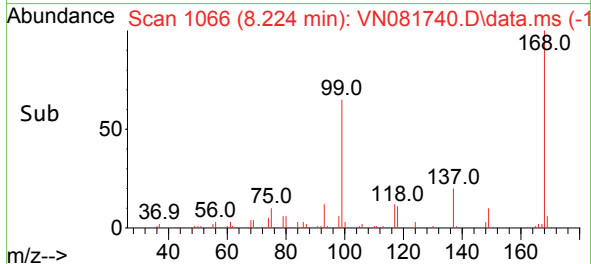


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN081740.D
Acq: 15 Apr 2024 16:12

Instrument :
MSVOA_N
ClientSampleId :
VN0415MBL01

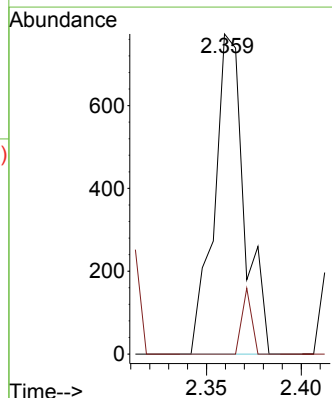
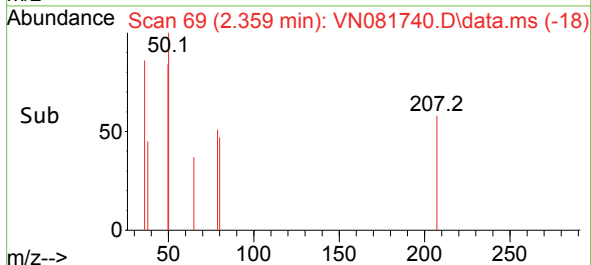
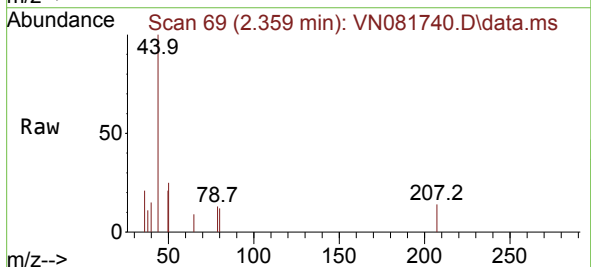


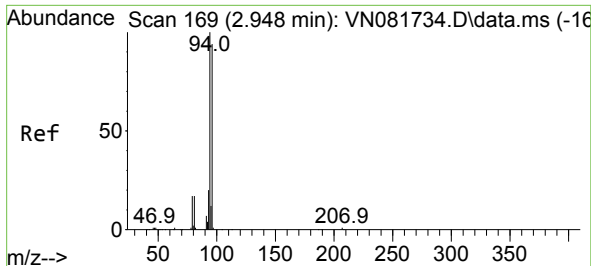
Tgt Ion:168 Resp: 205148
Ion Ratio Lower Upper
168 100
99 64.6 48.2 72.4



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN081740.D
Acq: 15 Apr 2024 16:12

Tgt Ion: 50 Resp: 858
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

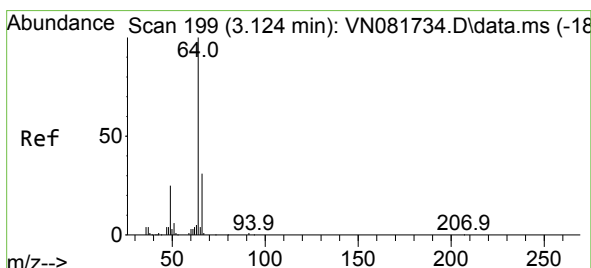
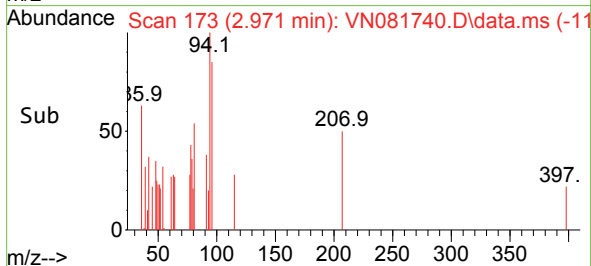
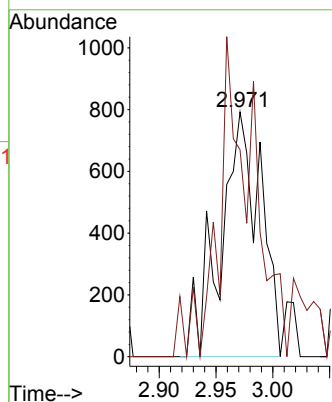
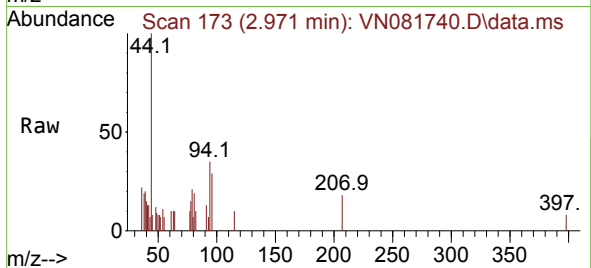




#5
Bromomethane
Concen: 1.008 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN081740.D
Acq: 15 Apr 2024 16:12

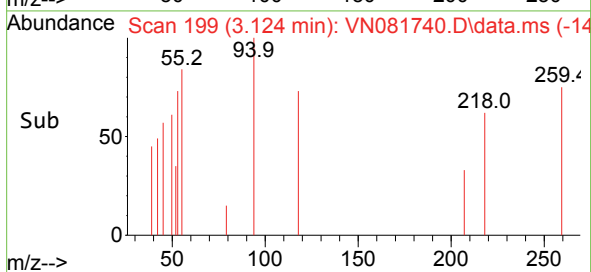
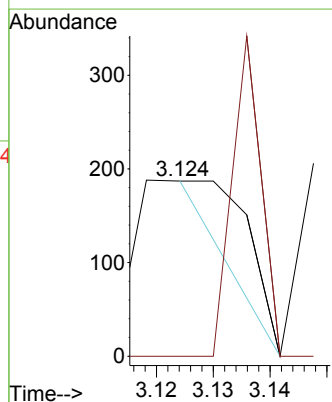
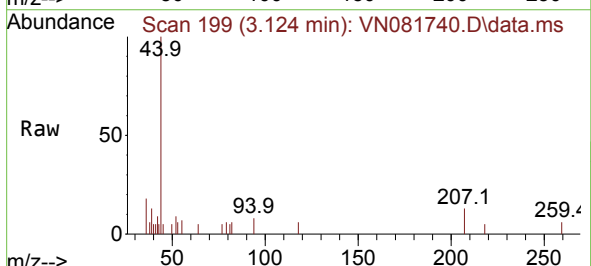
Instrument :
MSVOA_N
ClientSampleId :
VN0415MBL01

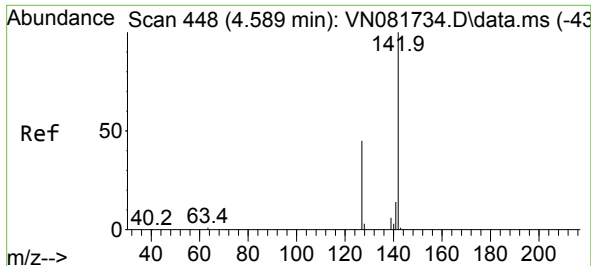
Tgt Ion: 94 Resp: 1937
Ion Ratio Lower Upper
94 100
96 60.0 74.8 112.2#



#6
Chloroethane
Concen: Below Cal
RT: 3.124 min Scan# 199
Delta R.T. 0.000 min
Lab File: VN081740.D
Acq: 15 Apr 2024 16:12

Tgt Ion: 64 Resp: 20
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#

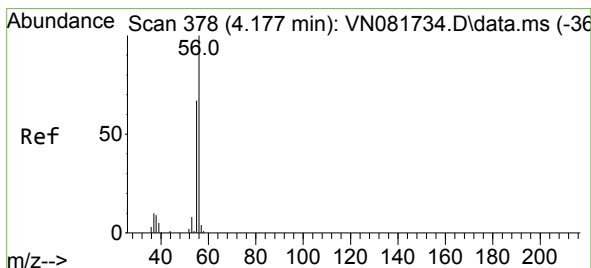
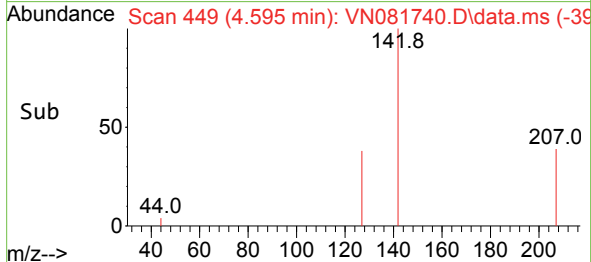
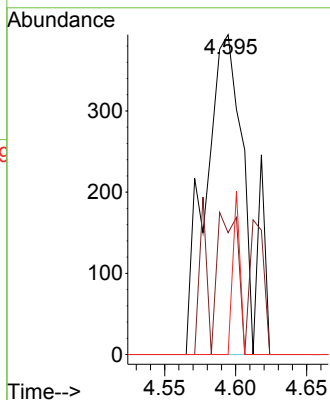
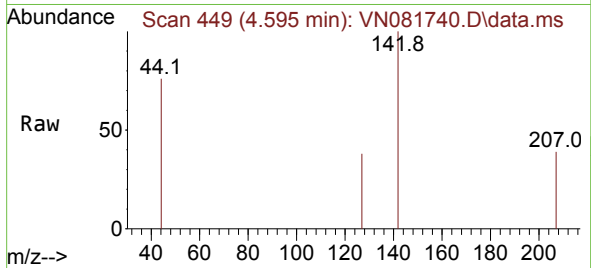




#10
Methyl Iodide
Concen: 0.561 ug/l
RT: 4.595 min Scan# 448
Delta R.T. 0.006 min
Lab File: VN081740.D
Acq: 15 Apr 2024 16:12

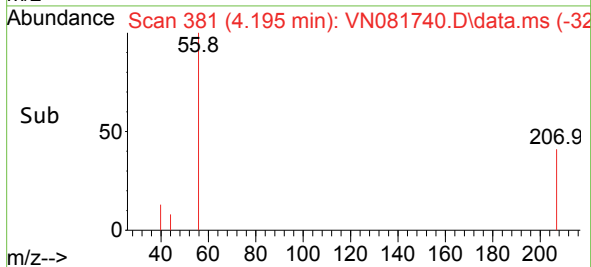
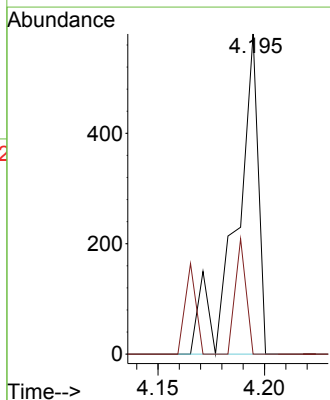
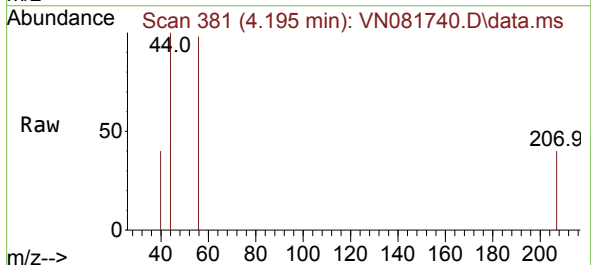
Instrument :
MSVOA_N
ClientSampleId :
VN0415MBL01

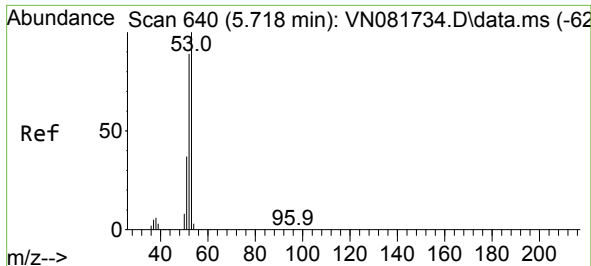
Tgt Ion:142 Resp: 775
Ion Ratio Lower Upper
142 100
127 38.1 35.8 53.6
141 0.0 11.4 17.2#



#13
Acrolein
Concen: 0.989 ug/l
RT: 4.195 min Scan# 381
Delta R.T. 0.018 min
Lab File: VN081740.D
Acq: 15 Apr 2024 16:12

Tgt Ion: 56 Resp: 414
Ion Ratio Lower Upper
56 100
55 17.9 55.8 83.8#





#15

Acrylonitrile

Concen: 0.553 ug/l

RT: 5.730 min Scan# 640

Delta R.T. 0.012 min

Lab File: VN081740.D

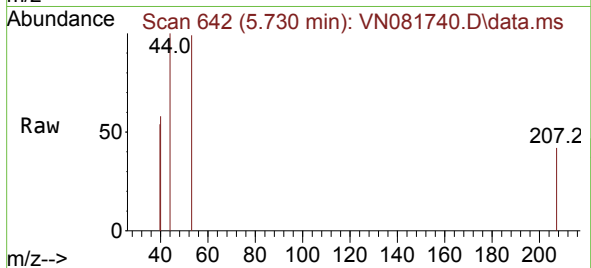
Acq: 15 Apr 2024 16:12

Instrument :

MSVOA_N

ClientSampleId :

VN0415MBL01



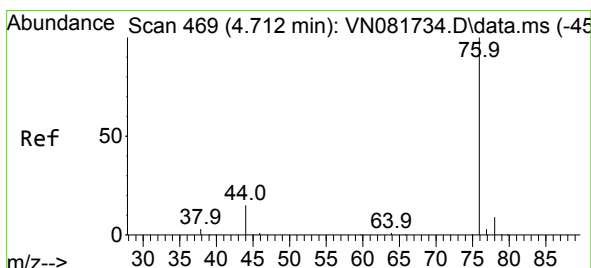
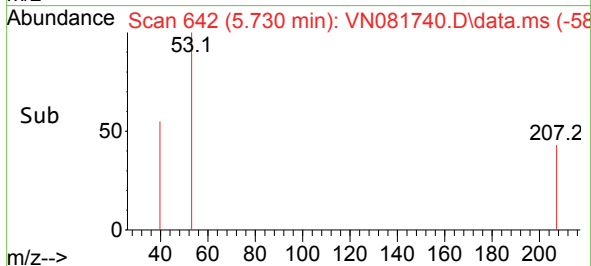
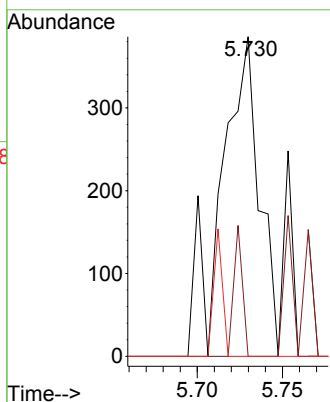
Tgt Ion: 53 Resp: 601

Ion Ratio Lower Upper

53 100

52 9.3 66.1 99.1#

51 9.0 29.4 44.2#



#17

Carbon Disulfide

Concen: 0.559 ug/l

RT: 4.712 min Scan# 469

Delta R.T. 0.000 min

Lab File: VN081740.D

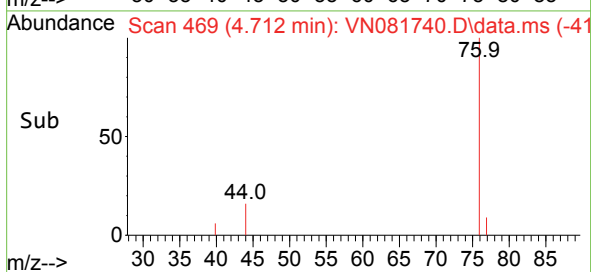
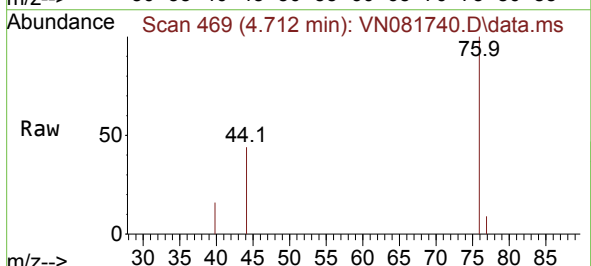
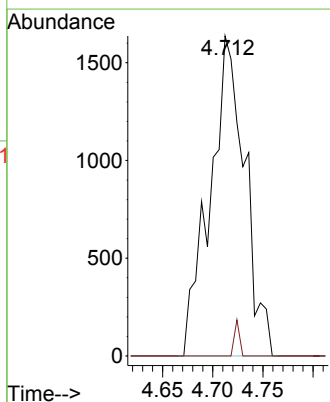
Acq: 15 Apr 2024 16:12

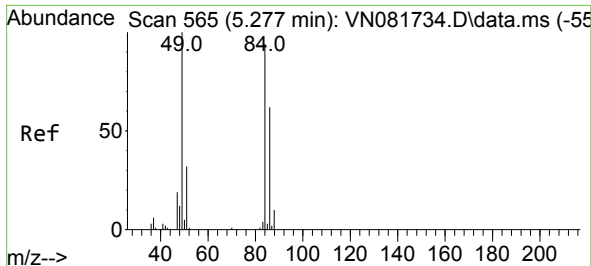
Tgt Ion: 76 Resp: 3959

Ion Ratio Lower Upper

76 100

78 0.0 7.5 11.3#

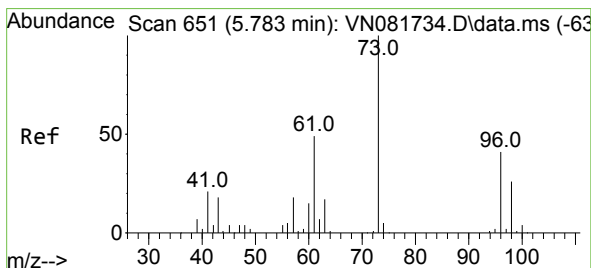
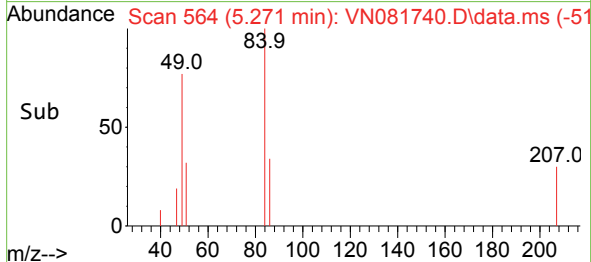
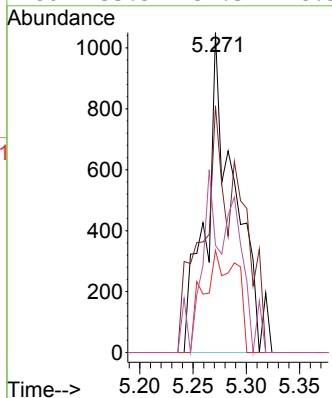
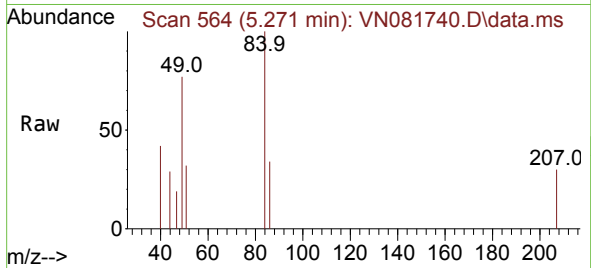




#20
Methylene Chloride
Concen: Below Cal
RT: 5.271 min Scan# 565
Delta R.T. -0.006 min
Lab File: VN081740.D
Acq: 15 Apr 2024 16:12

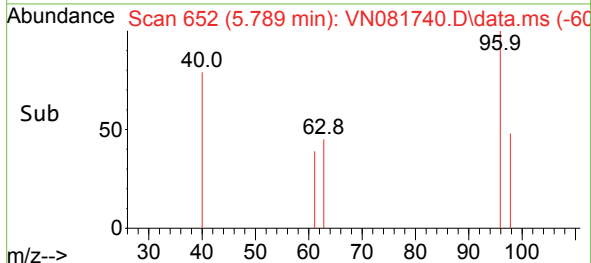
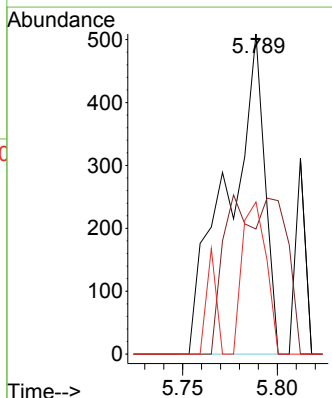
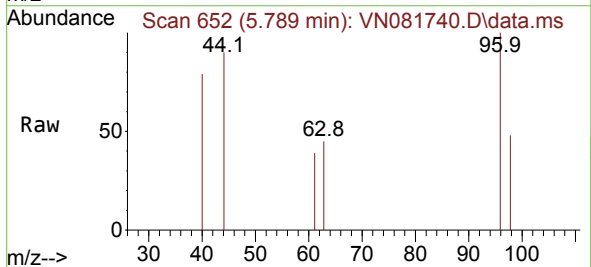
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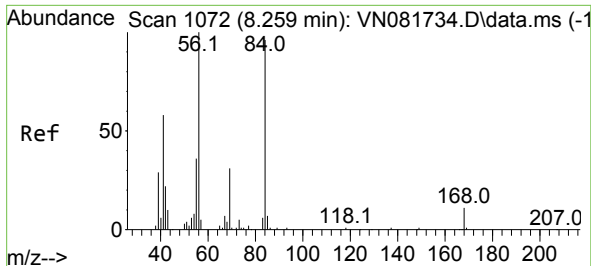
Tgt Ion:	84	Resp:	1958
Ion	Ratio	Lower	Upper
84	100		
49	77.1	84.9	127.3#
51	31.9	27.0	40.6
86	33.5	52.3	78.5#



#21
trans-1,2-Dichloroethene
Concen: 0.280 ug/l
RT: 5.789 min Scan# 652
Delta R.T. 0.006 min
Lab File: VN081740.D
Acq: 15 Apr 2024 16:12

Tgt Ion:	96	Resp:	685
Ion	Ratio	Lower	Upper
96	100		
61	39.1	96.5	144.7#
98	47.5	51.3	76.9#

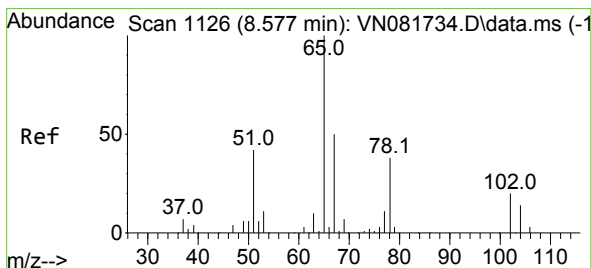
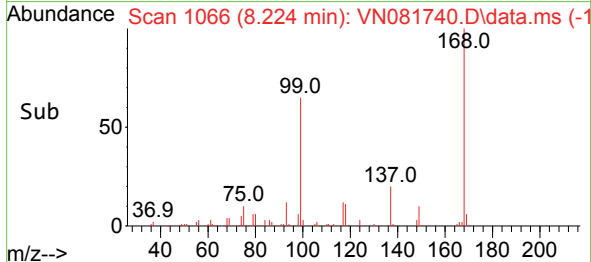
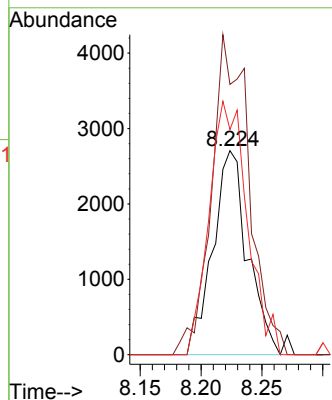
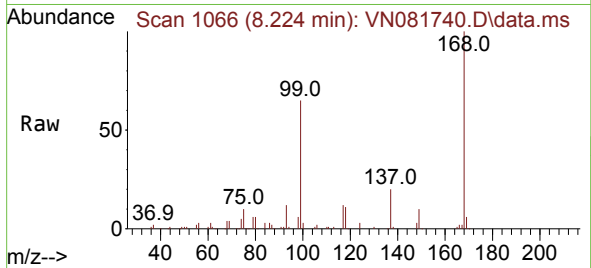




#31
Cyclohexane
Concen: 1.367 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081740.D
Acq: 15 Apr 2024 16:12

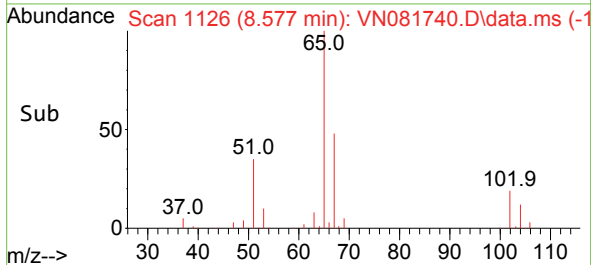
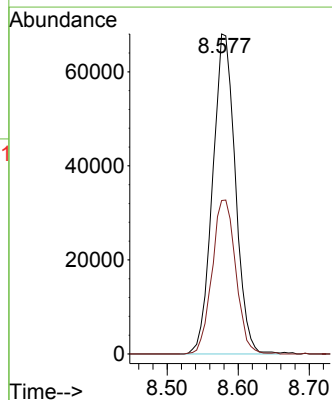
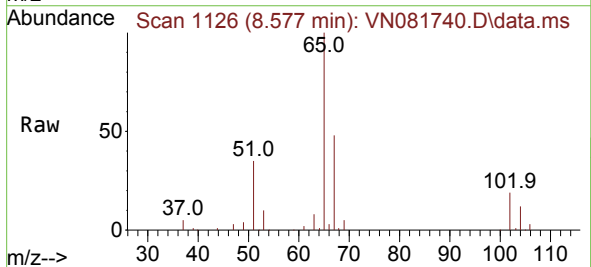
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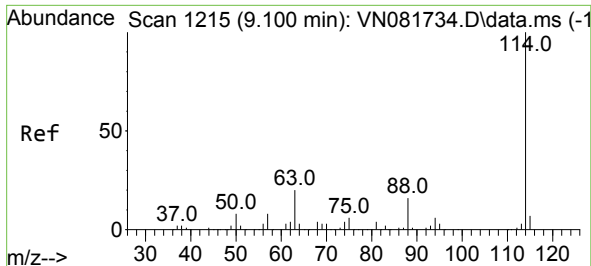
Tgt Ion: 56 Resp: 5413
Ion Ratio Lower Upper
56 100
69 126.2 24.4 36.6#
84 110.3 77.0 115.4



#33
1,2-Dichloroethane-d4
Concen: 52.296 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN081740.D
Acq: 15 Apr 2024 16:12

Tgt Ion: 65 Resp: 150965
Ion Ratio Lower Upper
65 100
67 50.2 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 114

Delta R.T. 0.006 min

Lab File: VN081740.D

Acq: 15 Apr 2024 16:12

Instrument :

MSVOA_N

ClientSampleId :

VN0415MBL01

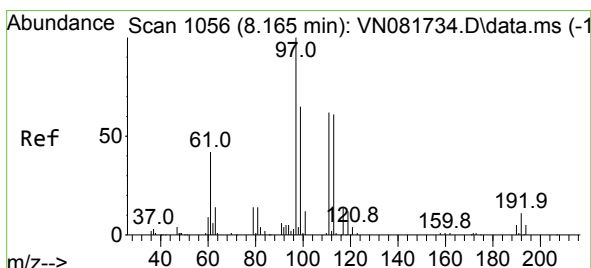
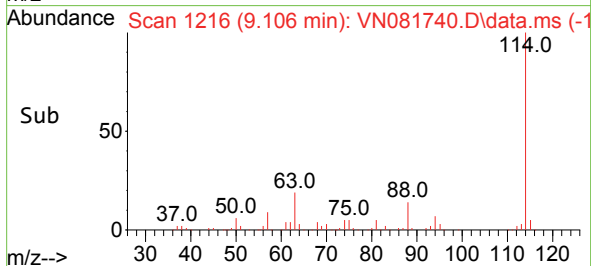
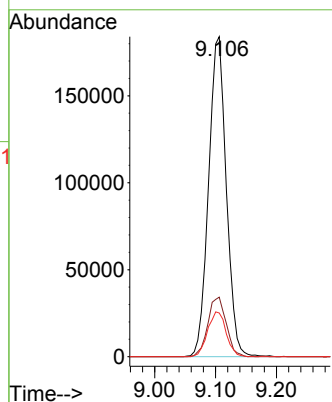
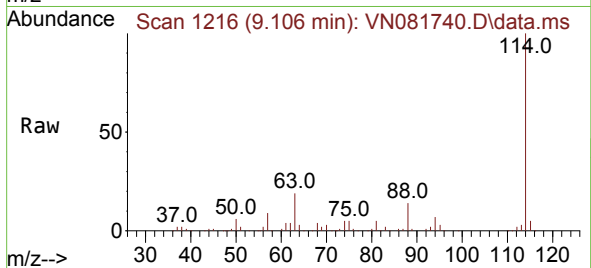
Tgt Ion:114 Resp: 370871

Ion Ratio Lower Upper

114 100

63 18.6 0.0 41.0

88 13.7 0.0 31.4



#35

Dibromofluoromethane

Concen: 50.667 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN081740.D

Acq: 15 Apr 2024 16:12

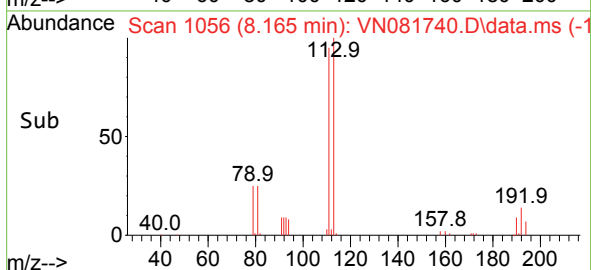
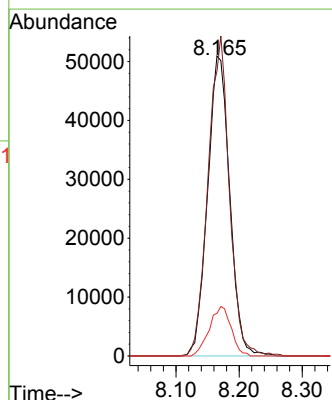
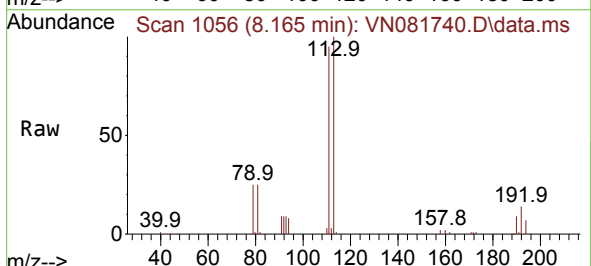
Tgt Ion:113 Resp: 124086

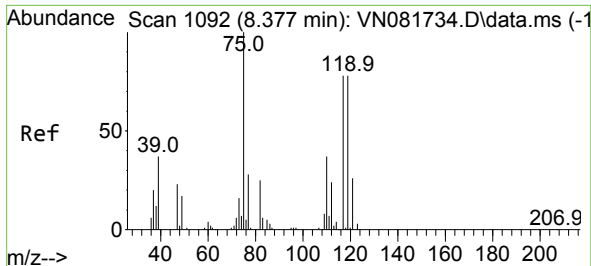
Ion Ratio Lower Upper

113 100

111 102.7 83.4 125.2

192 16.2 14.0 21.0





#36

1,1-Dichloropropene

Concen: 5.577 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

Lab File: VN081740.D

Acq: 15 Apr 2024 16:12

Instrument :

MSVOA_N

ClientSampleId :

VN0415MBL01

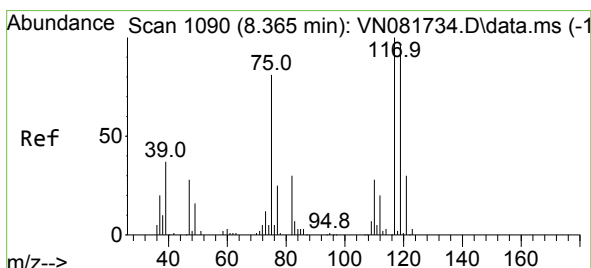
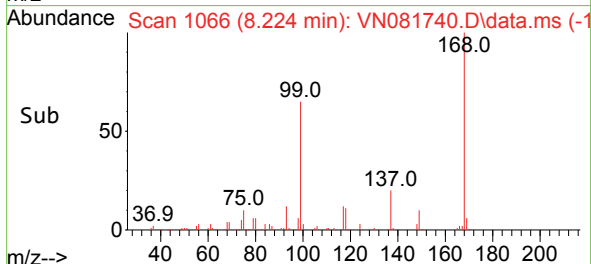
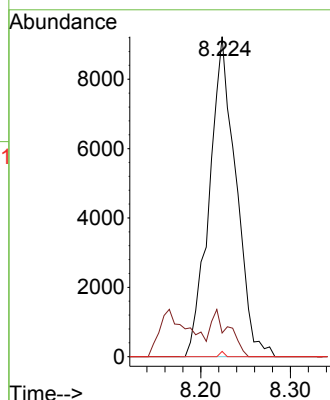
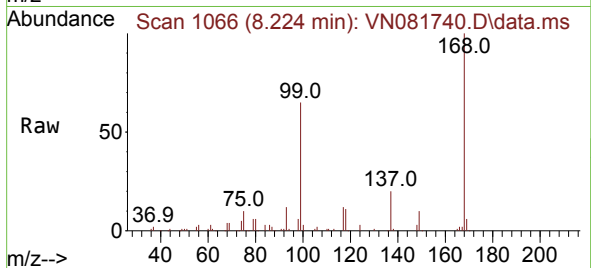
Tgt Ion: 75 Resp: 19028

Ion Ratio Lower Upper

75 100

110 10.0 17.8 53.5#

77 0.3 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.416 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN081740.D

Acq: 15 Apr 2024 16:12

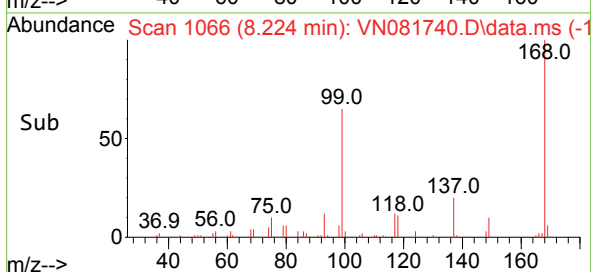
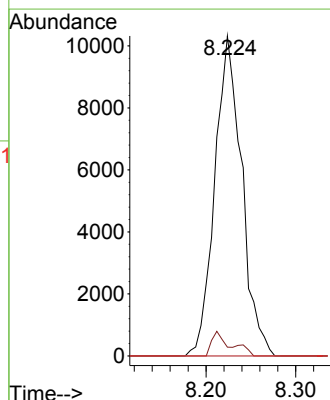
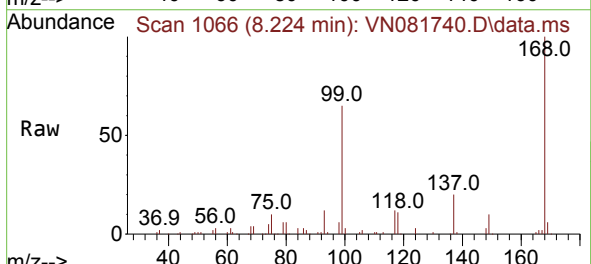
Tgt Ion: 117 Resp: 21499

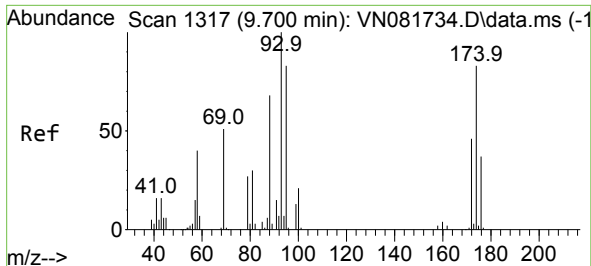
Ion Ratio Lower Upper

117 100

119 2.8 76.5 114.7#

121 0.0 23.9 35.9#





#49

1,4-Dioxane

Concen: 2.095 ug/l

RT: 9.700 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN081740.D

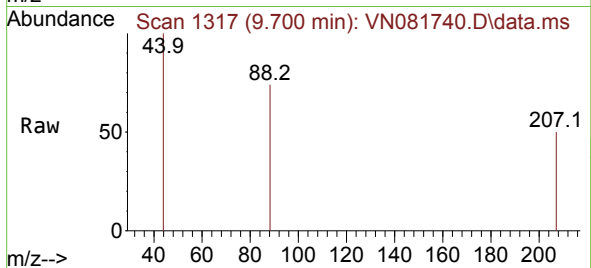
Acq: 15 Apr 2024 16:12

Instrument :

MSVOA_N

ClientSampleId :

VN0415MBL01



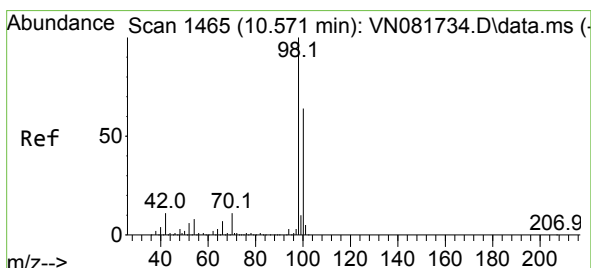
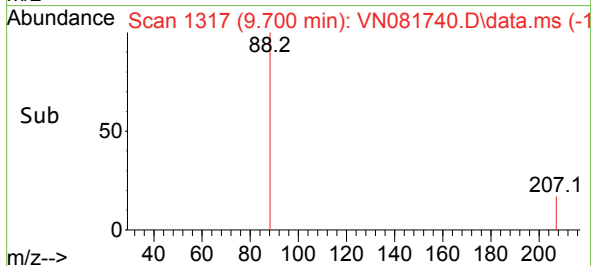
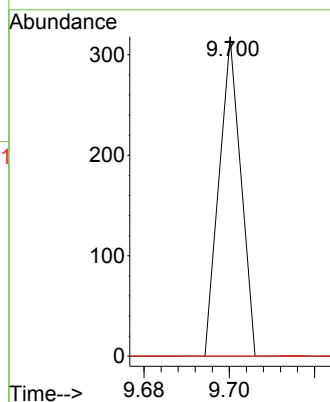
Tgt Ion: 88 Resp: 112

Ion Ratio Lower Upper

88 100

43 0.0 19.0 28.6#

58 0.0 50.6 76.0#



#50

Toluene-d8

Concen: 50.304 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN081740.D

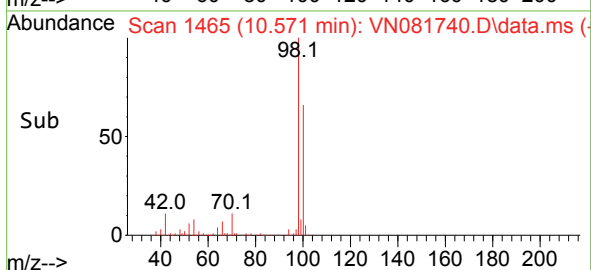
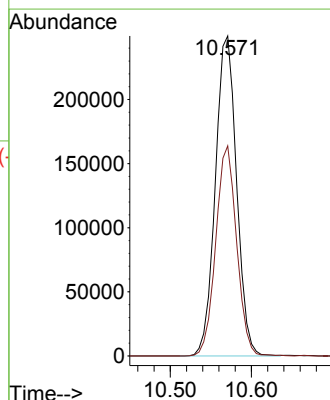
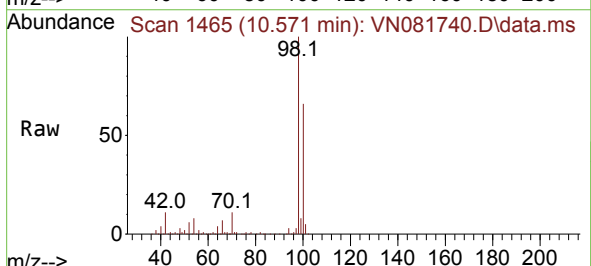
Acq: 15 Apr 2024 16:12

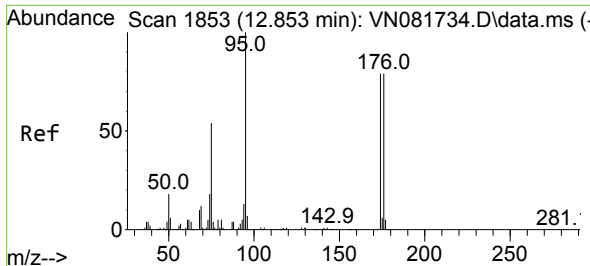
Tgt Ion: 98 Resp: 453852

Ion Ratio Lower Upper

98 100

100 64.5 51.8 77.6

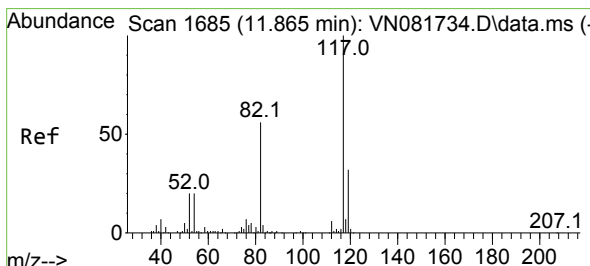
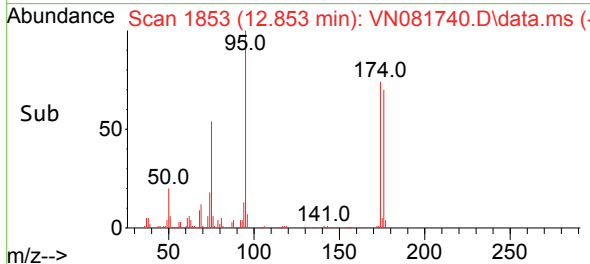
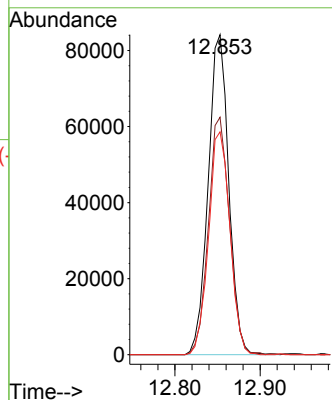
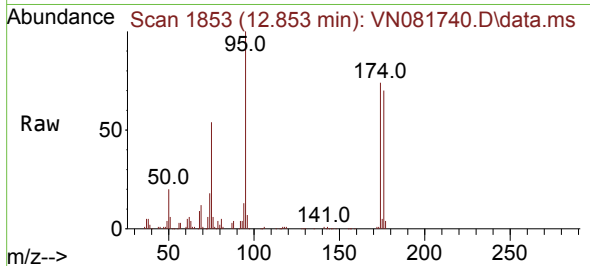




#62
4-Bromofluorobenzene
Concen: 45.798 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN081740.D
Acq: 15 Apr 2024 16:12

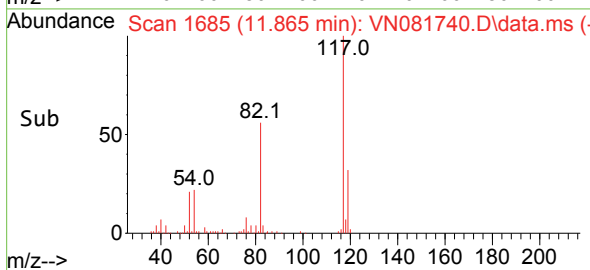
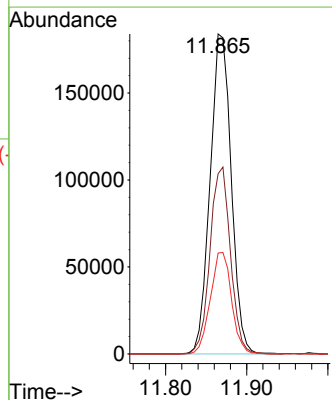
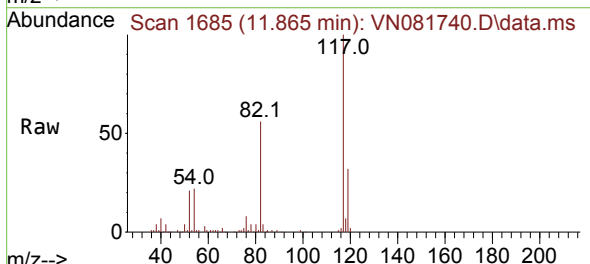
Instrument :
MSVOA_N
ClientSampleId :
VN0415MBL01

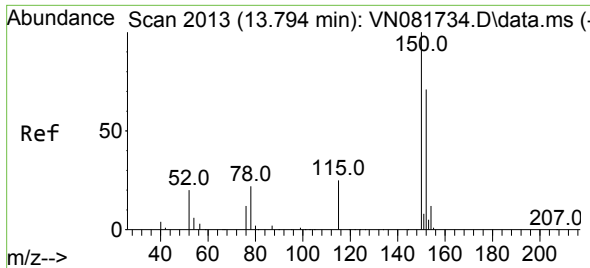
Tgt Ion: 95 Resp: 141199
Ion Ratio Lower Upper
95 100
174 76.2 0.0 160.6
176 72.0 0.0 152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN081740.D
Acq: 15 Apr 2024 16:12

Tgt Ion: 117 Resp: 332809
Ion Ratio Lower Upper
117 100
82 56.3 44.6 66.8
119 31.6 25.9 38.9

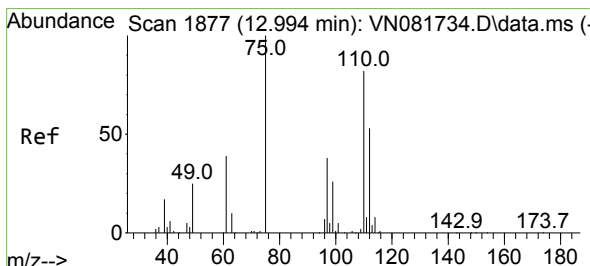
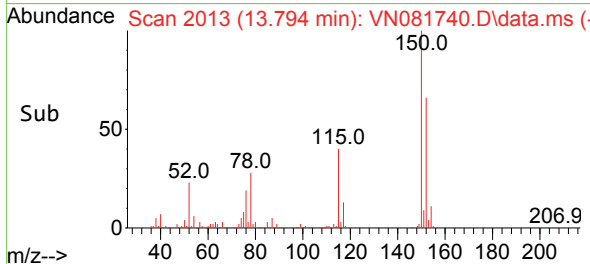
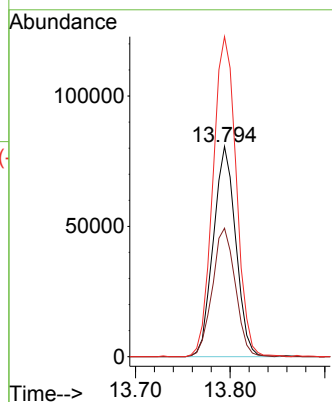
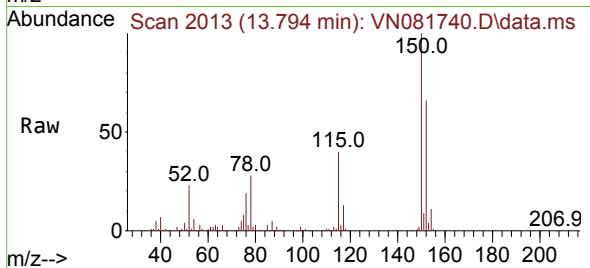




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN081740.D
Acq: 15 Apr 2024 16:12

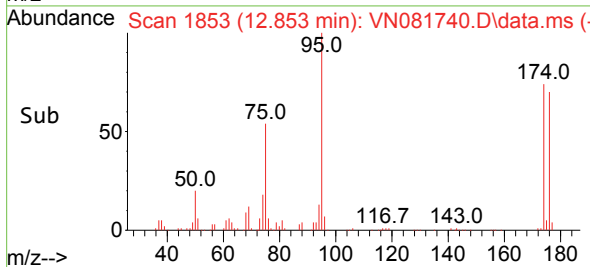
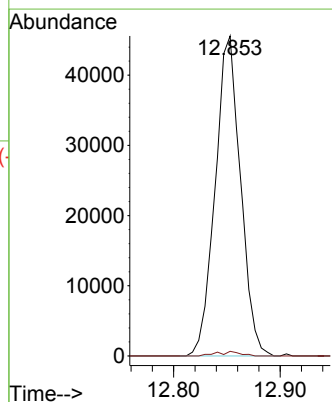
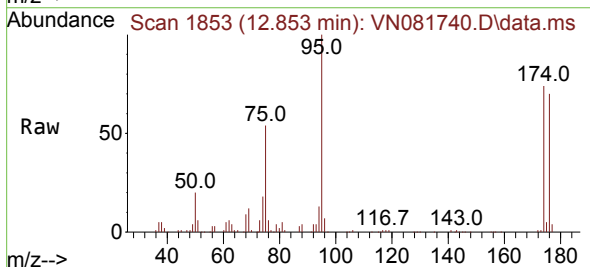
Instrument :
MSVOA_N
ClientSampleId :
VN0415MBL01

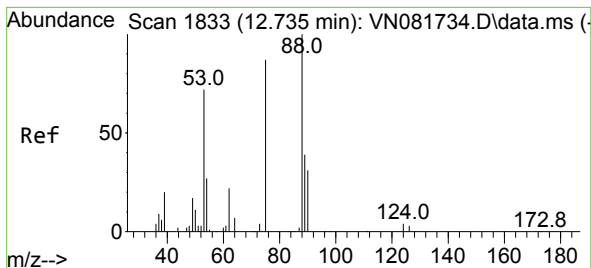
Tgt Ion:152 Resp: 132682
Ion Ratio Lower Upper
152 100
115 62.5 30.4 91.3
150 158.5 0.0 353.2



#76
1,2,3-Trichloropropane
Concen: 29.616 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN081740.D
Acq: 15 Apr 2024 16:12

Tgt Ion: 75 Resp: 75199
Ion Ratio Lower Upper
75 100
77 1.3 90.5 271.3#

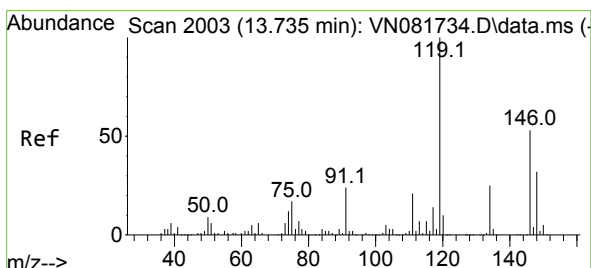
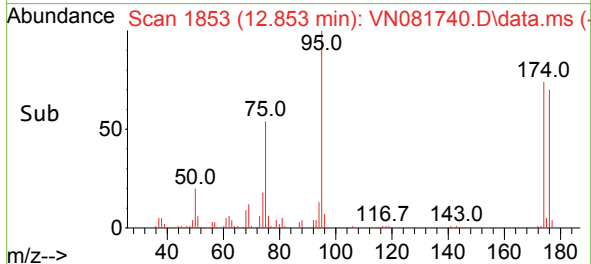
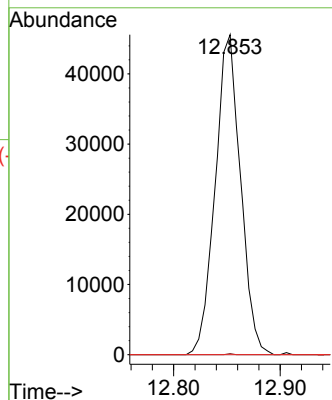
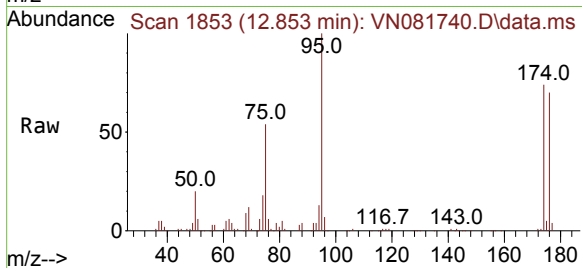




#81
trans-1,4-Dichloro-2-butene
Concen: 69.348 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN081740.D
Acq: 15 Apr 2024 16:12

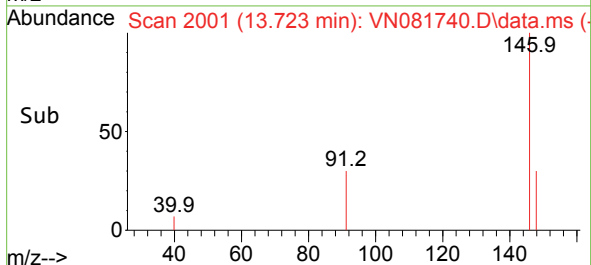
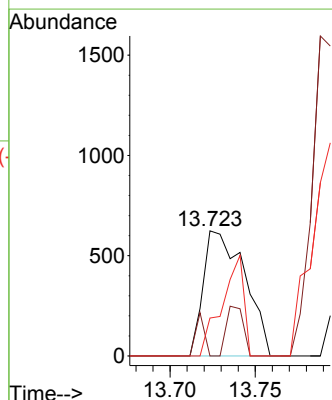
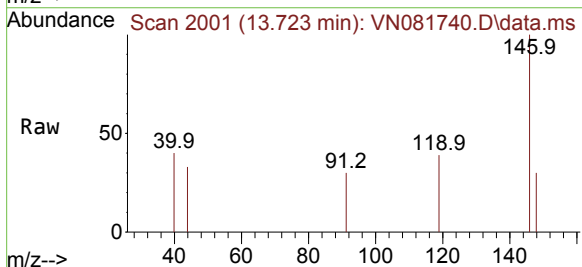
Instrument :
MSVOA_N
ClientSampleId :
VN0415MBL01

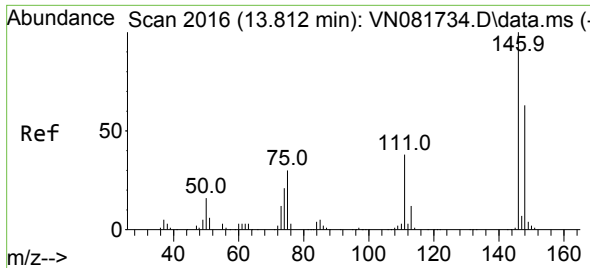
Tgt Ion: 75 Resp: 75199
Ion Ratio Lower Upper
75 100
53 0.1 72.9 109.3#
89 0.0 39.1 58.7#



#87
1,3-Dichlorobenzene
Concen: 0.223 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. -0.012 min
Lab File: VN081740.D
Acq: 15 Apr 2024 16:12

Tgt Ion:146 Resp: 1058
Ion Ratio Lower Upper
146 100
111 7.2 20.8 62.5#
148 0.0 32.1 96.3#

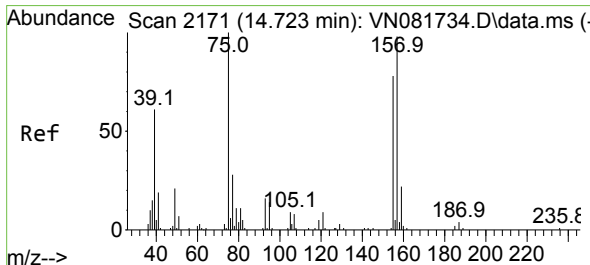
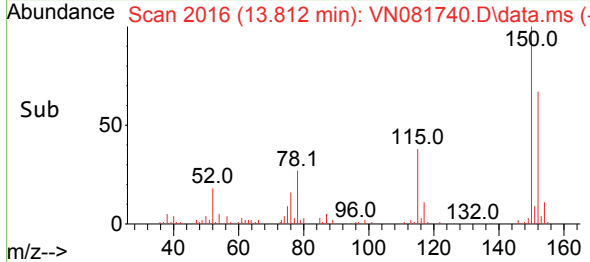
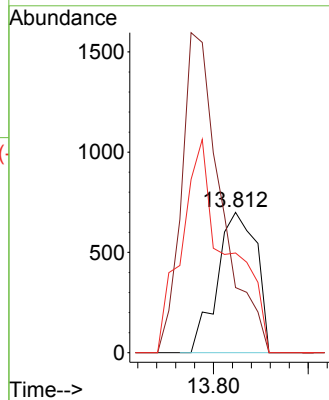
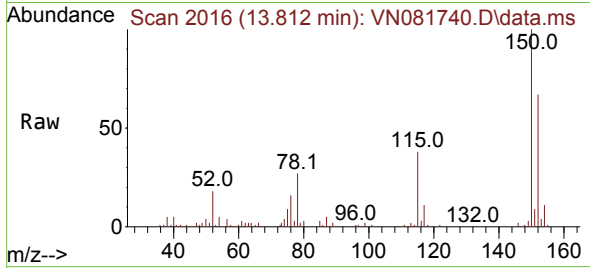




#88
1,4-Dichlorobenzene
Concen: 0.208 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN081740.D
Acq: 15 Apr 2024 16:12

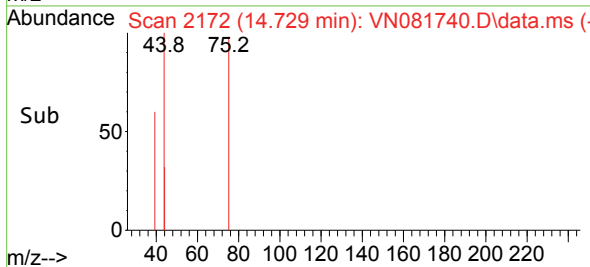
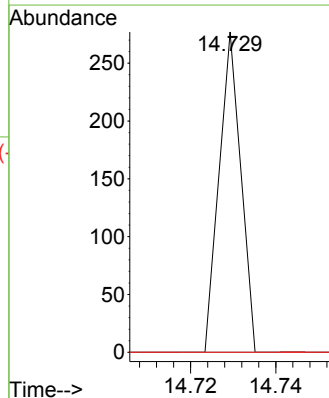
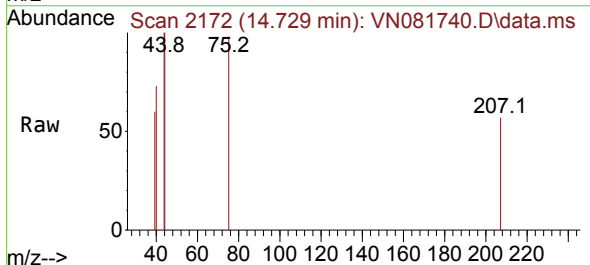
Instrument :
MSVOA_N
ClientSampleId :
VN0415MBL01

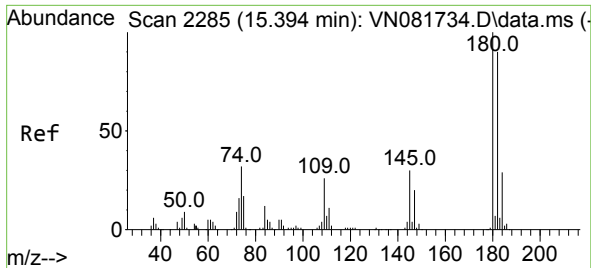
Tgt Ion:146 Resp: 1006
Ion Ratio Lower Upper
146 100
111 0.0 19.3 57.9#
148 0.0 31.3 93.9#



#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.729 min Scan# 2172
Delta R.T. 0.006 min
Lab File: VN081740.D
Acq: 15 Apr 2024 16:12

Tgt Ion: 75 Resp: 98
Ion Ratio Lower Upper
75 100
155 0.0 42.6 128.0#
157 0.0 53.0 159.0#

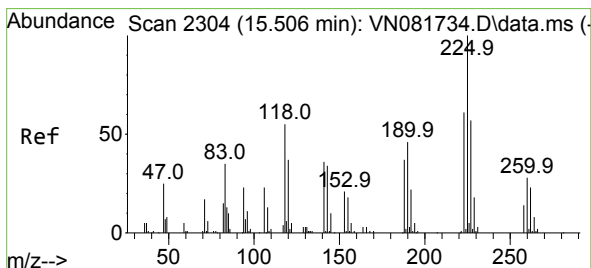
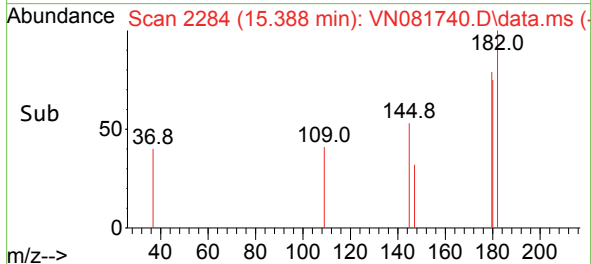
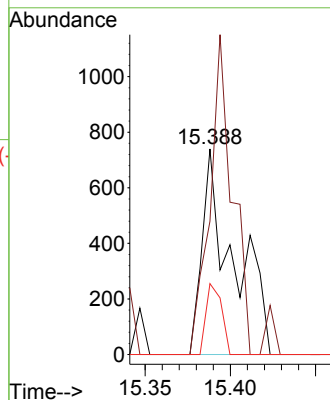
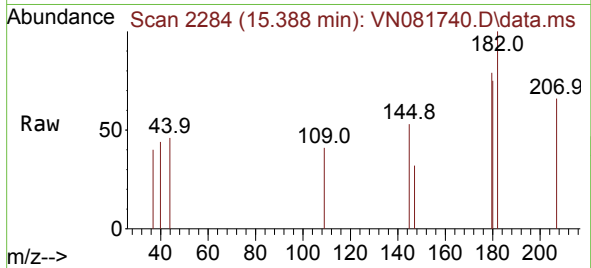




#93
1,2,4-Trichlorobenzene
Concen: 0.391 ug/l
RT: 15.388 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN081740.D
Acq: 15 Apr 2024 16:12

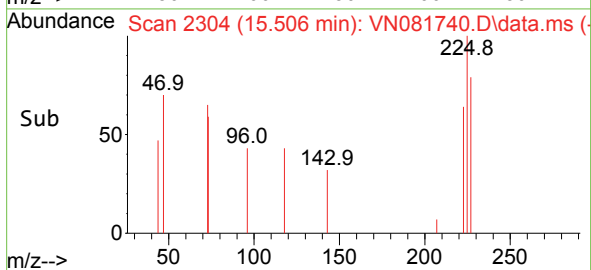
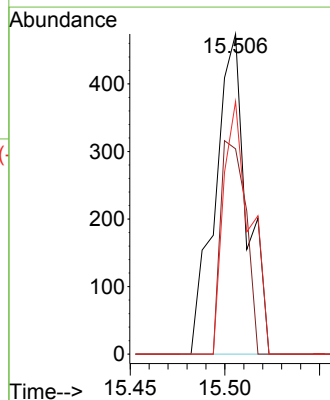
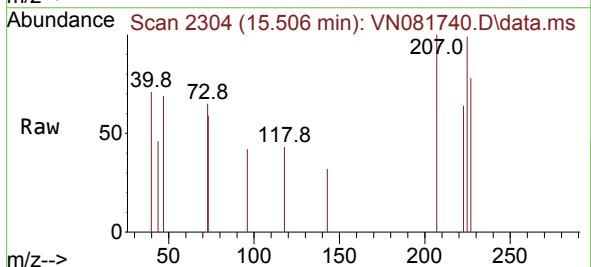
Instrument :
MSVOA_N
ClientSampleId :
VN0415MBL01

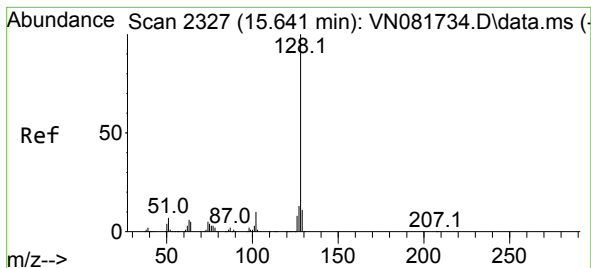
Tgt Ion:180 Resp: 944
Ion Ratio Lower Upper
180 100
182 112.3 46.7 140.0
145 17.2 16.2 48.6



#94
Hexachlorobutadiene
Concen: 0.532 ug/l
RT: 15.506 min Scan# 2304
Delta R.T. -0.000 min
Lab File: VN081740.D
Acq: 15 Apr 2024 16:12

Tgt Ion:225 Resp: 554
Ion Ratio Lower Upper
225 100
223 53.1 31.1 93.2
227 65.5 30.6 91.6





#95

Naphthalene

Concen: 0.471 ug/l

RT: 15.647 min Scan# 2327

Delta R.T. 0.006 min

Lab File: VN081740.D

Acq: 15 Apr 2024 16:12

Instrument :

MSVOA_N

ClientSampleId :

VN0415MBL01

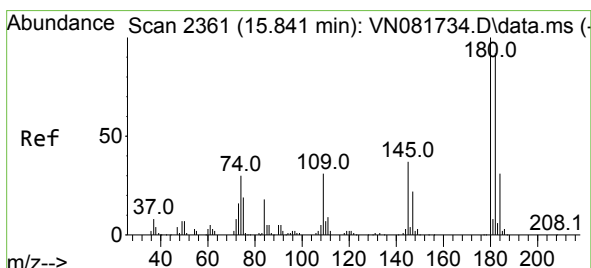
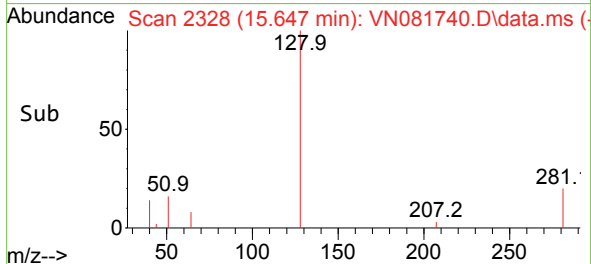
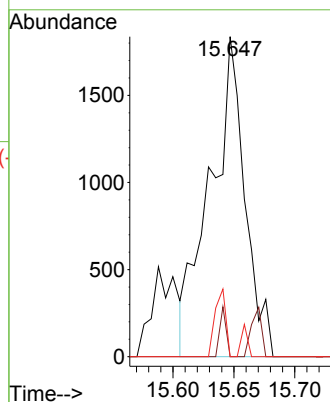
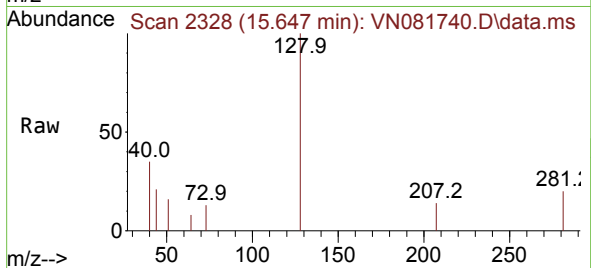
Tgt Ion:128 Resp: 3638

Ion Ratio Lower Upper

128 100

127 2.8 10.1 15.1#

129 6.5 8.9 13.3#



#96

1,2,3-Trichlorobenzene

Concen: 0.403 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. -0.000 min

Lab File: VN081740.D

Acq: 15 Apr 2024 16:12

Tgt Ion:180 Resp: 996

Ion Ratio Lower Upper

180 100

182 132.5 46.0 137.8

145 22.3 17.1 51.3

