

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042023\
 Data File : VN077414.D
 Acq On : 20 Apr 2023 20:48
 Operator : JC\MD
 Sample : 02386-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SPA-1WC-23-04

Quant Time: Apr 21 02:42:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 06 08:27:03 2023
 Response via : Initial Calibration

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

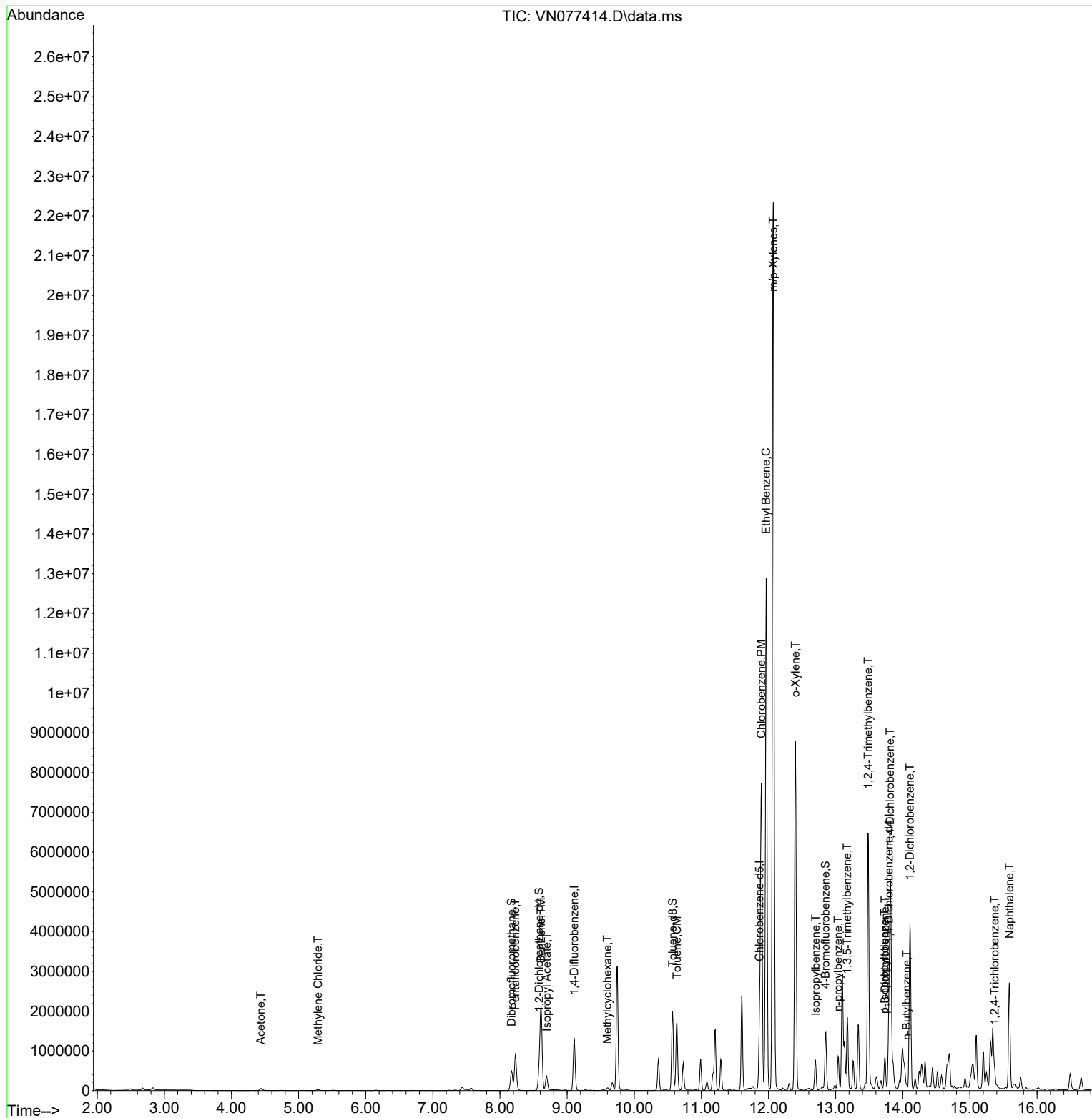
Internal Standards						
1) Pentafluorobenzene	8.231	168	632761	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1188410	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	1076848	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	465679	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	403932	46.707	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.420%		
35) Dibromofluoromethane	8.172	113	352356	46.315	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.620%		
50) Toluene-d8	10.572	98	1429313	46.669	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.340%		
62) 4-Bromofluorobenzene	12.848	95	521441	51.192	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	102.380%		
Target Compounds					Qvalue	
16) Acetone	4.437	43	100418	31.493	ug/l	99
20) Methylene Chloride	5.290	84	20150	2.238	ug/l #	83
39) Methylcyclohexane	9.601	83	30835	2.032	ug/l #	85
40) Benzene	8.613	78	2230134	63.543	ug/l	100
43) Isopropyl Acetate	8.695	43	397480	21.397	ug/l #	91
52) Toluene	10.636	92	794041	34.565	ug/l	100
65) Chlorobenzene	11.895	112	4459821	188.114	ug/l	99
67) Ethyl Benzene	11.966	91	9818076	224.419	ug/l	100
68) m/p-Xylenes	12.071	106	7358915	428.097	ug/l	98
69) o-Xylene	12.401	106	2567339	151.392	ug/l	98
73) Isopropylbenzene	12.701	105	516424	11.417	ug/l	100
78) n-propylbenzene	13.036	91	692713	13.861	ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	1046729	28.974	ug/l	98
84) 1,2,4-Trimethylbenzene	13.483	105	3835705	107.471	ug/l	99
86) p-Isopropyltoluene	13.730	119	167309	4.750	ug/l	99
87) 1,3-Dichlorobenzene	13.736	146	229615	13.495	ug/l	98
88) 1,4-Dichlorobenzene	13.813	146	1322425	78.814	ug/l	97
89) n-Butylbenzene	14.060	91	55547	1.900	ug/l #	83
91) 1,2-Dichlorobenzene	14.107	146	1711470	100.548	ug/l	100
93) 1,2,4-Trichlorobenzene	15.371	180	94449	15.371	ug/l	92
95) Naphthalene	15.589	128	2132081	92.369	ug/l	100

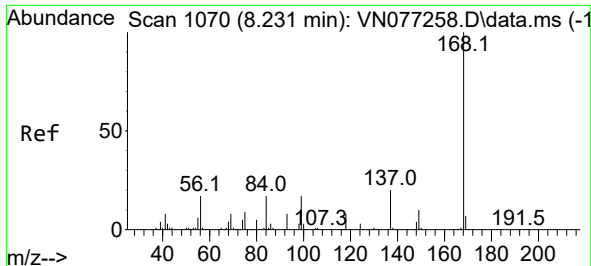
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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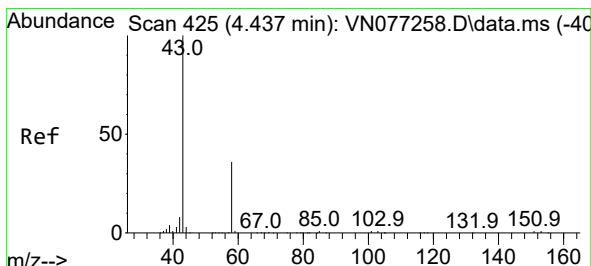
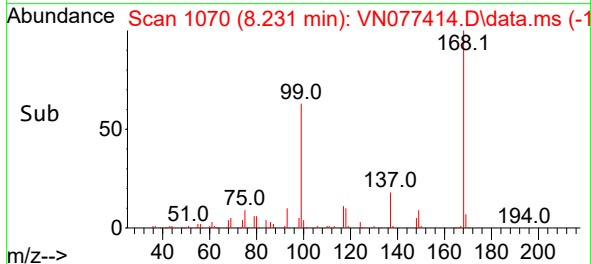
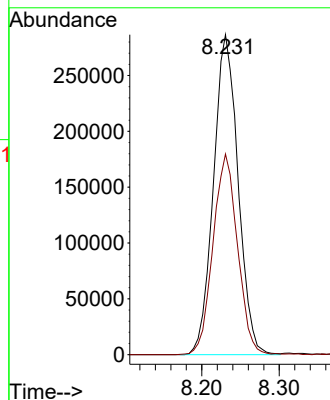
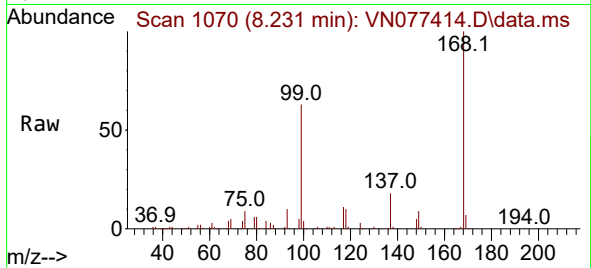




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN077414.D
Acq: 20 Apr 2023 20:48

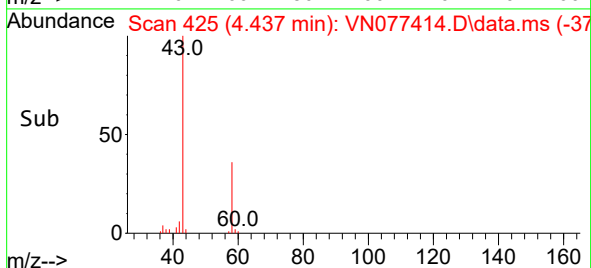
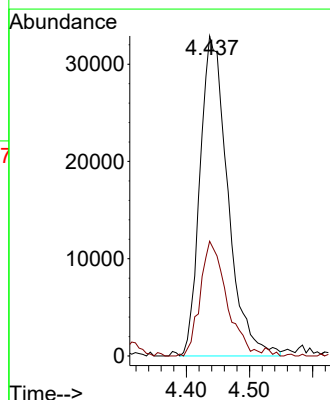
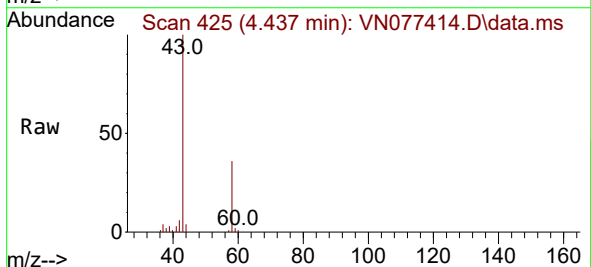
Instrument :
MSVOA_N
ClientSampleId :
SPA-1WC-23-04

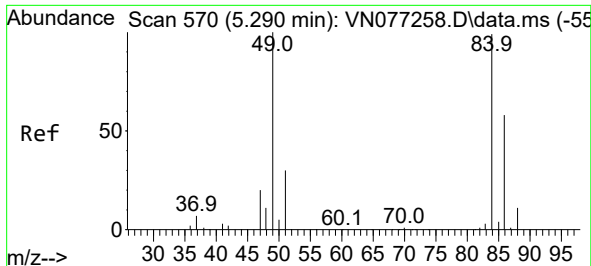
Tgt Ion:168 Resp: 632761
Ion Ratio Lower Upper
168 100
99 62.6 50.6 75.8



#16
Acetone
Concen: 31.493 ug/l
RT: 4.437 min Scan# 425
Delta R.T. -0.000 min
Lab File: VN077414.D
Acq: 20 Apr 2023 20:48

Tgt Ion: 43 Resp: 100418
Ion Ratio Lower Upper
43 100
58 35.8 29.0 43.6

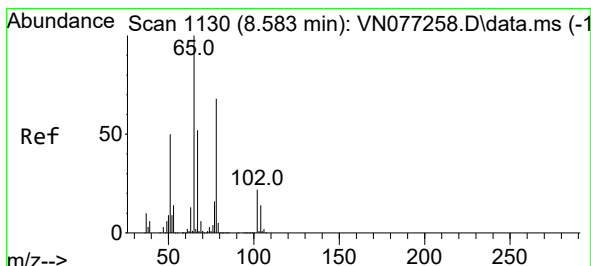
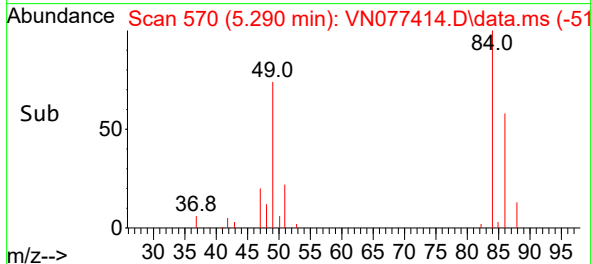
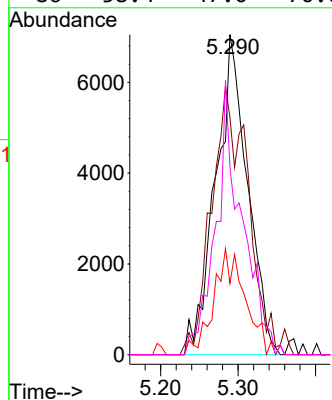
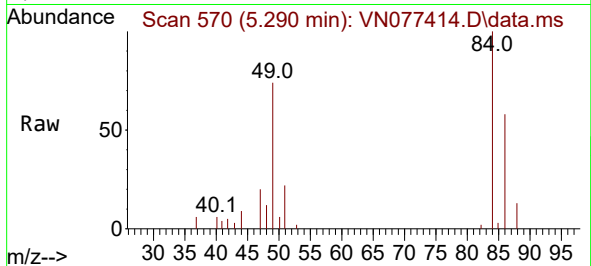




#20
Methylene Chloride
Concen: 2.238 ug/l
RT: 5.290 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN077414.D
Acq: 20 Apr 2023 20:48

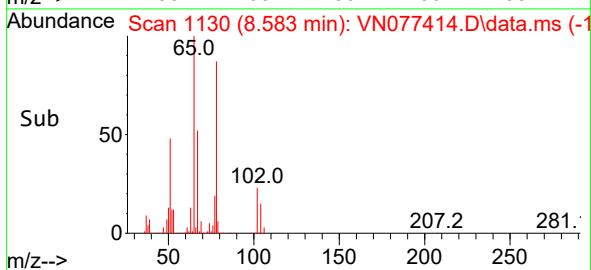
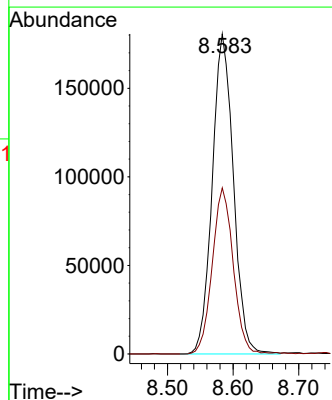
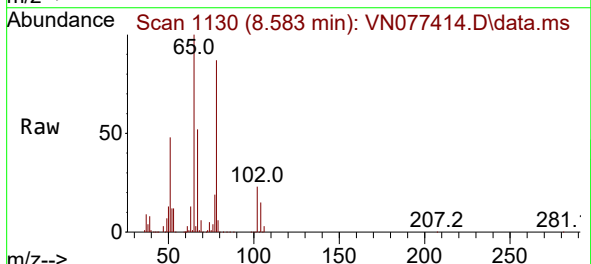
Instrument :
MSVOA_N
ClientSampleId :
SPA-1WC-23-04

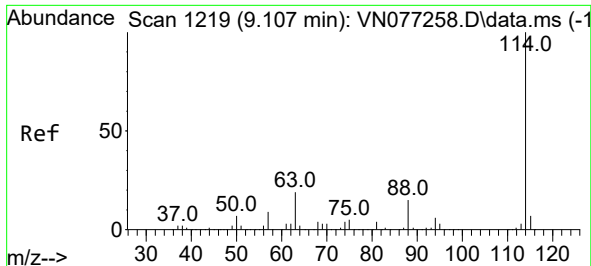
Tgt Ion:	84	Resp:	20150
Ion	Ratio	Lower	Upper
84	100		
49	74.1	80.6	121.0#
51	22.3	24.4	36.6#
86	58.4	47.0	70.6



#33
1,2-Dichloroethane-d4
Concen: 46.707 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN077414.D
Acq: 20 Apr 2023 20:48

Tgt Ion:	65	Resp:	403932
Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	108.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN077414.D

Acq: 20 Apr 2023 20:48

Instrument :

MSVOA_N

ClientSampleId :

SPA-1WC-23-04

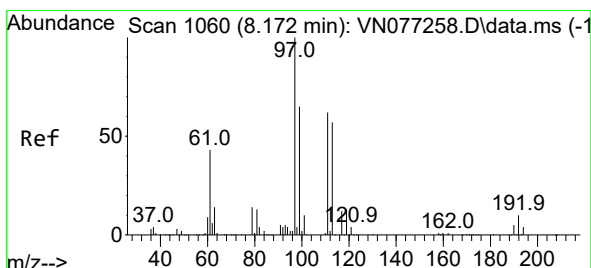
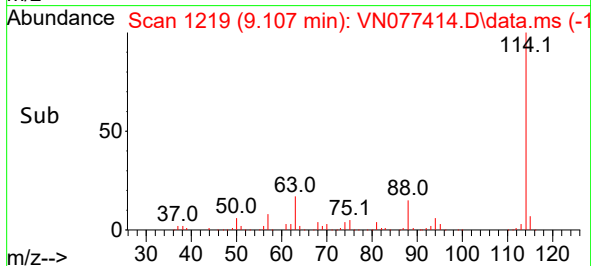
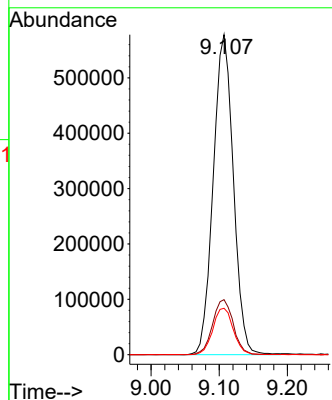
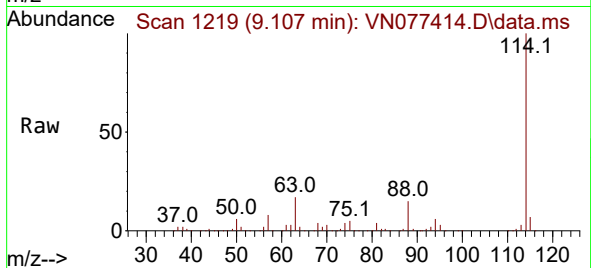
Tgt Ion:114 Resp: 1188410

Ion Ratio Lower Upper

114 100

63 17.2 0.0 37.8

88 14.5 0.0 29.4



#35

Dibromofluoromethane

Concen: 46.315 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VN077414.D

Acq: 20 Apr 2023 20:48

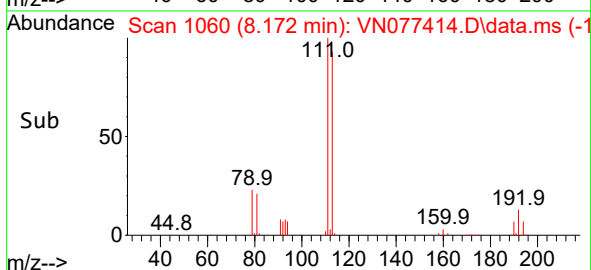
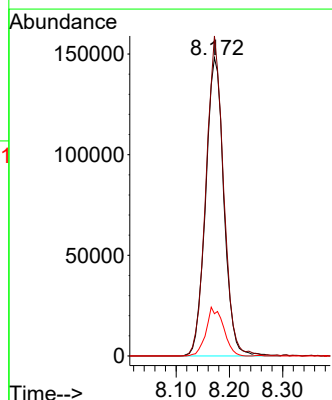
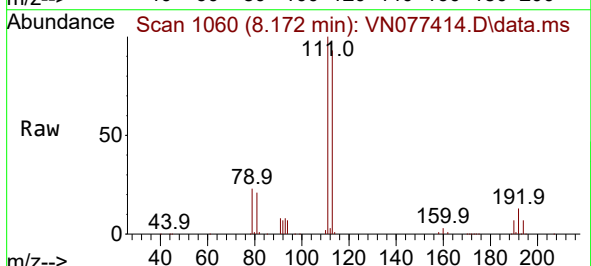
Tgt Ion:113 Resp: 352356

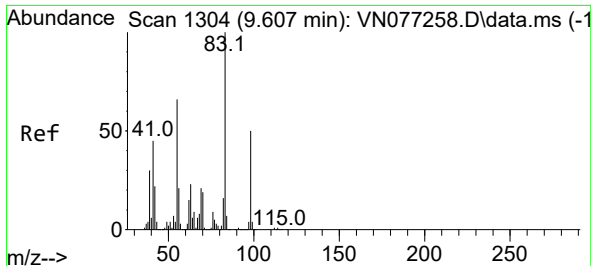
Ion Ratio Lower Upper

113 100

111 103.3 83.4 125.0

192 15.7 13.5 20.3





#39

Methylcyclohexane

Concen: 2.032 ug/l

RT: 9.601 min Scan# 11303

Delta R.T. -0.006 min

Lab File: VN077414.D

Acq: 20 Apr 2023 20:48

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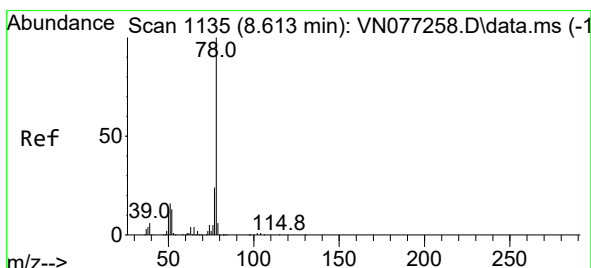
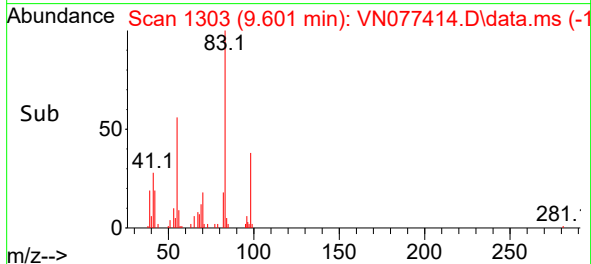
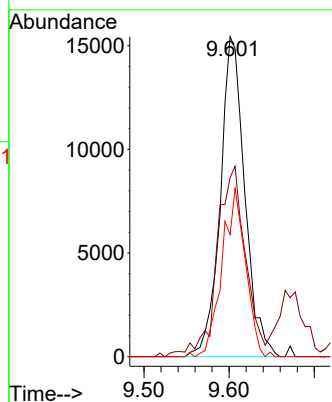
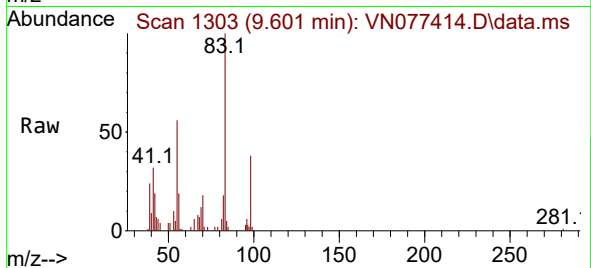
Tgt Ion: 83 Resp: 30835

Ion Ratio Lower Upper

83 100

55 54.3 52.4 78.6

98 38.2 39.8 59.6#



#40

Benzene

Concen: 63.543 ug/l

RT: 8.613 min Scan# 1135

Delta R.T. -0.000 min

Lab File: VN077414.D

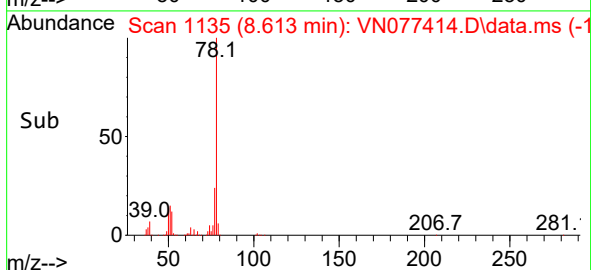
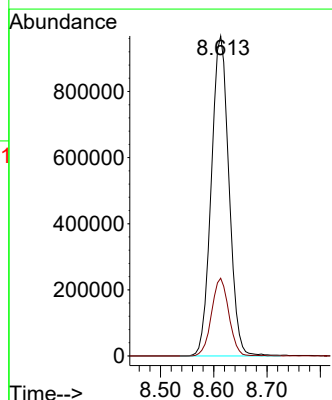
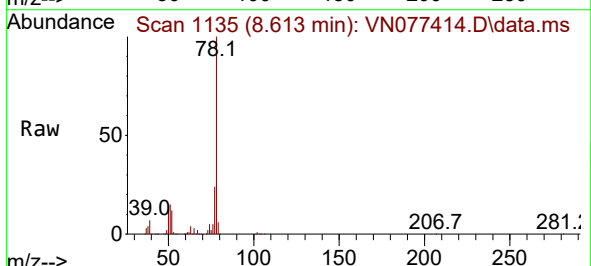
Acq: 20 Apr 2023 20:48

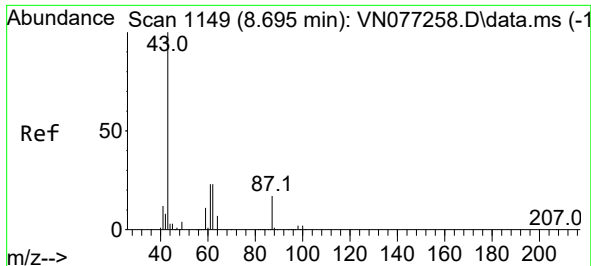
Tgt Ion: 78 Resp: 2230134

Ion Ratio Lower Upper

78 100

77 24.3 19.5 29.3

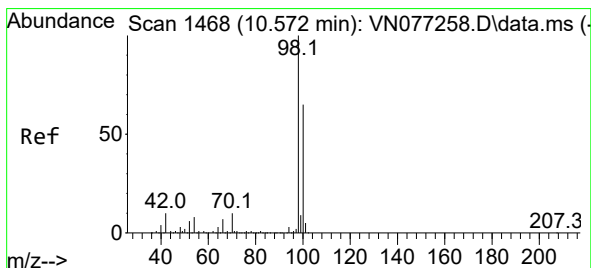
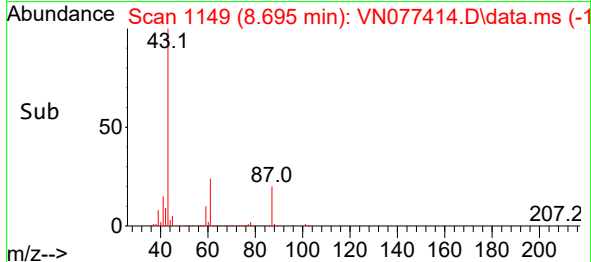
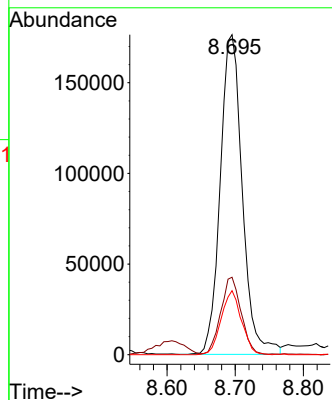
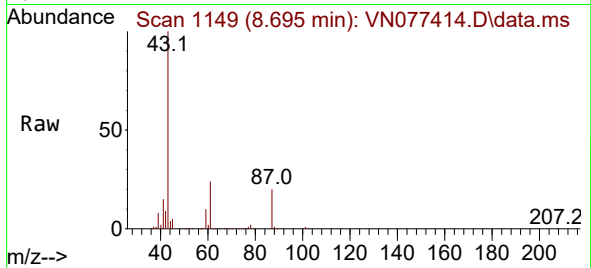




#43
Isopropyl Acetate
Concen: 21.397 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VN077414.D
Acq: 20 Apr 2023 20:48

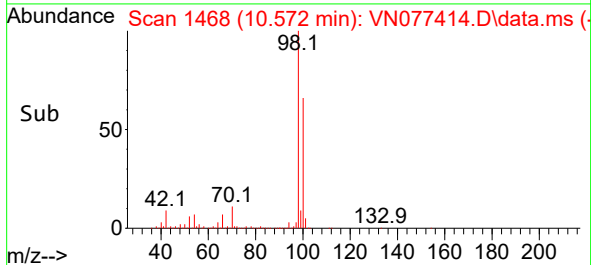
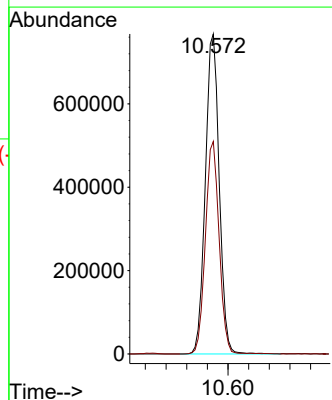
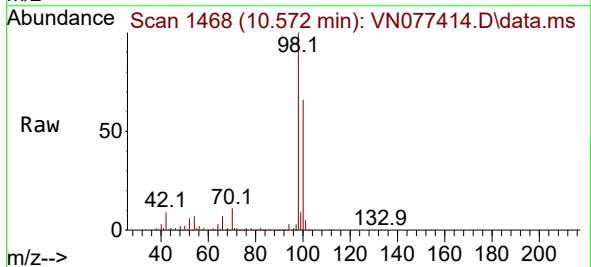
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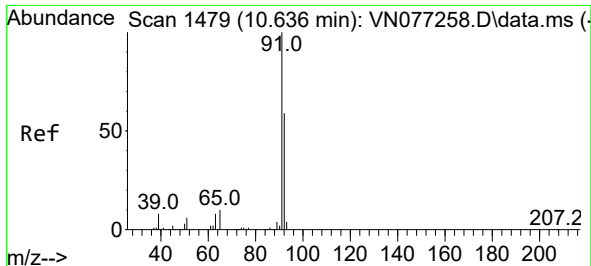
Tgt Ion: 43 Resp: 397480
Ion Ratio Lower Upper
43 100
61 22.2 22.7 34.1#
87 18.4 13.6 20.4



#50
Toluene-d8
Concen: 46.669 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN077414.D
Acq: 20 Apr 2023 20:48

Tgt Ion: 98 Resp: 1429313
Ion Ratio Lower Upper
98 100
100 65.9 51.3 76.9

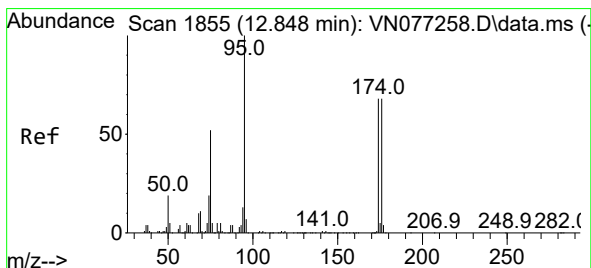
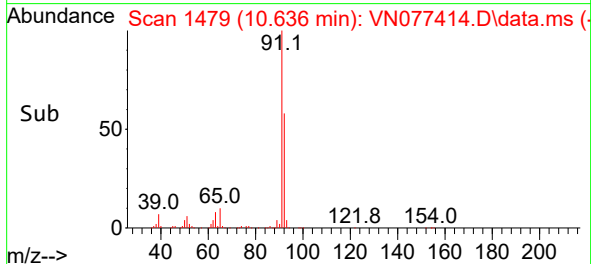
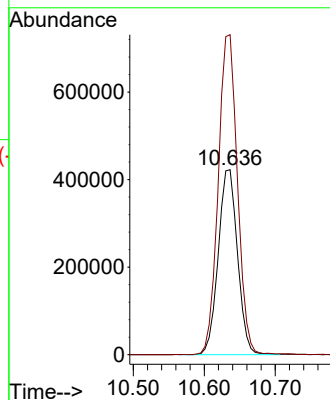
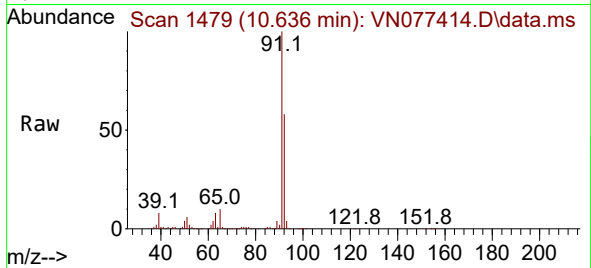




#52
Toluene
Concen: 34.565 ug/l
RT: 10.636 min Scan# 1479
Delta R.T. 0.000 min
Lab File: VN077414.D
Acq: 20 Apr 2023 20:48

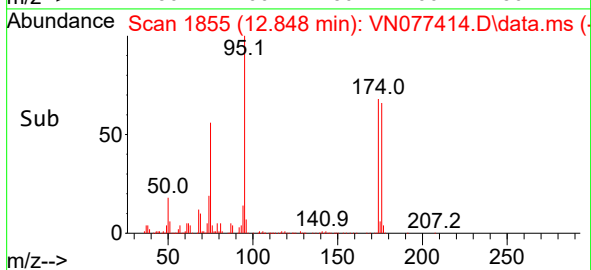
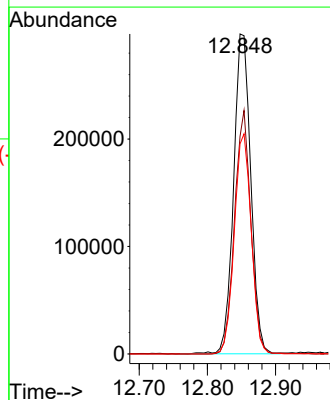
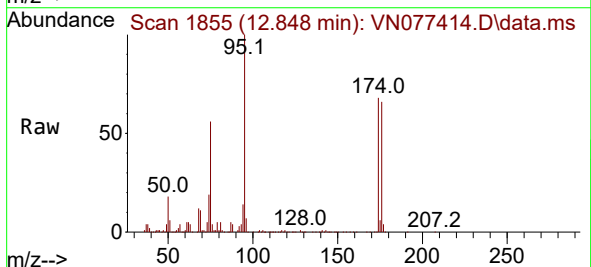
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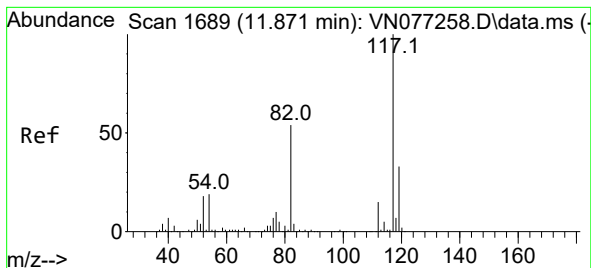
Tgt Ion: 92 Resp: 794041
Ion Ratio Lower Upper
92 100
91 173.0 138.0 207.0



#62
4-Bromofluorobenzene
Concen: 51.192 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. -0.000 min
Lab File: VN077414.D
Acq: 20 Apr 2023 20:48

Tgt Ion: 95 Resp: 521441
Ion Ratio Lower Upper
95 100
174 72.4 0.0 146.8
176 68.0 0.0 139.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.866 min Scan# 1

Delta R.T. -0.005 min

Lab File: VN077414.D

Acq: 20 Apr 2023 20:48

Instrument :

MSVOA_N

ClientSampleId :

SPA-1WC-23-04

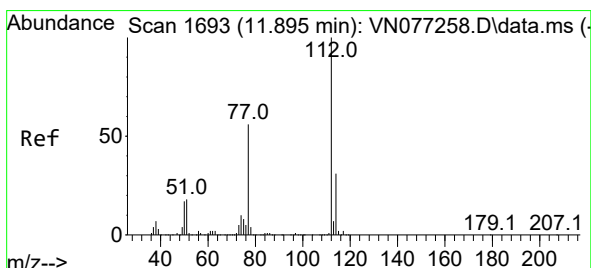
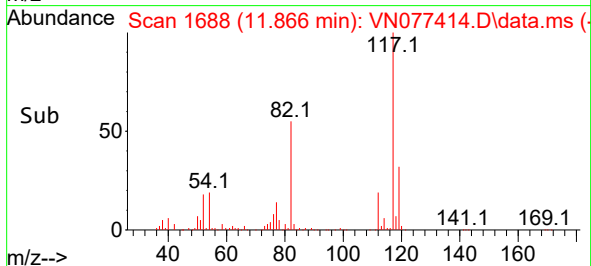
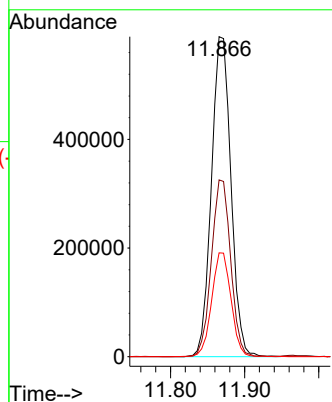
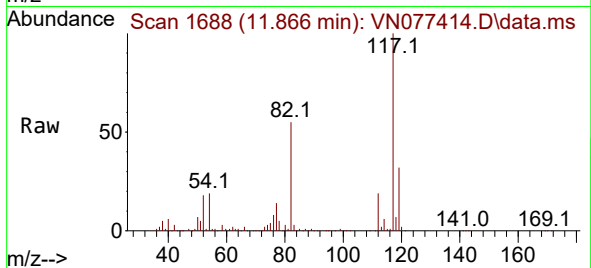
Tgt Ion:117 Resp: 1076848

Ion Ratio Lower Upper

117 100

82 55.3 42.9 64.3

119 32.4 26.2 39.4



#65

Chlorobenzene

Concen: 188.114 ug/l

RT: 11.895 min Scan# 1693

Delta R.T. 0.000 min

Lab File: VN077414.D

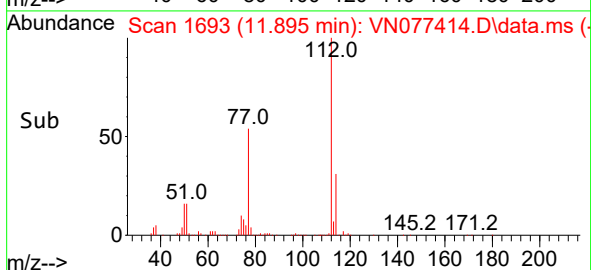
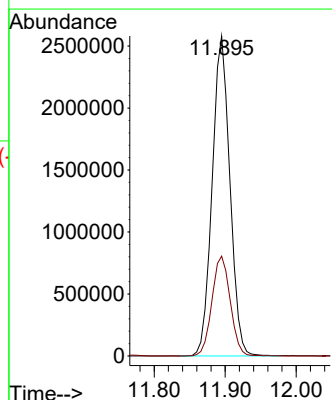
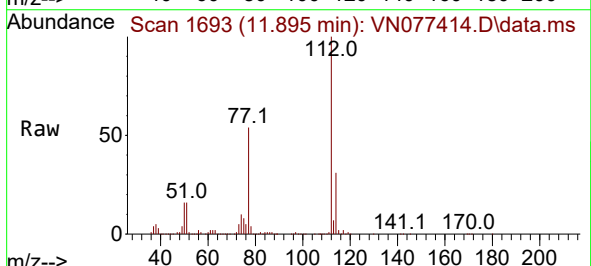
Acq: 20 Apr 2023 20:48

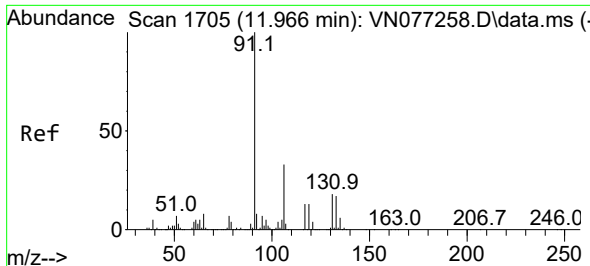
Tgt Ion:112 Resp: 4459821

Ion Ratio Lower Upper

112 100

114 31.2 24.6 36.8

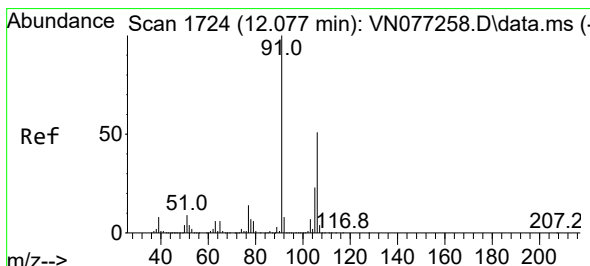
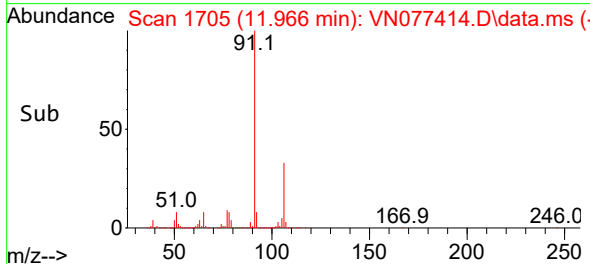
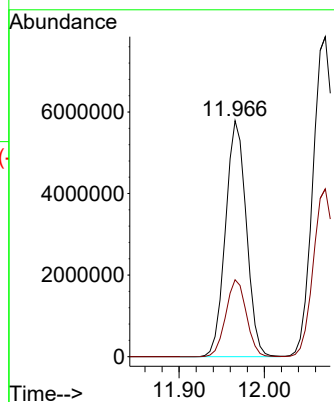
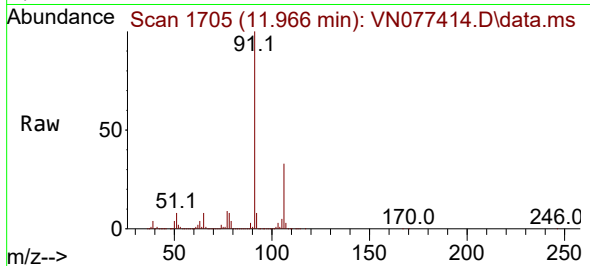




#67
Ethyl Benzene
Concen: 224.419 ug/l
RT: 11.966 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VN077414.D
Acq: 20 Apr 2023 20:48

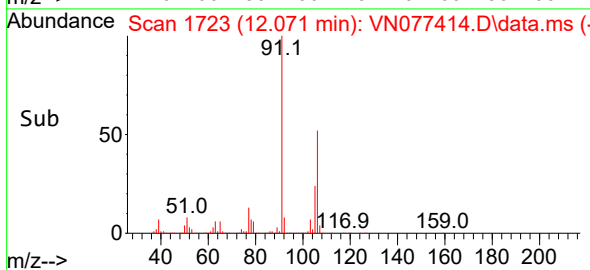
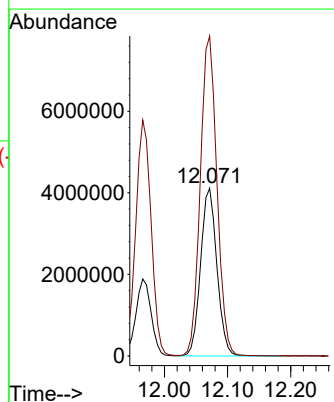
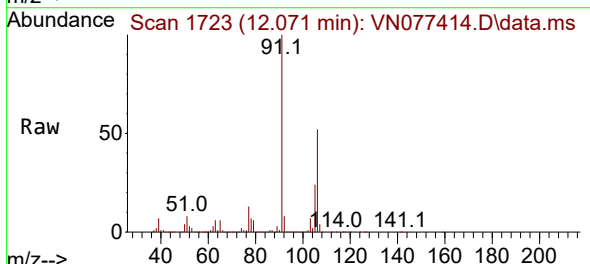
Instrument :
MSVOA_N
ClientSampleId :
SPA-1WC-23-04

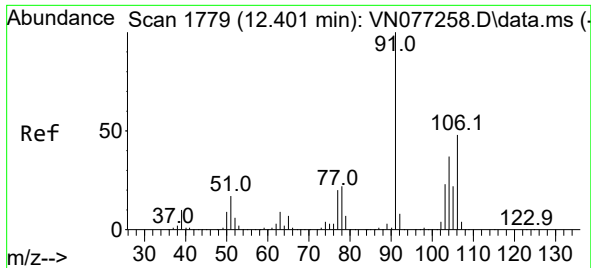
Tgt Ion: 91 Resp: 9818076
Ion Ratio Lower Upper
91 100
106 32.6 26.2 39.2



#68
m/p-Xylenes
Concen: 428.097 ug/l
RT: 12.071 min Scan# 1723
Delta R.T. -0.006 min
Lab File: VN077414.D
Acq: 20 Apr 2023 20:48

Tgt Ion:106 Resp: 7358915
Ion Ratio Lower Upper
106 100
91 194.7 158.7 238.1

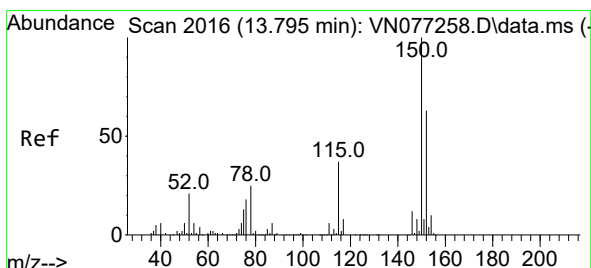
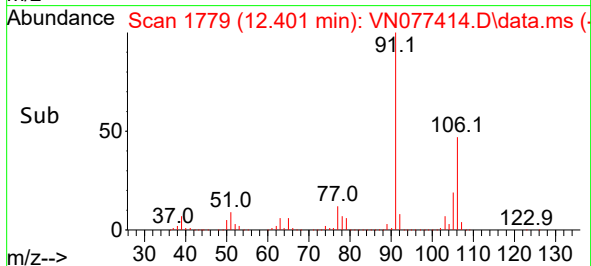
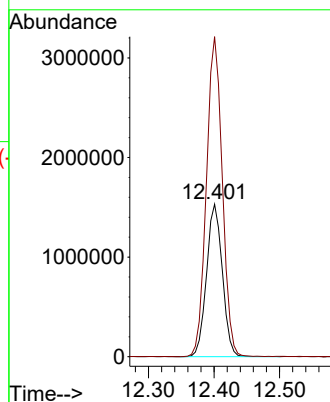
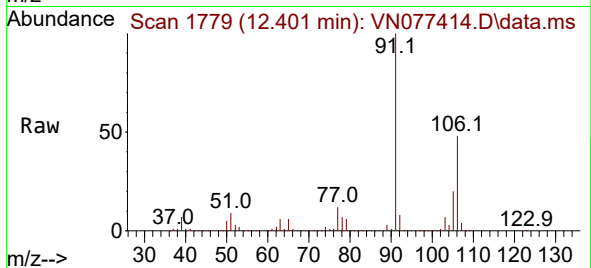




#69
o-Xylene
Concen: 151.392 ug/l
RT: 12.401 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077414.D
Acq: 20 Apr 2023 20:48

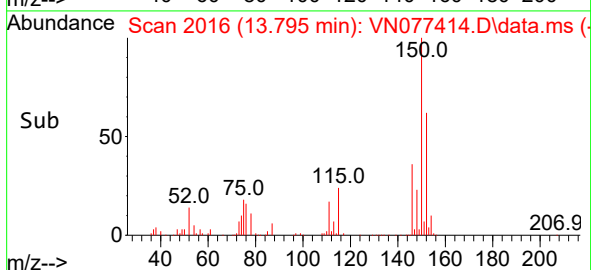
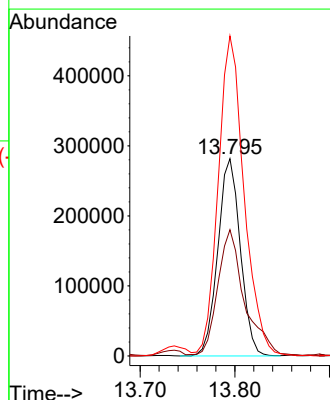
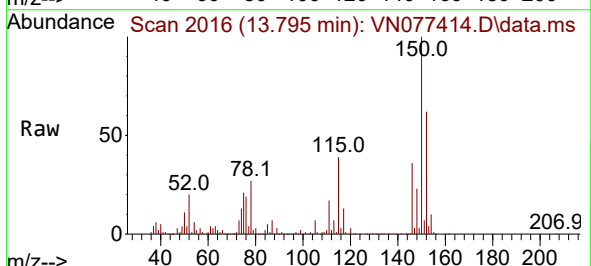
Instrument :
MSVOA_N
ClientSampleId :
SPA-1WC-23-04

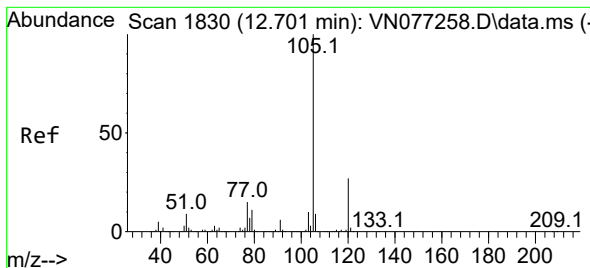
Tgt Ion:106 Resp: 2567339
Ion Ratio Lower Upper
106 100
91 211.2 104.0 312.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077414.D
Acq: 20 Apr 2023 20:48

Tgt Ion:152 Resp: 465679
Ion Ratio Lower Upper
152 100
115 75.5 32.1 96.3
150 186.3 0.0 354.8





#73

Isopropylbenzene

Concen: 11.417 ug/l

RT: 12.701 min Scan# 1830

Delta R.T. -0.000 min

Lab File: VN077414.D

Acq: 20 Apr 2023 20:48

Instrument :

MSVOA_N

ClientSampleId :

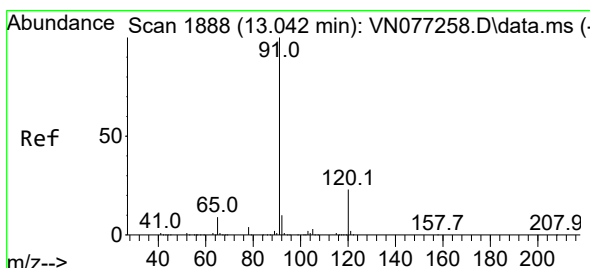
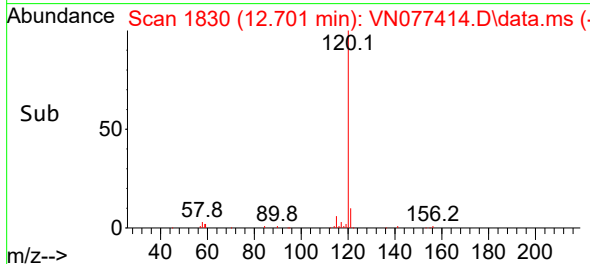
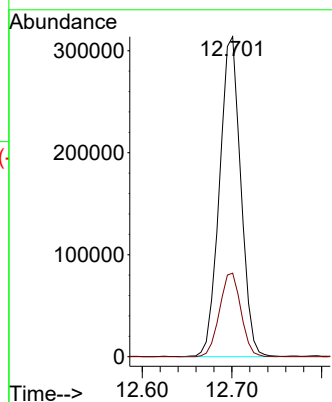
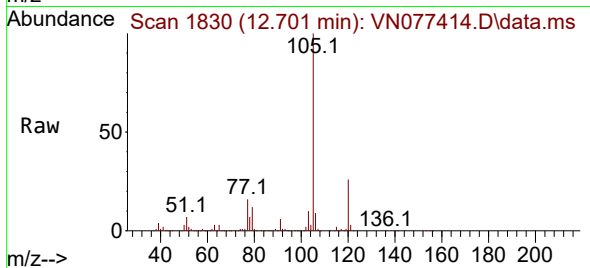
SPA-1WC-23-04

Tgt Ion:105 Resp: 516424

Ion Ratio Lower Upper

105 100

120 26.3 13.2 39.6



#78

n-propylbenzene

Concen: 13.861 ug/l

RT: 13.036 min Scan# 1887

Delta R.T. -0.006 min

Lab File: VN077414.D

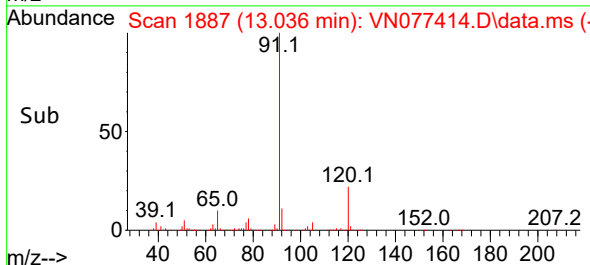
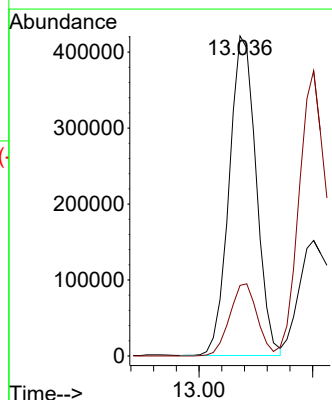
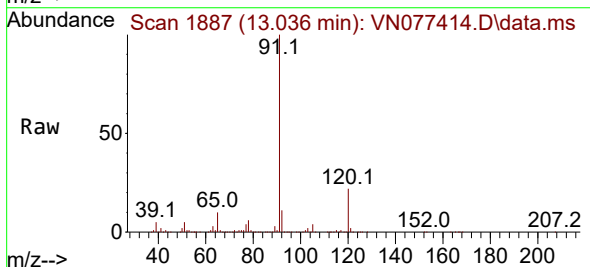
Acq: 20 Apr 2023 20:48

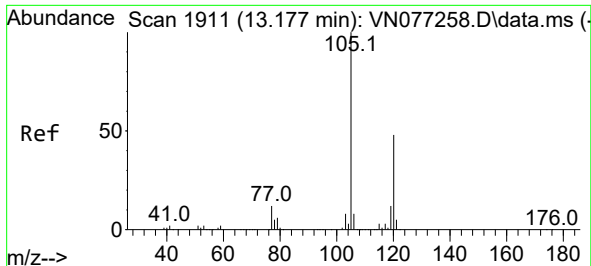
Tgt Ion: 91 Resp: 692713

Ion Ratio Lower Upper

91 100

120 23.0 11.5 34.5

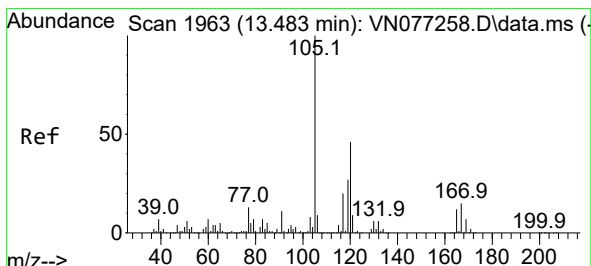
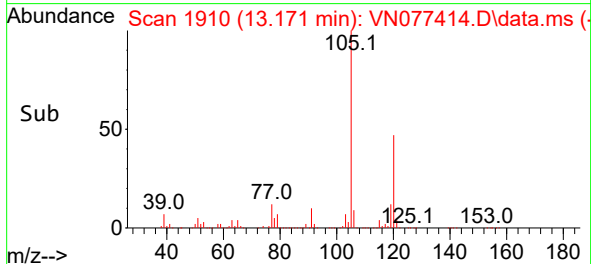
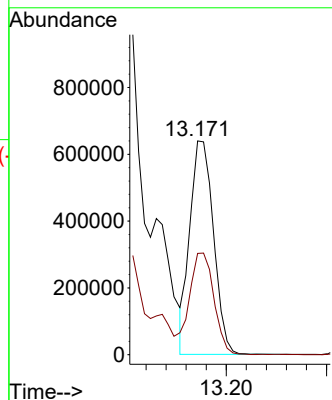
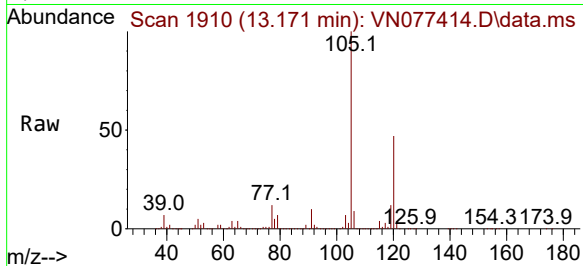




#80
 1,3,5-Trimethylbenzene
 Concen: 28.974 ug/l
 RT: 13.171 min Scan# 1911
 Delta R.T. -0.006 min
 Lab File: VN077414.D
 Acq: 20 Apr 2023 20:48

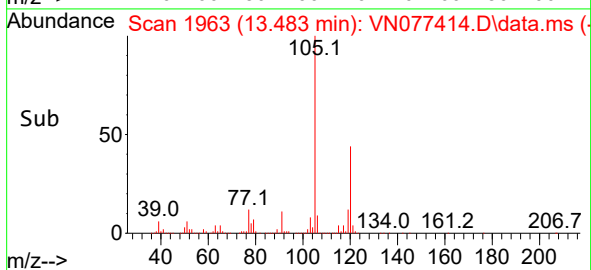
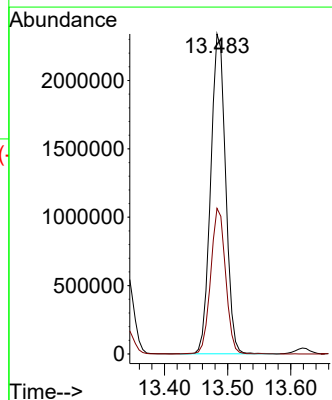
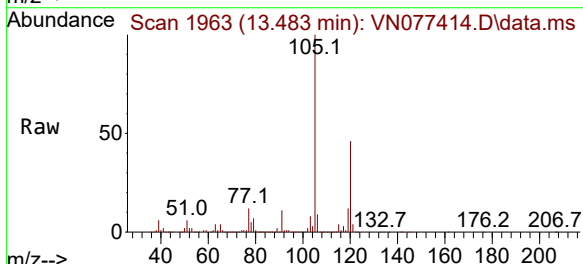
Instrument :
 MSVOA_N
 ClientSampleId :
 SPA-1WC-23-04

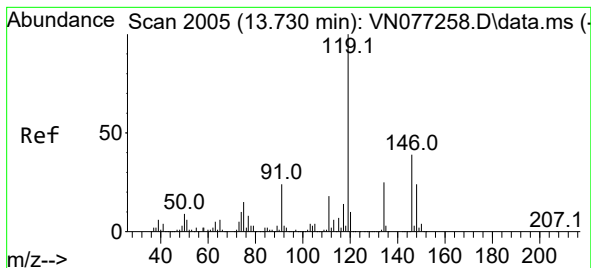
Tgt Ion:105 Resp: 1046729
 Ion Ratio Lower Upper
 105 100
 120 49.9 24.3 73.0



#84
 1,2,4-Trimethylbenzene
 Concen: 107.471 ug/l
 RT: 13.483 min Scan# 1963
 Delta R.T. 0.000 min
 Lab File: VN077414.D
 Acq: 20 Apr 2023 20:48

Tgt Ion:105 Resp: 3835705
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.5 67.5





#86

p-Isopropyltoluene

Concen: 4.750 ug/l

RT: 13.730 min Scan# 2005

Delta R.T. 0.000 min

Lab File: VN077414.D

Acq: 20 Apr 2023 20:48

Instrument :

MSVOA_N

ClientSampleId :

SPA-1WC-23-04

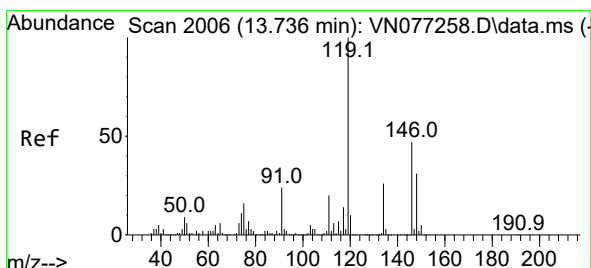
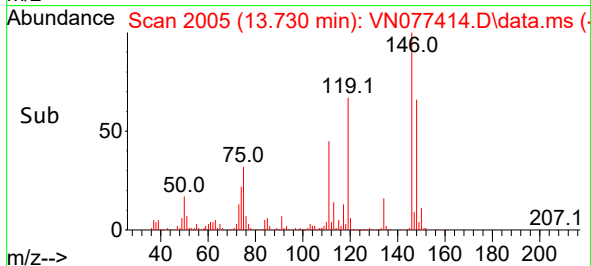
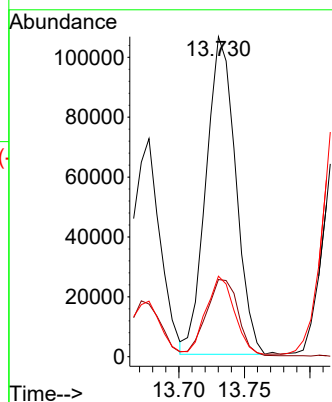
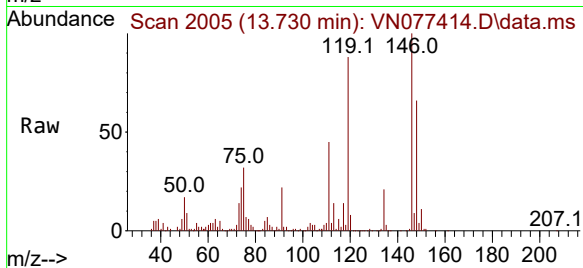
Tgt Ion:119 Resp: 167309

Ion Ratio Lower Upper

119 100

134 25.7 12.9 38.6

91 23.1 12.3 36.8



#87

1,3-Dichlorobenzene

Concen: 13.495 ug/l

RT: 13.736 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VN077414.D

Acq: 20 Apr 2023 20:48

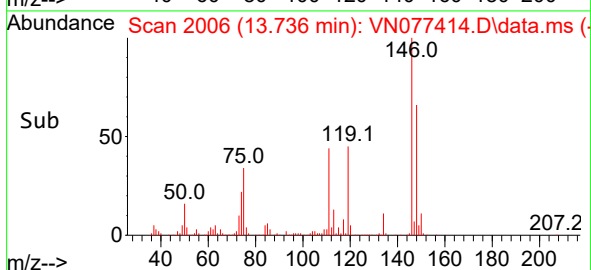
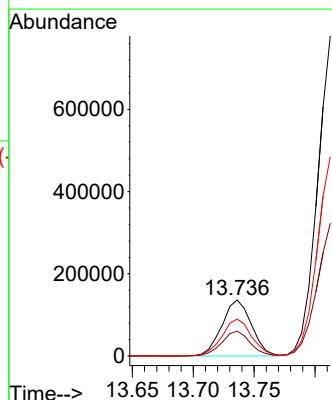
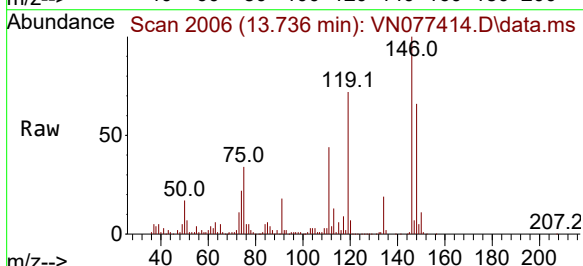
Tgt Ion:146 Resp: 229615

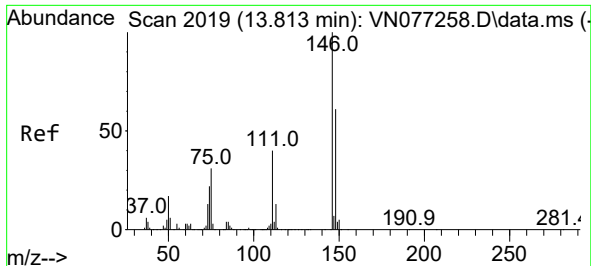
Ion Ratio Lower Upper

146 100

111 42.9 21.8 65.4

148 65.9 31.7 95.1

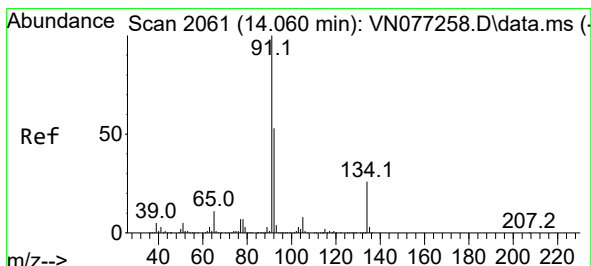
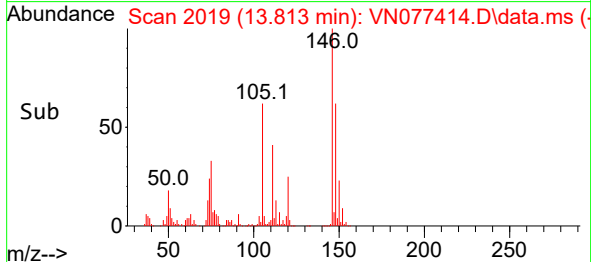
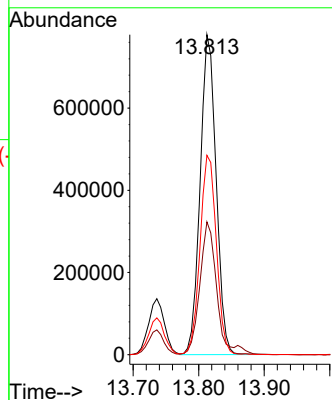
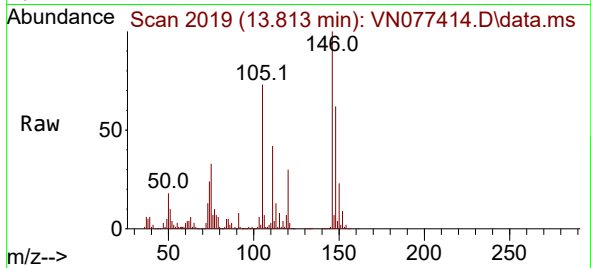




#88
1,4-Dichlorobenzene
Concen: 78.814 ug/l
RT: 13.813 min Scan# 2019
Delta R.T. -0.000 min
Lab File: VN077414.D
Acq: 20 Apr 2023 20:48

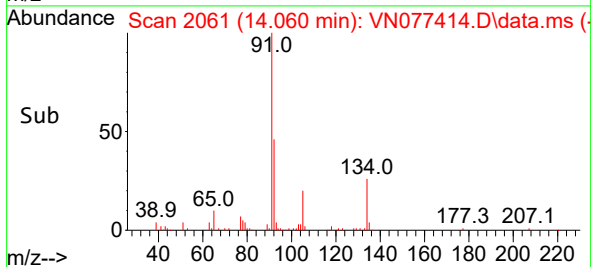
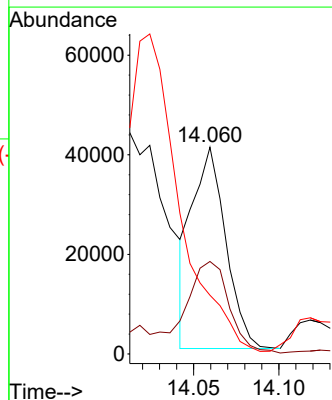
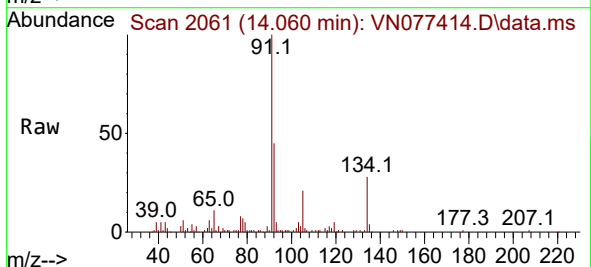
Instrument :
MSVOA_N
ClientSampleId :
SPA-1WC-23-04

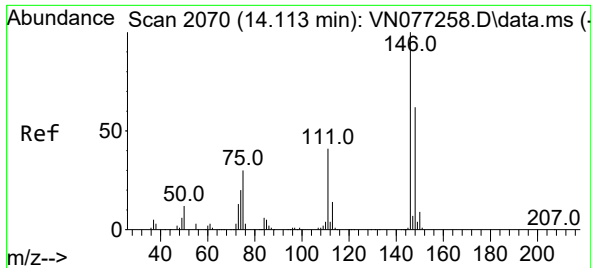
Tgt Ion:146 Resp: 1322425
Ion Ratio Lower Upper
146 100
111 44.0 20.4 61.2
148 63.9 31.6 95.0



#89
n-Butylbenzene
Concen: 1.900 ug/l
RT: 14.060 min Scan# 2061
Delta R.T. -0.000 min
Lab File: VN077414.D
Acq: 20 Apr 2023 20:48

Tgt Ion: 91 Resp: 55547
Ion Ratio Lower Upper
91 100
92 54.3 26.7 80.0
134 0.0 12.8 38.3#

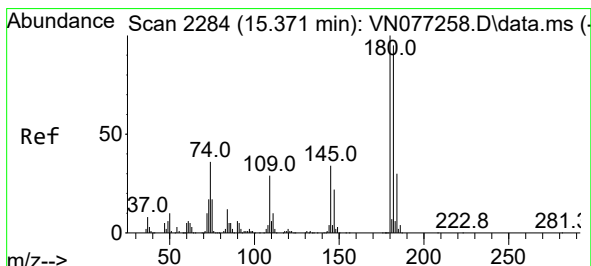
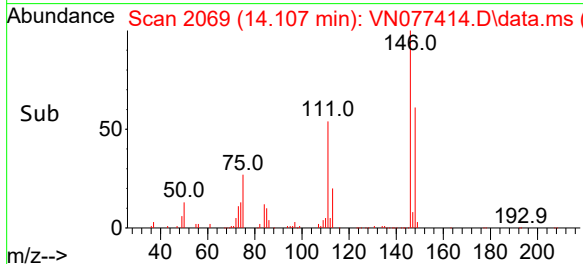
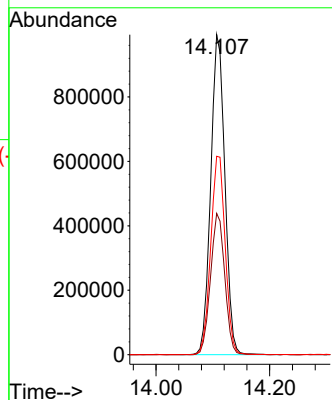
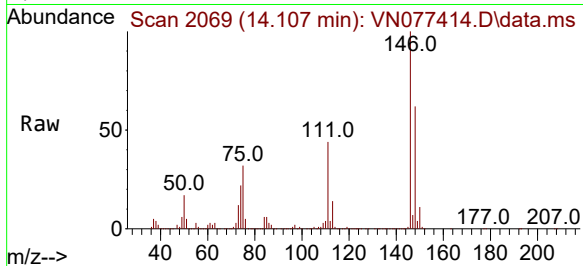




#91
1,2-Dichlorobenzene
Concen: 100.548 ug/l
RT: 14.107 min Scan# 2070
Delta R.T. -0.006 min
Lab File: VN077414.D
Acq: 20 Apr 2023 20:48

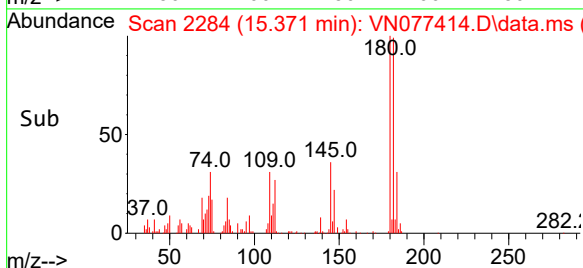
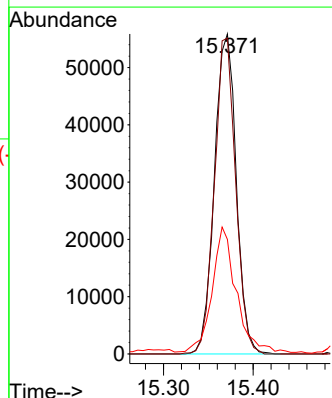
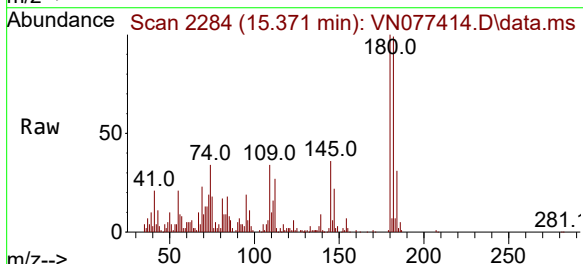
Instrument :
MSVOA_N
ClientSampleId :
SPA-1WC-23-04

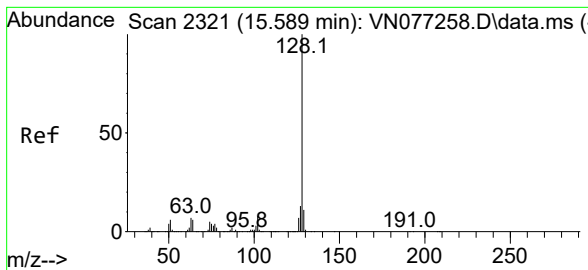
Tgt Ion:146 Resp: 1711470
Ion Ratio Lower Upper
146 100
111 44.4 21.9 65.5
148 63.6 31.9 95.5



#93
1,2,4-Trichlorobenzene
Concen: 15.371 ug/l
RT: 15.371 min Scan# 2284
Delta R.T. 0.000 min
Lab File: VN077414.D
Acq: 20 Apr 2023 20:48

Tgt Ion:180 Resp: 94449
Ion Ratio Lower Upper
180 100
182 96.0 46.7 140.0
145 45.7 16.6 49.8





#95
Naphthalene
Concen: 92.369 ug/l
RT: 15.589 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN077414.D
Acq: 20 Apr 2023 20:48

Instrument :
MSVOA_N
ClientSampleId :
SPA-1WC-23-04

Tgt Ion:128 Resp: 2132081
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 10.9 8.9 13.3

