

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042022\
 Data File : VN072078.D
 Acq On : 20 Apr 2022 15:04
 Operator : JC\MD
 Sample : N2480-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 21 03:29:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

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

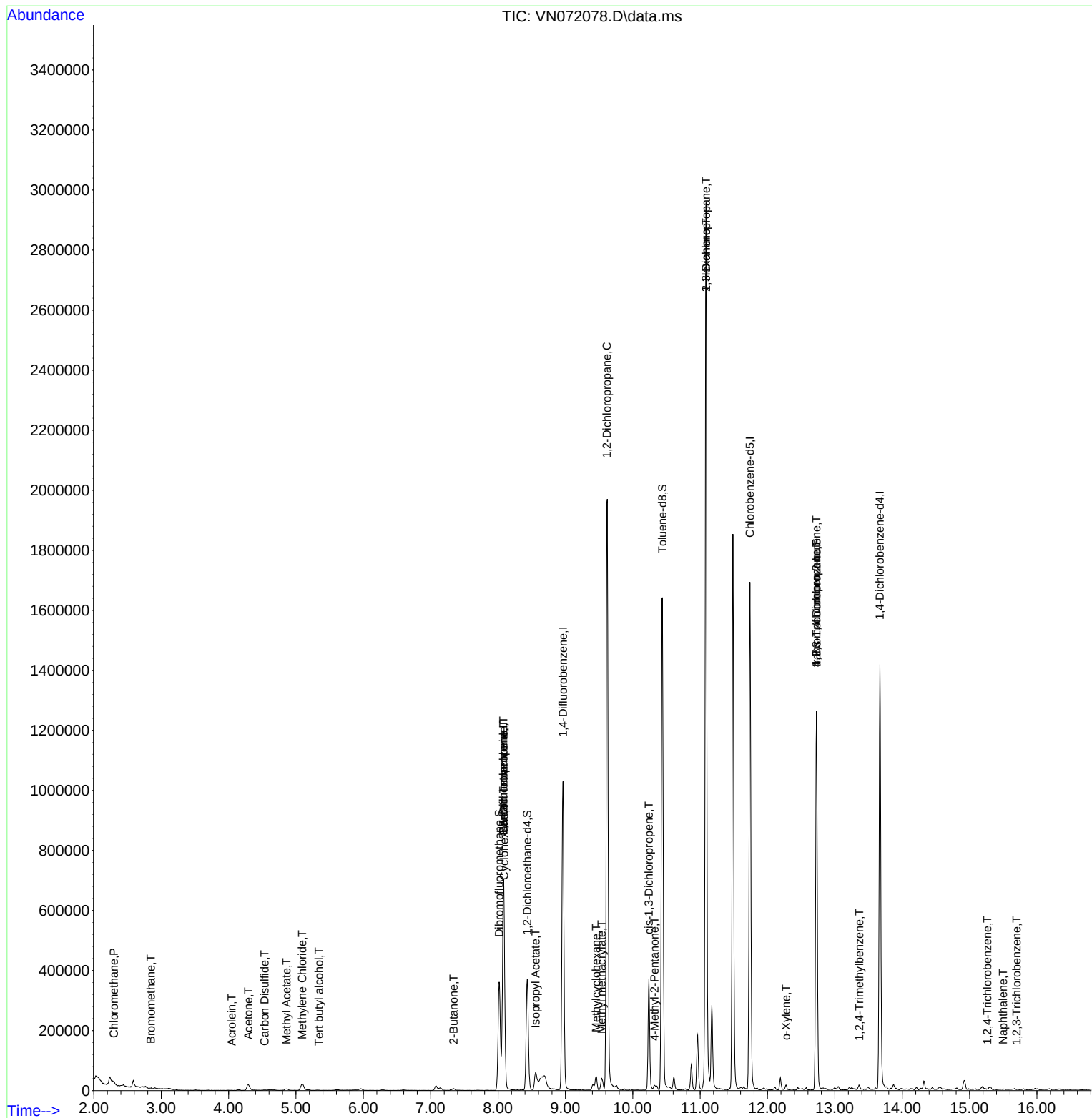
Internal Standards						
1) Pentafluorobenzene	8.081	168	568230	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	964227	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1038170	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	418088	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	306635	47.269	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.540%		
35) Dibromofluoromethane	8.016	113	270689	47.708	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.420%		
50) Toluene-d8	10.439	98	1240412	53.441	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	106.880%		
62) 4-Bromofluorobenzene	12.727	95	449170	59.836	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	119.680%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	1687	0.295	ug/l	93
5) Bromomethane	2.846	94	909	0.222	ug/l	81
11) Tert butyl alcohol	5.340	59	458	0.435	ug/l #	72
13) Acrolein	4.045	56	498	0.388	ug/l #	32
16) Acetone	4.293	43	33772	12.182	ug/l	91
17) Carbon Disulfide	4.534	76	2889	0.268	ug/l #	75
18) Methyl Acetate	4.857	43	11813	0.213	ug/l #	74
20) Methylene Chloride	5.092	84	19236	3.292	ug/l	98
25) 2-Butanone	7.339	43	10632	2.660	ug/l	99
31) Cyclohexane	8.092	56	24933	2.826	ug/l #	61
36) 1,1-Dichloropropene	8.081	75	39844	5.029	ug/l #	48
38) Carbon Tetrachloride	8.081	117	49700	6.400	ug/l #	16
39) Methylcyclohexane	9.457	83	20752	2.200	ug/l	90
43) Isopropyl Acetate	8.557	43	71465	4.954	ug/l #	80
45) 1,2-Dichloropropane	9.616	63	2909	0.465	ug/l #	44
48) Methyl methacrylate	9.539	41	9934	1.660	ug/l #	10
49) 1,4-Dioxane	9.610	88	304	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.322	43	8204	0.989	ug/l	100
54) cis-1,3-Dichloropropene	10.239	75	73558	7.601	ug/l #	61
57) 1,3-Dichloropropane	11.086	76	33335	3.062	ug/l #	43
59) 2-Hexanone	11.086	43	413116	70.750	ug/l #	48
69) o-Xylene	12.274	106	3638	0.271	ug/l	87
76) 1,2,3-Trichloropropane	12.727	75	214889	22.187	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	214889	68.757	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.363	105	8057	0.296	ug/l	84
93) 1,2,4-Trichlorobenzene	15.262	180	131	2.105	ug/l #	21
95) Naphthalene	15.498	128	3150	3.956	ug/l #	83
96) 1,2,3-Trichlorobenzene	15.698	180	269	2.454	ug/l #	28

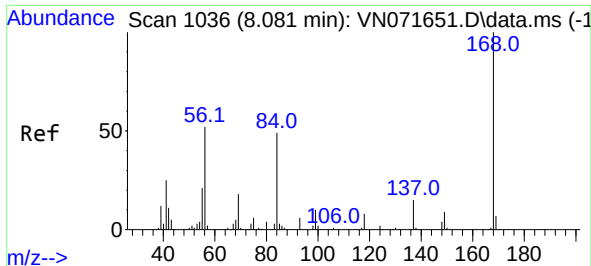
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042022\
Data File : VN072078.D
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Sample : N2480-02
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ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

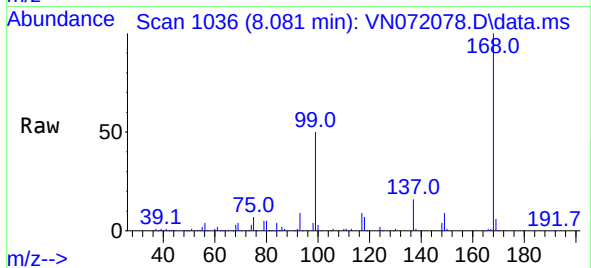
Quant Time: Apr 21 03:29:54 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 31 01:57:54 2022
Response via : Initial Calibration



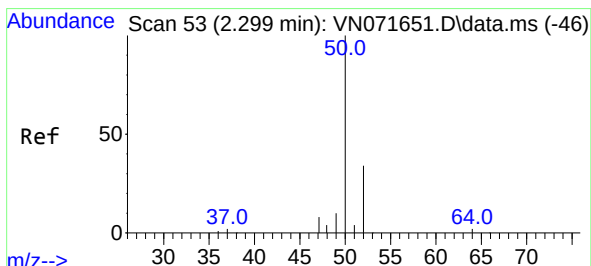
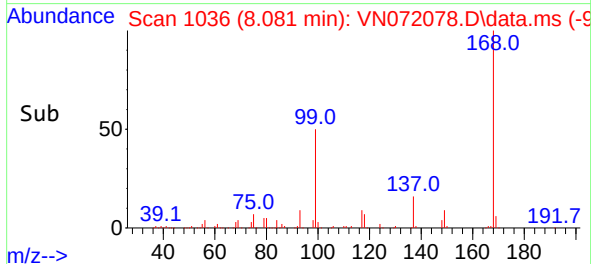
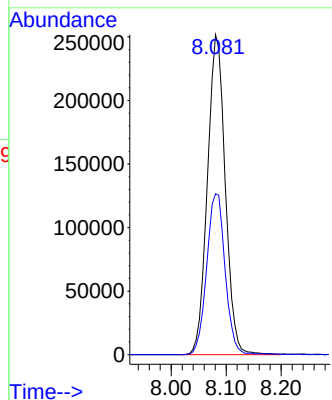


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN072078.D
Acq: 20 Apr 2022 15:04

Instrument :
MSVOA_N
ClientSampleId :

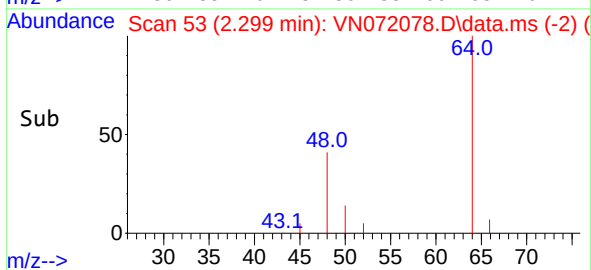
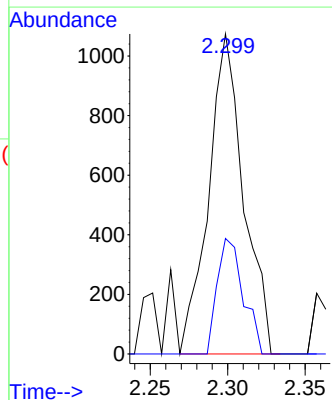
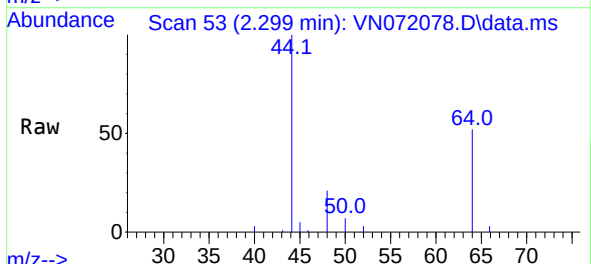


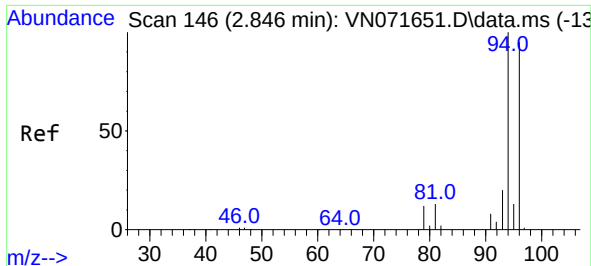
Tgt Ion:168 Resp: 568230
Ion Ratio Lower Upper
168 100
99 50.3 42.3 63.5



#3
Chloromethane
Concen: 0.295 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN072078.D
Acq: 20 Apr 2022 15:04

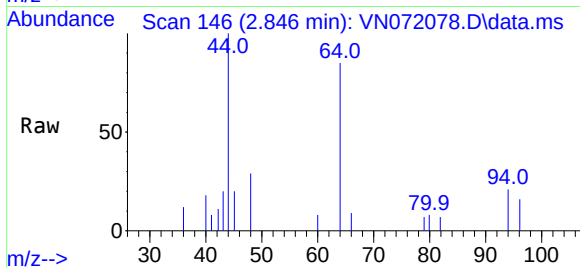
Tgt Ion: 50 Resp: 1687
Ion Ratio Lower Upper
50 100
52 36.1 25.7 38.5



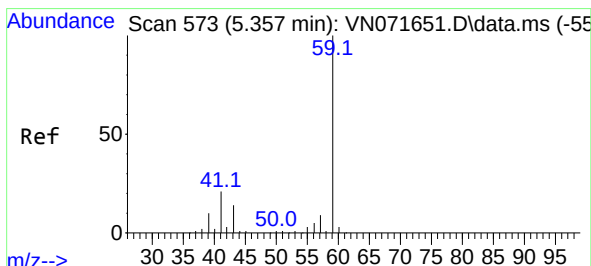
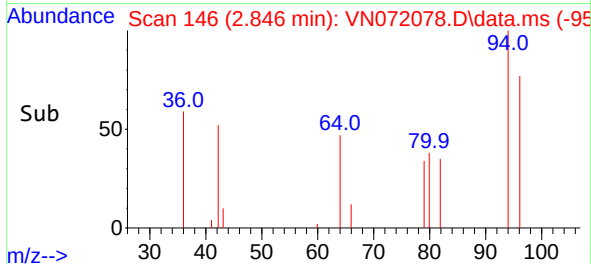
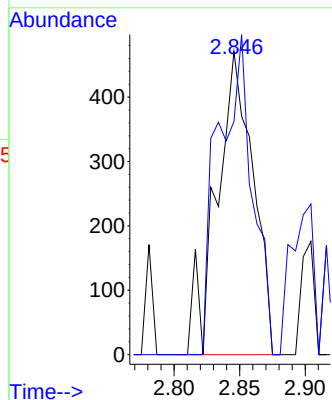


#5
Bromomethane
Concen: 0.222 ug/l
RT: 2.846 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN072078.D
Acq: 20 Apr 2022 15:04

Instrument :
MSVOA_N
ClientSampleId :

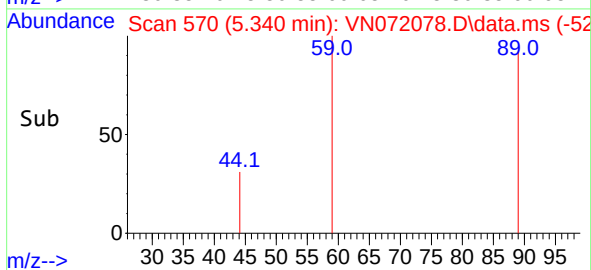
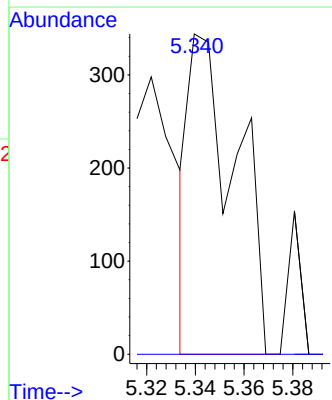
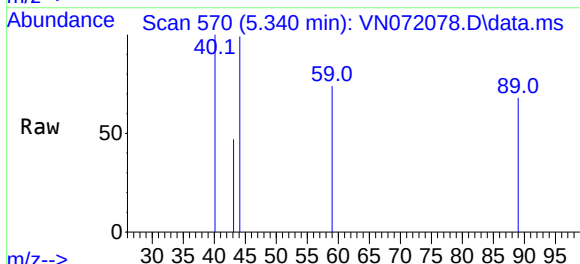


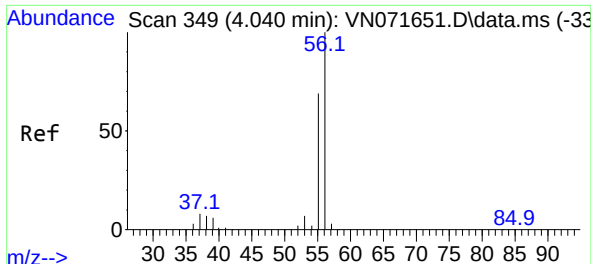
Tgt Ion: 94 Resp: 909
Ion Ratio Lower Upper
94 100
96 76.9 76.0 114.0



#11
Tert butyl alcohol
Concen: 0.435 ug/l
RT: 5.340 min Scan# 570
Delta R.T. -0.017 min
Lab File: VN072078.D
Acq: 20 Apr 2022 15:04

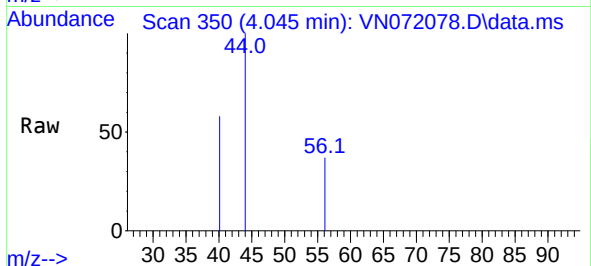
Tgt Ion: 59 Resp: 458
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



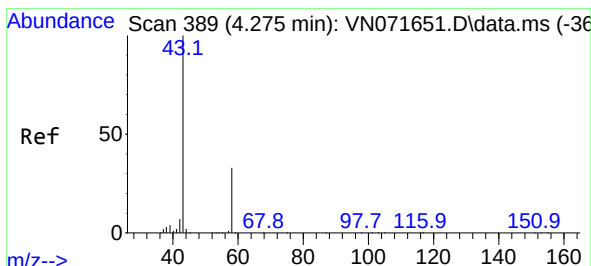
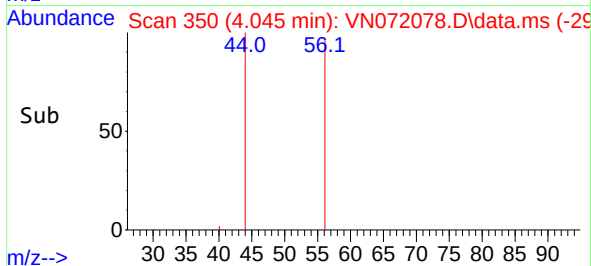
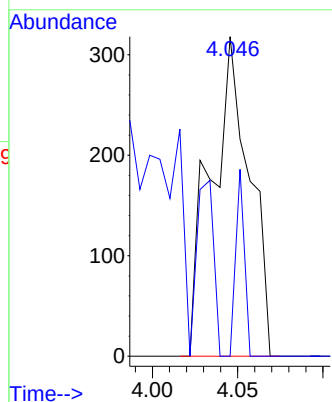


#13
Acrolein
Concen: 0.388 ug/l
RT: 4.045 min Scan# 31
Delta R.T. 0.005 min
Lab File: VN072078.D
Acq: 20 Apr 2022 15:04

Instrument :
MSVOA_N
ClientSampleId :

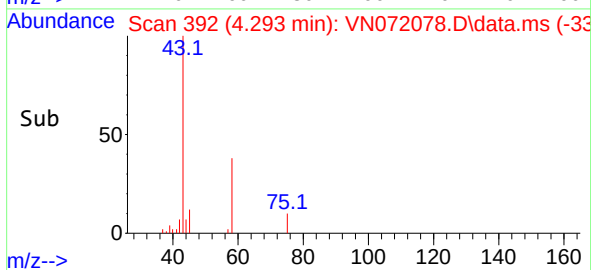
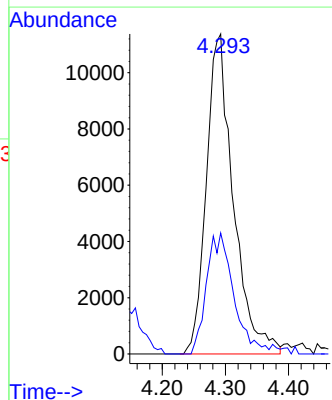
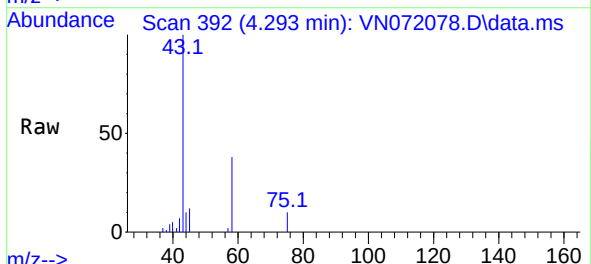


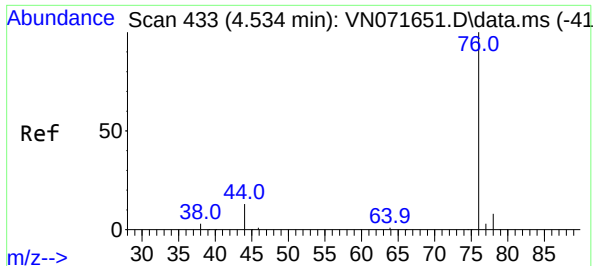
Tgt Ion: 56 Resp: 498
Ion Ratio Lower Upper
56 100
55 13.3 54.8 82.2#



#16
Acetone
Concen: 12.182 ug/l
RT: 4.293 min Scan# 392
Delta R.T. 0.018 min
Lab File: VN072078.D
Acq: 20 Apr 2022 15:04

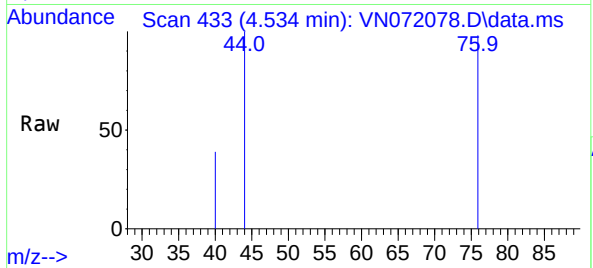
Tgt Ion: 43 Resp: 33772
Ion Ratio Lower Upper
43 100
58 37.8 26.0 39.0



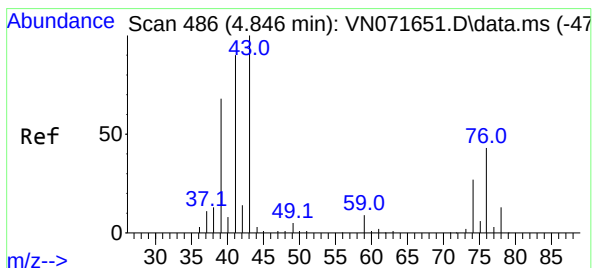
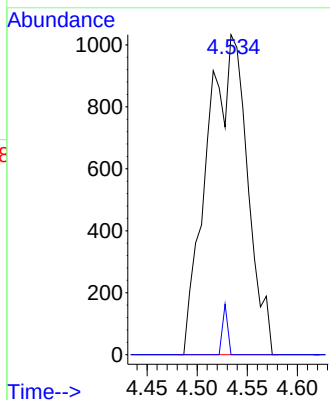
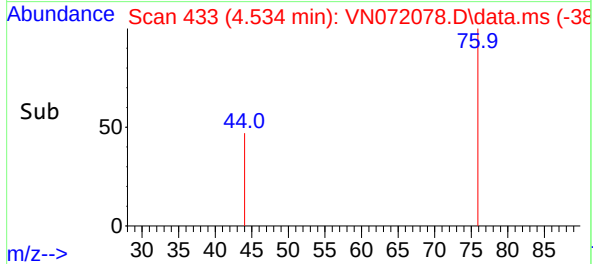


#17
Carbon Disulfide
Concen: 0.268 ug/l
RT: 4.534 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN072078.D
Acq: 20 Apr 2022 15:04

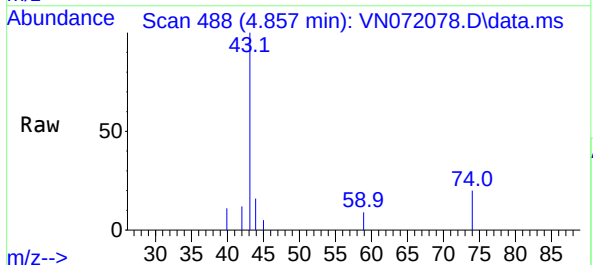
Instrument :
MSVOA_N
ClientSampleId :



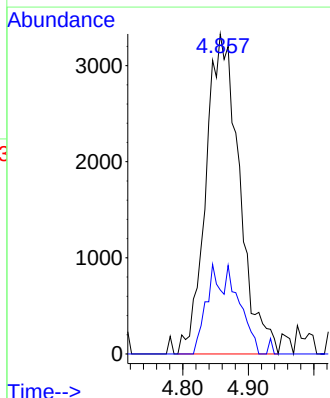
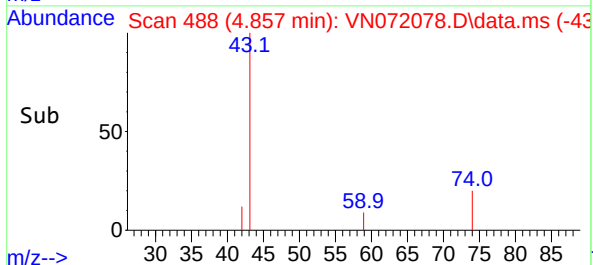
Tgt Ion: 76 Resp: 2889
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

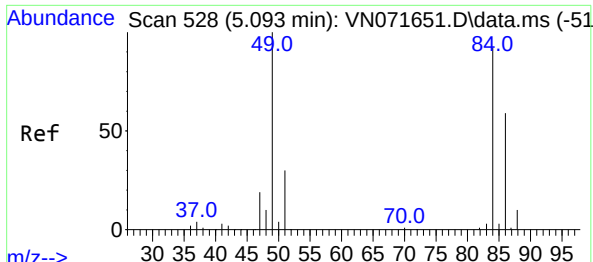


#18
Methyl Acetate
Concen: 0.213 ug/l
RT: 4.857 min Scan# 488
Delta R.T. 0.011 min
Lab File: VN072078.D
Acq: 20 Apr 2022 15:04



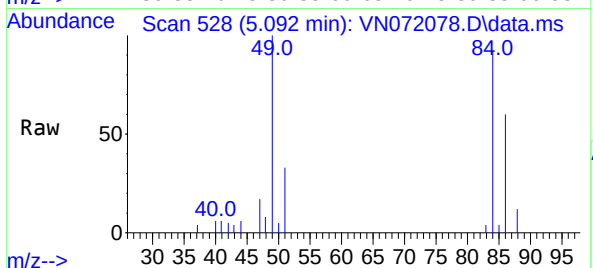
Tgt Ion: 43 Resp: 11813
Ion Ratio Lower Upper
43 100
74 13.4 21.6 32.4#





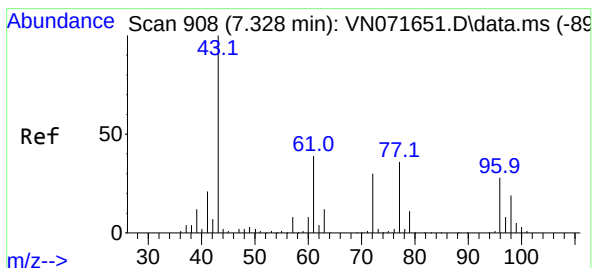
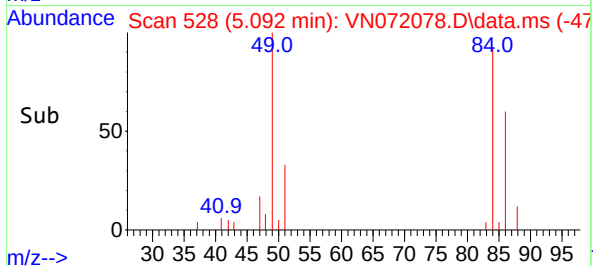
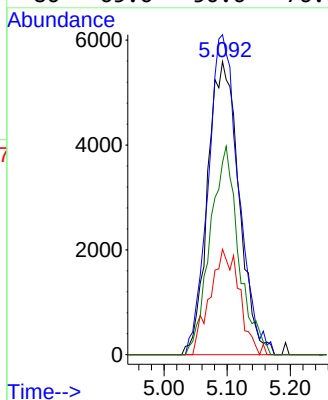
#20
Methylene Chloride
Concen: 3.292 ug/l
RT: 5.092 min Scan# 51
Delta R.T. -0.001 min
Lab File: VN072078.D
Acq: 20 Apr 2022 15:04

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 19236

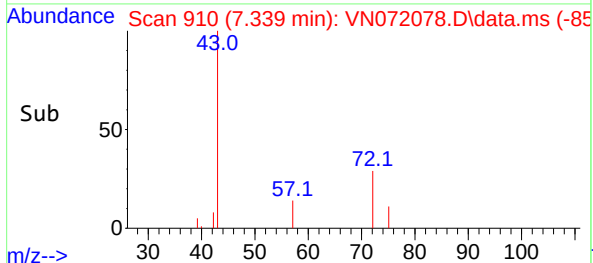
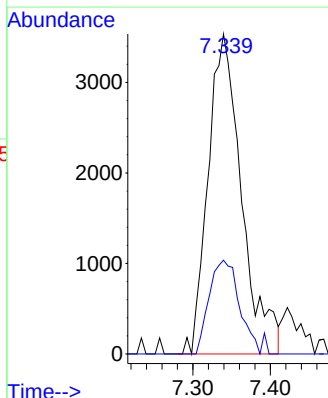
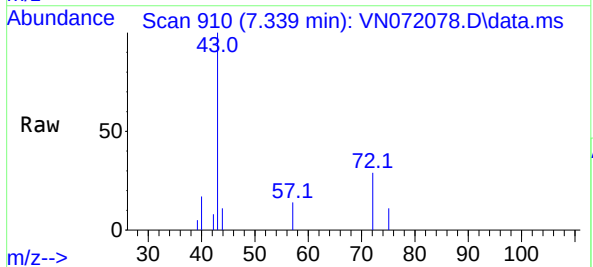
Ion	Ratio	Lower	Upper
84	100		
49	109.2	88.3	132.5
51	36.0	28.2	42.2
86	65.6	50.6	76.0

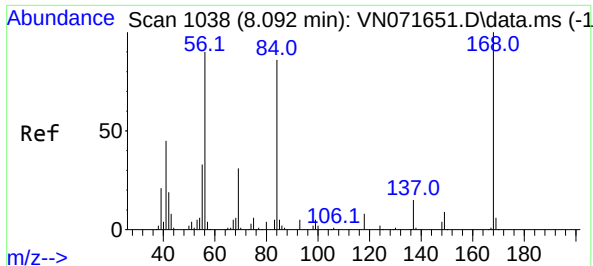


#25
2-Butanone
Concen: 2.660 ug/l
RT: 7.339 min Scan# 910
Delta R.T. 0.011 min
Lab File: VN072078.D
Acq: 20 Apr 2022 15:04

Tgt Ion: 43 Resp: 10632

Ion	Ratio	Lower	Upper
43	100		
72	29.3	23.7	35.5





#31

Cyclohexane

Concen: 2.826 ug/l

RT: 8.092 min Scan# 1038

Delta R.T. 0.000 min

Lab File: VN072078.D

Acq: 20 Apr 2022 15:04

Instrument :

MSVOA_N

ClientSampleId :

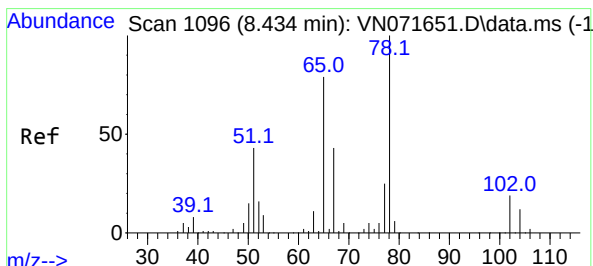
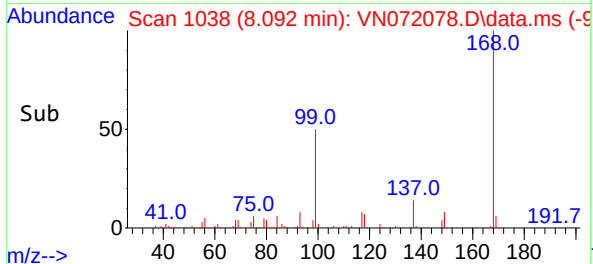
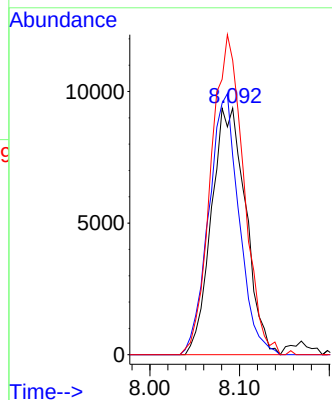
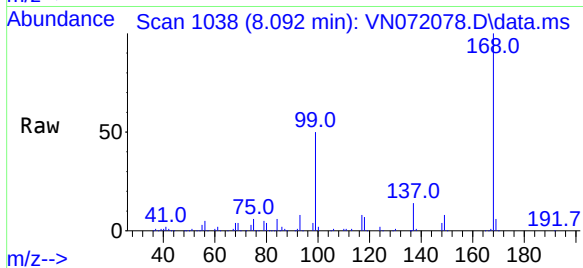
Tgt Ion: 56 Resp: 24933

Ion Ratio Lower Upper

56 100

69 80.8 27.8 41.8#

84 119.4 76.9 115.3#



#33

1,2-Dichloroethane-d4

Concen: 47.269 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.001 min

Lab File: VN072078.D

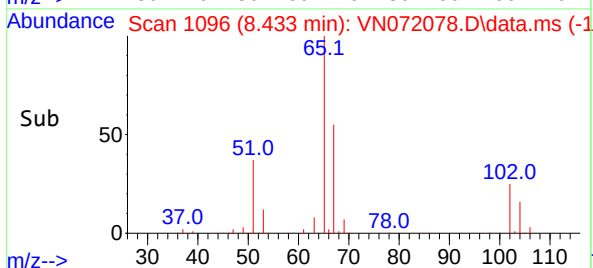
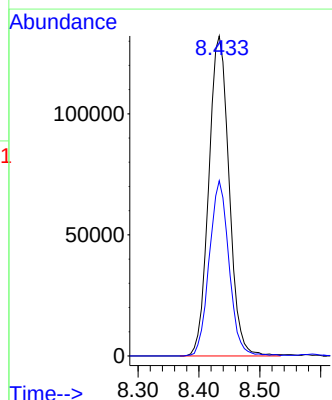
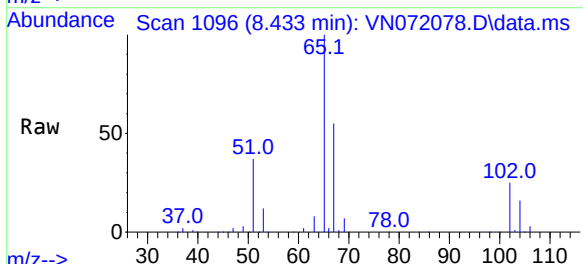
Acq: 20 Apr 2022 15:04

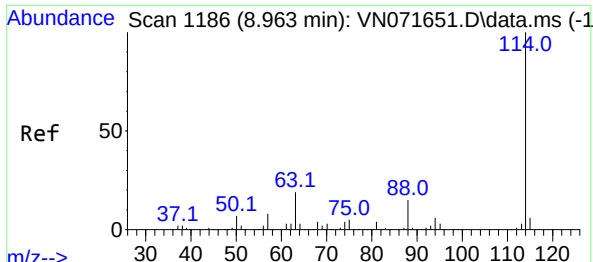
Tgt Ion: 65 Resp: 306635

Ion Ratio Lower Upper

65 100

67 53.0 0.0 104.8

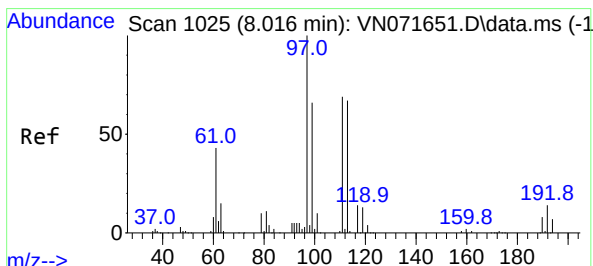
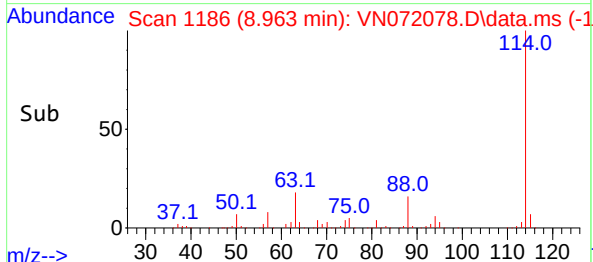
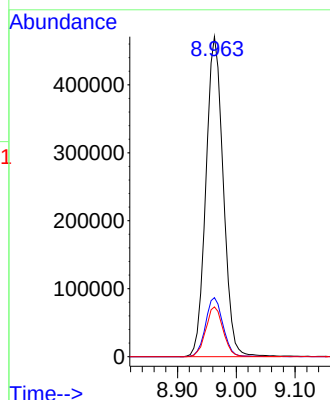
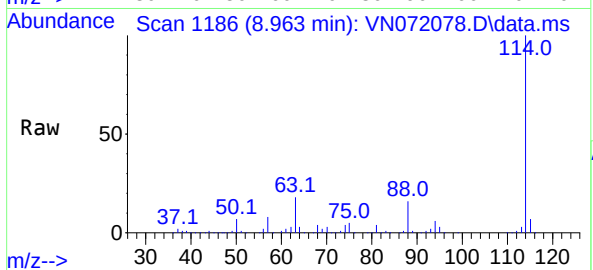




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN072078.D
Acq: 20 Apr 2022 15:04

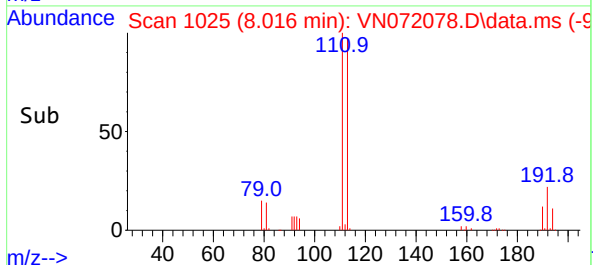
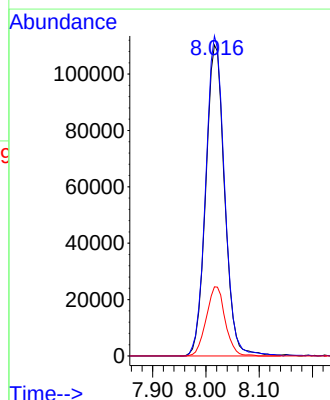
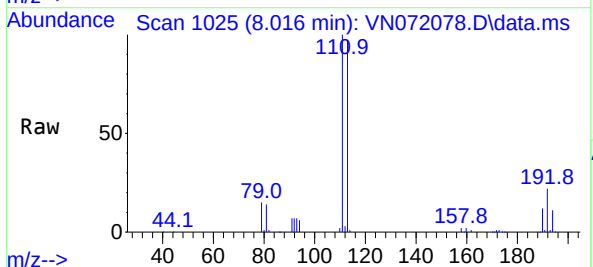
Instrument :
MSVOA_N
ClientSampleId :

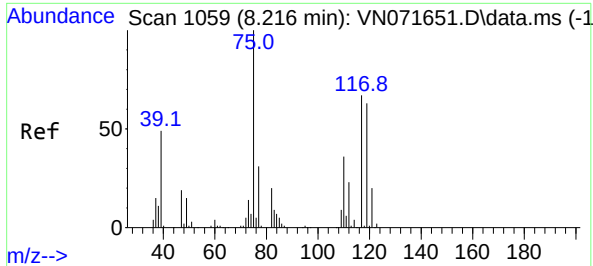
Tgt Ion:114 Resp: 964227
Ion Ratio Lower Upper
114 100
63 18.5 0.0 40.0
88 15.5 0.0 32.6



#35
Dibromofluoromethane
Concen: 47.708 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. -0.000 min
Lab File: VN072078.D
Acq: 20 Apr 2022 15:04

Tgt Ion:113 Resp: 270689
Ion Ratio Lower Upper
113 100
111 102.9 81.4 122.0
192 22.4 17.0 25.6

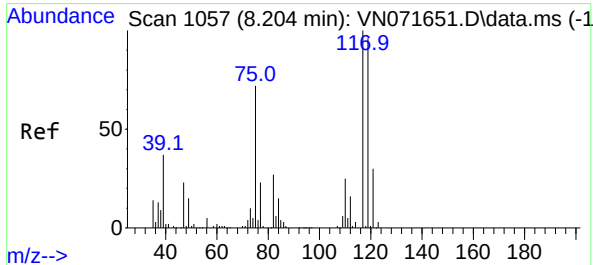
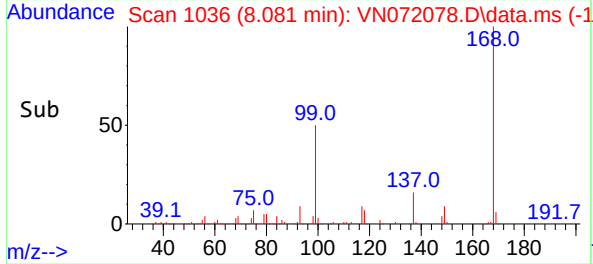
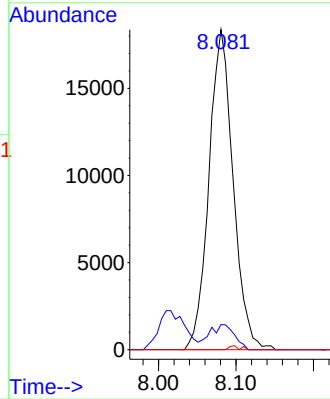
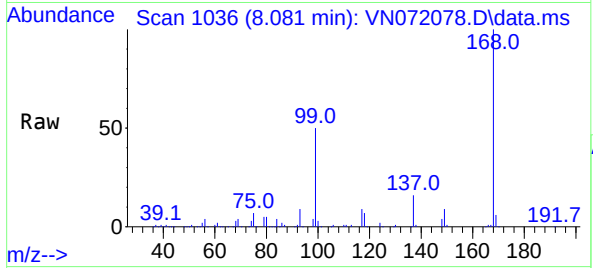




#36
1,1-Dichloropropene
Concen: 5.029 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN072078.D
Acq: 20 Apr 2022 15:04

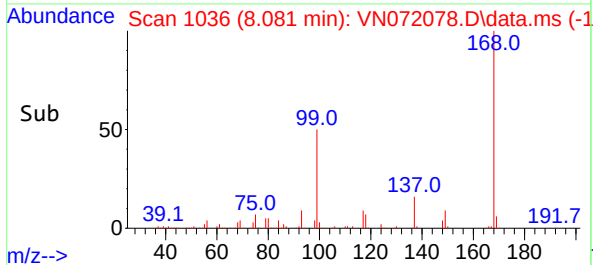
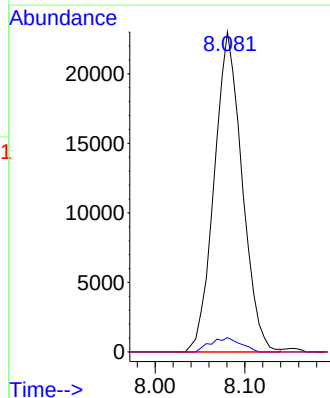
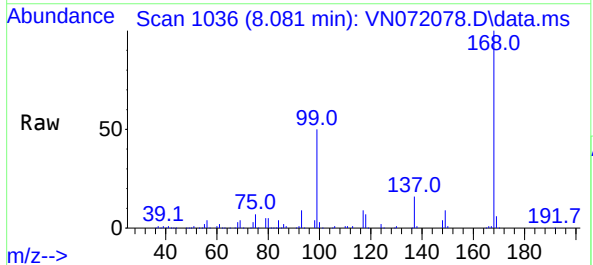
Instrument :
MSVOA_N
ClientSampleId :

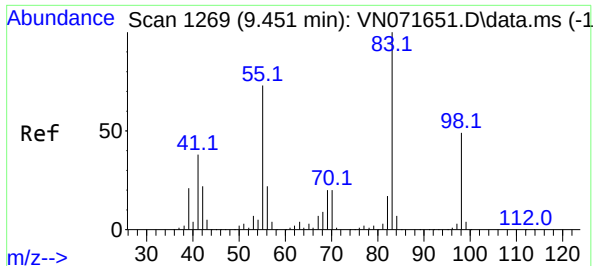
Tgt Ion: 75 Resp: 39844
Ion Ratio Lower Upper
75 100
110 8.2 18.3 54.8#
77 0.5 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 6.400 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.123 min
Lab File: VN072078.D
Acq: 20 Apr 2022 15:04

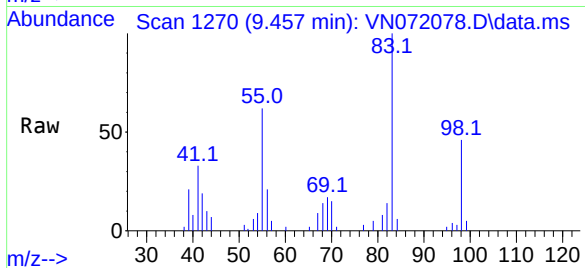
Tgt Ion: 117 Resp: 49700
Ion Ratio Lower Upper
117 100
119 4.5 75.8 113.8#
121 0.0 24.6 37.0#



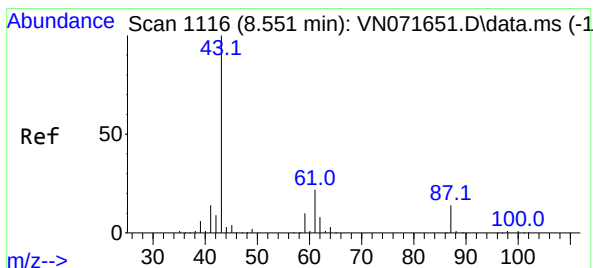
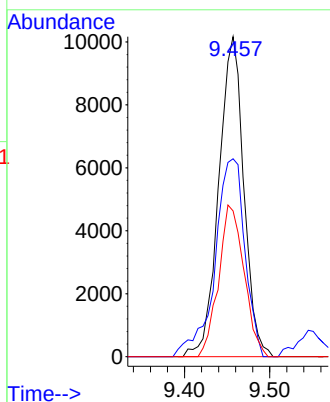
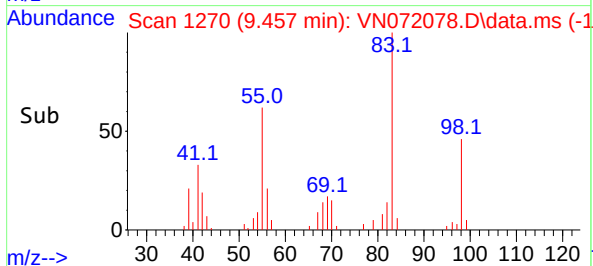


#39
Methylcyclohexane
Concen: 2.200 ug/l
RT: 9.457 min Scan# 1117
Delta R.T. 0.006 min
Lab File: VN072078.D
Acq: 20 Apr 2022 15:04

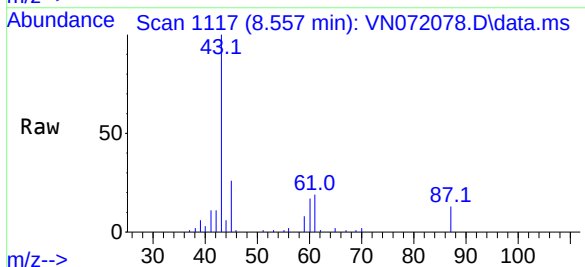
Instrument :
MSVOA_N
ClientSampleId :



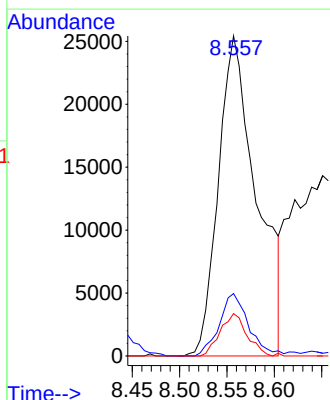
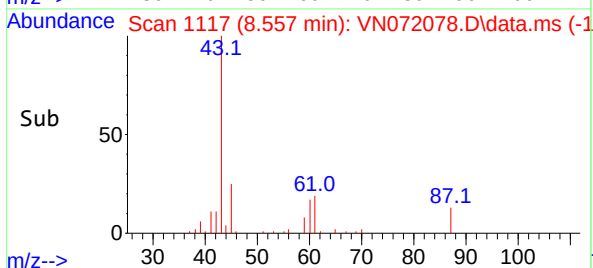
Tgt Ion: 83 Resp: 20752
Ion Ratio Lower Upper
83 100
55 61.9 57.8 86.8
98 45.5 39.4 59.2

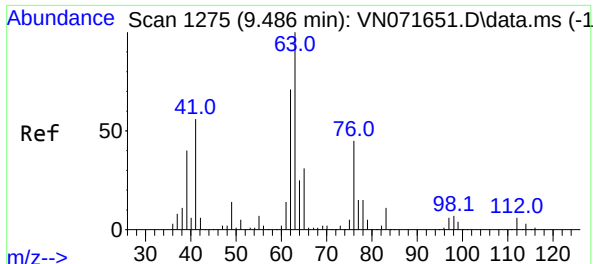


#43
Isopropyl Acetate
Concen: 4.954 ug/l
RT: 8.557 min Scan# 1117
Delta R.T. 0.006 min
Lab File: VN072078.D
Acq: 20 Apr 2022 15:04



Tgt Ion: 43 Resp: 71465
Ion Ratio Lower Upper
43 100
61 15.0 21.9 32.9#
87 9.3 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.465 ug/l

RT: 9.616 min Scan# 1297

Delta R.T. 0.130 min

Lab File: VN072078.D

Acq: 20 Apr 2022 15:04

Instrument :

MSVOA_N

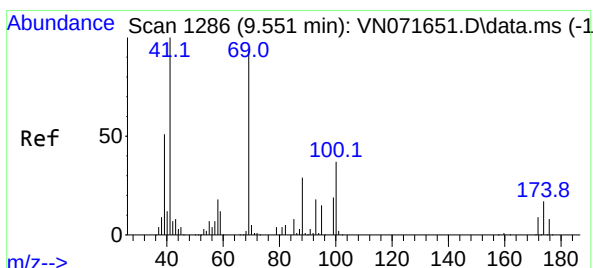
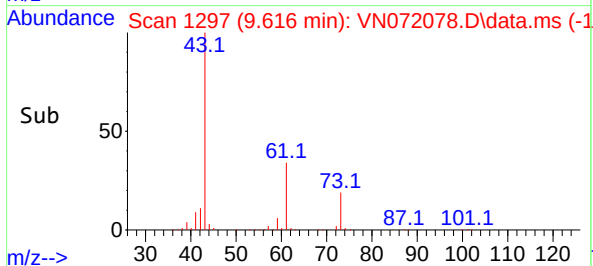
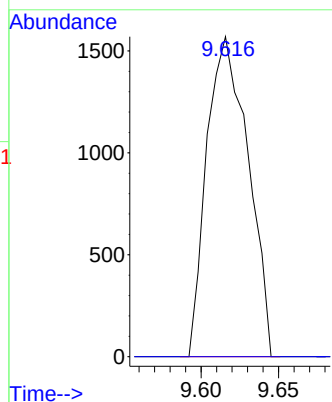
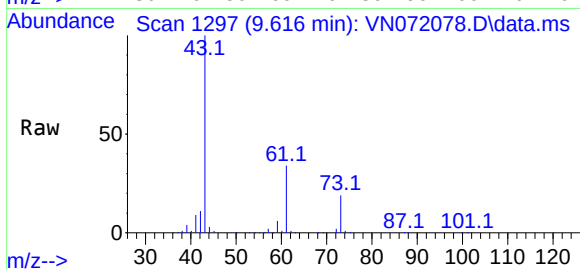
ClientSampleId :

Tgt Ion: 63 Resp: 2909

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#



#48

Methyl methacrylate

Concen: 1.660 ug/l

RT: 9.539 min Scan# 1284

Delta R.T. -0.012 min

Lab File: VN072078.D

Acq: 20 Apr 2022 15:04

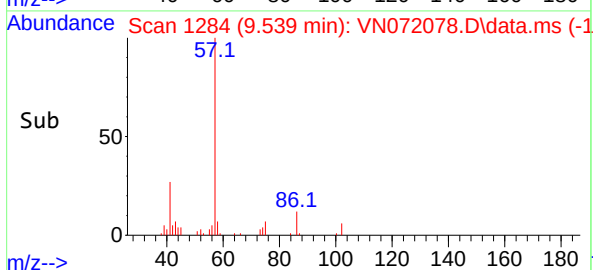
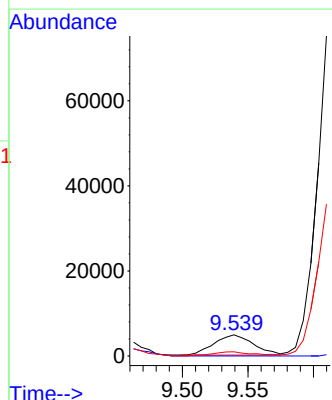
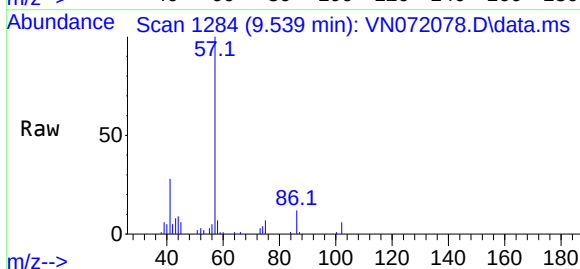
Tgt Ion: 41 Resp: 9934

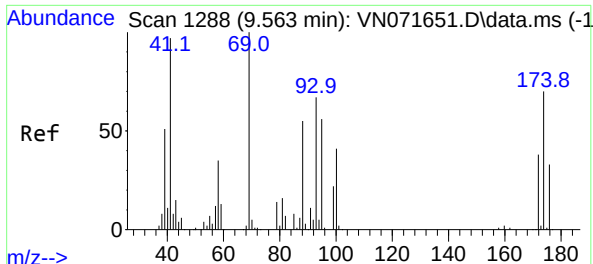
Ion Ratio Lower Upper

41 100

69 0.0 74.7 112.1#

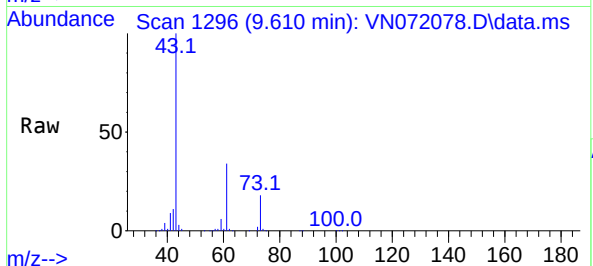
39 0.0 45.6 68.4#



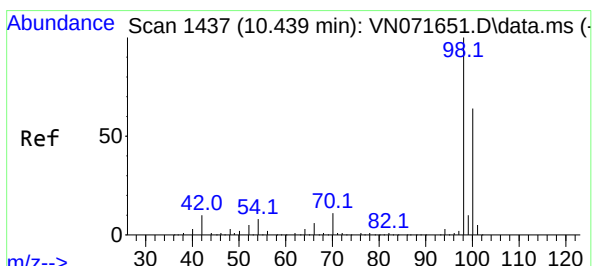
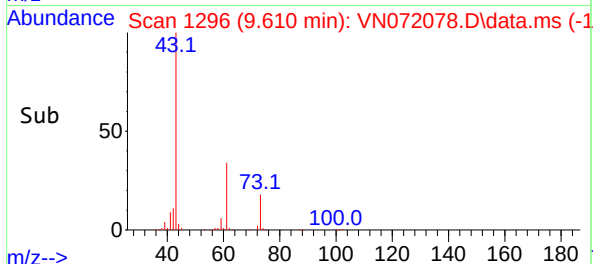
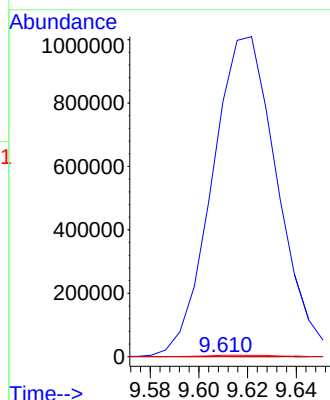


#49
1,4-Dioxane
Concen: Below Cal
RT: 9.610 min Scan# 1296
Delta R.T. 0.047 min
Lab File: VN072078.D
Acq: 20 Apr 2022 15:04

Instrument :
MSVOA_N
ClientSampleId :

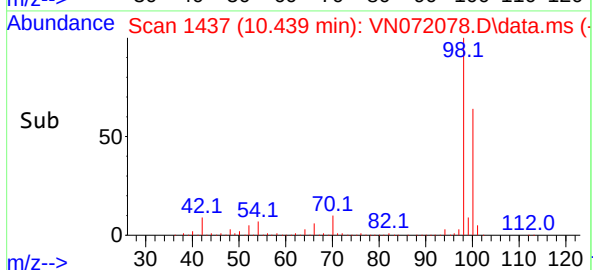
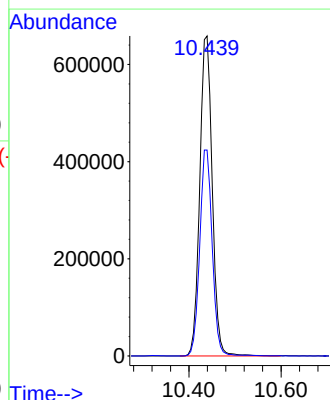
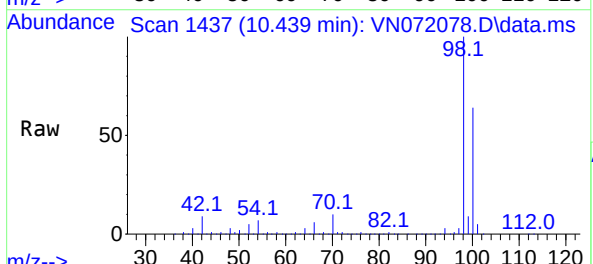


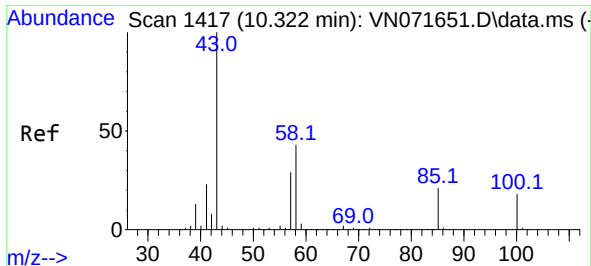
Tgt Ion: 88 Resp: 304
Ion Ratio Lower Upper
88 100
43 634453.3 20.2 30.4#
58 3154.9 54.2 81.4#



#50
Toluene-d8
Concen: 53.441 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072078.D
Acq: 20 Apr 2022 15:04

Tgt Ion: 98 Resp: 1240412
Ion Ratio Lower Upper
98 100
100 64.6 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 0.989 ug/l

RT: 10.322 min Scan# 1417

Delta R.T. -0.000 min

Lab File: VN072078.D

Acq: 20 Apr 2022 15:04

Instrument :

MSVOA_N

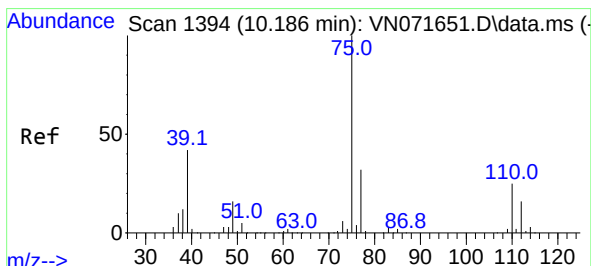
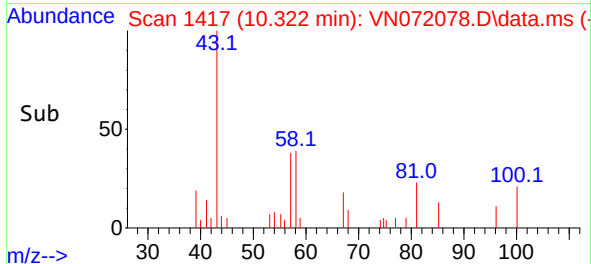
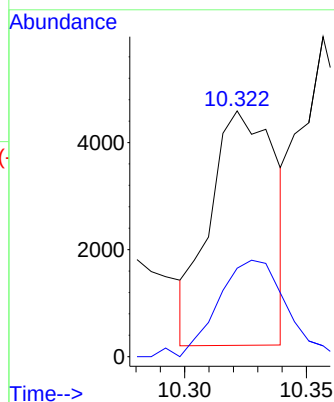
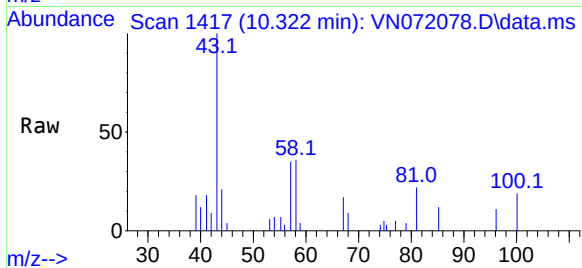
ClientSampleId :

Tgt Ion: 43 Resp: 8204

Ion Ratio Lower Upper

43 100

58 42.6 34.1 51.1



#54

cis-1,3-Dichloropropene

Concen: 7.601 ug/l

RT: 10.239 min Scan# 1403

Delta R.T. 0.053 min

Lab File: VN072078.D

Acq: 20 Apr 2022 15:04

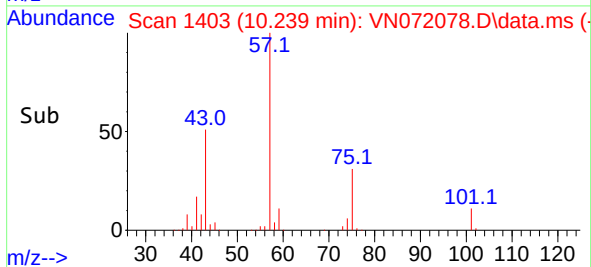
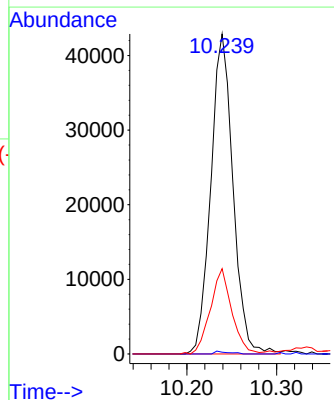
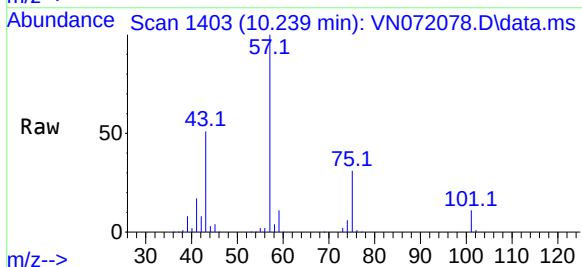
Tgt Ion: 75 Resp: 73558

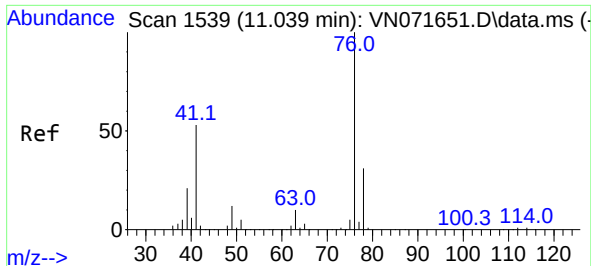
Ion Ratio Lower Upper

75 100

77 0.5 25.2 37.8#

39 26.6 35.7 53.5#





#57

1,3-Dichloropropane

Concen: 3.062 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.047 min

Lab File: VN072078.D

Acq: 20 Apr 2022 15:04

Instrument :

MSVOA_N

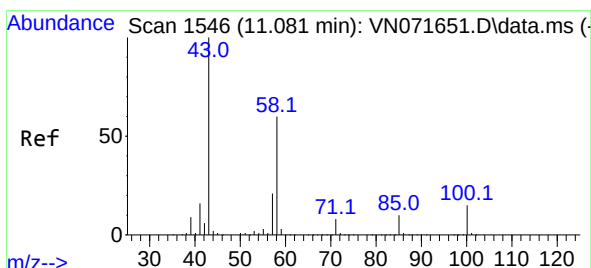
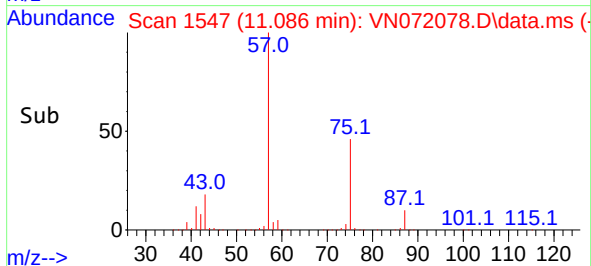
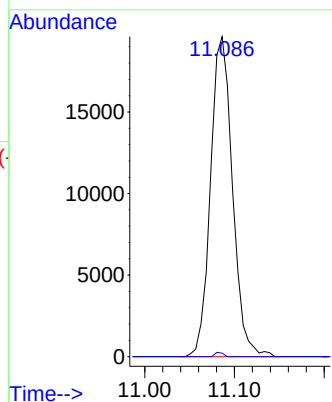
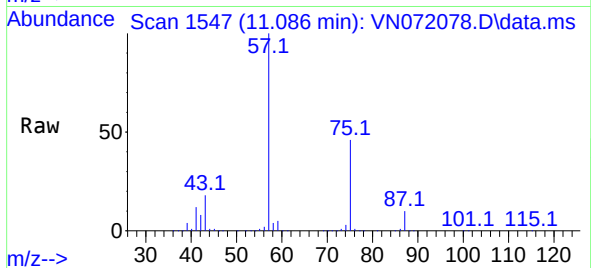
ClientSampleId :

Tgt Ion: 76 Resp: 33335

Ion Ratio Lower Upper

76 100

78 0.5 26.2 39.2#



#59

2-Hexanone

Concen: 70.750 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.005 min

Lab File: VN072078.D

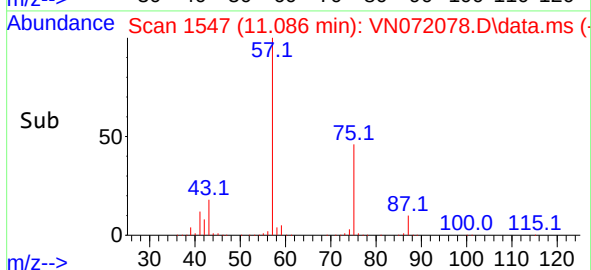
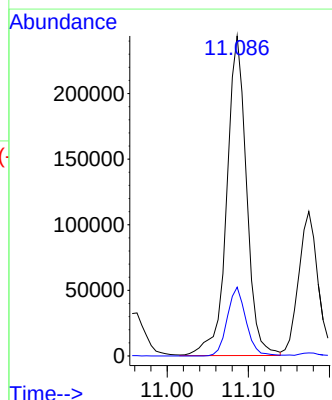
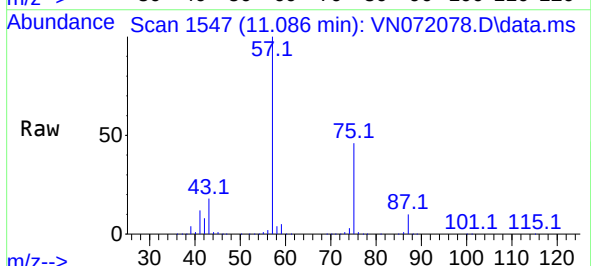
Acq: 20 Apr 2022 15:04

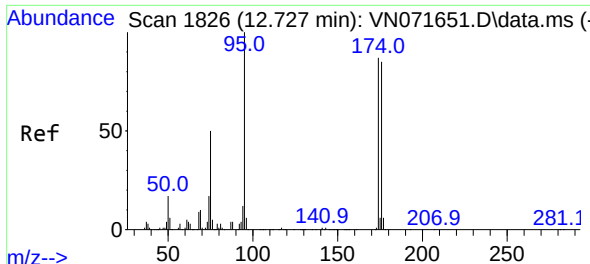
Tgt Ion: 43 Resp: 413116

Ion Ratio Lower Upper

43 100

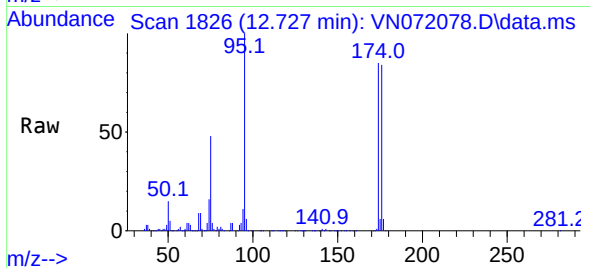
58 20.4 29.7 89.1#



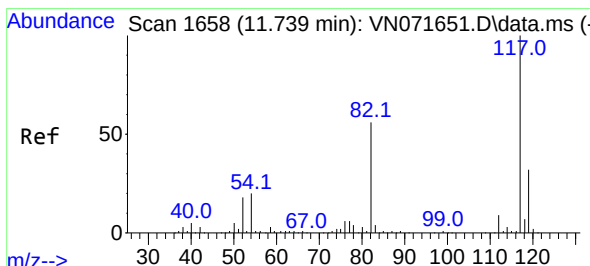
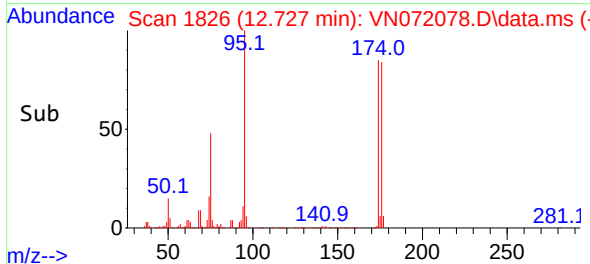
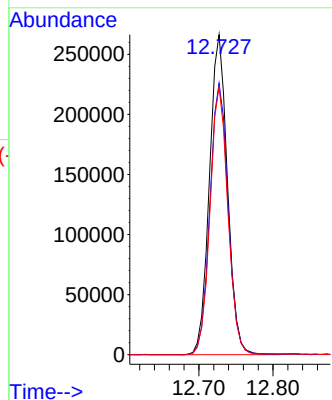


#62
4-Bromofluorobenzene
Concen: 59.836 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072078.D
Acq: 20 Apr 2022 15:04

Instrument :
MSVOA_N
ClientSampleId :

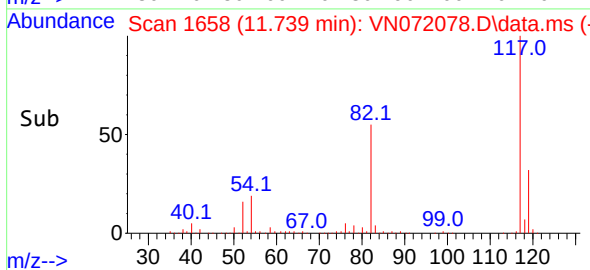
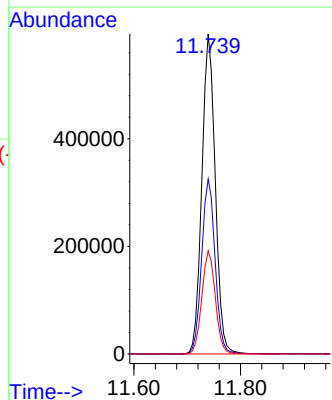
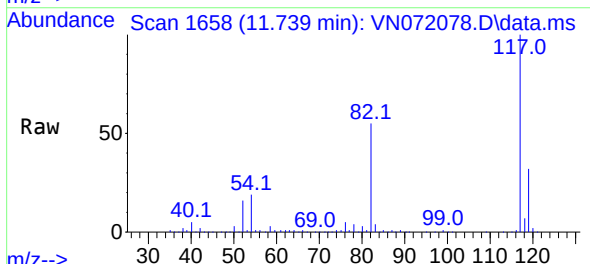


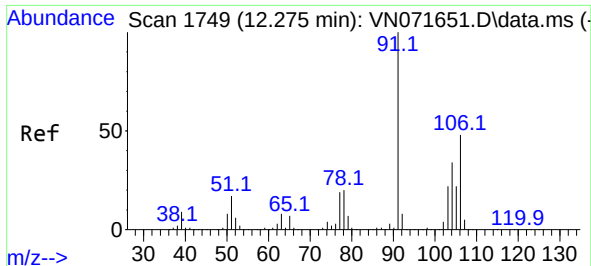
Tgt Ion: 95 Resp: 449170
Ion Ratio Lower Upper
95 100
174 86.1 0.0 167.6
176 83.3 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072078.D
Acq: 20 Apr 2022 15:04

Tgt Ion: 117 Resp: 1038170
Ion Ratio Lower Upper
117 100
82 54.7 44.2 66.2
119 32.3 25.4 38.0

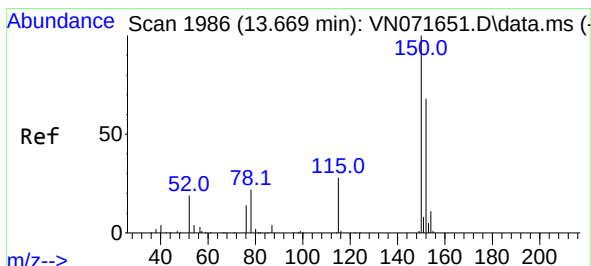
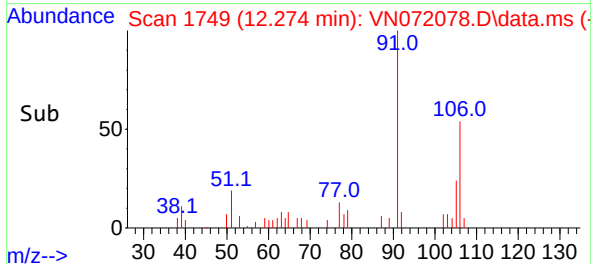
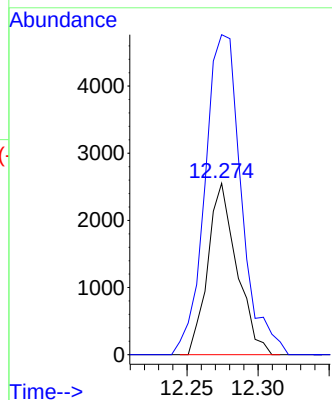
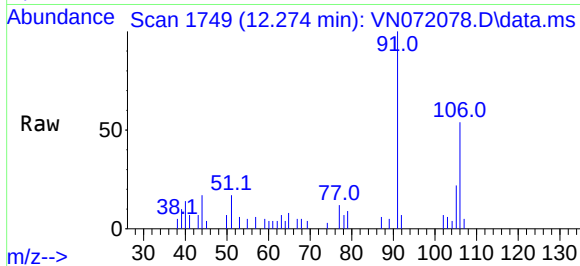




#69
o-Xylene
Concen: 0.271 ug/l
RT: 12.274 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN072078.D
Acq: 20 Apr 2022 15:04

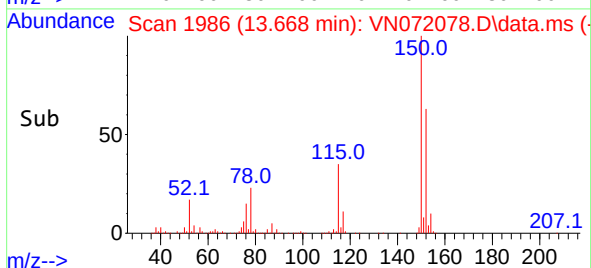
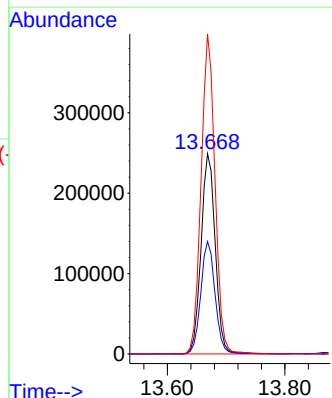
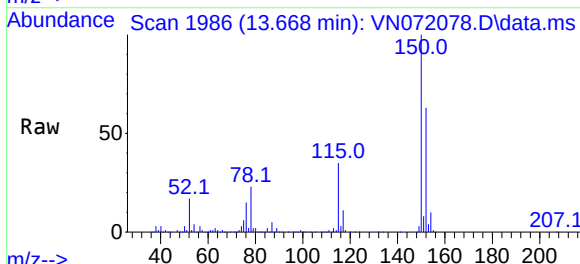
Instrument :
MSVOA_N
ClientSampleId :

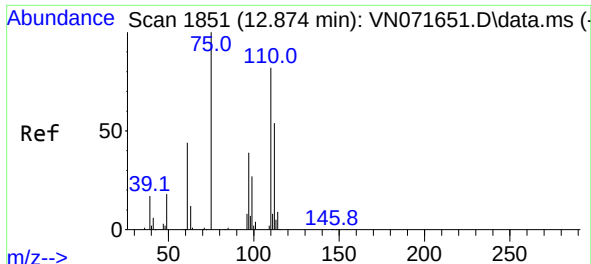
Tgt Ion:106 Resp: 3638
Ion Ratio Lower Upper
106 100
91 233.2 106.0 318.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.001 min
Lab File: VN072078.D
Acq: 20 Apr 2022 15:04

Tgt Ion:152 Resp: 418088
Ion Ratio Lower Upper
152 100
115 56.7 28.9 86.7
150 156.8 0.0 356.2

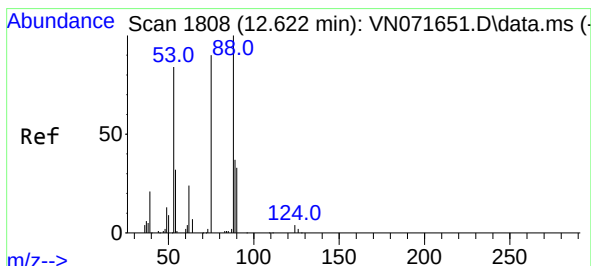
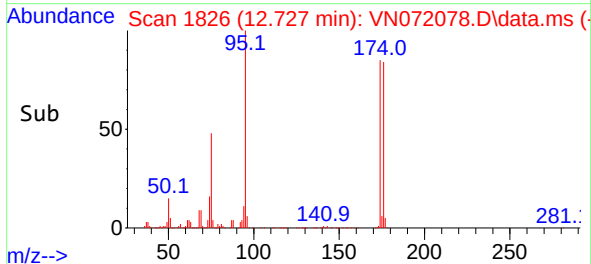
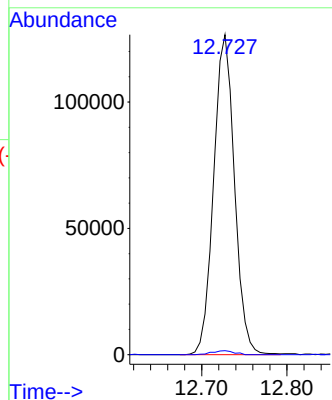
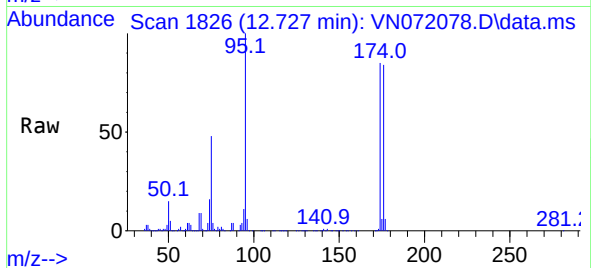




#76
1,2,3-Trichloropropane
Concen: 22.187 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072078.D
Acq: 20 Apr 2022 15:04

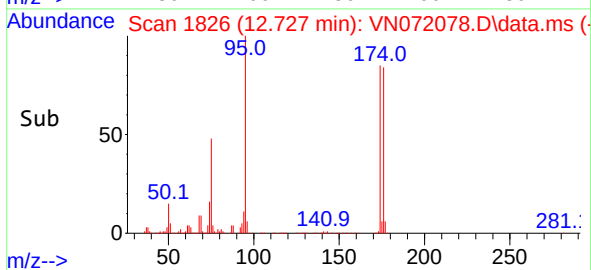
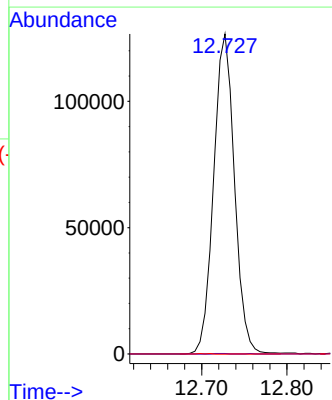
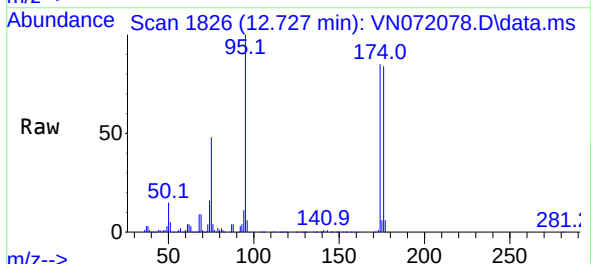
Instrument :
MSVOA_N
ClientSampleId :

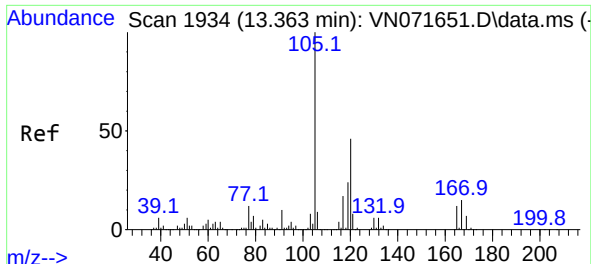
Tgt Ion: 75 Resp: 214889
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.757 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN072078.D
Acq: 20 Apr 2022 15:04

Tgt Ion: 75 Resp: 214889
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#

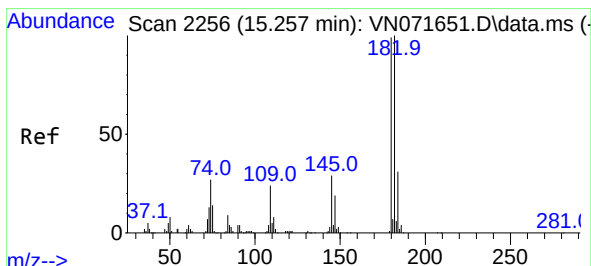
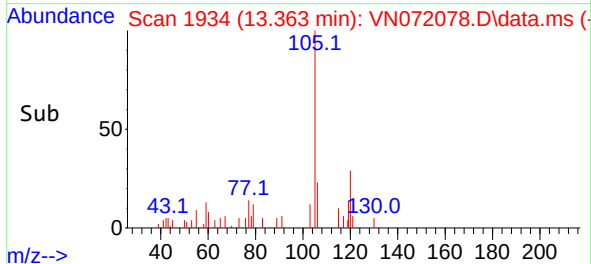
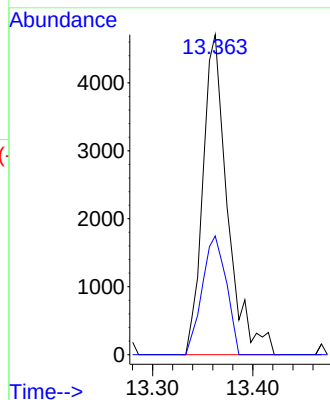
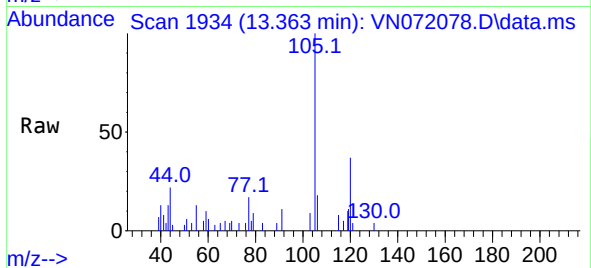




#84
1,2,4-Trimethylbenzene
Concen: 0.296 ug/l
RT: 13.363 min Scan# 1934
Delta R.T. -0.000 min
Lab File: VN072078.D
Acq: 20 Apr 2022 15:04

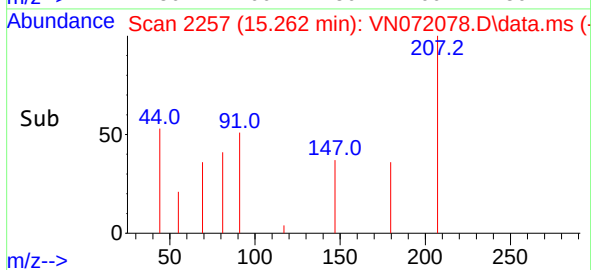
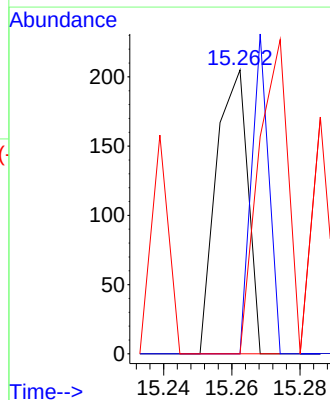
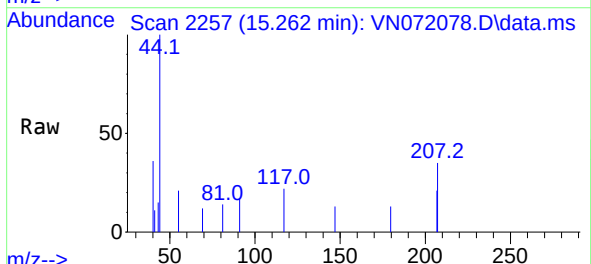
Instrument :
MSVOA_N
ClientSampleId :

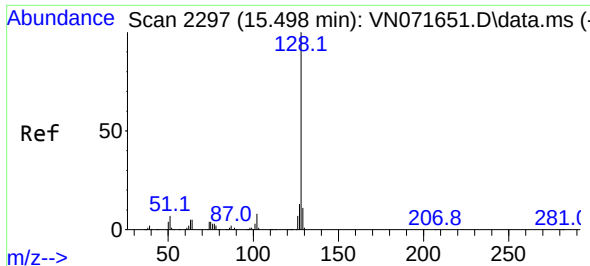
Tgt Ion:105 Resp: 8057
Ion Ratio Lower Upper
105 100
120 36.2 23.3 69.8



#93
1,2,4-Trichlorobenzene
Concen: 2.105 ug/l
RT: 15.262 min Scan# 2257
Delta R.T. 0.005 min
Lab File: VN072078.D
Acq: 20 Apr 2022 15:04

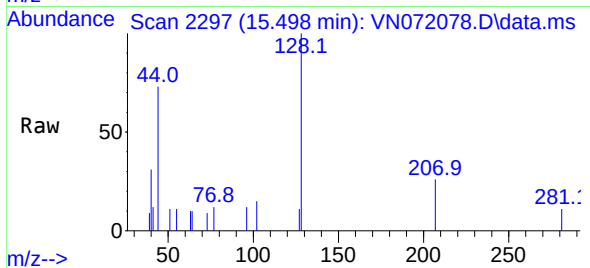
Tgt Ion:180 Resp: 131
Ion Ratio Lower Upper
180 100
182 61.8 47.5 142.5
145 149.6 14.5 43.5#



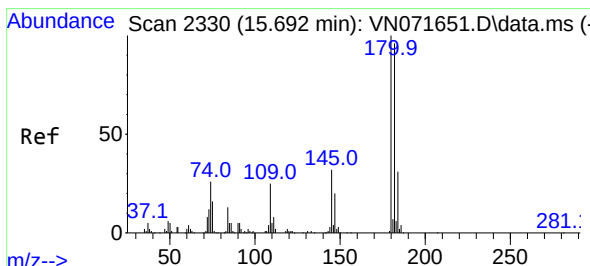
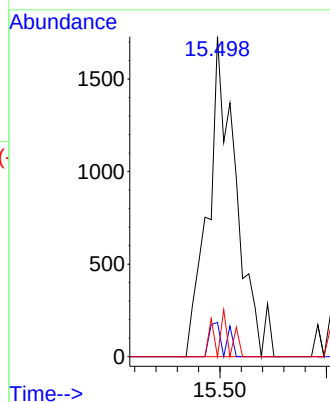
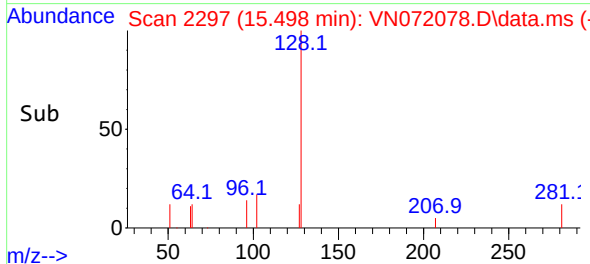


#95
Naphthalene
Concen: 3.956 ug/l
RT: 15.498 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN072078.D
Acq: 20 Apr 2022 15:04

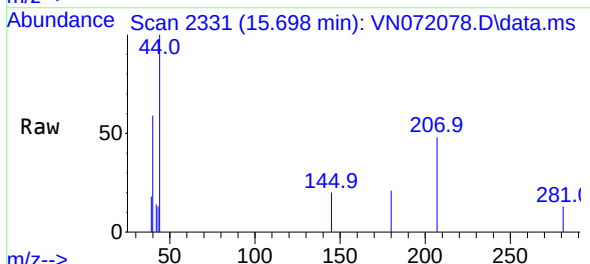
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 3150
Ion Ratio Lower Upper
128 100
127 5.9 10.3 15.5#
129 4.6 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 2.454 ug/l
RT: 15.698 min Scan# 2331
Delta R.T. 0.006 min
Lab File: VN072078.D
Acq: 20 Apr 2022 15:04



Tgt Ion:180 Resp: 269
Ion Ratio Lower Upper
180 100
182 20.4 47.8 143.3#
145 0.0 15.5 46.5#

