

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042222\
 Data File : VN072159.D
 Acq On : 22 Apr 2022 16:10
 Operator : JC\MD
 Sample : N2514-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 23 03:20:01 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)

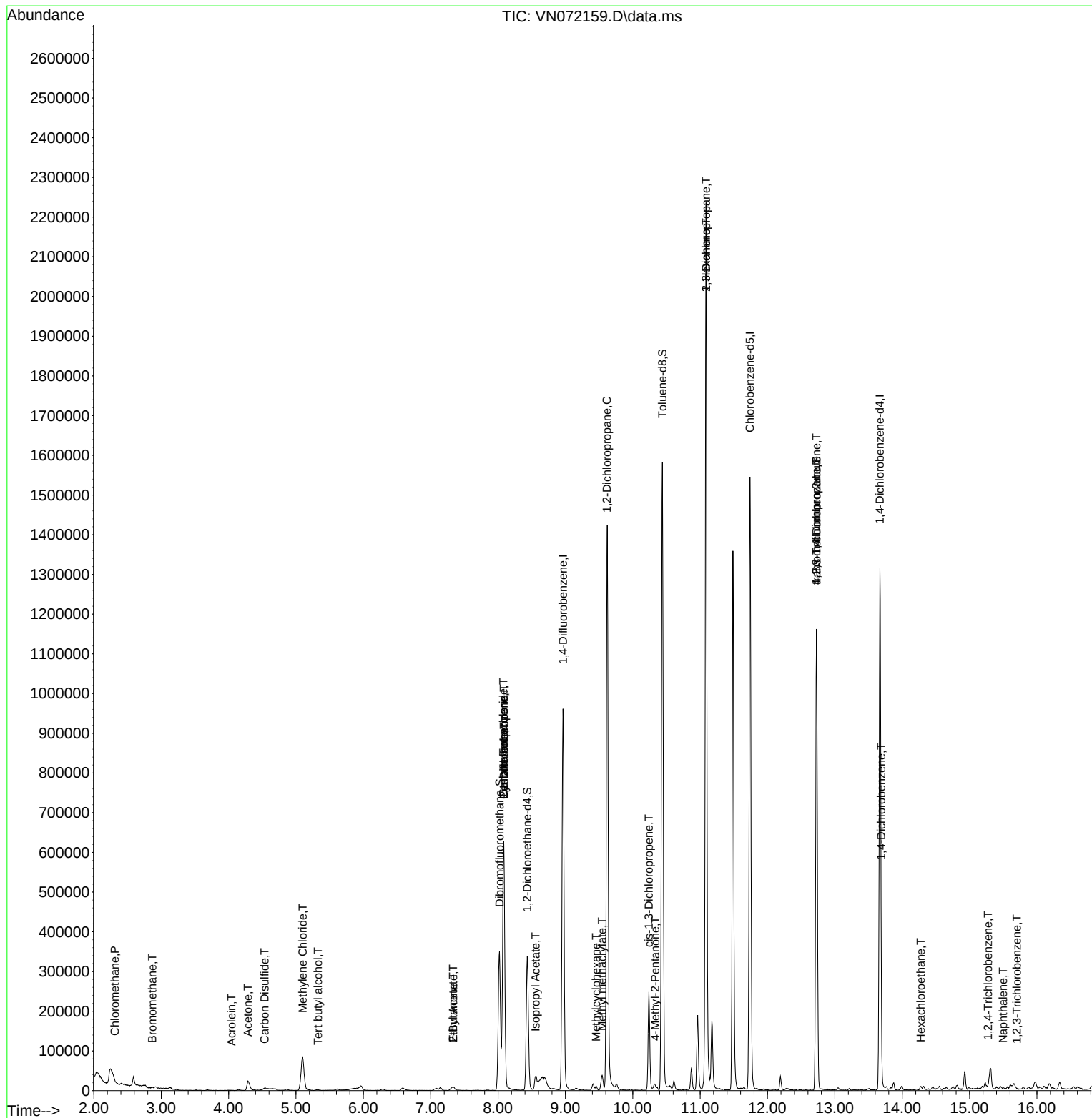
Internal Standards						
1) Pentafluorobenzene	8.087	168	533495	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	911205	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	998496	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	397275	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	277231	45.519	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	91.040%
35) Dibromofluoromethane	8.022	113	260947	48.667	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	97.340%
50) Toluene-d8	10.439	98	1182943	53.931	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	107.860%
62) 4-Bromofluorobenzene	12.727	95	421467	59.412	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	118.820%
Target Compounds						
					Qvalue	
3) Chloromethane	2.311	50	1508	0.281	ug/l #	88
5) Bromomethane	2.869	94	1109	0.289	ug/l #	66
11) Tert butyl alcohol	5.328	59	1955	1.978	ug/l #	72
13) Acrolein	4.040	56	429	0.356	ug/l	85
16) Acetone	4.287	43	41886	16.092	ug/l	98
17) Carbon Disulfide	4.534	76	9158	0.906	ug/l #	88
18) Methyl Acetate	4.863	43	6414	Below Cal		91
20) Methylene Chloride	5.099	84	74104	13.507	ug/l	94
25) 2-Butanone	7.334	43	14052	3.745	ug/l	90
31) Cyclohexane	8.087	56	13125	1.585	ug/l #	32
36) 1,1-Dichloropropene	8.087	75	33136	4.425	ug/l #	49
37) Ethyl Acetate	7.334	43	14052	1.715	ug/l #	67
38) Carbon Tetrachloride	8.081	117	46653	6.357	ug/l #	17
39) Methylcyclohexane	9.457	83	4207	0.472	ug/l #	90
43) Isopropyl Acetate	8.557	43	40499	2.971	ug/l #	86
45) 1,2-Dichloropropane	9.616	63	1957	0.331	ug/l #	44
48) Methyl methacrylate	9.545	41	10415	1.842	ug/l #	19
49) 1,4-Dioxane	9.616	88	254	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.334	43	7105	0.907	ug/l	95
54) cis-1,3-Dichloropropene	10.239	75	51868	5.671	ug/l #	61
57) 1,3-Dichloropropane	11.086	76	25664	2.494	ug/l #	42
59) 2-Hexanone	11.086	43	300338	54.429	ug/l #	49
76) 1,2,3-Trichloropropane	12.727	75	195907	21.287	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	195907	65.967	ug/l #	10
88) 1,4-Dichlorobenzene	13.686	146	3055	0.234	ug/l #	1
90) Hexachloroethane	14.274	117	3679	0.802	ug/l #	9
93) 1,2,4-Trichlorobenzene	15.274	180	318	2.134	ug/l #	85
95) Naphthalene	15.498	128	3900	4.002	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.704	180	396	2.476	ug/l #	64

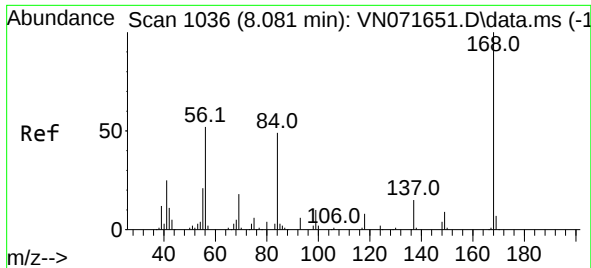
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

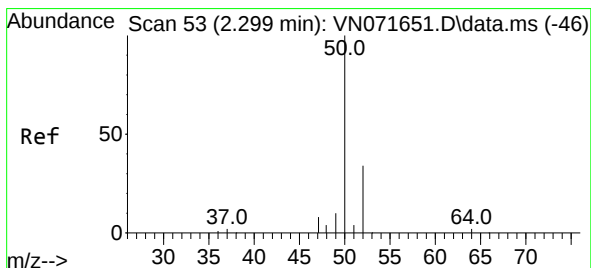
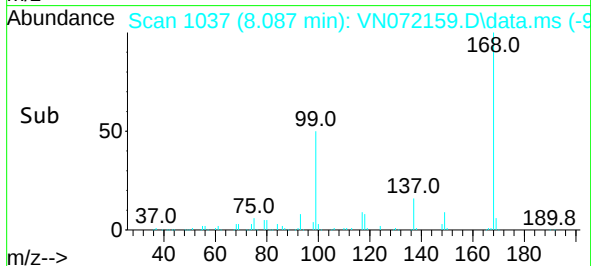
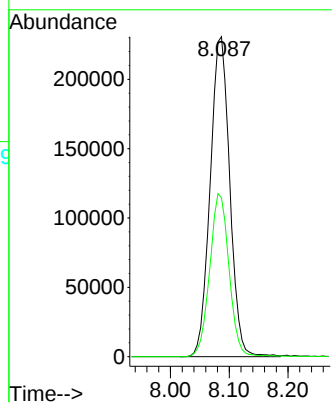
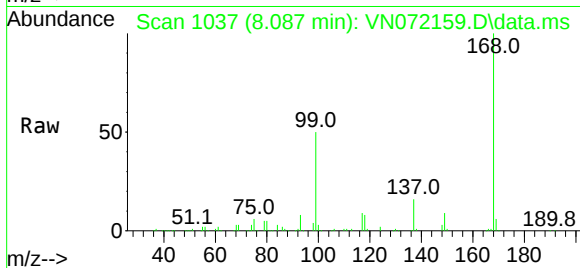




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.087 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN072159.D
Acq: 22 Apr 2022 16:10

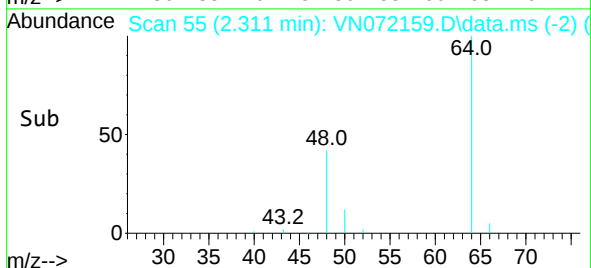
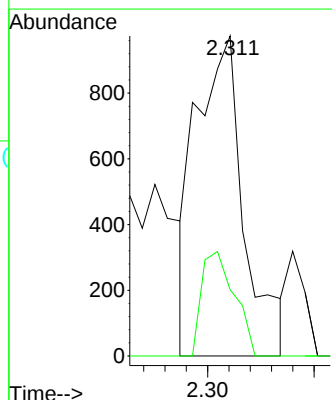
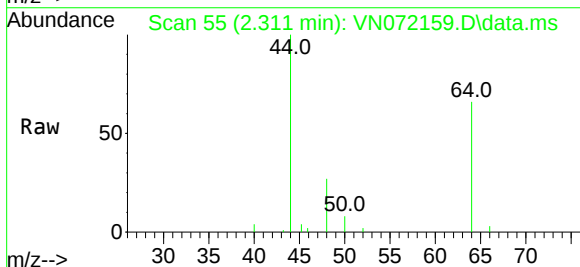
Instrument :
MSVOA_N
ClientSampleId :

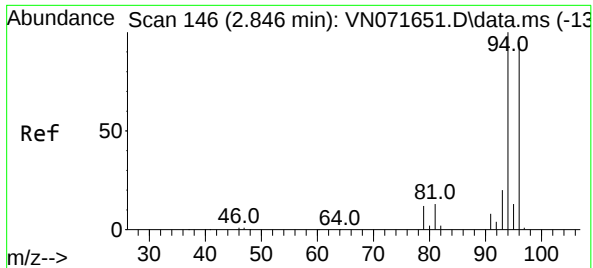
Tgt Ion:168 Resp: 533495
Ion Ratio Lower Upper
168 100
99 49.6 42.3 63.5



#3
Chloromethane
Concen: 0.281 ug/l
RT: 2.311 min Scan# 55
Delta R.T. 0.012 min
Lab File: VN072159.D
Acq: 22 Apr 2022 16:10

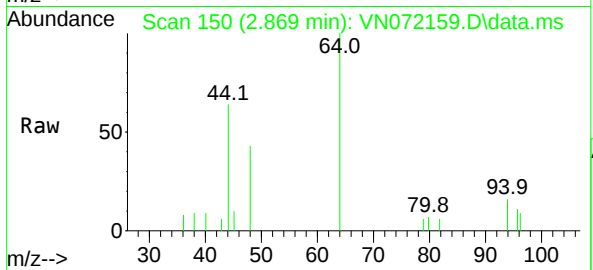
Tgt Ion: 50 Resp: 1508
Ion Ratio Lower Upper
50 100
52 25.3 25.7 38.5#



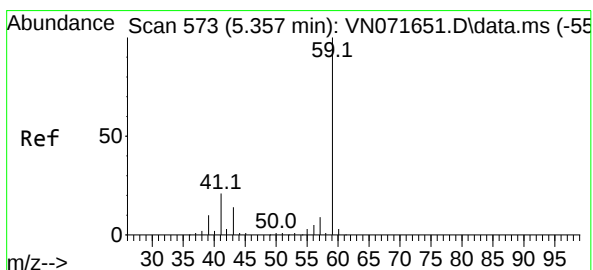
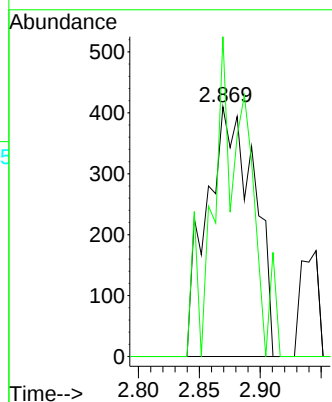
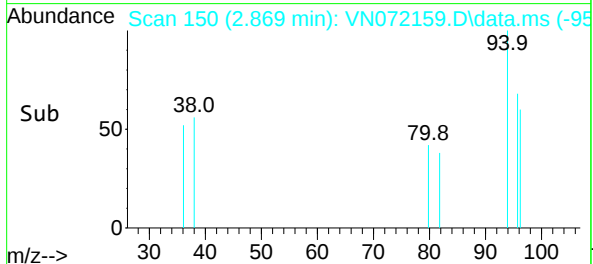


#5
Bromomethane
Concen: 0.289 ug/l
RT: 2.869 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN072159.D
Acq: 22 Apr 2022 16:10

Instrument :
MSVOA_N
ClientSampleId :

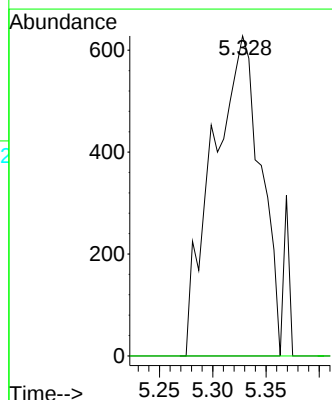
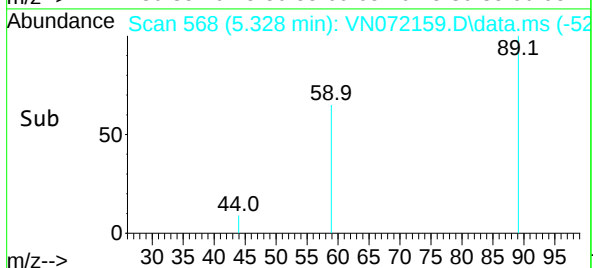
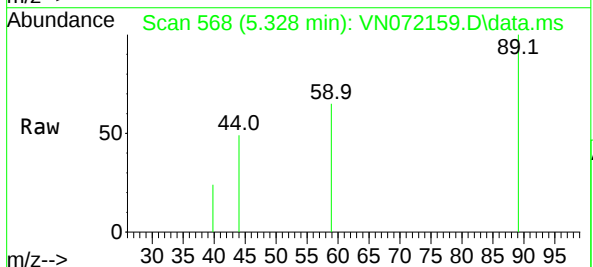


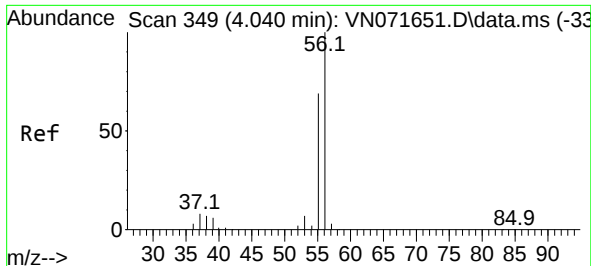
Tgt Ion: 94 Resp: 1109
Ion Ratio Lower Upper
94 100
96 128.0 76.0 114.0#



#11
Tert butyl alcohol
Concen: 1.978 ug/l
RT: 5.328 min Scan# 568
Delta R.T. -0.029 min
Lab File: VN072159.D
Acq: 22 Apr 2022 16:10

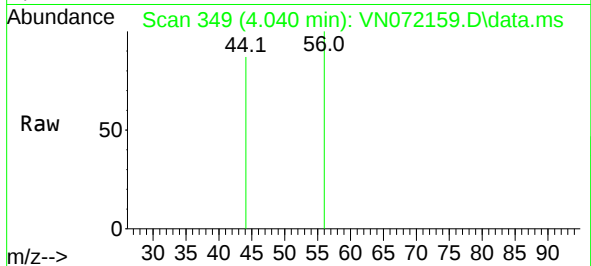
Tgt Ion: 59 Resp: 1955
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



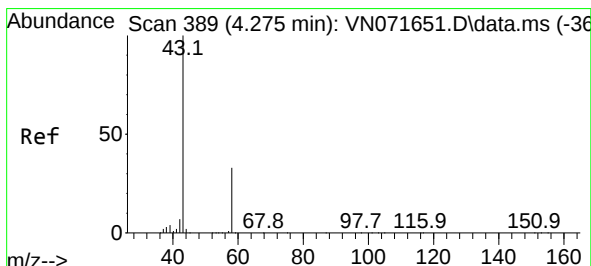
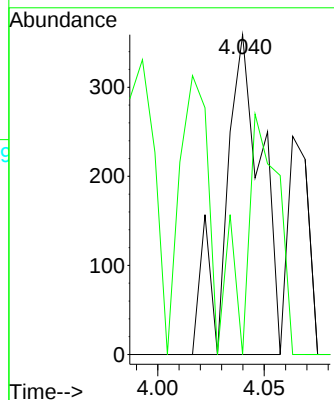
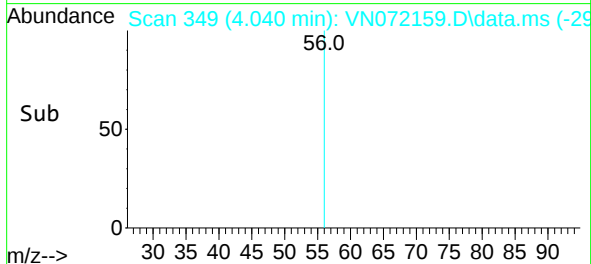


#13
Acrolein
Concen: 0.356 ug/l
RT: 4.040 min Scan# 349
Delta R.T. -0.000 min
Lab File: VN072159.D
Acq: 22 Apr 2022 16:10

Instrument :
MSVOA_N
ClientSampleId :

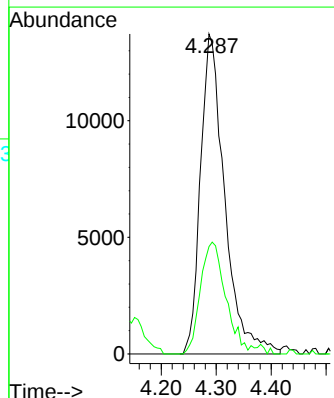
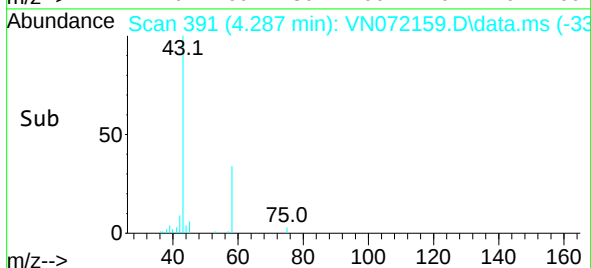
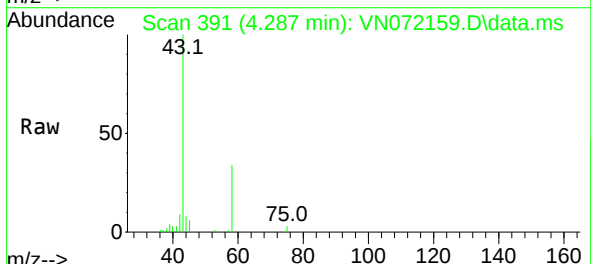


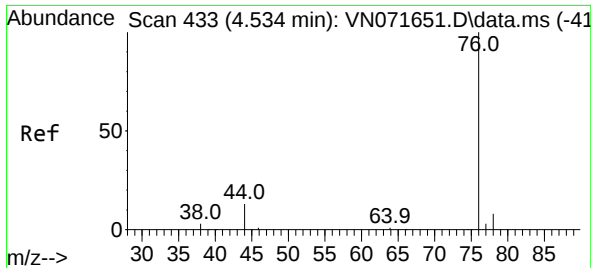
Tgt Ion: 56 Resp: 429
Ion Ratio Lower Upper
56 100
55 56.4 54.8 82.2



#16
Acetone
Concen: 16.092 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN072159.D
Acq: 22 Apr 2022 16:10

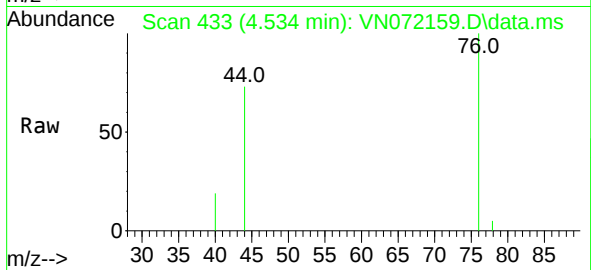
Tgt Ion: 43 Resp: 41886
Ion Ratio Lower Upper
43 100
58 33.5 26.0 39.0



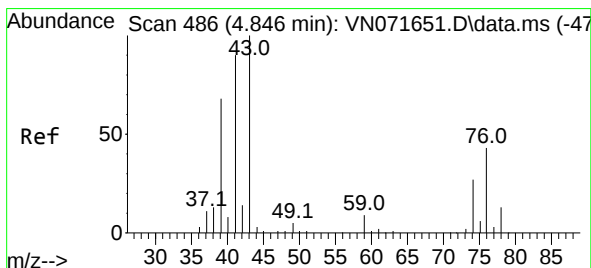
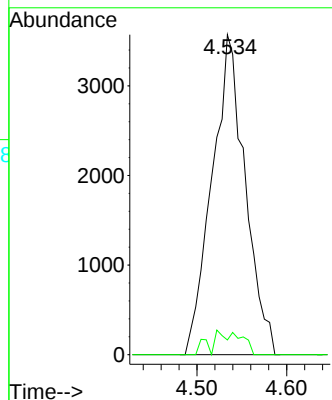
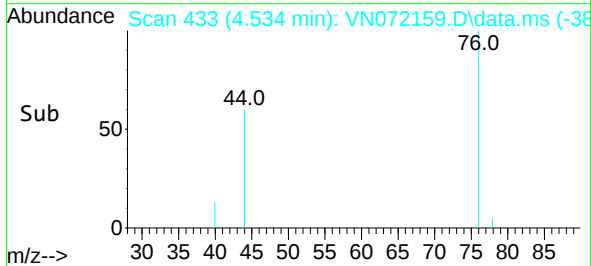


#17
Carbon Disulfide
Concen: 0.906 ug/l
RT: 4.534 min Scan# 411
Delta R.T. -0.000 min
Lab File: VN072159.D
Acq: 22 Apr 2022 16:10

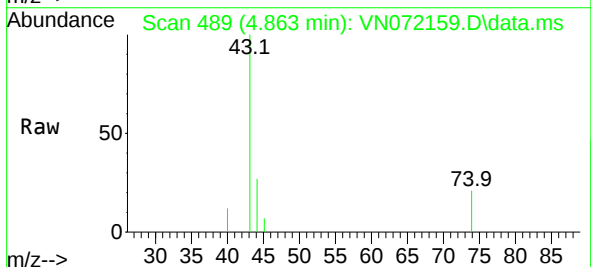
Instrument :
MSVOA_N
ClientSampleId :



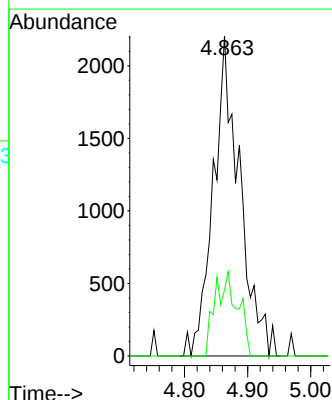
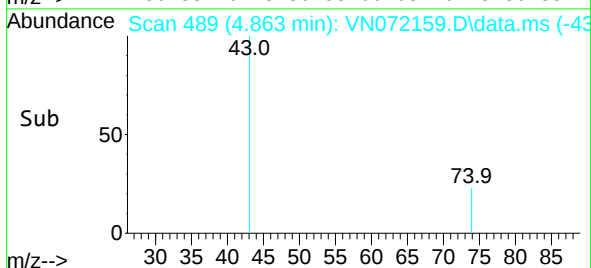
Tgt Ion: 76 Resp: 9158
Ion Ratio Lower Upper
76 100
78 4.6 7.2 10.8#

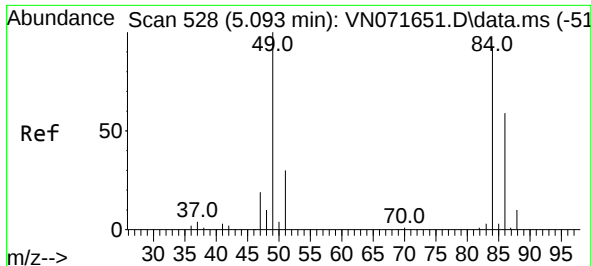


#18
Methyl Acetate
Concen: Below Cal
RT: 4.863 min Scan# 489
Delta R.T. 0.017 min
Lab File: VN072159.D
Acq: 22 Apr 2022 16:10



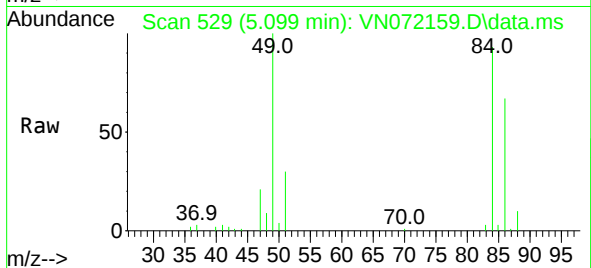
Tgt Ion: 43 Resp: 6414
Ion Ratio Lower Upper
43 100
74 22.5 21.6 32.4



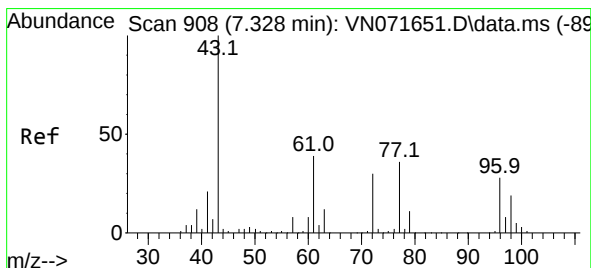
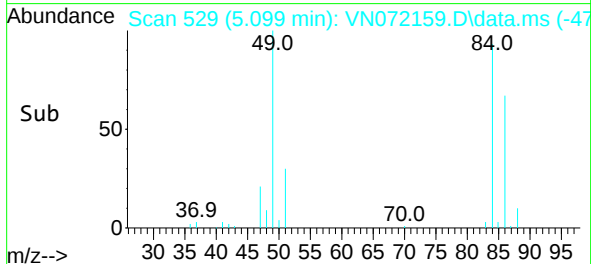
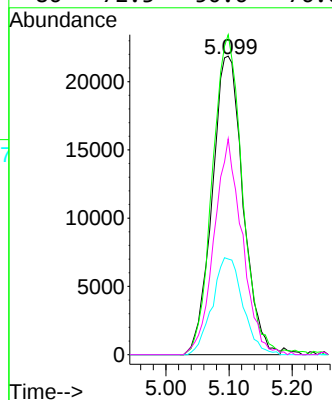


#20
Methylene Chloride
Concen: 13.507 ug/l
RT: 5.099 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN072159.D
Acq: 22 Apr 2022 16:10

Instrument :
MSVOA_N
ClientSampleId :

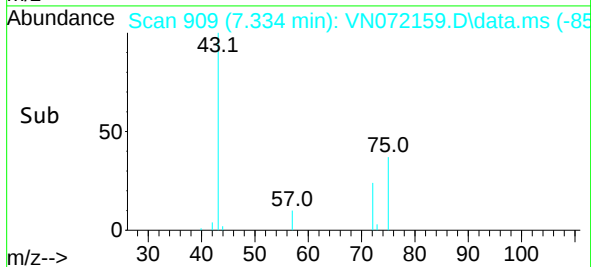
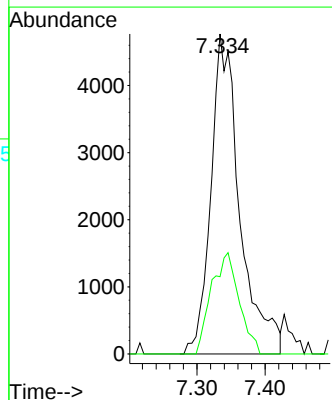
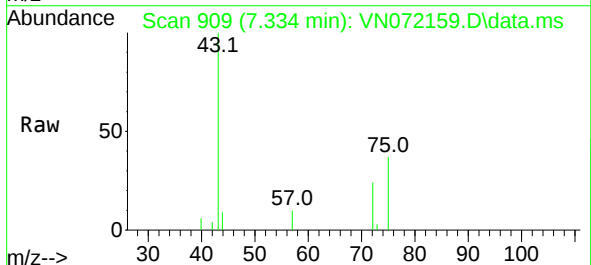


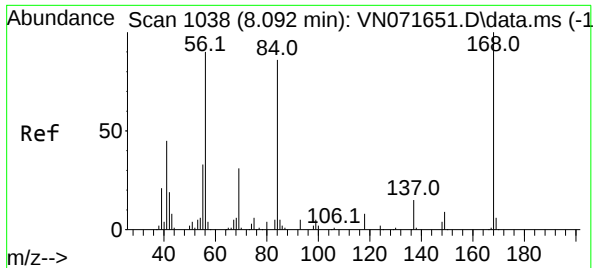
Tgt Ion: 84	Resp: 74104
Ion Ratio	Lower Upper
84 100	
49 107.2	88.3 132.5
51 32.0	28.2 42.2
86 72.3	50.6 76.0



#25
2-Butanone
Concen: 3.745 ug/l
RT: 7.334 min Scan# 909
Delta R.T. 0.006 min
Lab File: VN072159.D
Acq: 22 Apr 2022 16:10

Tgt Ion: 43	Resp: 14052		
Ion Ratio	Lower	Upper	
43	100		
72	24.1	23.7	35.5





#31

Cyclohexane

Concen: 1.585 ug/l

RT: 8.087 min Scan# 1037

Delta R.T. -0.005 min

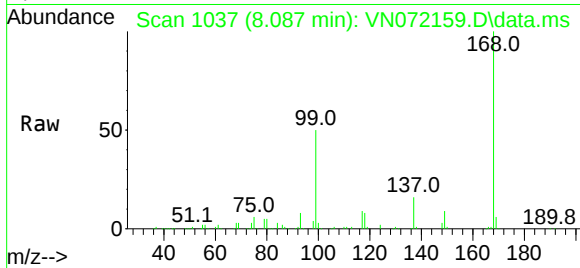
Lab File: VN072159.D

Acq: 22 Apr 2022 16:10

Instrument :

MSVOA_N

ClientSampleId :



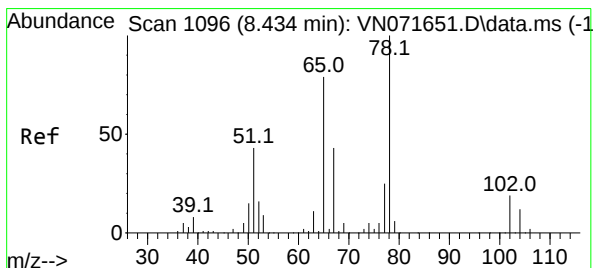
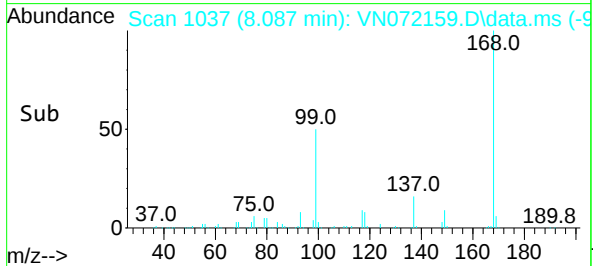
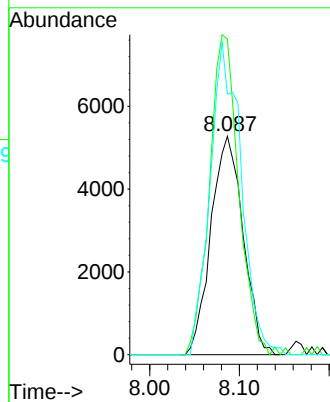
Tgt Ion: 56 Resp: 13125

Ion Ratio Lower Upper

56 100

69 144.5 27.8 41.8#

84 119.3 76.9 115.3#



#33

1,2-Dichloroethane-d4

Concen: 45.519 ug/l

RT: 8.434 min Scan# 1096

Delta R.T. -0.000 min

Lab File: VN072159.D

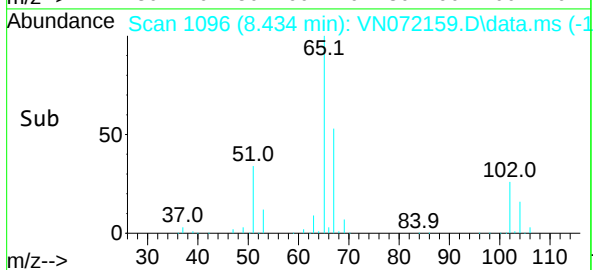
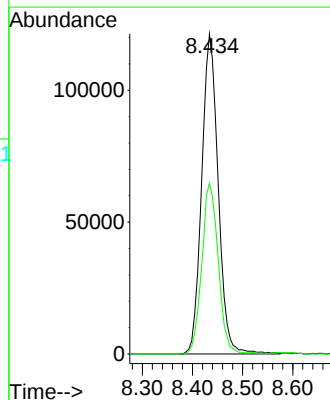
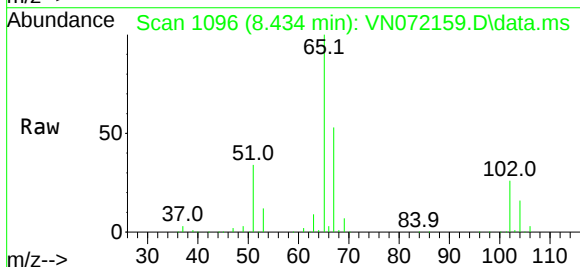
Acq: 22 Apr 2022 16:10

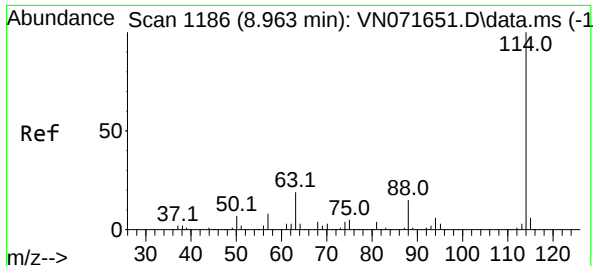
Tgt Ion: 65 Resp: 277231

Ion Ratio Lower Upper

65 100

67 53.1 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: VN072159.D

Acq: 22 Apr 2022 16:10

Instrument :

MSVOA_N

ClientSampleId :

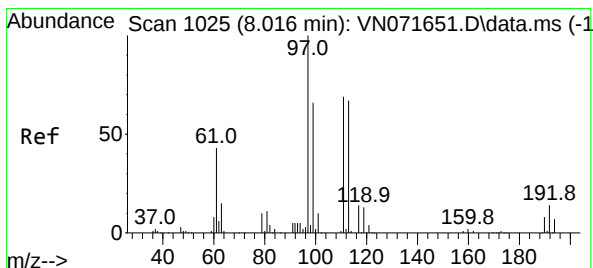
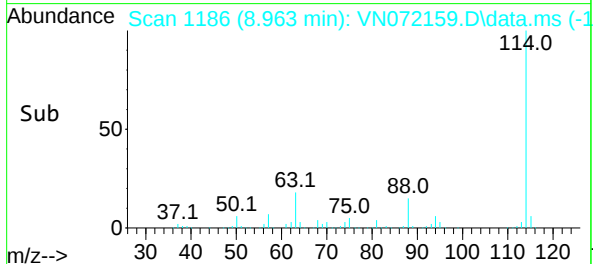
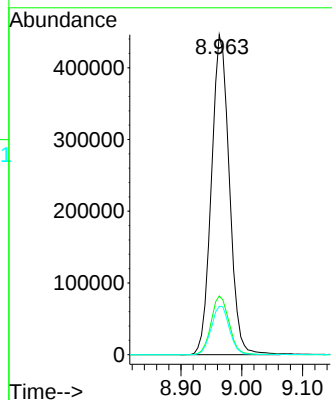
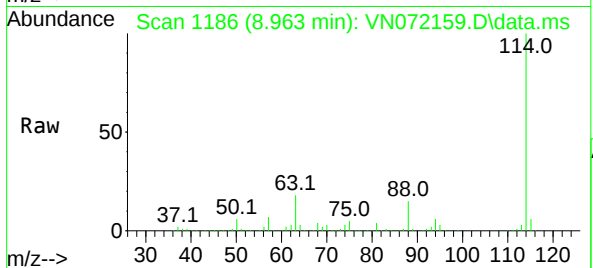
Tgt Ion:114 Resp: 911205

Ion Ratio Lower Upper

114 100

63 18.3 0.0 40.0

88 15.1 0.0 32.6



#35

Dibromofluoromethane

Concen: 48.667 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.006 min

Lab File: VN072159.D

Acq: 22 Apr 2022 16:10

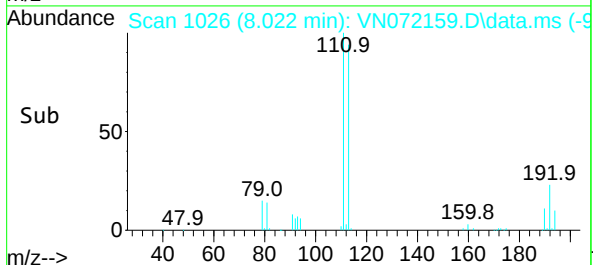
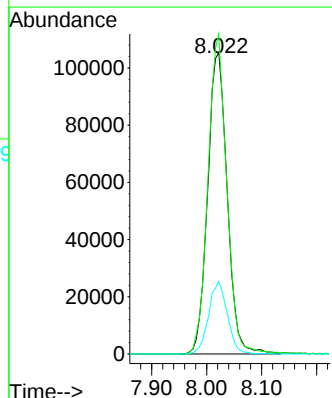
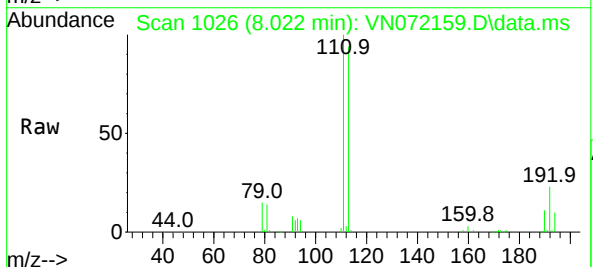
Tgt Ion:113 Resp: 260947

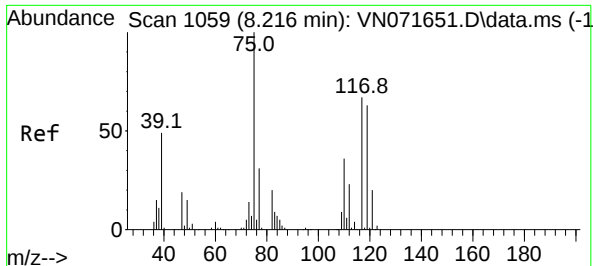
Ion Ratio Lower Upper

113 100

111 102.1 81.4 122.0

192 22.9 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.425 ug/l

RT: 8.087 min Scan# 1059

Delta R.T. -0.129 min

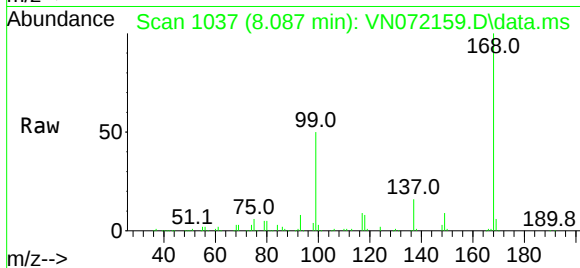
Lab File: VN072159.D

Acq: 22 Apr 2022 16:10

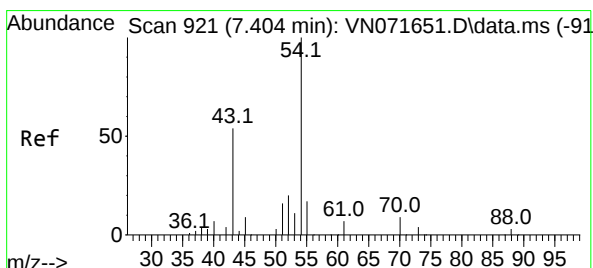
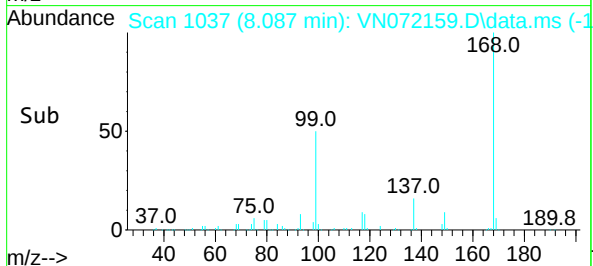
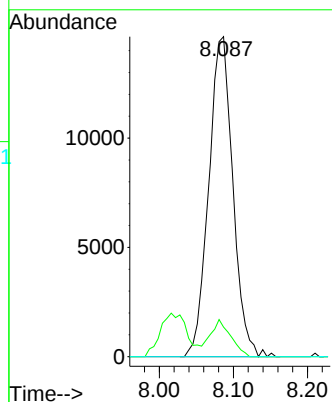
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 75	Resp: 33136
Ion Ratio	Lower Upper
75	100
110	9.7 18.3 54.8#
77	0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 1.715 ug/l

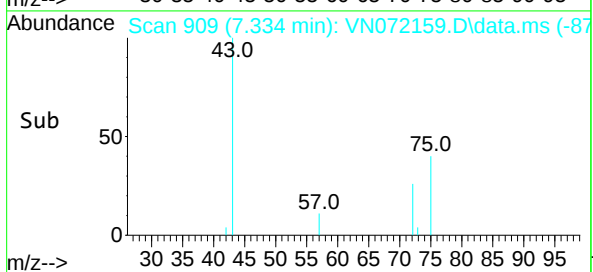
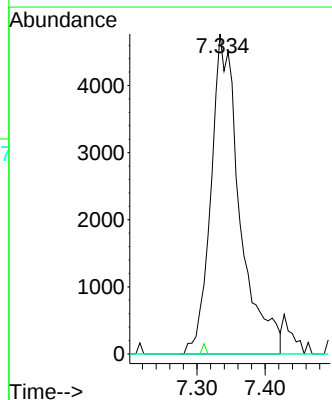
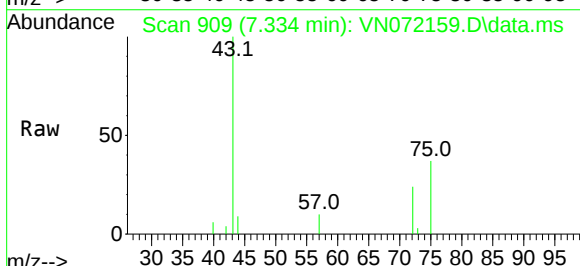
RT: 7.334 min Scan# 909

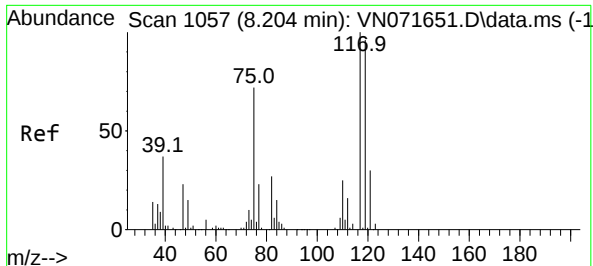
Delta R.T. -0.070 min

Lab File: VN072159.D

Acq: 22 Apr 2022 16:10

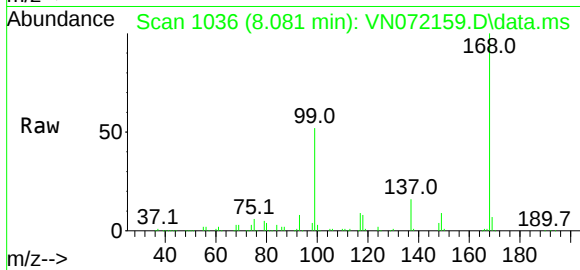
Tgt Ion: 43	Resp: 14052
Ion Ratio	Lower Upper
43	100
61	0.0 11.8 17.6#
70	0.0 9.3 13.9#



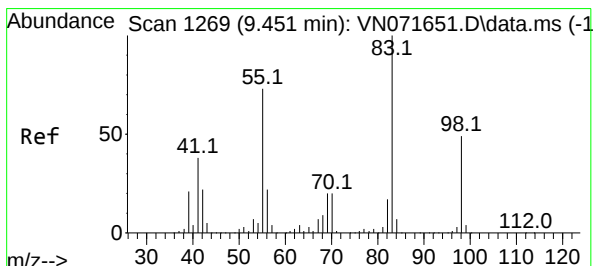
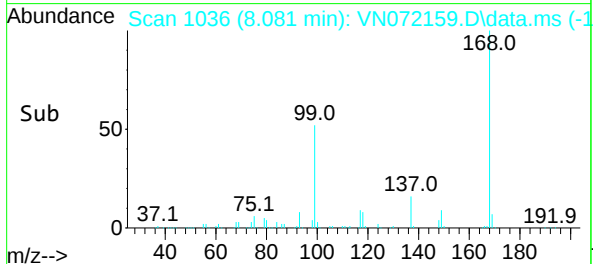
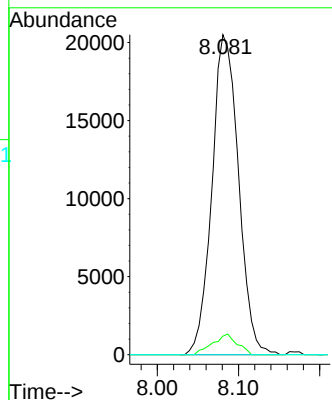


#38
Carbon Tetrachloride
Concen: 6.357 ug/l
RT: 8.081 min Scan# 117
Delta R.T. -0.123 min
Lab File: VN072159.D
Acq: 22 Apr 2022 16:10

Instrument :
MSVOA_N
ClientSampleId :

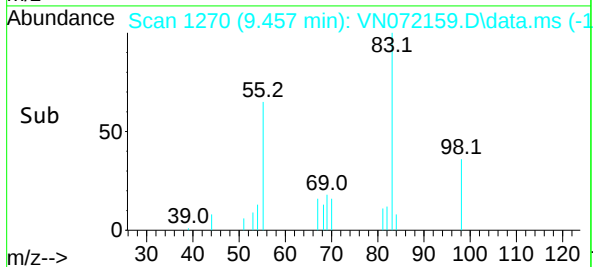
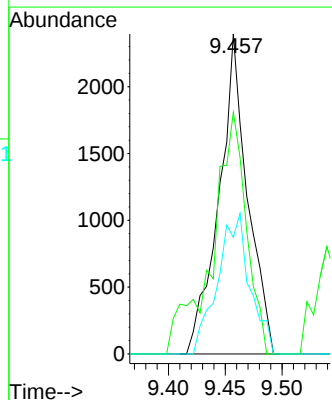
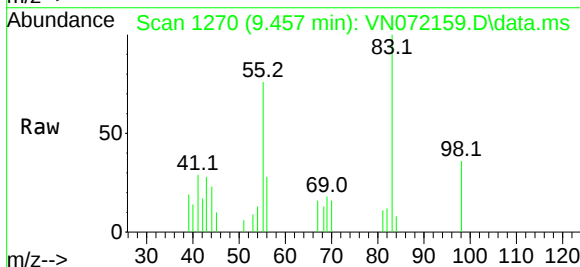


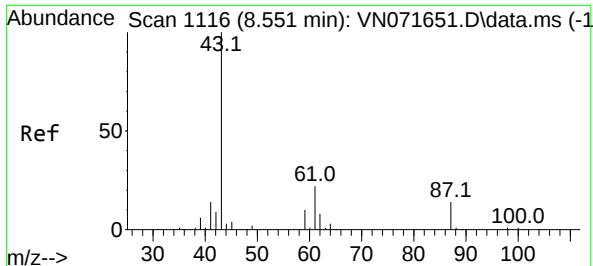
Tgt Ion:117 Resp: 46653
Ion Ratio Lower Upper
117 100
119 5.8 75.8 113.8#
121 0.0 24.6 37.0#



#39
Methylcyclohexane
Concen: 0.472 ug/l
RT: 9.457 min Scan# 1270
Delta R.T. 0.006 min
Lab File: VN072159.D
Acq: 22 Apr 2022 16:10

Tgt Ion: 83 Resp: 4207
Ion Ratio Lower Upper
83 100
55 75.5 57.8 86.8
98 36.5 39.4 59.2#





#43

Isopropyl Acetate

Concen: 2.971 ug/l

RT: 8.557 min Scan# 1117

Delta R.T. 0.006 min

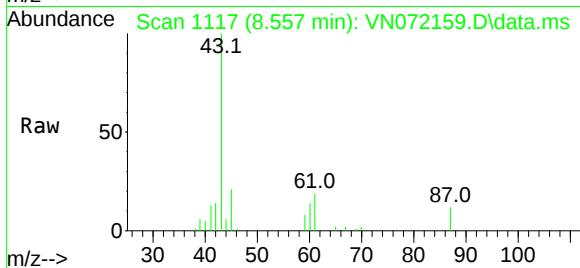
Lab File: VN072159.D

Acq: 22 Apr 2022 16:10

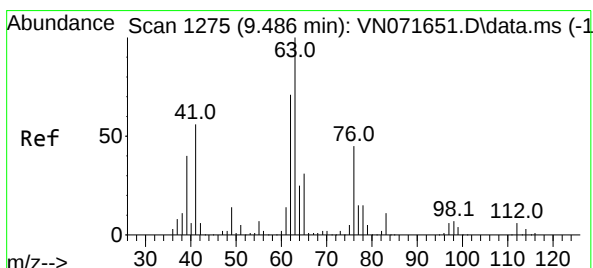
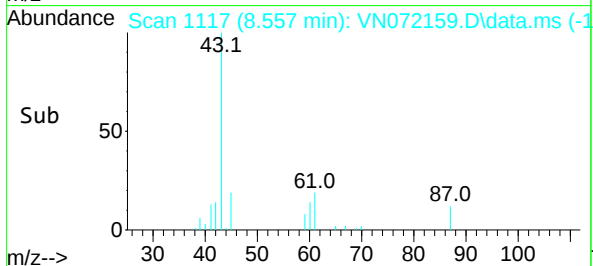
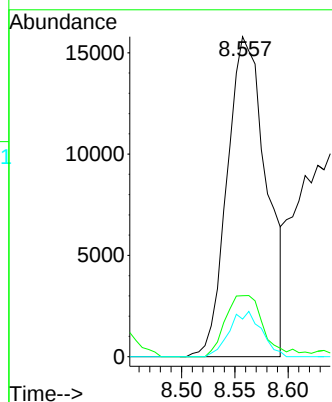
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43	Resp: 40499
Ion Ratio	Lower Upper
43	100
61	18.9 21.9 32.9#
87	11.5 12.0 18.0#



#45

1,2-Dichloropropane

Concen: 0.331 ug/l

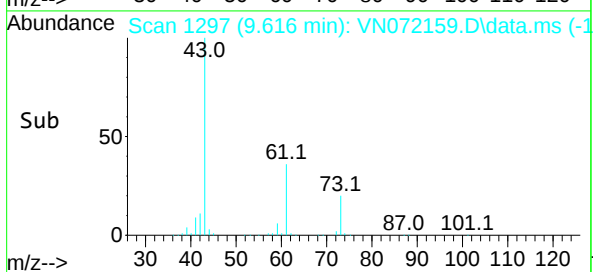
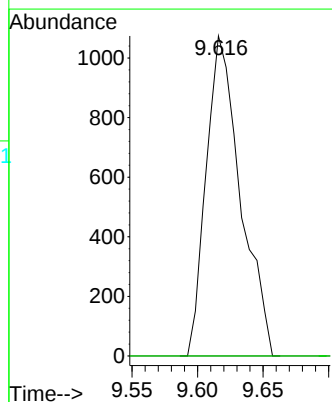
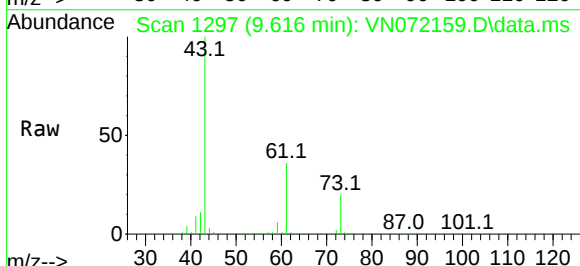
RT: 9.616 min Scan# 1297

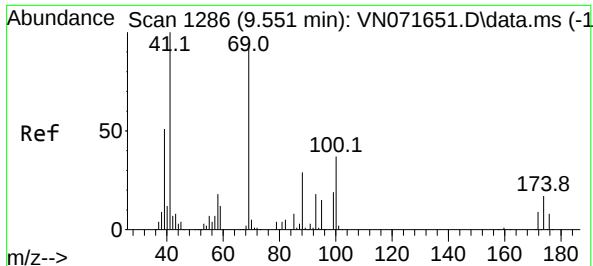
Delta R.T. 0.130 min

Lab File: VN072159.D

Acq: 22 Apr 2022 16:10

Tgt Ion: 63	Resp: 1957
Ion Ratio	Lower Upper
63	100
65	0.0 24.9 37.3#





#48

Methyl methacrylate

Concen: 1.842 ug/l

RT: 9.545 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN072159.D

Acq: 22 Apr 2022 16:10

Instrument :

MSVOA_N

ClientSampleId :

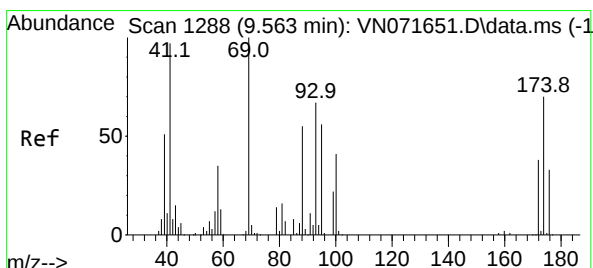
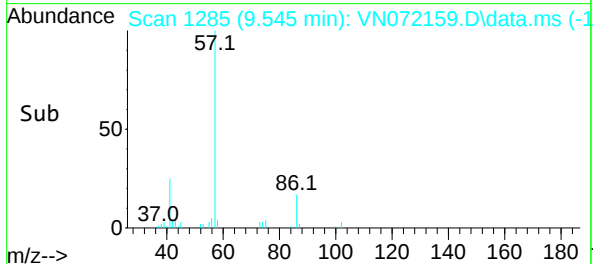
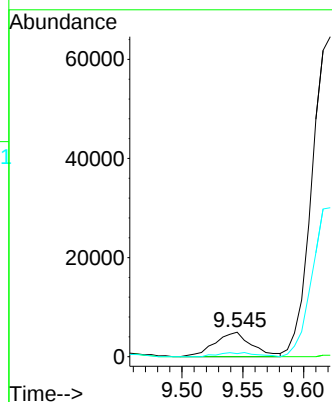
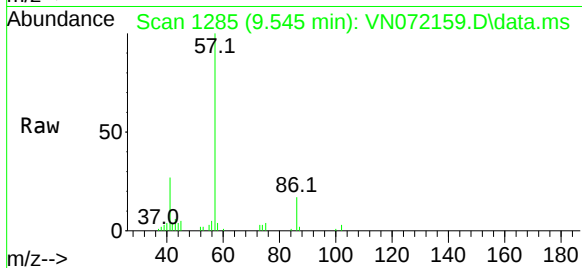
Tgt Ion: 41 Resp: 10415

Ion Ratio Lower Upper

41 100

69 0.0 74.7 112.1#

39 17.1 45.6 68.4#



#49

1,4-Dioxane

Concen: Below Cal

RT: 9.616 min Scan# 1297

Delta R.T. 0.053 min

Lab File: VN072159.D

Acq: 22 Apr 2022 16:10

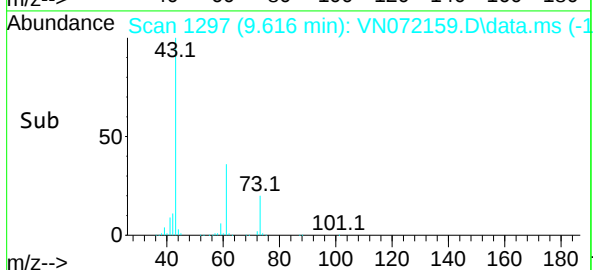
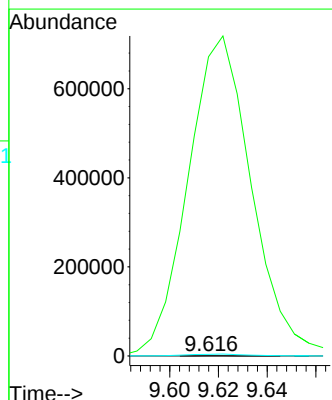
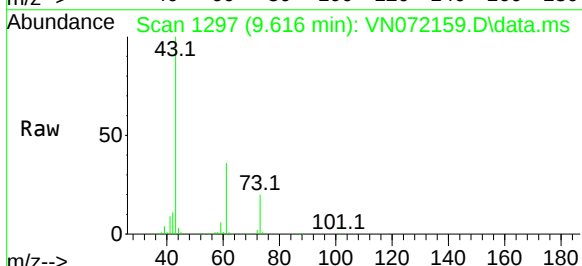
Tgt Ion: 88 Resp: 254

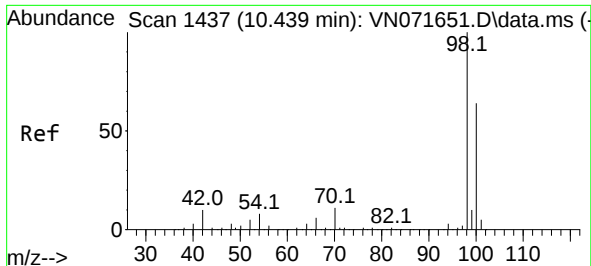
Ion Ratio Lower Upper

88 100

43 525986.6 20.2 30.4#

58 2982.3 54.2 81.4#

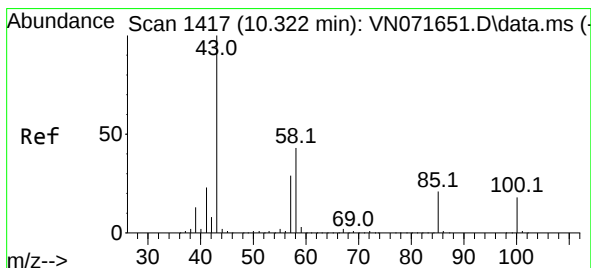
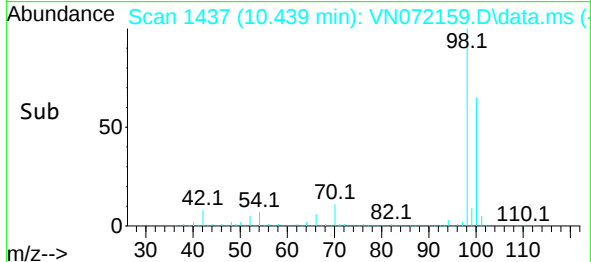
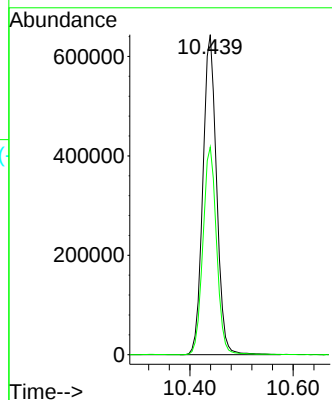
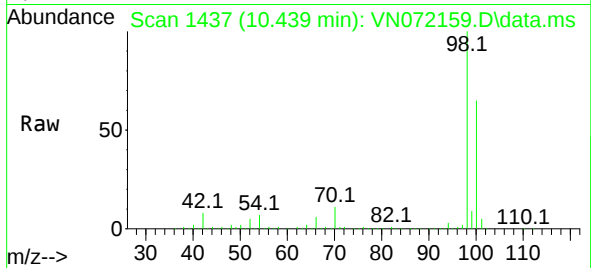




#50
Toluene-d8
Concen: 53.931 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072159.D
Acq: 22 Apr 2022 16:10

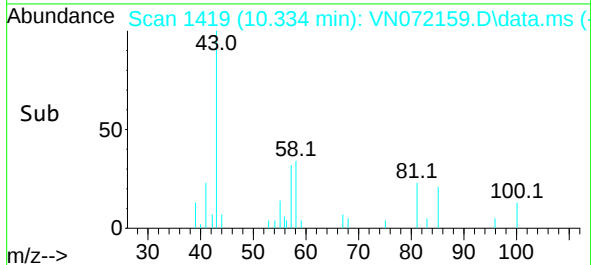
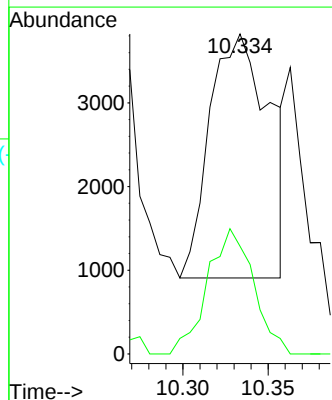
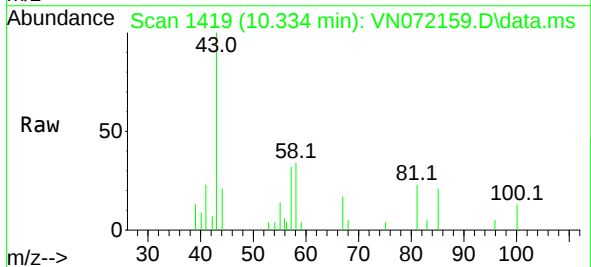
Instrument :
MSVOA_N
ClientSampleId :

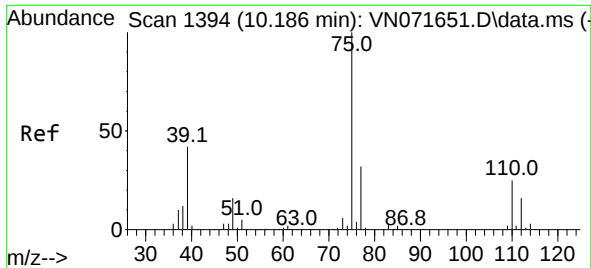
Tgt Ion: 98 Resp: 1182943
Ion Ratio Lower Upper
98 100
100 64.9 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.907 ug/l
RT: 10.334 min Scan# 1419
Delta R.T. 0.012 min
Lab File: VN072159.D
Acq: 22 Apr 2022 16:10

Tgt Ion: 43 Resp: 7105
Ion Ratio Lower Upper
43 100
58 39.5 34.1 51.1

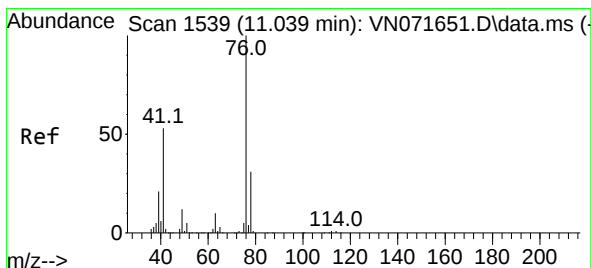
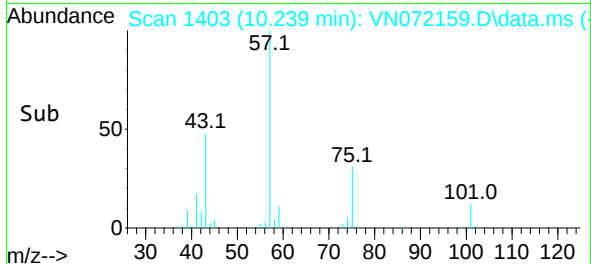
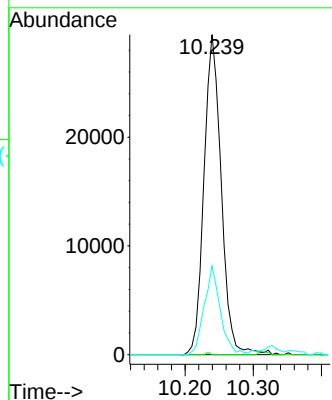
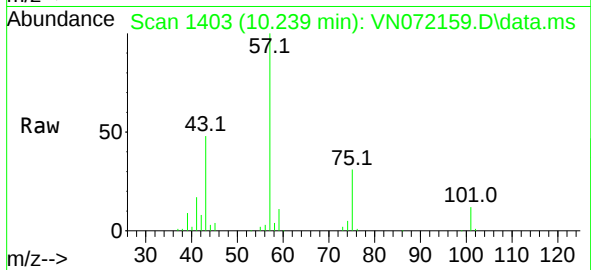




#54
 cis-1,3-Dichloropropene
 Concen: 5.671 ug/l
 RT: 10.239 min Scan# 1403
 Delta R.T. 0.053 min
 Lab File: VN072159.D
 Acq: 22 Apr 2022 16:10

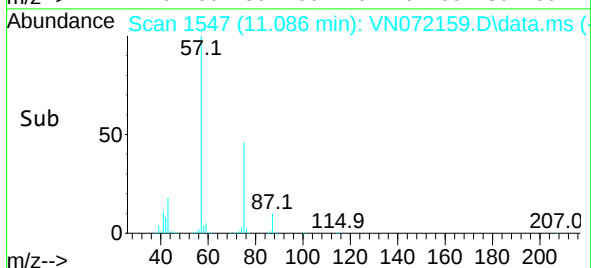
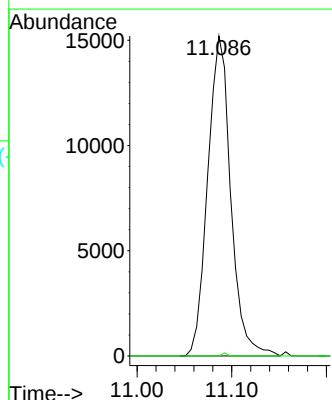
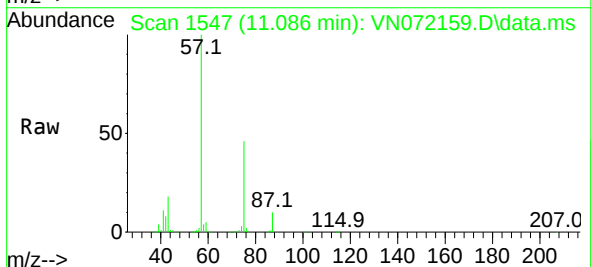
Instrument :
 MSVOA_N
 ClientSampleId :

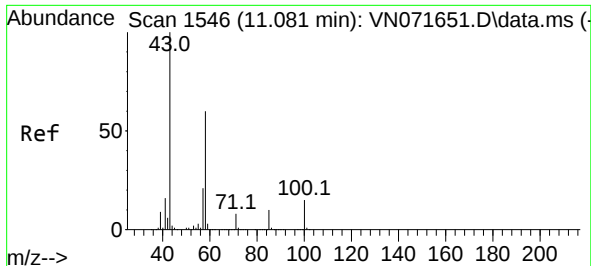
Tgt Ion: 75 Resp: 51868
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.2 37.8#
 39 27.7 35.7 53.5#



#57
 1,3-Dichloropropane
 Concen: 2.494 ug/l
 RT: 11.086 min Scan# 1547
 Delta R.T. 0.047 min
 Lab File: VN072159.D
 Acq: 22 Apr 2022 16:10

Tgt Ion: 76 Resp: 25664
 Ion Ratio Lower Upper
 76 100
 78 0.2 26.2 39.2#

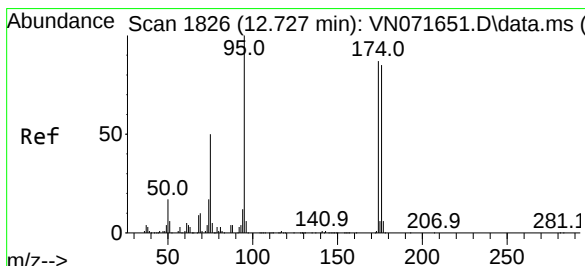
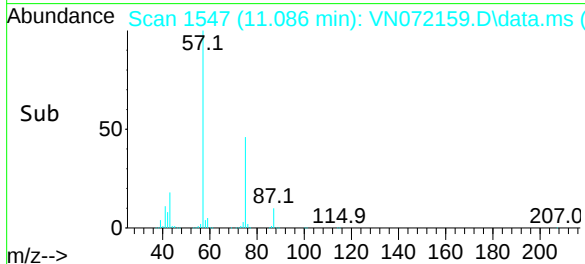
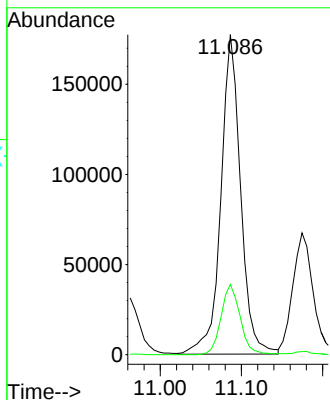
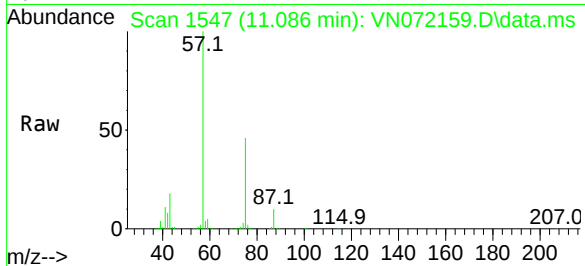




#59
2-Hexanone
Concen: 54.429 ug/l
RT: 11.086 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN072159.D
Acq: 22 Apr 2022 16:10

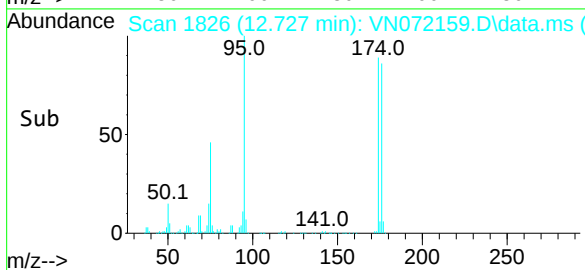
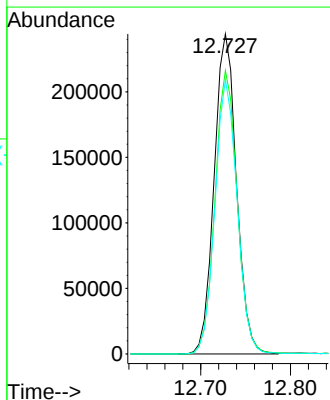
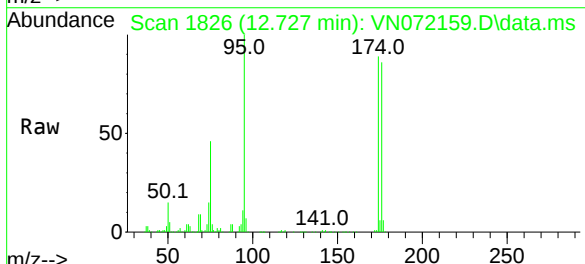
Instrument :
MSVOA_N
ClientSampleId :

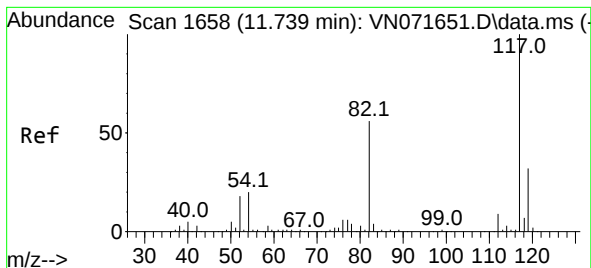
Tgt Ion: 43 Resp: 300338
Ion Ratio Lower Upper
43 100
58 21.2 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 59.412 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072159.D
Acq: 22 Apr 2022 16:10

Tgt Ion: 95 Resp: 421467
Ion Ratio Lower Upper
95 100
174 88.4 0.0 167.6
176 85.2 0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.739 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN072159.D

Acq: 22 Apr 2022 16:10

Instrument :

MSVOA_N

ClientSampleId :

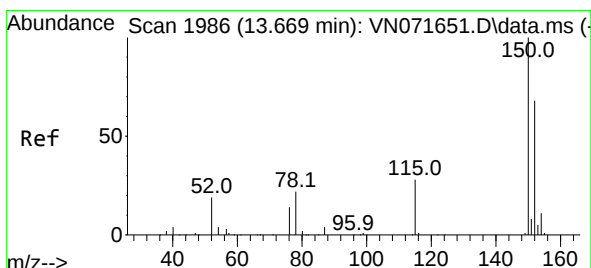
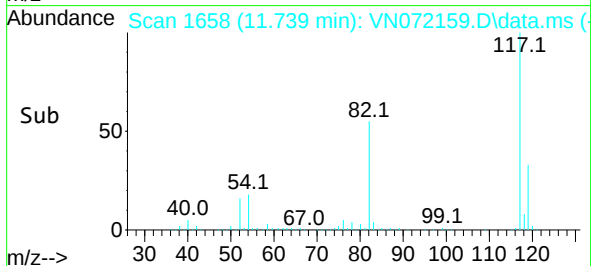
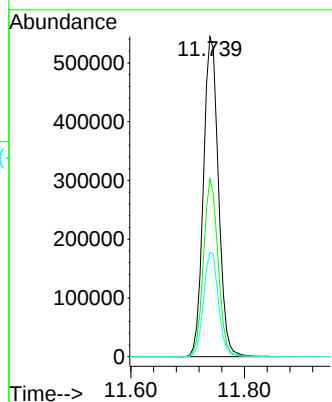
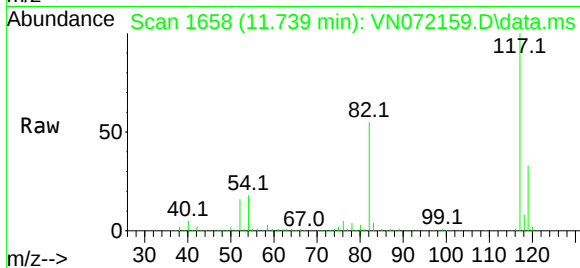
Tgt Ion:117 Resp: 998496

Ion Ratio Lower Upper

117 100

82 55.4 44.2 66.2

119 32.6 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.669 min Scan# 1986

Delta R.T. -0.000 min

Lab File: VN072159.D

Acq: 22 Apr 2022 16:10

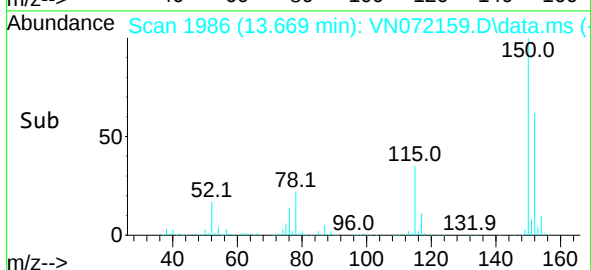
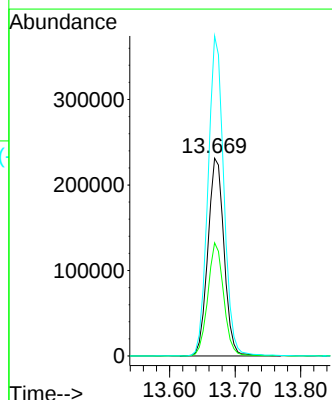
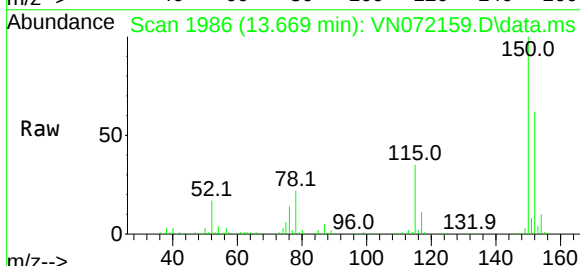
Tgt Ion:152 Resp: 397275

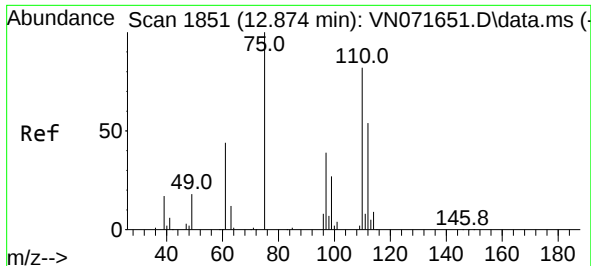
Ion Ratio Lower Upper

152 100

115 56.2 28.9 86.7

150 158.4 0.0 356.2

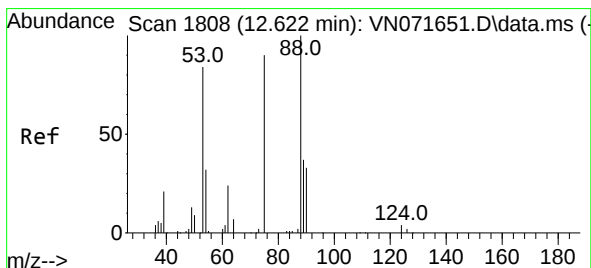
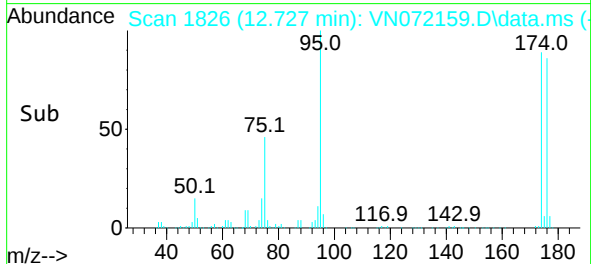
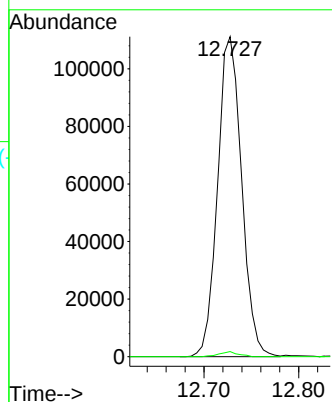
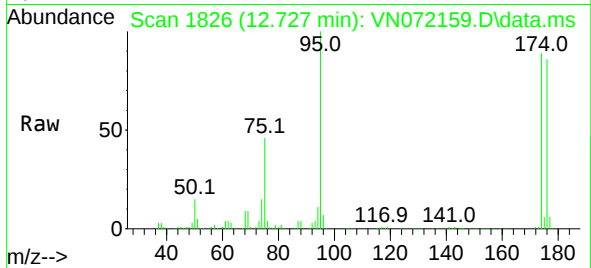




#76
1,2,3-Trichloropropane
Concen: 21.287 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072159.D
Acq: 22 Apr 2022 16:10

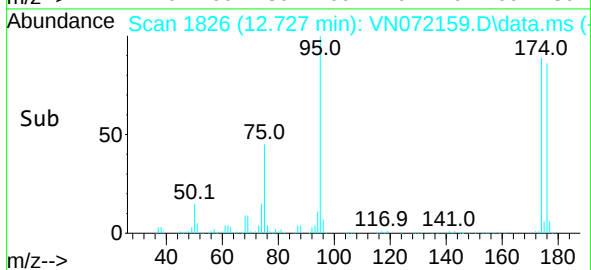
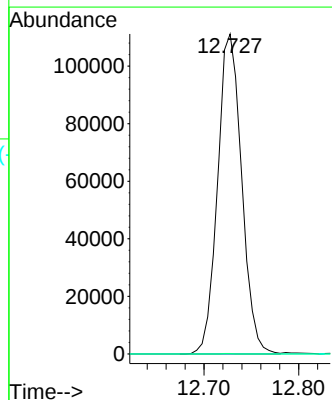
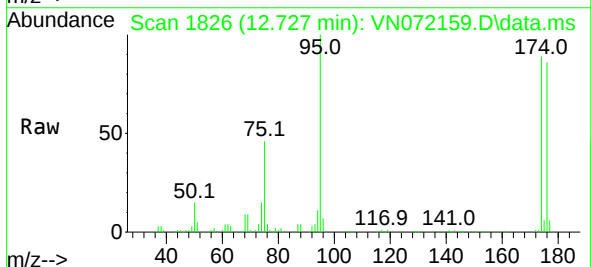
Instrument :
MSVOA_N
ClientSampleId :

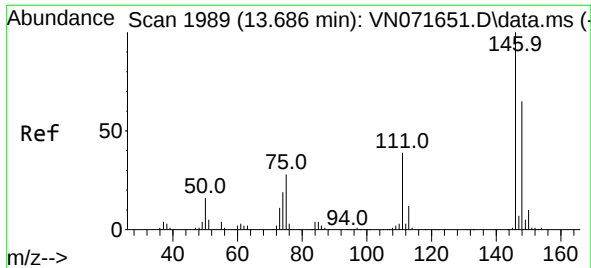
Tgt Ion: 75 Resp: 195907
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.967 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN072159.D
Acq: 22 Apr 2022 16:10

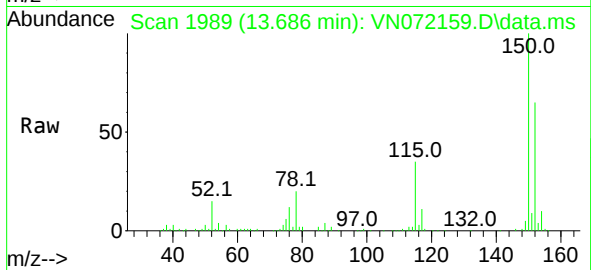
Tgt Ion: 75 Resp: 195907
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#



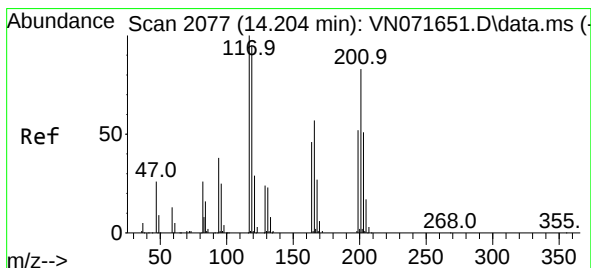
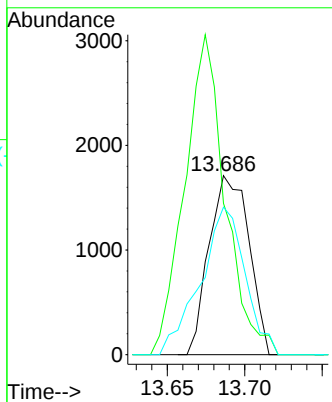
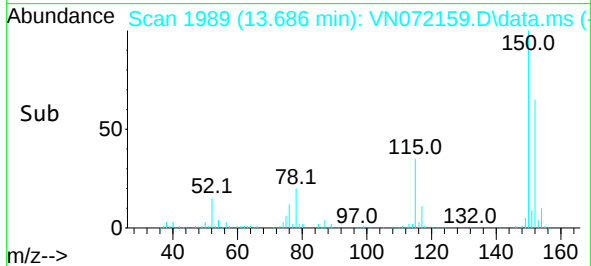


#88
1,4-Dichlorobenzene
Concen: 0.234 ug/l
RT: 13.686 min Scan# 1989
Delta R.T. 0.000 min
Lab File: VN072159.D
Acq: 22 Apr 2022 16:10

Instrument :
MSVOA_N
ClientSampleId :

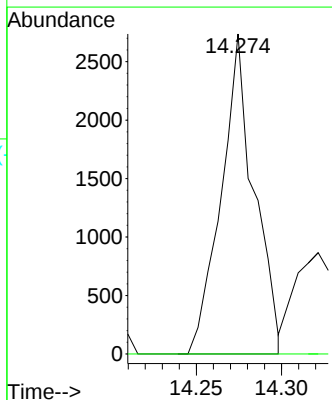
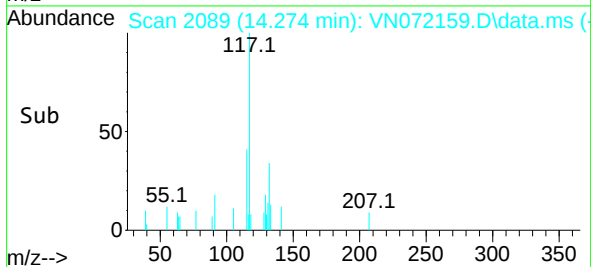
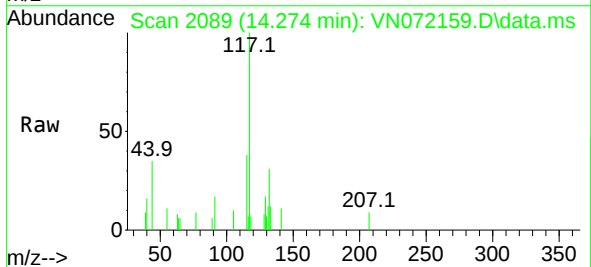


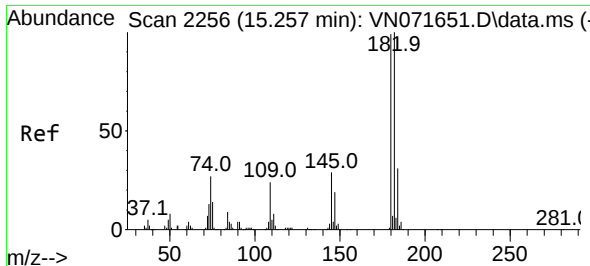
Tgt Ion:146 Resp: 3055
Ion Ratio Lower Upper
146 100
111 181.3 19.1 57.1#
148 92.6 31.4 94.3



#90
Hexachloroethane
Concen: 0.802 ug/l
RT: 14.274 min Scan# 2089
Delta R.T. 0.070 min
Lab File: VN072159.D
Acq: 22 Apr 2022 16:10

Tgt Ion:117 Resp: 3679
Ion Ratio Lower Upper
117 100
201 0.0 40.6 122.0#

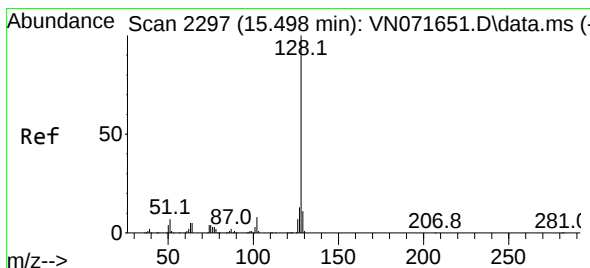
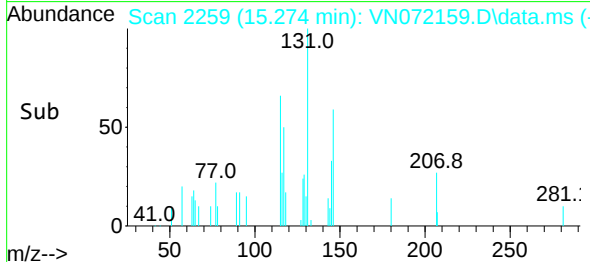
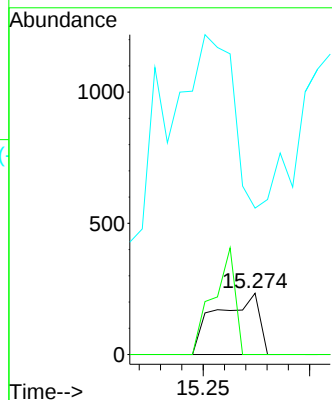
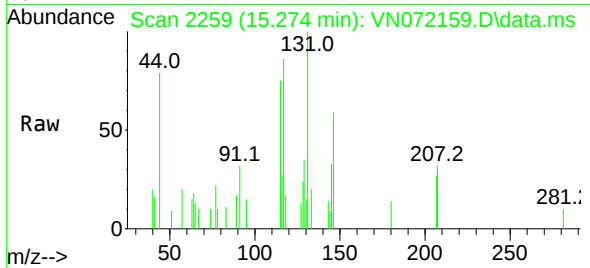




#93
1,2,4-Trichlorobenzene
Concen: 2.134 ug/l
RT: 15.274 min Scan# 2256
Delta R.T. 0.017 min
Lab File: VN072159.D
Acq: 22 Apr 2022 16:10

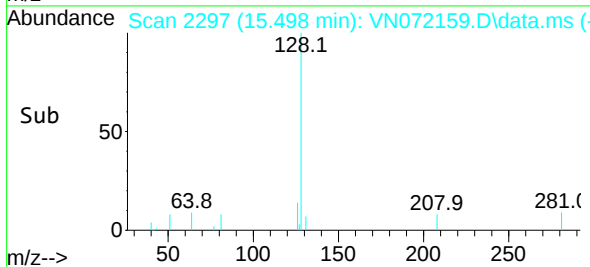
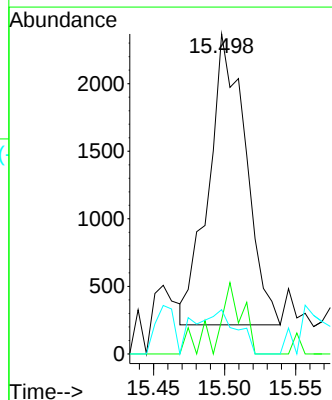
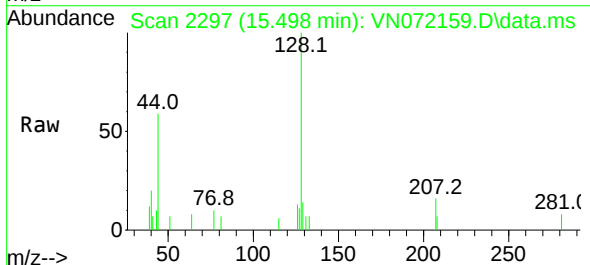
Instrument :
MSVOA_N
ClientSampleId :

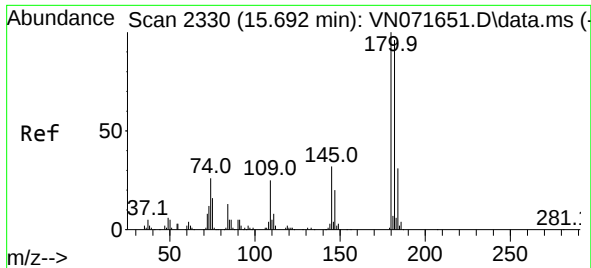
Tgt Ion:180 Resp: 318
Ion Ratio Lower Upper
180 100
182 92.1 47.5 142.5
145 0.0 14.5 43.5#



#95
Naphthalene
Concen: 4.002 ug/l
RT: 15.498 min Scan# 2297
Delta R.T. -0.000 min
Lab File: VN072159.D
Acq: 22 Apr 2022 16:10

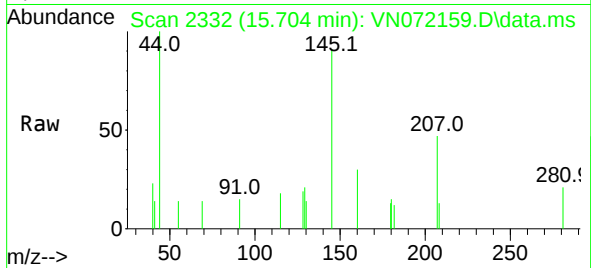
Tgt Ion:128 Resp: 3900
Ion Ratio Lower Upper
128 100
127 14.8 10.3 15.5
129 17.3 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.476 ug/l
 RT: 15.704 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VN072159.D
 Acq: 22 Apr 2022 16:10

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 396
 Ion Ratio Lower Upper
 180 100
 182 67.2 47.8 143.3
 145 0.0 15.5 46.5#

