

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041522\
 Data File : VN072020.D
 Acq On : 15 Apr 2022 22:51
 Operator : JC\MD
 Sample : PB144101ZHE#08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB144101ZHE#08

Quant Time: Apr 16 00:09:41 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)

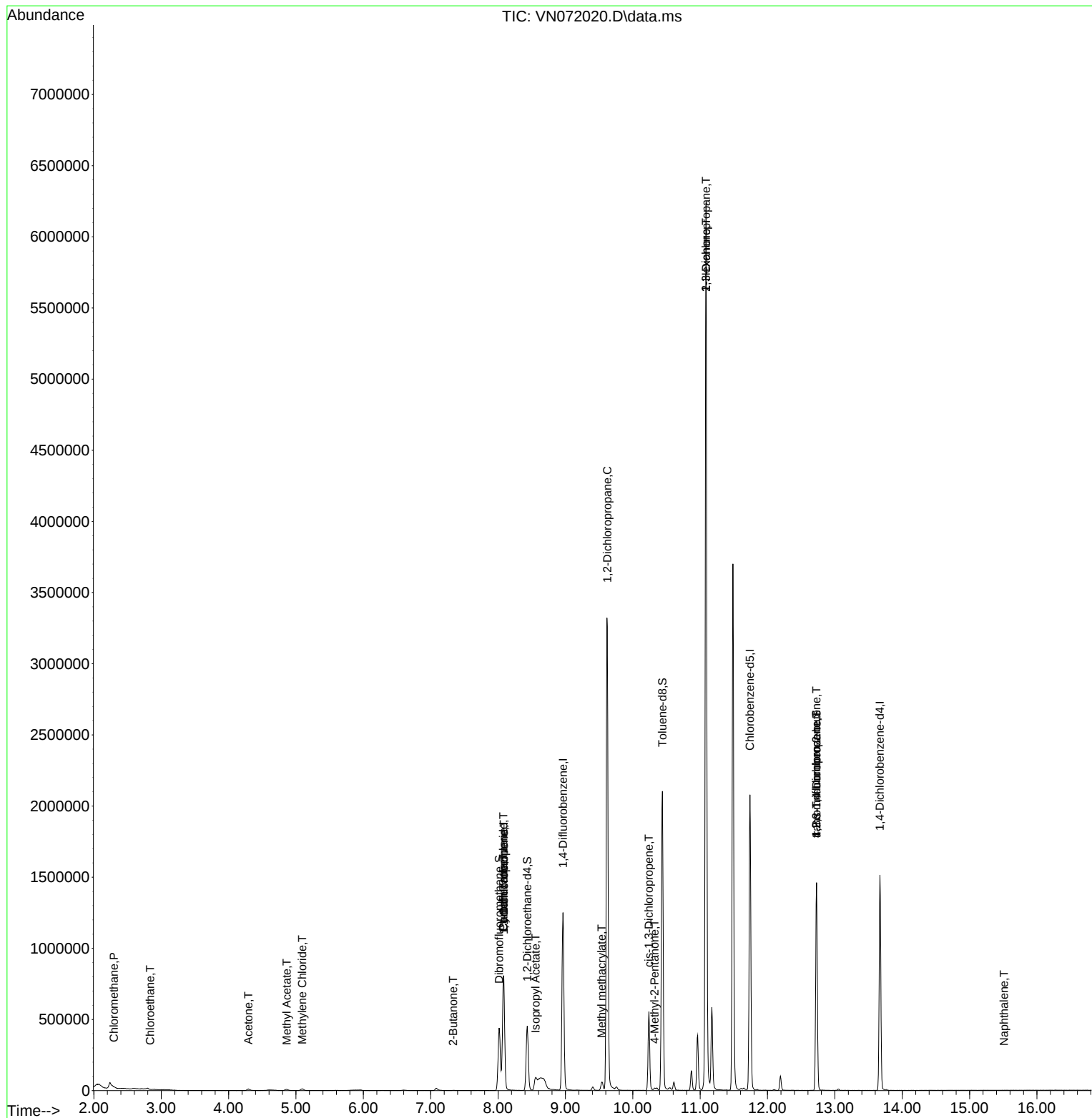
Internal Standards						
1) Pentafluorobenzene	8.081	168	679569	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1171913	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1292267	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	448299	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	367700	47.396	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	94.800%
35) Dibromofluoromethane	8.016	113	328600	47.651	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.300%
50) Toluene-d8	10.439	98	1527985	54.164	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	108.320%
62) 4-Bromofluorobenzene	12.727	95	520121	57.008	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	114.020%
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	1758	0.257	ug/l	100
6) Chloroethane	2.834	64	2052	0.379	ug/l #	42
16) Acetone	4.293	43	16845	5.081	ug/l #	72
18) Methyl Acetate	4.863	43	17841	0.680	ug/l	97
20) Methylene Chloride	5.093	84	10407	1.489	ug/l #	91
25) 2-Butanone	7.334	43	3216	0.673	ug/l	95
31) Cyclohexane	8.081	56	10588	1.004	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	45131	4.686	ug/l #	49
38) Carbon Tetrachloride	8.081	117	59232	6.276	ug/l #	16
43) Isopropyl Acetate	8.557	43	107160	6.112	ug/l #	77
45) 1,2-Dichloropropane	9.622	63	4772	0.628	ug/l #	44
48) Methyl methacrylate	9.539	41	15192	2.089	ug/l #	10
49) 1,4-Dioxane	9.616	88	661	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.322	43	9362	0.929	ug/l	93
54) cis-1,3-Dichloropropene	10.239	75	111083	9.444	ug/l #	57
57) 1,3-Dichloropropane	11.086	76	70575	5.333	ug/l #	43
59) 2-Hexanone	11.086	43	828069	116.683	ug/l #	48
76) 1,2,3-Trichloropropane	12.727	75	249749	24.049	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	249749	74.526	ug/l #	10
95) Naphthalene	15.510	128	212	3.812	ug/l #	69

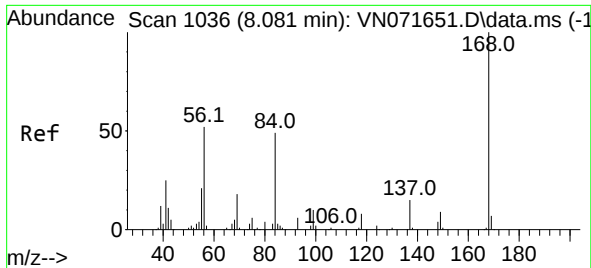
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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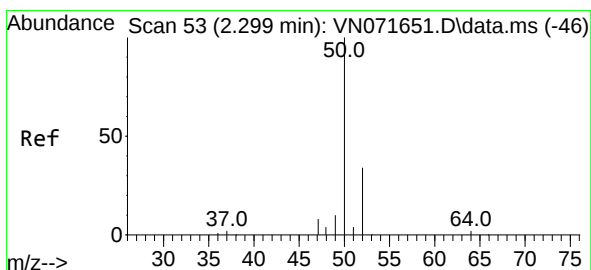
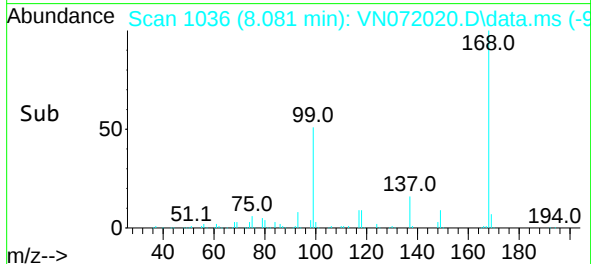
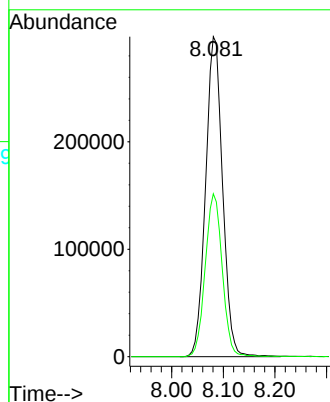
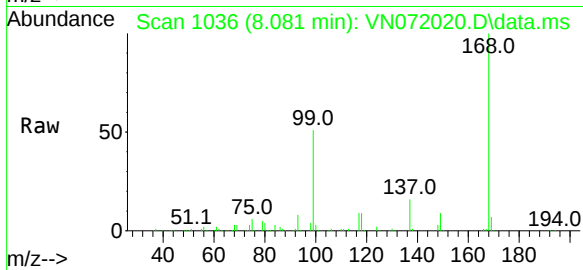




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN072020.D
Acq: 15 Apr 2022 22:51

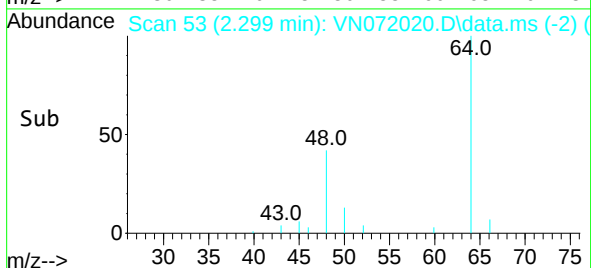
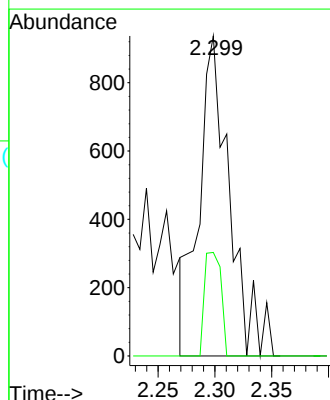
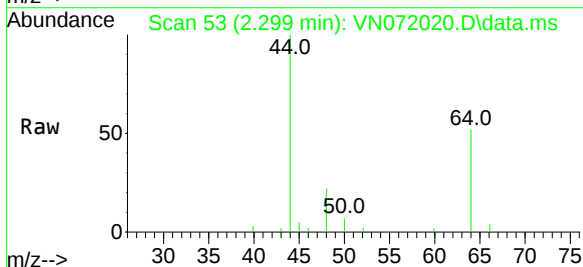
Instrument :
MSVOA_N
ClientSampleId :
PB144101ZHE#08

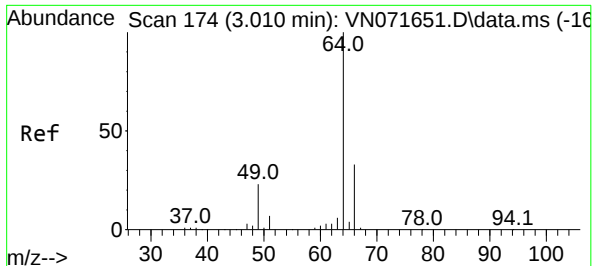
Tgt Ion:168 Resp: 679569
Ion Ratio Lower Upper
168 100
99 50.9 42.3 63.5



#3
Chloromethane
Concen: 0.257 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN072020.D
Acq: 15 Apr 2022 22:51

Tgt Ion: 50 Resp: 1758
Ion Ratio Lower Upper
50 100
52 32.3 25.7 38.5

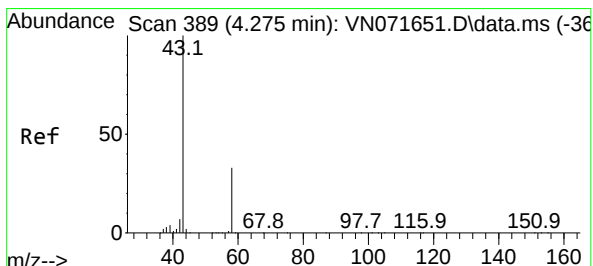
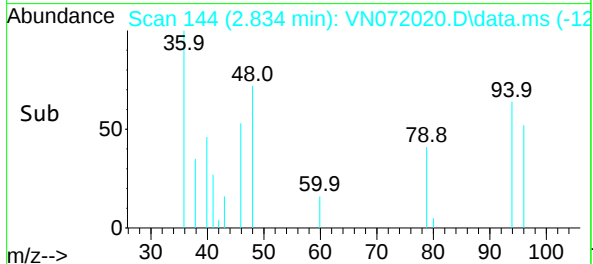
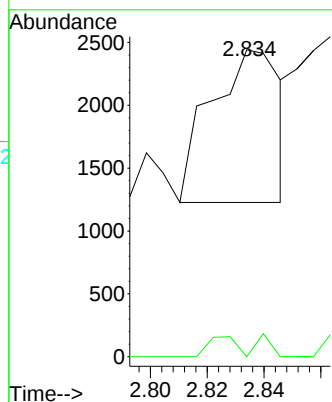
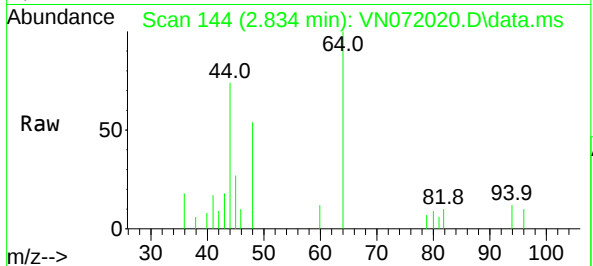




#6
Chloroethane
Concen: 0.379 ug/l
RT: 2.834 min Scan# 14
Delta R.T. -0.176 min
Lab File: VN072020.D
Acq: 15 Apr 2022 22:51

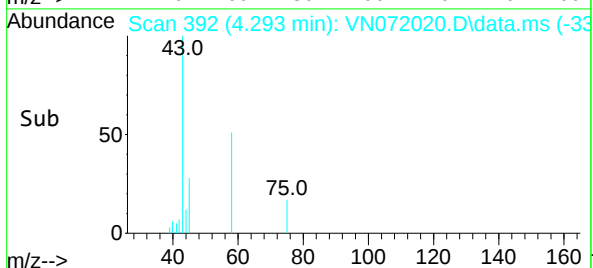
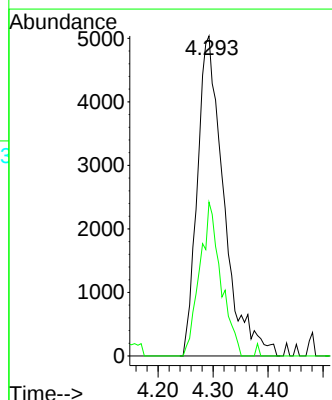
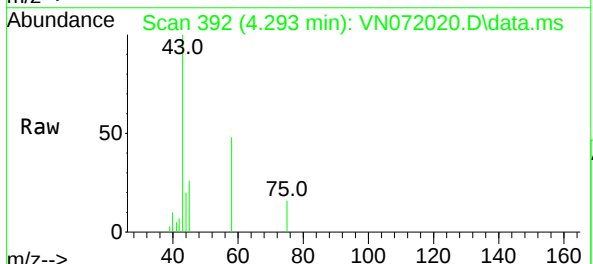
Instrument :
MSVOA_N
ClientSampleId :
PB144101ZHE#08

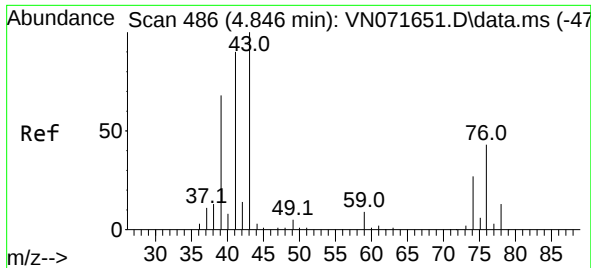
Tgt Ion: 64 Resp: 2052
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#16
Acetone
Concen: 5.081 ug/l
RT: 4.293 min Scan# 392
Delta R.T. 0.018 min
Lab File: VN072020.D
Acq: 15 Apr 2022 22:51

Tgt Ion: 43 Resp: 16845
Ion Ratio Lower Upper
43 100
58 48.0 26.0 39.0#

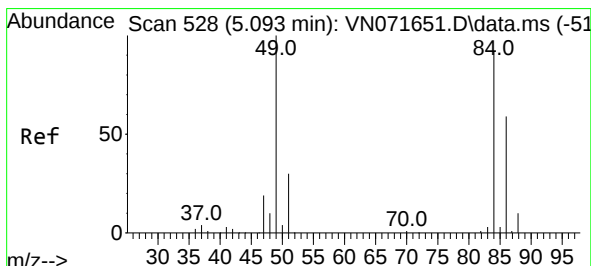
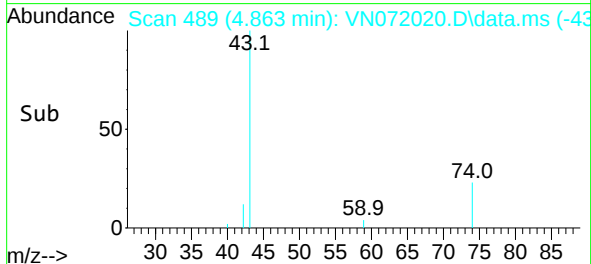
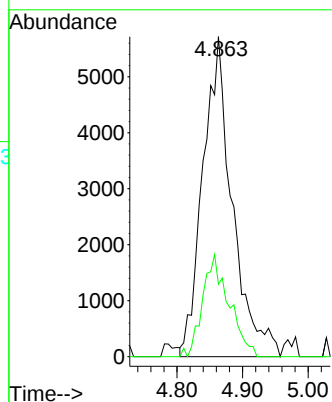
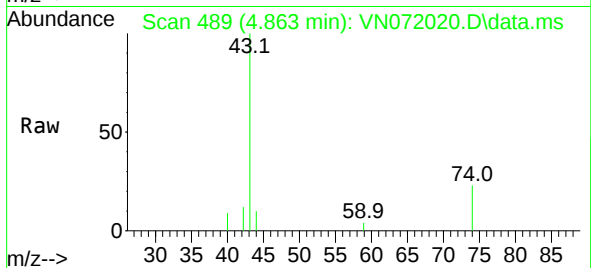




#18
Methyl Acetate
Concen: 0.680 ug/l
RT: 4.863 min Scan# 489
Delta R.T. 0.017 min
Lab File: VN072020.D
Acq: 15 Apr 2022 22:51

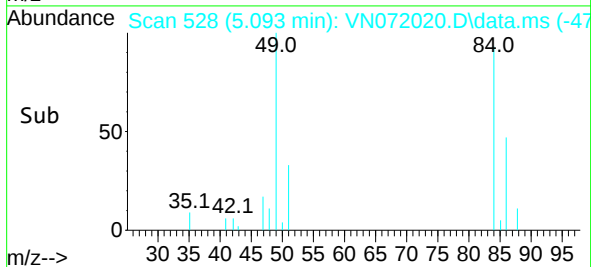
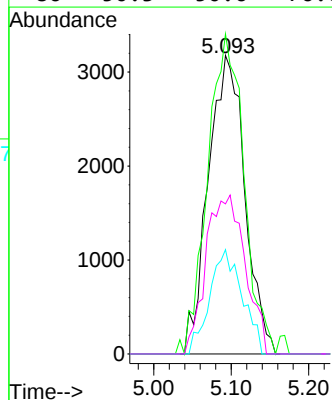
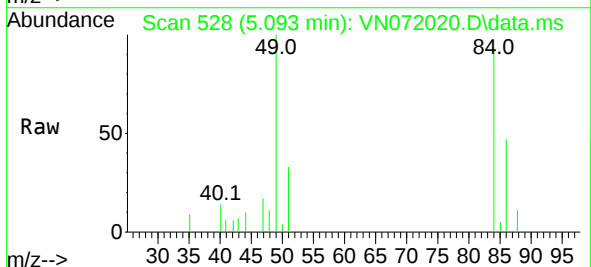
Instrument :
MSVOA_N
ClientSampleId :
PB144101ZHE#08

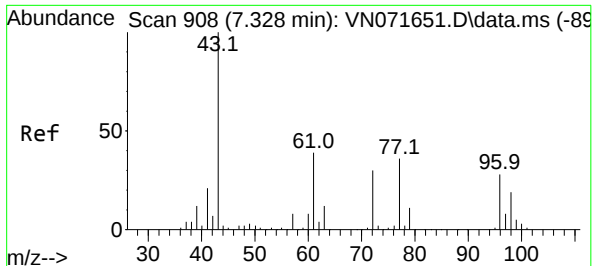
Tgt Ion: 43 Resp: 17841
Ion Ratio Lower Upper
43 100
74 28.5 21.6 32.4



#20
Methylene Chloride
Concen: 1.489 ug/l
RT: 5.093 min Scan# 528
Delta R.T. -0.000 min
Lab File: VN072020.D
Acq: 15 Apr 2022 22:51

Tgt Ion: 84 Resp: 10407
Ion Ratio Lower Upper
84 100
49 102.4 88.3 132.5
51 34.9 28.2 42.2
86 50.3 50.6 76.0#





#25

2-Butanone

Concen: 0.673 ug/l

RT: 7.334 min Scan# 908

Delta R.T. 0.006 min

Lab File: VN072020.D

Acq: 15 Apr 2022 22:51

Instrument :

MSVOA_N

ClientSampleId :

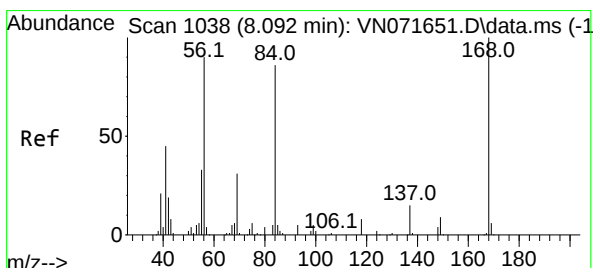
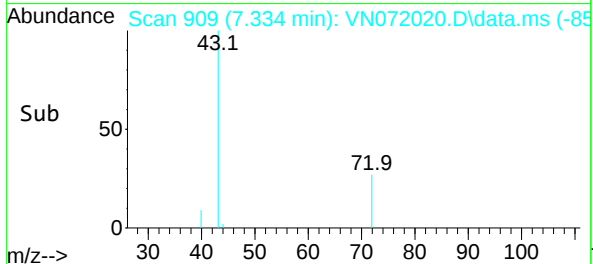
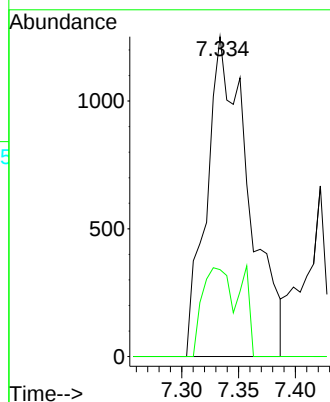
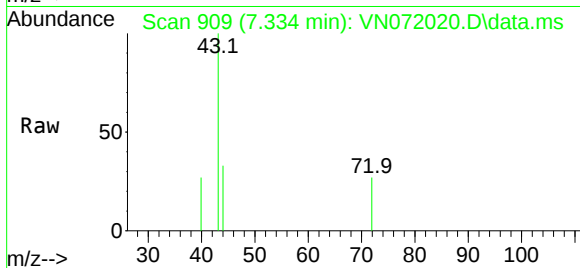
PB144101ZHE#08

Tgt Ion: 43 Resp: 3216

Ion Ratio Lower Upper

43 100

72 27.2 23.7 35.5



#31

Cyclohexane

Concen: 1.004 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.011 min

Lab File: VN072020.D

Acq: 15 Apr 2022 22:51

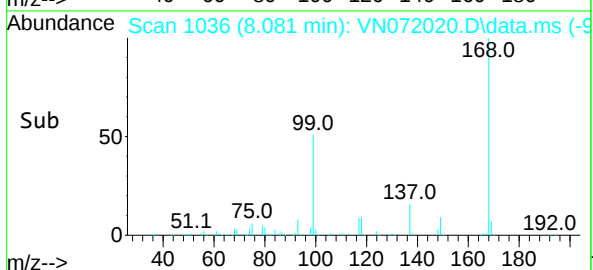
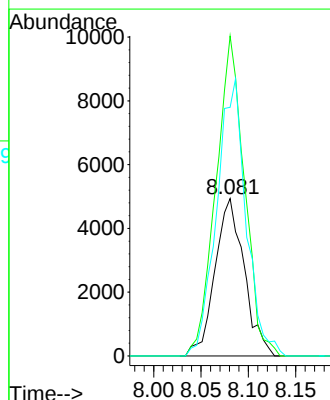
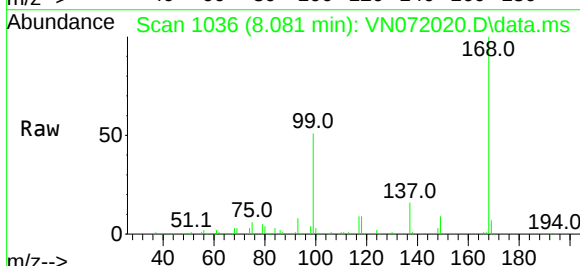
Tgt Ion: 56 Resp: 10588

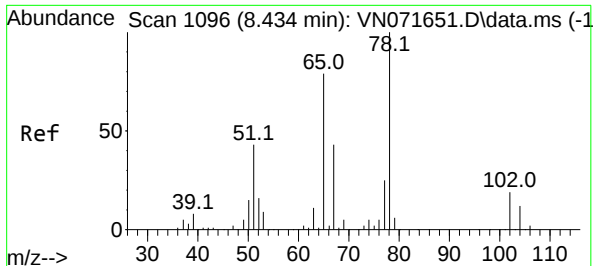
Ion Ratio Lower Upper

56 100

69 203.3 27.8 41.8#

84 157.9 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 47.396 ug/l

RT: 8.434 min Scan# 1096

Delta R.T. -0.000 min

Lab File: VN072020.D

Acq: 15 Apr 2022 22:51

Instrument :

MSVOA_N

ClientSampleId :

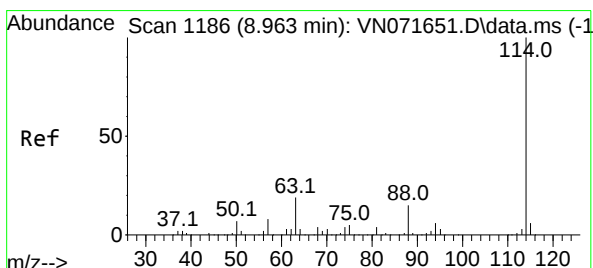
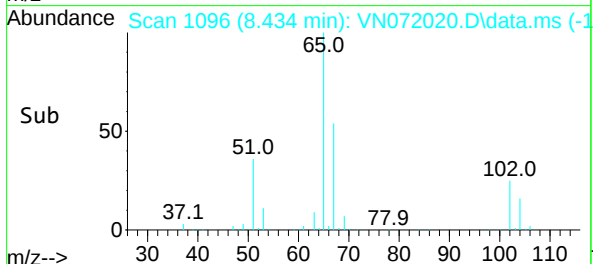
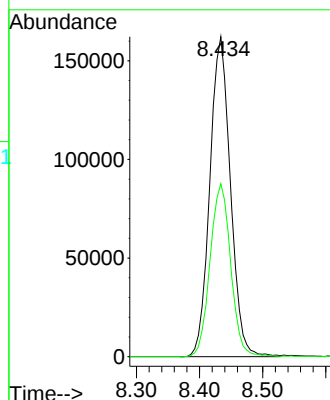
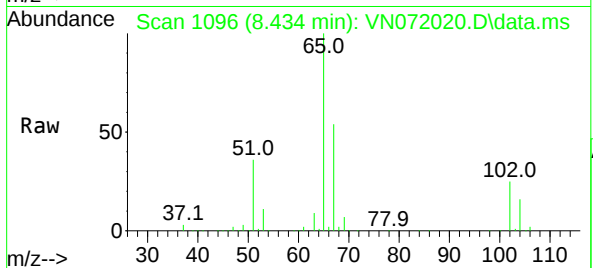
PB144101ZHE#08

Tgt Ion: 65 Resp: 367700

Ion Ratio Lower Upper

65 100

67 54.1 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: VN072020.D

Acq: 15 Apr 2022 22:51

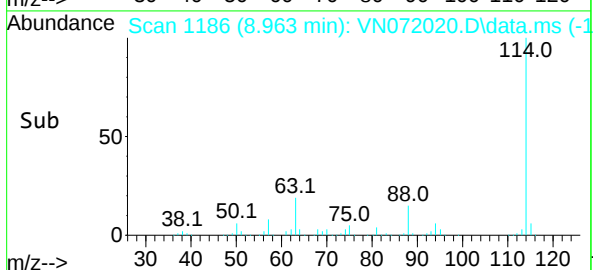
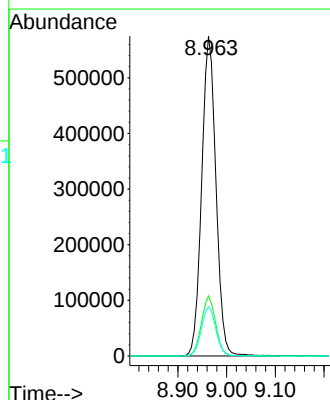
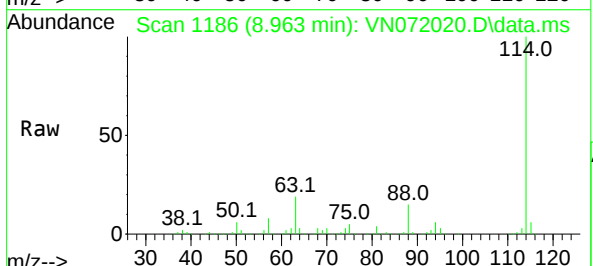
Tgt Ion: 114 Resp: 1171913

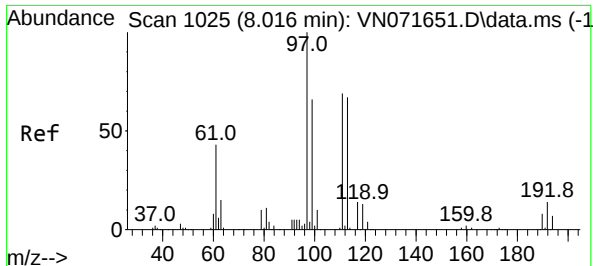
Ion Ratio Lower Upper

114 100

63 18.8 0.0 40.0

88 15.3 0.0 32.6





#35

Dibromofluoromethane

Concen: 47.651 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.000 min

Lab File: VN072020.D

Acq: 15 Apr 2022 22:51

Instrument :

MSVOA_N

ClientSampleId :

PB144101ZHE#08

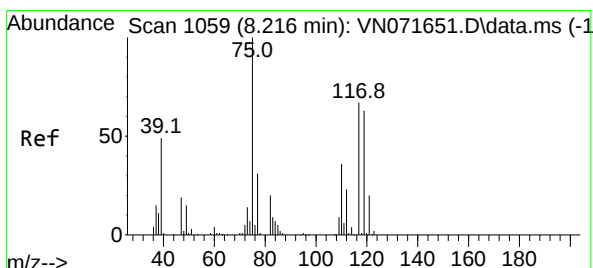
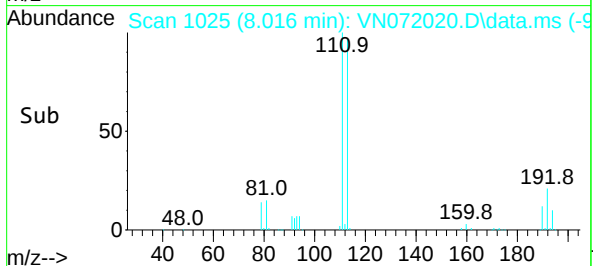
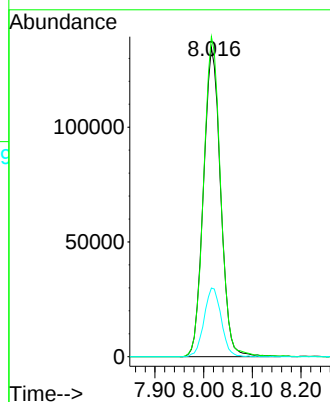
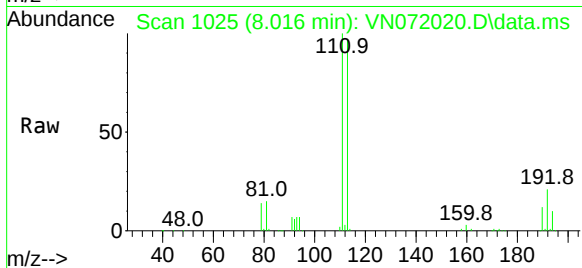
Tgt Ion:113 Resp: 328600

Ion Ratio Lower Upper

113 100

111 102.4 81.4 122.0

192 22.3 17.0 25.6



#36

1,1-Dichloropropene

Concen: 4.686 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.130 min

Lab File: VN072020.D

Acq: 15 Apr 2022 22:51

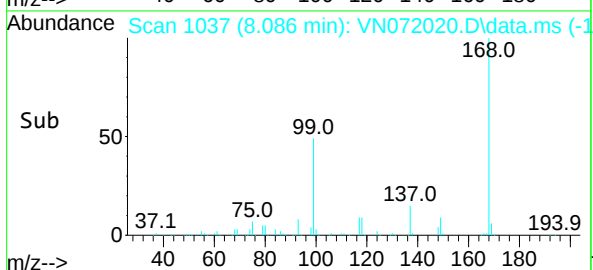
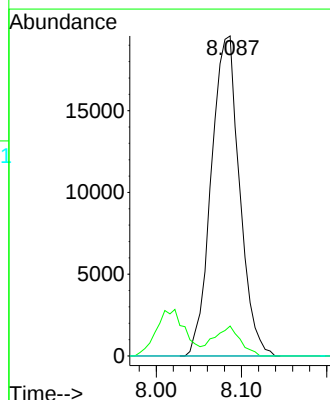
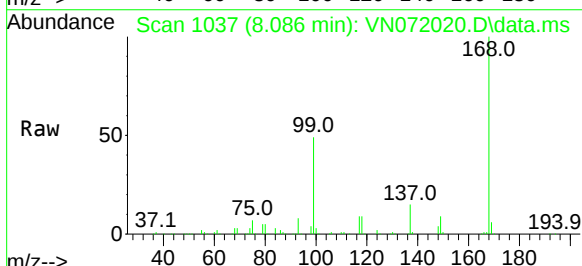
Tgt Ion: 75 Resp: 45131

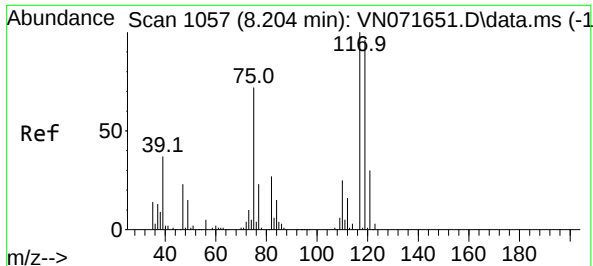
Ion Ratio Lower Upper

75 100

110 8.7 18.3 54.8#

77 0.0 25.1 37.7#

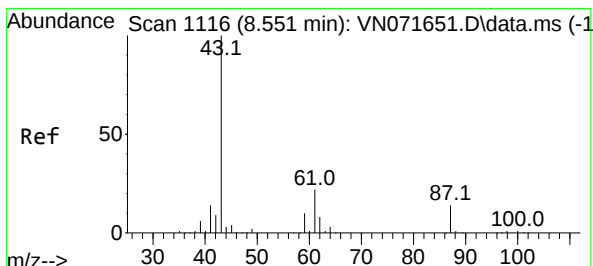
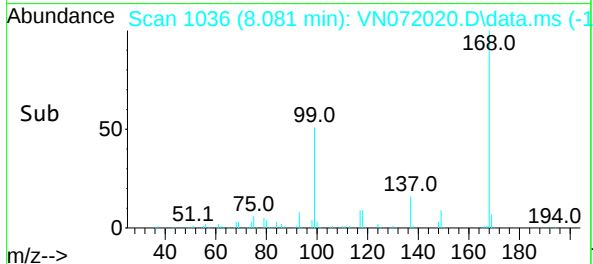
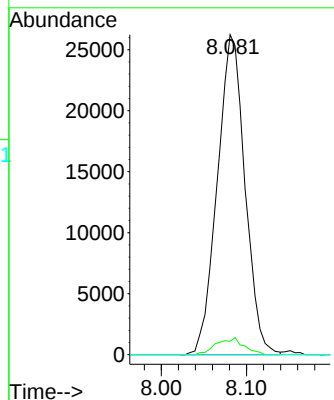
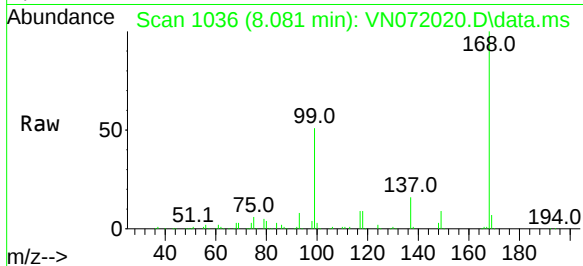




#38
Carbon Tetrachloride
Concen: 6.276 ug/l
RT: 8.081 min Scan# 1107
Delta R.T. -0.123 min
Lab File: VN072020.D
Acq: 15 Apr 2022 22:51

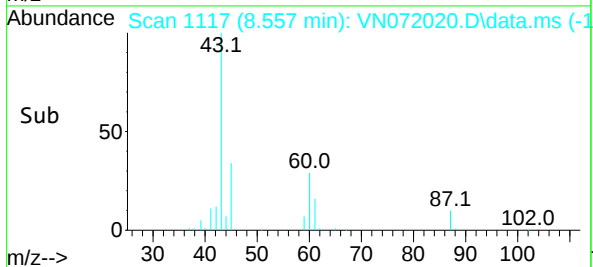
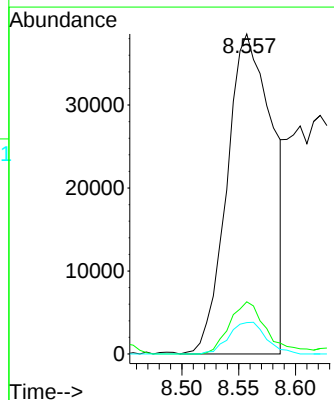
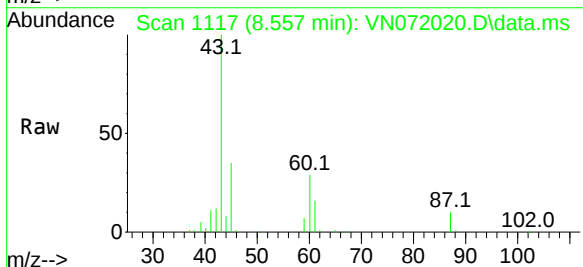
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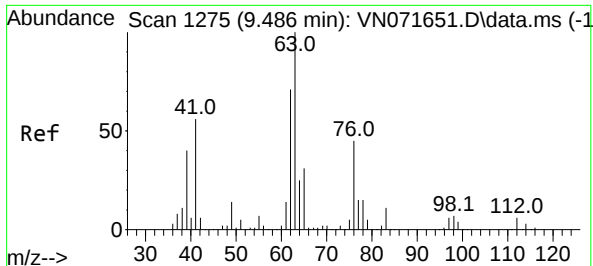
Tgt Ion:117 Resp: 59232
Ion Ratio Lower Upper
117 100
119 4.2 75.8 113.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 6.112 ug/l
RT: 8.557 min Scan# 1117
Delta R.T. 0.006 min
Lab File: VN072020.D
Acq: 15 Apr 2022 22:51

Tgt Ion: 43 Resp: 107160
Ion Ratio Lower Upper
43 100
61 13.4 21.9 32.9#
87 8.1 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.628 ug/l

RT: 9.622 min Scan# 11

Delta R.T. 0.136 min

Lab File: VN072020.D

Acq: 15 Apr 2022 22:51

Instrument :

MSVOA_N

ClientSampleId :

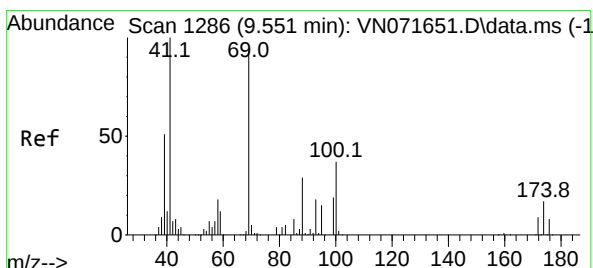
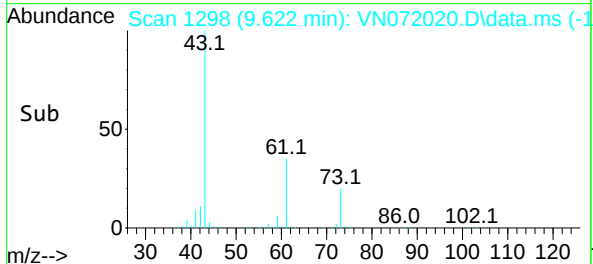
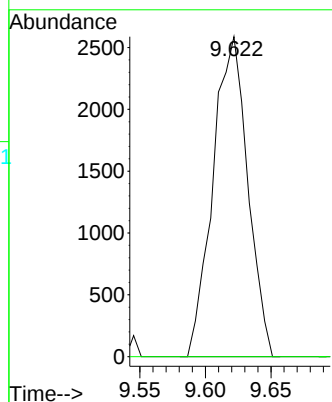
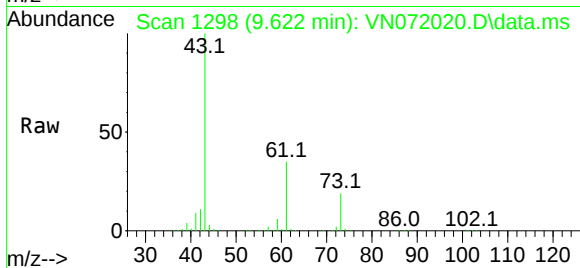
PB144101ZHE#08

Tgt Ion: 63 Resp: 4772

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#



#48

Methyl methacrylate

Concen: 2.089 ug/l

RT: 9.539 min Scan# 1284

Delta R.T. -0.012 min

Lab File: VN072020.D

Acq: 15 Apr 2022 22:51

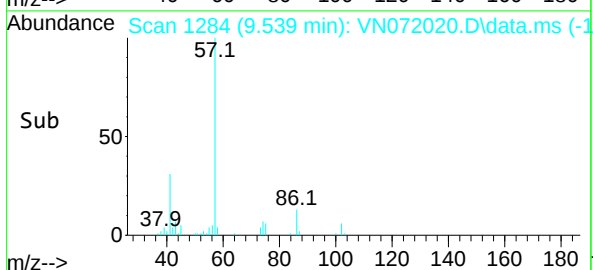
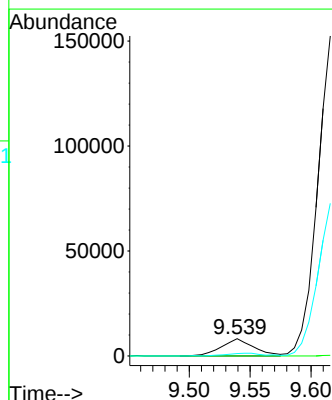
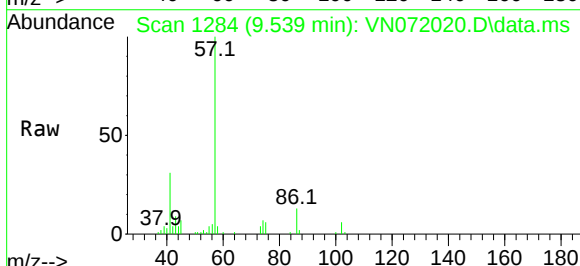
Tgt Ion: 41 Resp: 15192

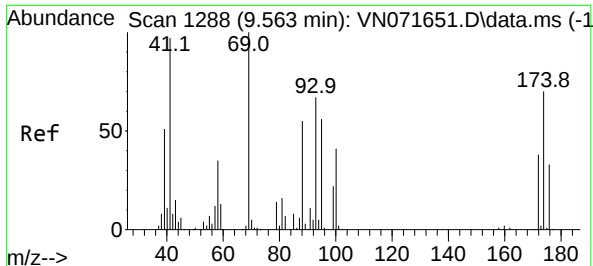
Ion Ratio Lower Upper

41 100

69 0.0 74.7 112.1#

39 0.0 45.6 68.4#





#49

1,4-Dioxane

Concen: Below Cal

RT: 9.616 min Scan# 1288

Delta R.T. 0.053 min

Lab File: VN072020.D

Acq: 15 Apr 2022 22:51

Instrument :

MSVOA_N

ClientSampleId :

PB144101ZHE#08

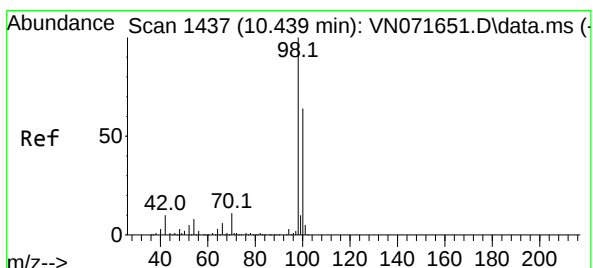
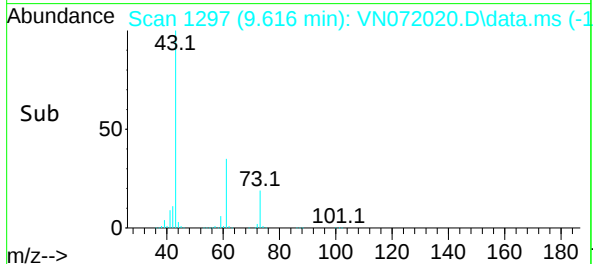
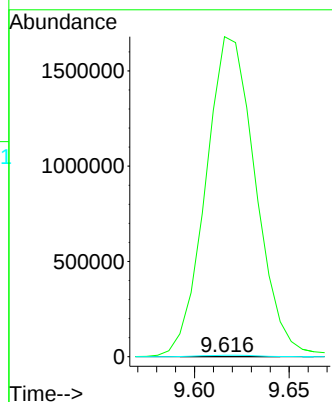
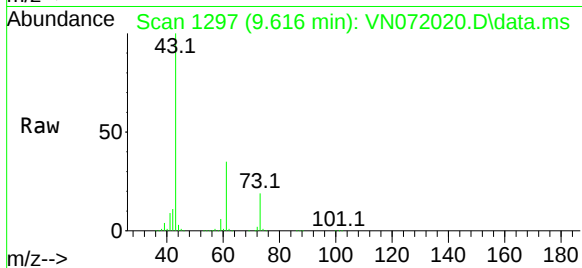
Tgt Ion: 88 Resp: 661

Ion Ratio Lower Upper

88 100

43 472720.1 20.2 30.4#

58 2494.4 54.2 81.4#



#50

Toluene-d8

Concen: 54.164 ug/l

RT: 10.439 min Scan# 1437

Delta R.T. 0.000 min

Lab File: VN072020.D

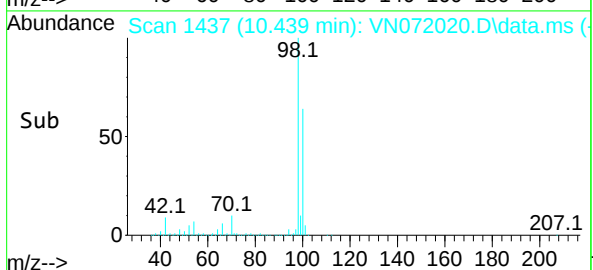
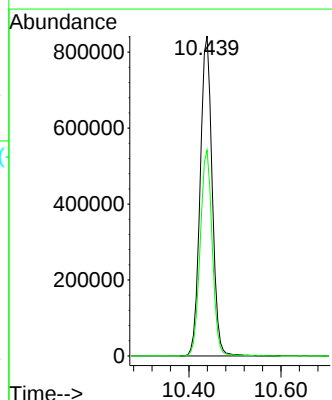
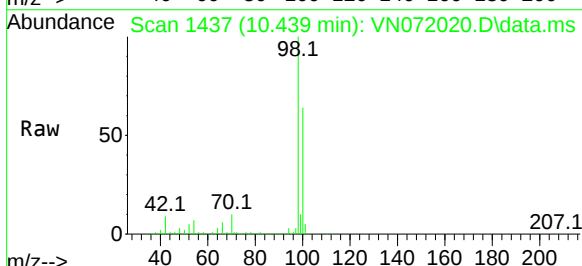
Acq: 15 Apr 2022 22:51

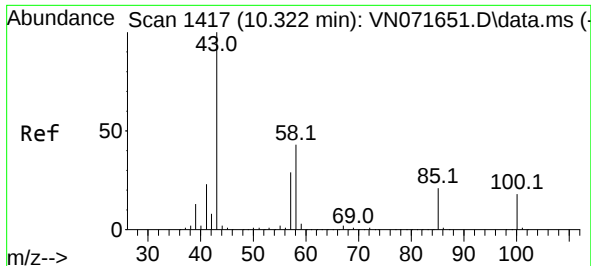
Tgt Ion: 98 Resp: 1527985

Ion Ratio Lower Upper

98 100

100 64.6 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 0.929 ug/l

RT: 10.322 min Scan# 1417

Delta R.T. -0.000 min

Lab File: VN072020.D

Acq: 15 Apr 2022 22:51

Instrument :

MSVOA_N

ClientSampleId :

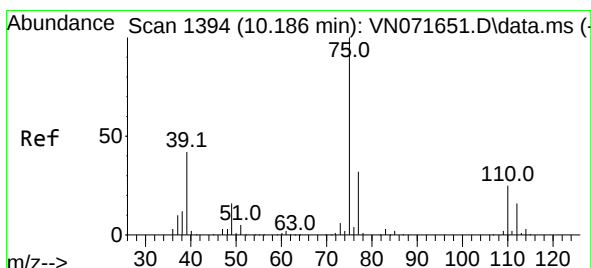
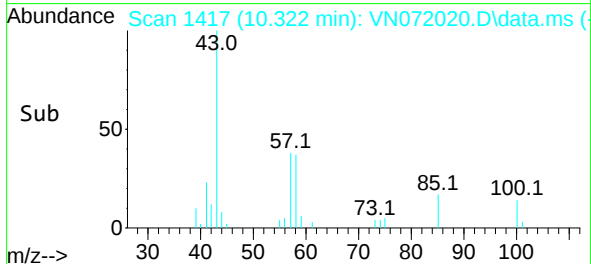
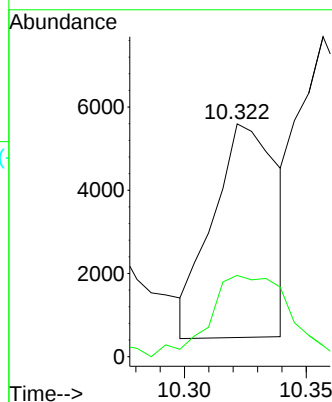
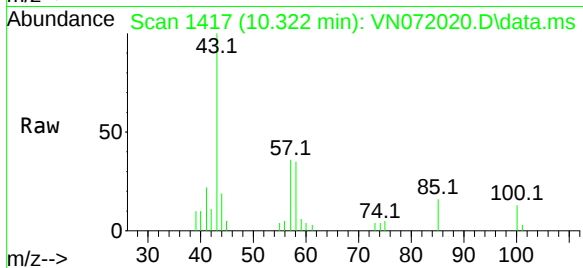
PB144101ZHE#08

Tgt Ion: 43 Resp: 9362

Ion Ratio Lower Upper

43 100

58 46.8 34.1 51.1



#54

cis-1,3-Dichloropropene

Concen: 9.444 ug/l

RT: 10.239 min Scan# 1403

Delta R.T. 0.053 min

Lab File: VN072020.D

Acq: 15 Apr 2022 22:51

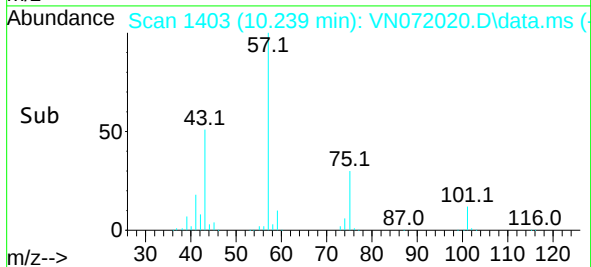
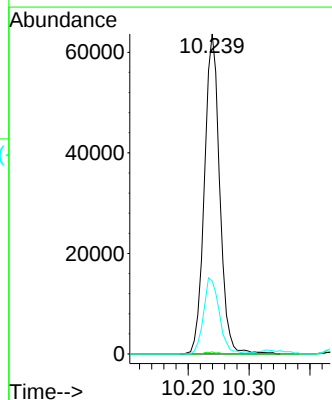
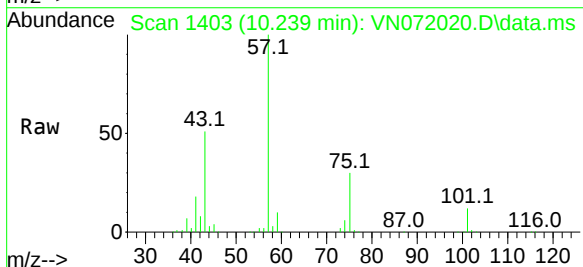
Tgt Ion: 75 Resp: 111083

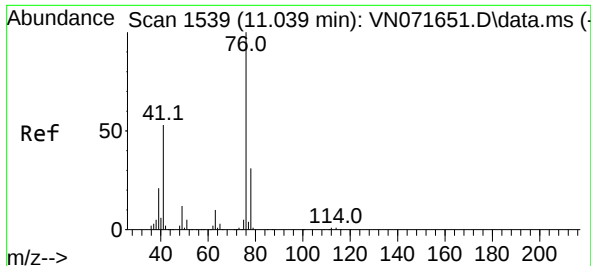
Ion Ratio Lower Upper

75 100

77 0.7 25.2 37.8#

39 22.8 35.7 53.5#





#57

1,3-Dichloropropane

Concen: 5.333 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.047 min

Lab File: VN072020.D

Acq: 15 Apr 2022 22:51

Instrument :

MSVOA_N

ClientSampleId :

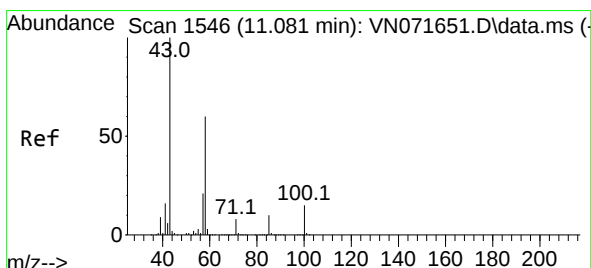
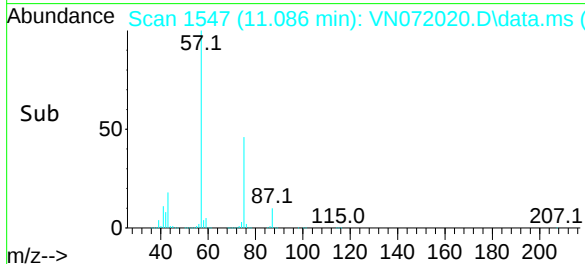
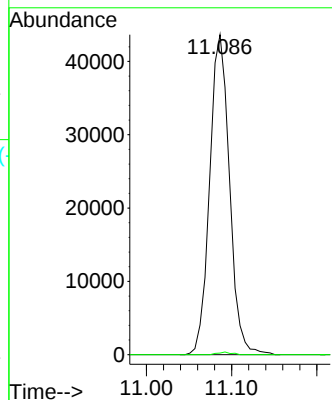
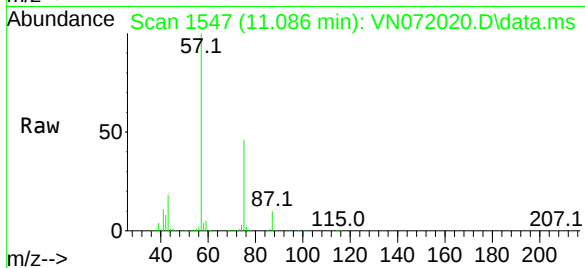
PB144101ZHE#08

Tgt Ion: 76 Resp: 70575

Ion Ratio Lower Upper

76 100

78 0.6 26.2 39.2#



#59

2-Hexanone

Concen: 116.683 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.005 min

Lab File: VN072020.D

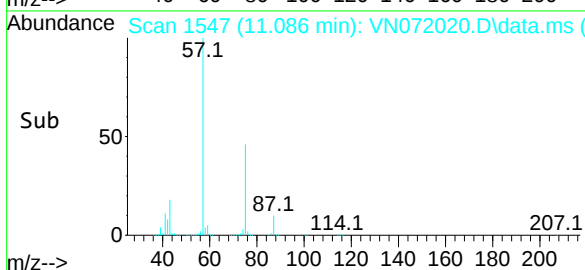
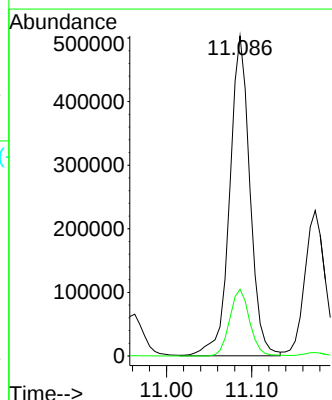
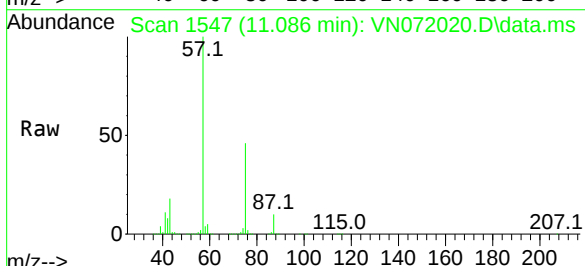
Acq: 15 Apr 2022 22:51

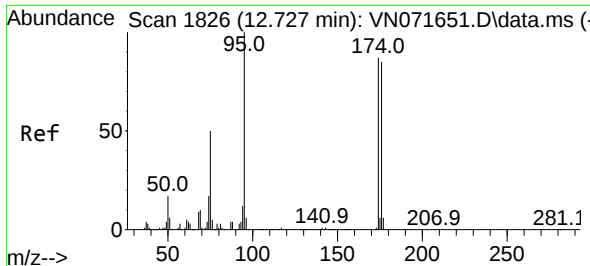
Tgt Ion: 43 Resp: 828069

Ion Ratio Lower Upper

43 100

58 20.6 29.7 89.1#

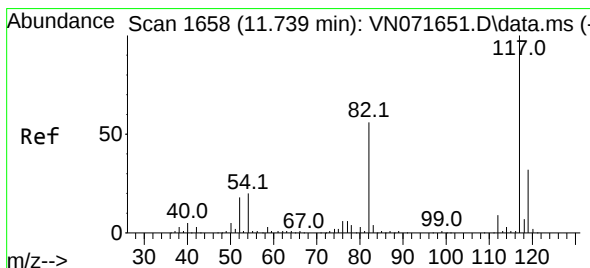
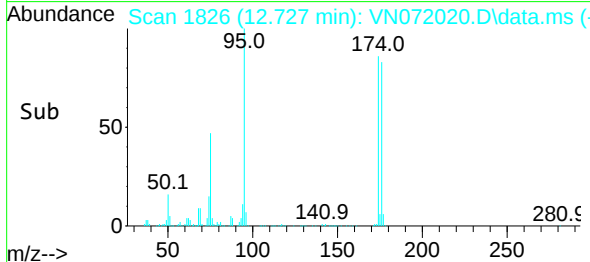
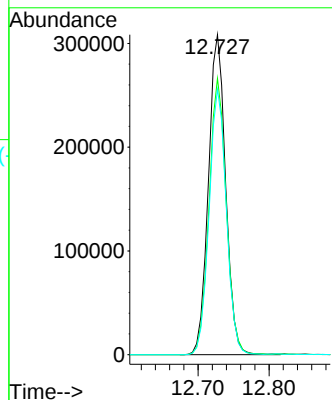
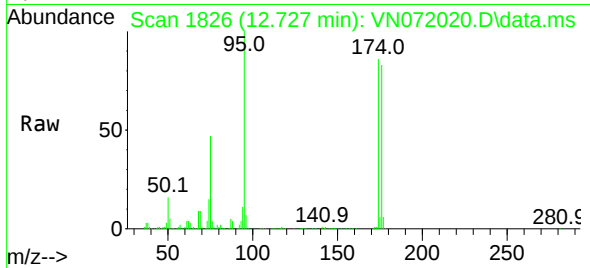




#62
4-Bromofluorobenzene
Concen: 57.008 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072020.D
Acq: 15 Apr 2022 22:51

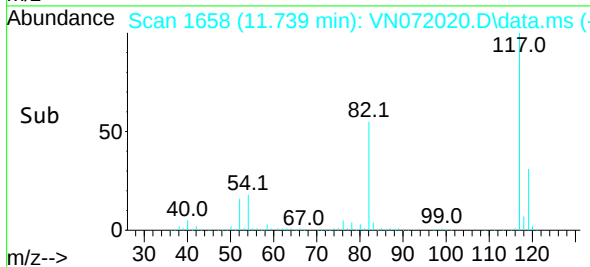
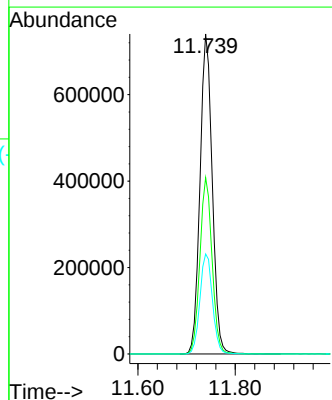
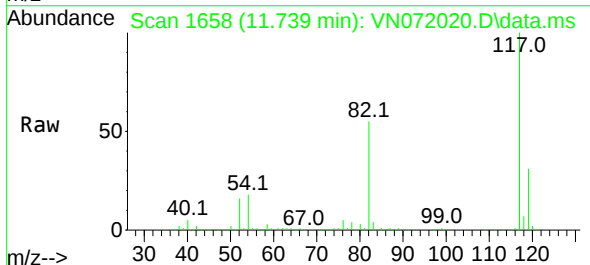
Instrument :
MSVOA_N
ClientSampleId :
PB144101ZHE#08

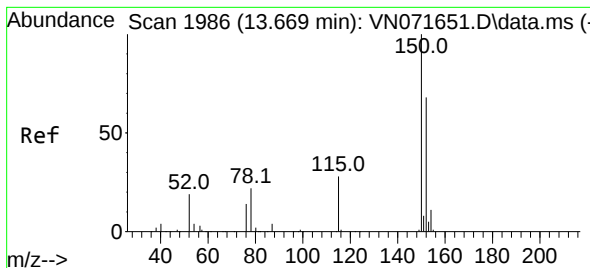
Tgt Ion: 95 Resp: 520121
Ion Ratio Lower Upper
95 100
174 86.4 0.0 167.6
176 82.8 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072020.D
Acq: 15 Apr 2022 22:51

Tgt Ion: 117 Resp: 1292267
Ion Ratio Lower Upper
117 100
82 55.1 44.2 66.2
119 31.2 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.668 min Scan# 1986

Delta R.T. -0.001 min

Lab File: VN072020.D

Acq: 15 Apr 2022 22:51

Instrument :

MSVOA_N

ClientSampleId :

PB144101ZHE#08

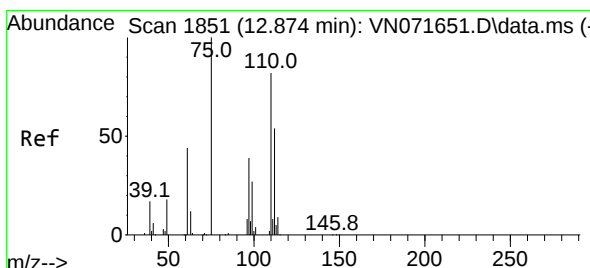
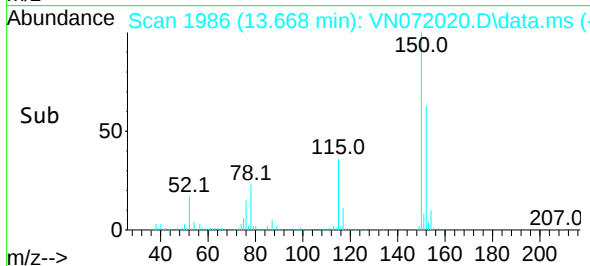
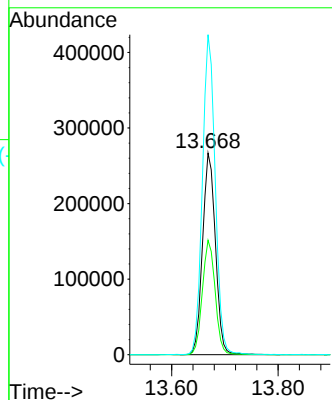
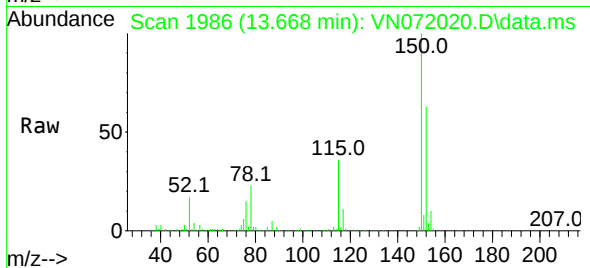
Tgt Ion:152 Resp: 448299

Ion Ratio Lower Upper

152 100

115 56.3 28.9 86.7

150 157.1 0.0 356.2



#76

1,2,3-Trichloropropane

Concen: 24.049 ug/l

RT: 12.727 min Scan# 1826

Delta R.T. -0.147 min

Lab File: VN072020.D

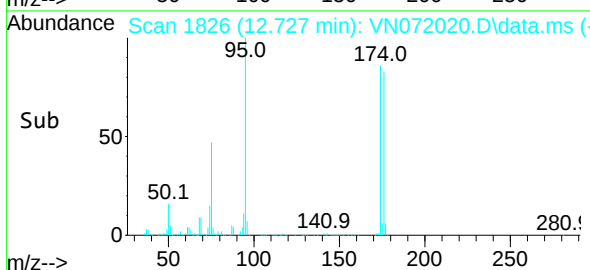
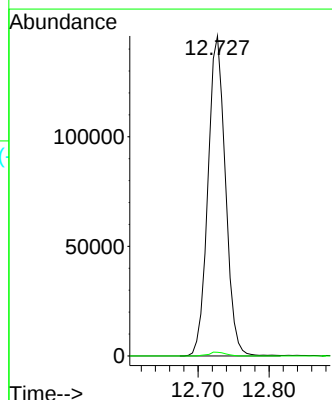
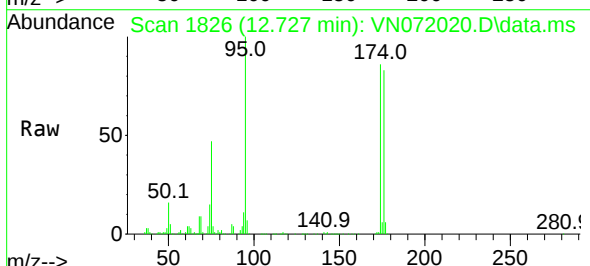
Acq: 15 Apr 2022 22:51

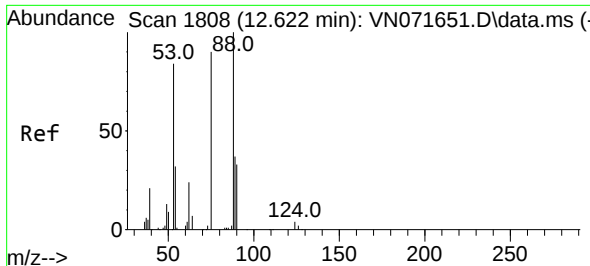
Tgt Ion: 75 Resp: 249749

Ion Ratio Lower Upper

75 100

77 1.1 98.5 295.5#

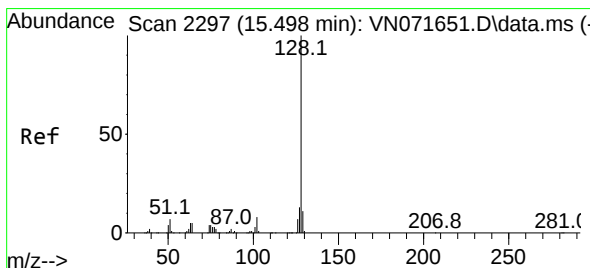
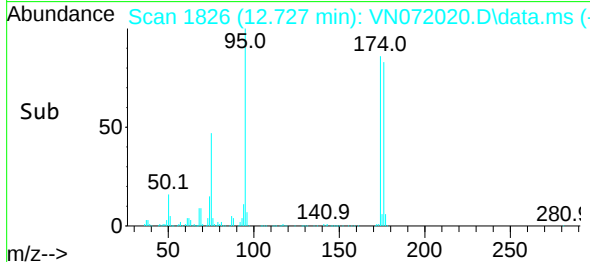
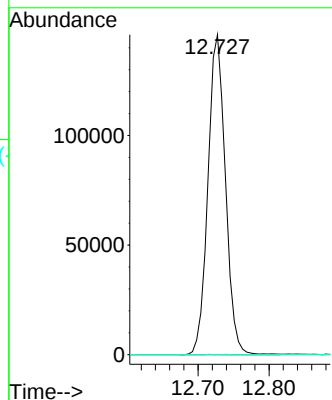
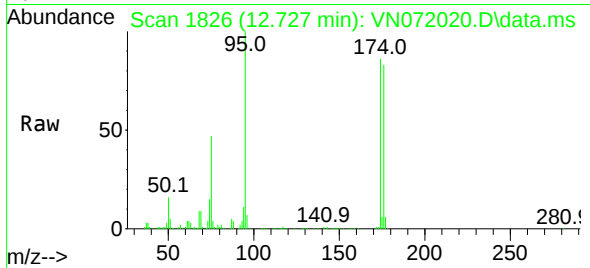




#81
trans-1,4-Dichloro-2-butene
Concen: 74.526 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.105 min
Lab File: VN072020.D
Acq: 15 Apr 2022 22:51

Instrument :
MSVOA_N
ClientSampleId :
PB144101ZHE#08

Tgt Ion: 75 Resp: 249749
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 3.812 ug/l
RT: 15.510 min Scan# 2299
Delta R.T. 0.012 min
Lab File: VN072020.D
Acq: 15 Apr 2022 22:51

Tgt Ion: 128 Resp: 212
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#

