

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041522\
 Data File : VN072021.D
 Acq On : 15 Apr 2022 23:15
 Operator : JC\MD
 Sample : PB144101ZHE#09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB144101ZHE#09

Quant Time: Apr 16 00:09:56 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)

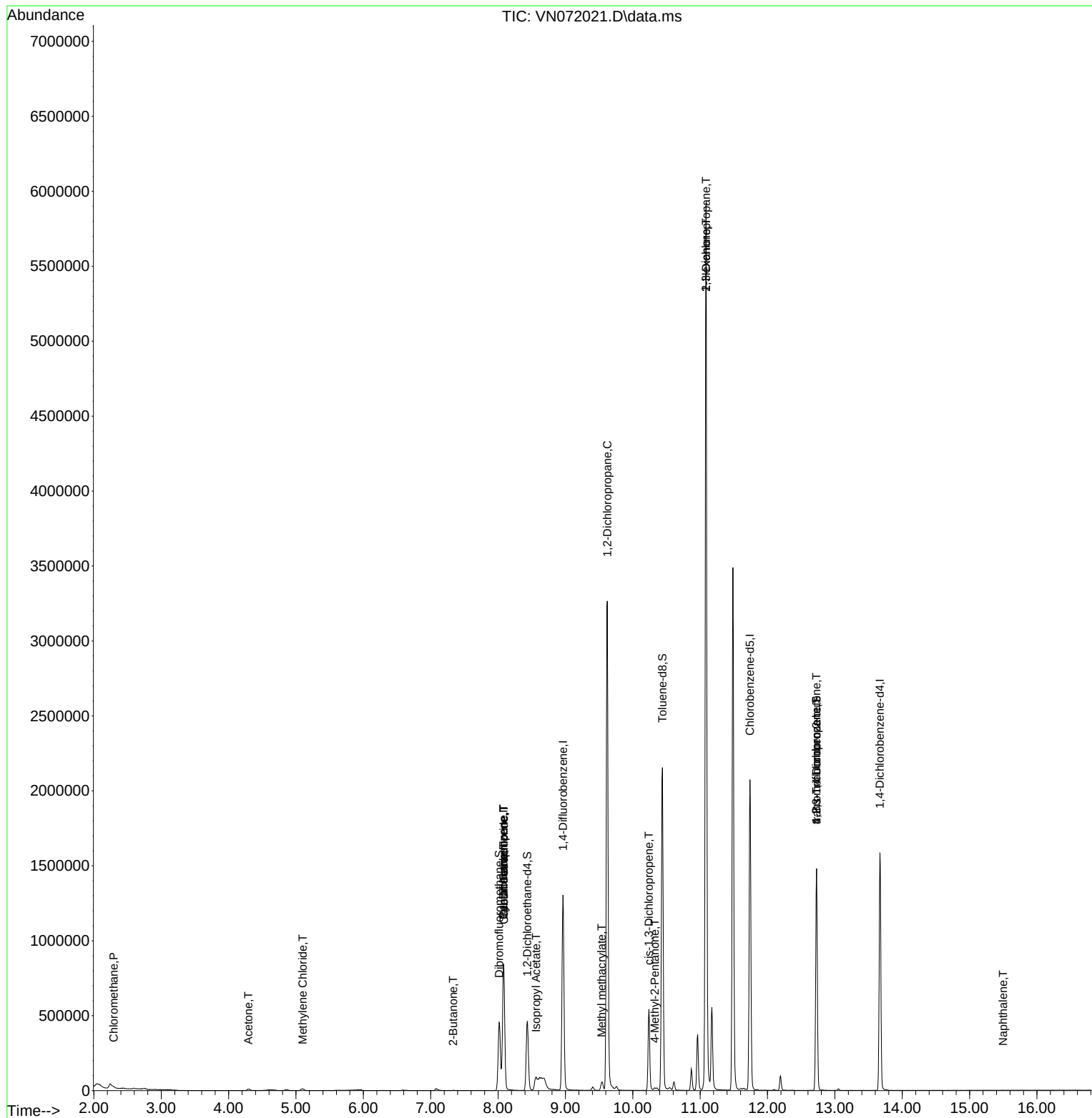
Internal Standards						
1) Pentafluorobenzene	8.081	168	710448	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1215080	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1304298	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	480069	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	384701	47.432	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	94.860%
35) Dibromofluoromethane	8.016	113	343347	48.020	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.040%
50) Toluene-d8	10.439	98	1576637	53.904	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	107.800%
62) 4-Bromofluorobenzene	12.727	95	527671	55.781	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	111.560%
Target Compounds						
					Qvalue	
3) Chloromethane	2.293	50	1447	0.202	ug/l	98
16) Acetone	4.293	43	15719	4.535	ug/l #	88
20) Methylene Chloride	5.099	84	10692	1.463	ug/l	91
25) 2-Butanone	7.334	43	3699	0.740	ug/l #	83
31) Cyclohexane	8.081	56	11489	1.042	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	46731	4.680	ug/l #	49
38) Carbon Tetrachloride	8.087	117	64338	6.575	ug/l #	16
43) Isopropyl Acetate	8.563	43	110361	6.071	ug/l #	76
45) 1,2-Dichloropropane	9.622	63	5004	0.635	ug/l #	44
48) Methyl methacrylate	9.539	41	13785	1.828	ug/l #	10
49) 1,4-Dioxane	9.622	88	511	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.328	43	8604	0.823	ug/l	97
54) cis-1,3-Dichloropropene	10.239	75	111720	9.161	ug/l #	57
57) 1,3-Dichloropropane	11.086	76	66802	4.869	ug/l #	43
59) 2-Hexanone	11.086	43	797049	108.322	ug/l #	49
76) 1,2,3-Trichloropropane	12.727	75	251198	22.587	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	251198	69.997	ug/l #	10
95) Naphthalene	15.498	128	331	3.817	ug/l #	69

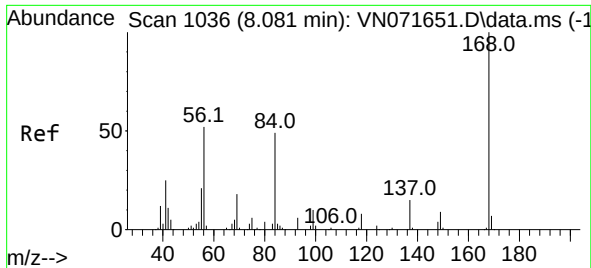
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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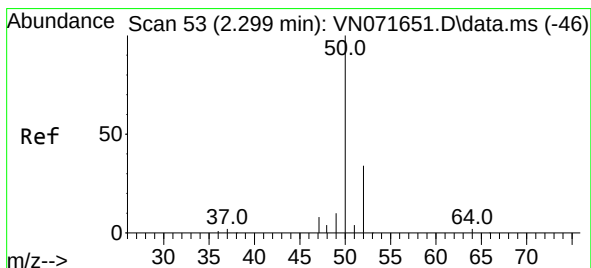
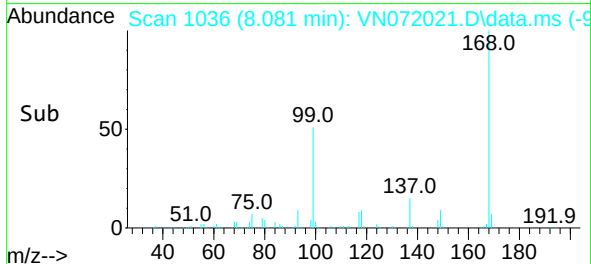
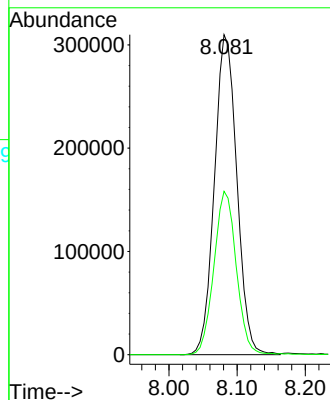
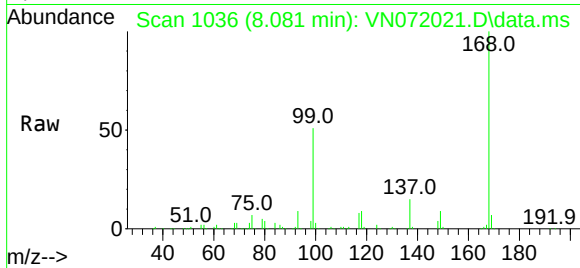




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN072021.D
Acq: 15 Apr 2022 23:15

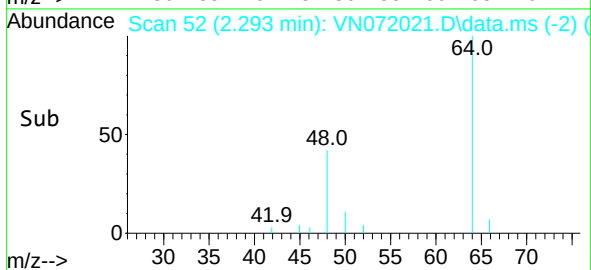
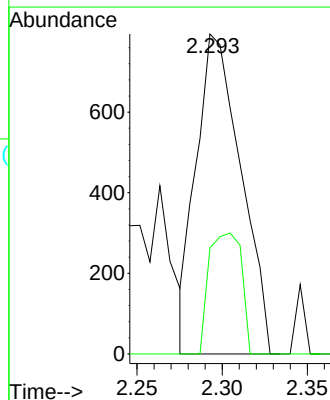
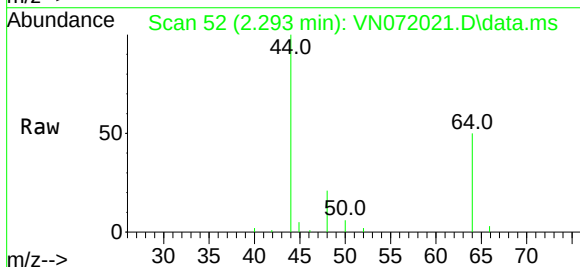
Instrument :
MSVOA_N
ClientSampleId :
PB144101ZHE#09

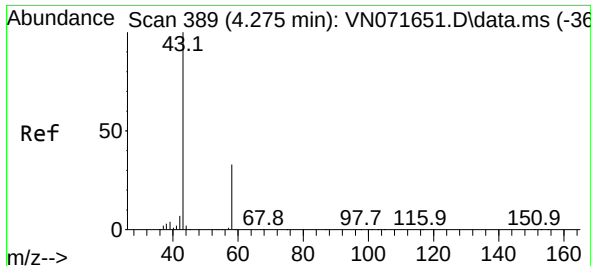
Tgt Ion:168 Resp: 710448
Ion Ratio Lower Upper
168 100
99 51.1 42.3 63.5



#3
Chloromethane
Concen: 0.202 ug/l
RT: 2.293 min Scan# 52
Delta R.T. -0.006 min
Lab File: VN072021.D
Acq: 15 Apr 2022 23:15

Tgt Ion: 50 Resp: 1447
Ion Ratio Lower Upper
50 100
52 33.1 25.7 38.5

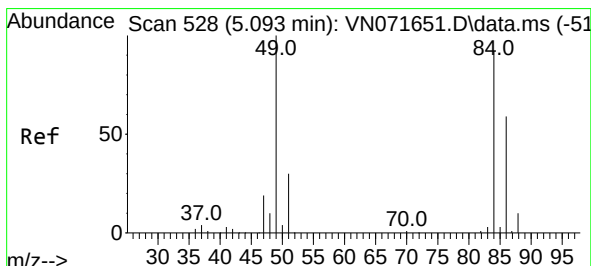
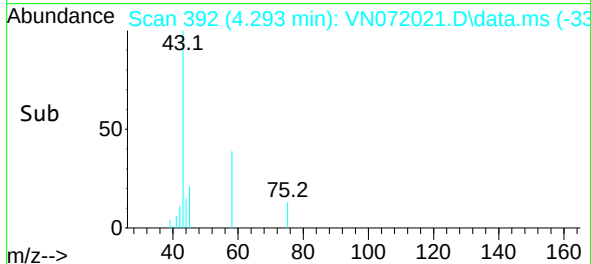
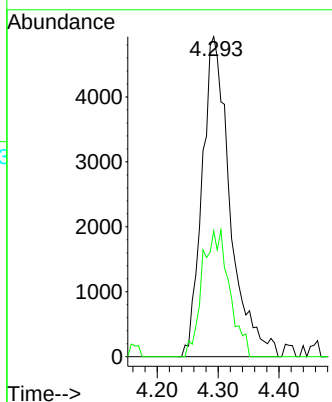
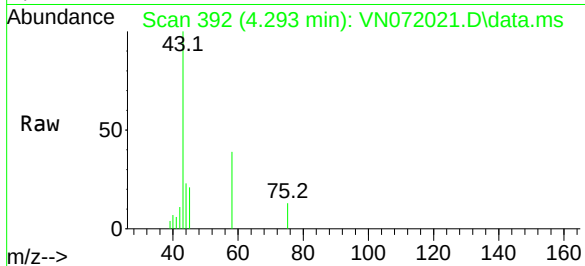




#16
Acetone
Concen: 4.535 ug/l
RT: 4.293 min Scan# 392
Delta R.T. 0.018 min
Lab File: VN072021.D
Acq: 15 Apr 2022 23:15

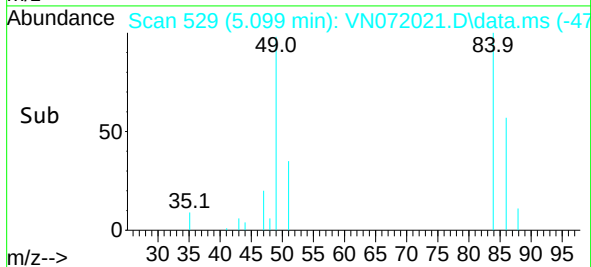
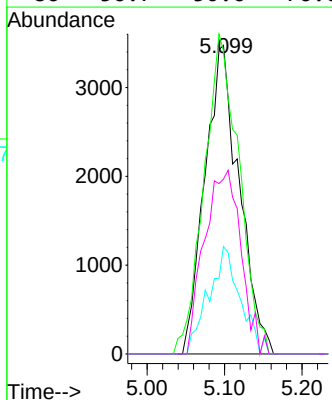
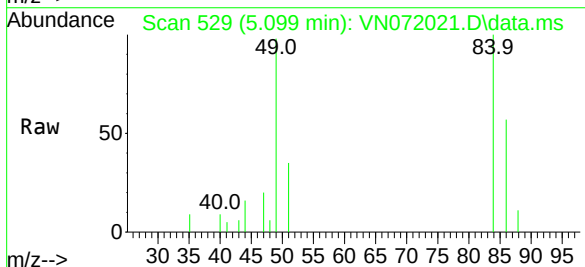
Instrument :
MSVOA_N
ClientSampleId :
PB144101ZHE#09

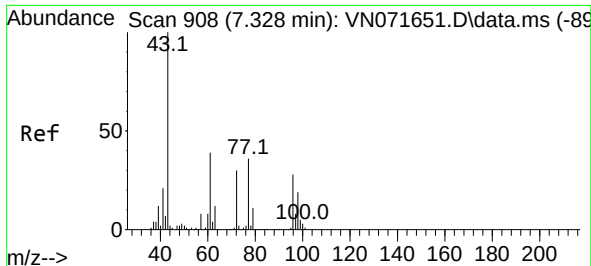
Tgt Ion: 43 Resp: 15719
Ion Ratio Lower Upper
43 100
58 39.2 26.0 39.0#



#20
Methylene Chloride
Concen: 1.463 ug/l
RT: 5.099 min Scan# 529
Delta R.T. 0.006 min
Lab File: VN072021.D
Acq: 15 Apr 2022 23:15

Tgt Ion: 84 Resp: 10692
Ion Ratio Lower Upper
84 100
49 98.2 88.3 132.5
51 34.8 28.2 42.2
86 56.7 50.6 76.0

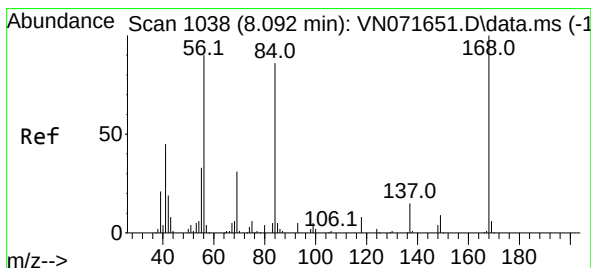
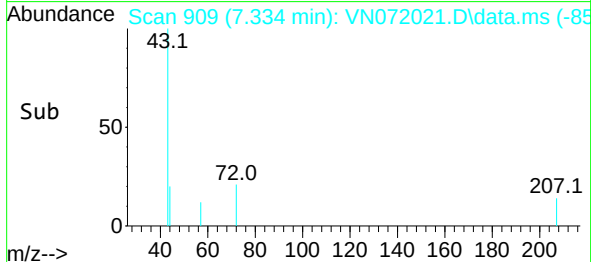
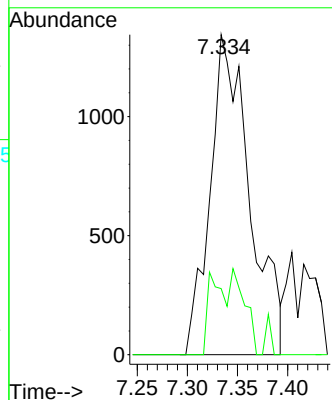
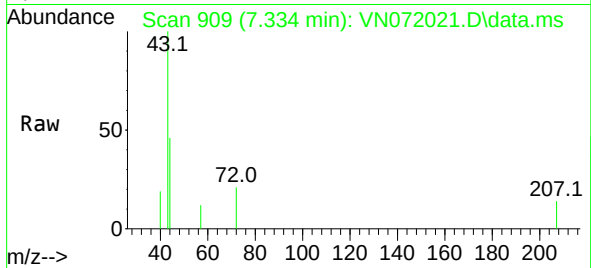




#25
2-Butanone
Concen: 0.740 ug/l
RT: 7.334 min Scan# 908
Delta R.T. 0.006 min
Lab File: VN072021.D
Acq: 15 Apr 2022 23:15

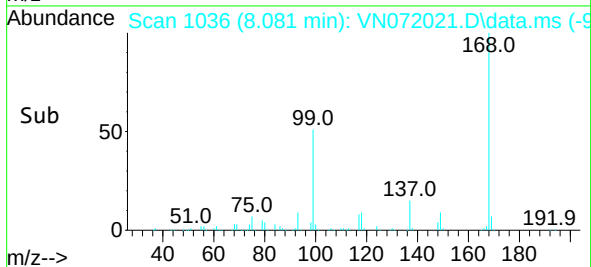
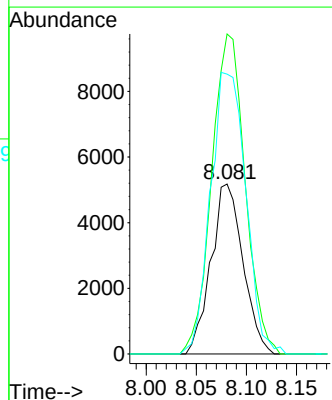
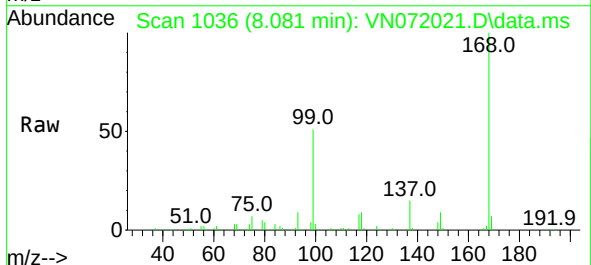
Instrument :
MSVOA_N
ClientSampleId :
PB144101ZHE#09

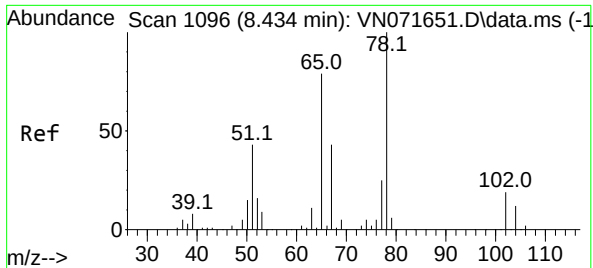
Tgt Ion: 43 Resp: 3699
Ion Ratio Lower Upper
43 100
72 20.7 23.7 35.5#



#31
Cyclohexane
Concen: 1.042 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.011 min
Lab File: VN072021.D
Acq: 15 Apr 2022 23:15

Tgt Ion: 56 Resp: 11489
Ion Ratio Lower Upper
56 100
69 188.4 27.8 41.8#
84 164.7 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 47.432 ug/l

RT: 8.434 min Scan# 1109

Delta R.T. -0.000 min

Lab File: VN072021.D

Acq: 15 Apr 2022 23:15

Instrument :

MSVOA_N

ClientSampleId :

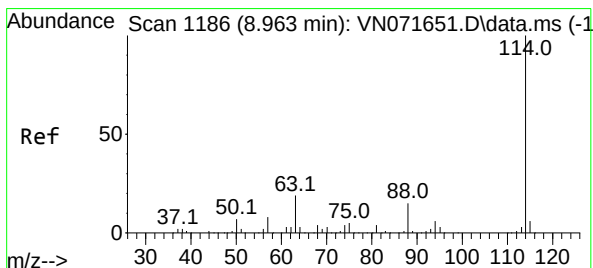
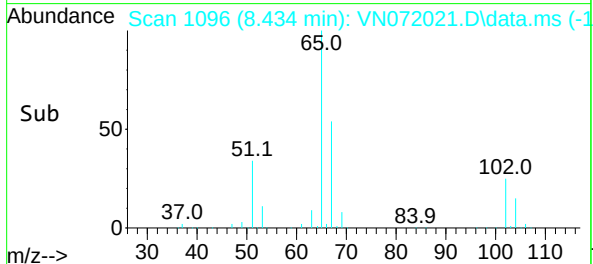
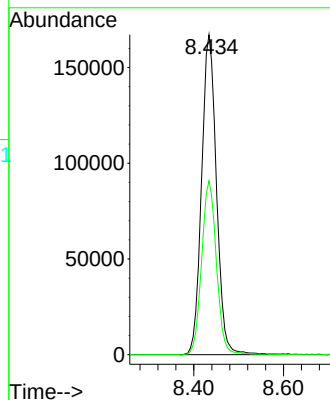
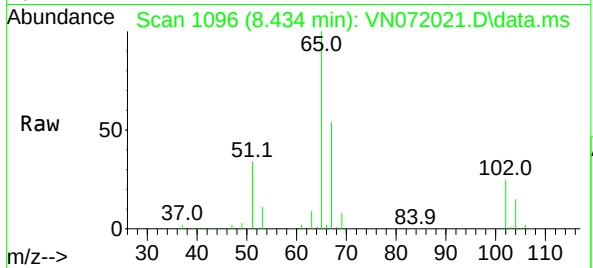
PB144101ZHE#09

Tgt Ion: 65 Resp: 384701

Ion Ratio Lower Upper

65 100

67 53.8 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: VN072021.D

Acq: 15 Apr 2022 23:15

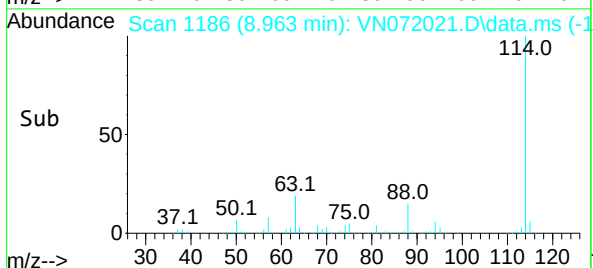
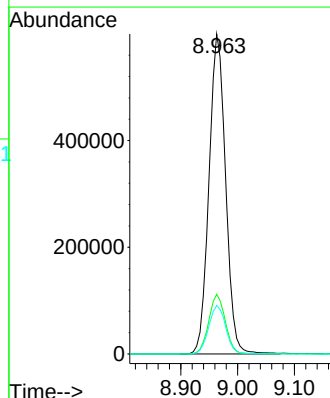
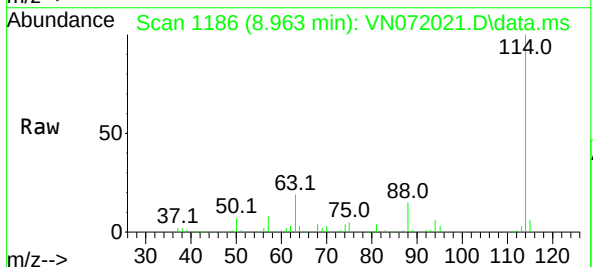
Tgt Ion: 114 Resp: 1215080

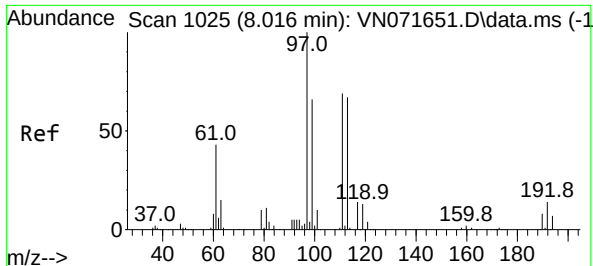
Ion Ratio Lower Upper

114 100

63 18.7 0.0 40.0

88 15.1 0.0 32.6





#35

Dibromofluoromethane

Concen: 48.020 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. 0.000 min

Lab File: VN072021.D

Acq: 15 Apr 2022 23:15

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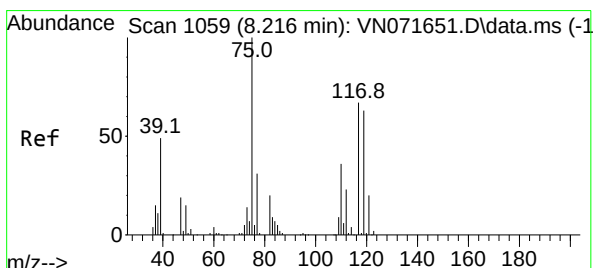
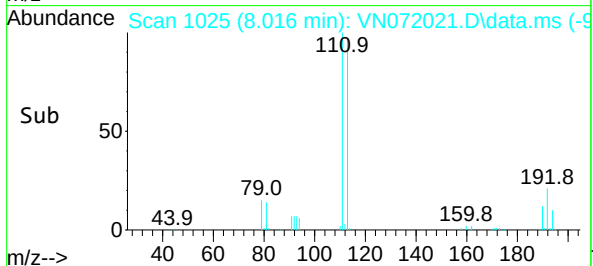
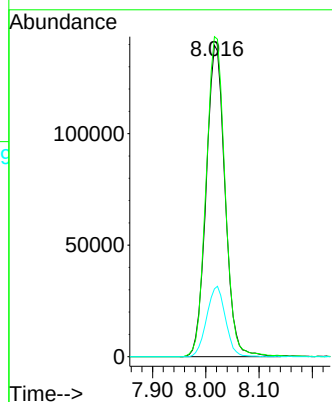
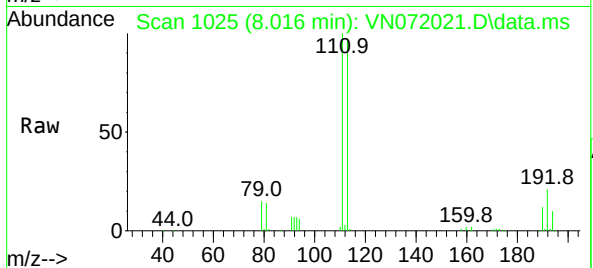
Tgt Ion:113 Resp: 343347

Ion Ratio Lower Upper

113 100

111 102.9 81.4 122.0

192 22.5 17.0 25.6



#36

1,1-Dichloropropene

Concen: 4.680 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.135 min

Lab File: VN072021.D

Acq: 15 Apr 2022 23:15

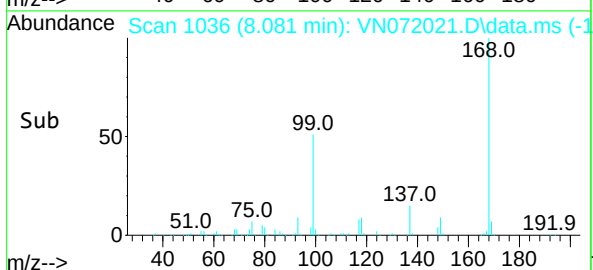
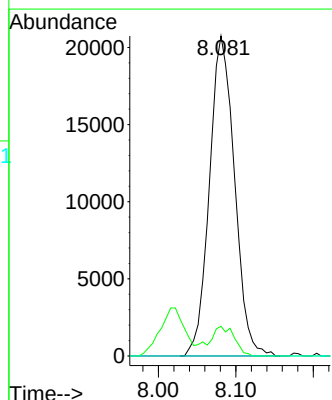
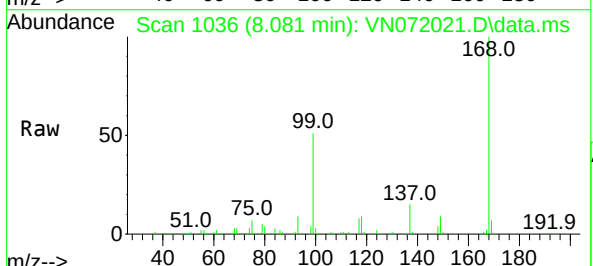
Tgt Ion: 75 Resp: 46731

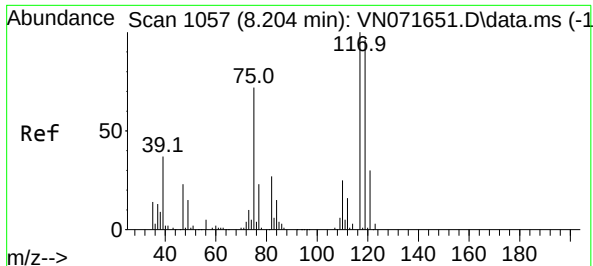
Ion Ratio Lower Upper

75 100

110 9.0 18.3 54.8#

77 0.0 25.1 37.7#

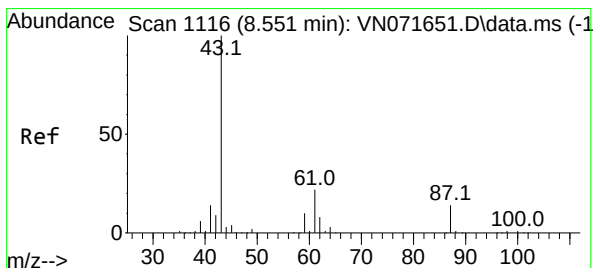
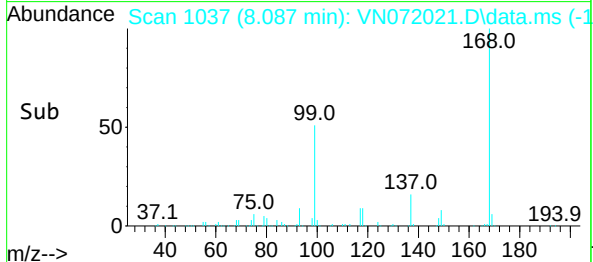
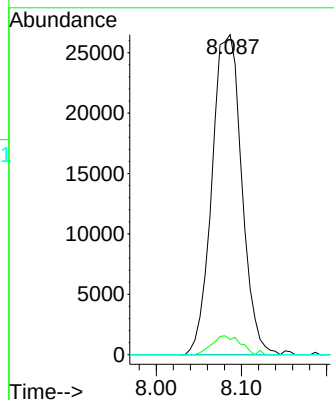
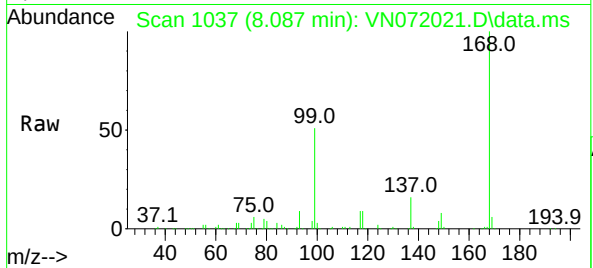




#38
Carbon Tetrachloride
Concen: 6.575 ug/l
RT: 8.087 min Scan# 1107
Delta R.T. -0.117 min
Lab File: VN072021.D
Acq: 15 Apr 2022 23:15

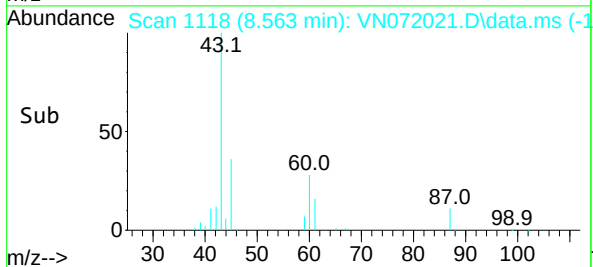
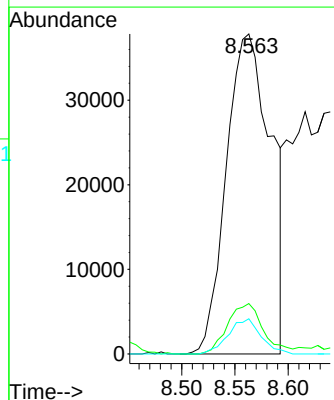
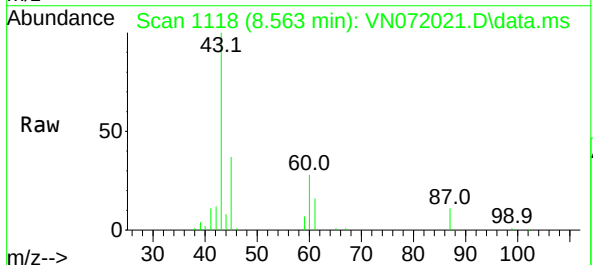
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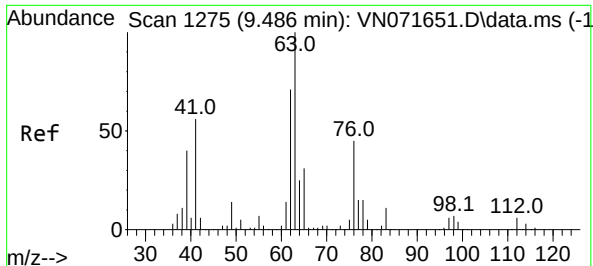
Tgt Ion:117 Resp: 64338
Ion Ratio Lower Upper
117 100
119 4.8 75.8 113.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 6.071 ug/l
RT: 8.563 min Scan# 1118
Delta R.T. 0.012 min
Lab File: VN072021.D
Acq: 15 Apr 2022 23:15

Tgt Ion: 43 Resp: 110361
Ion Ratio Lower Upper
43 100
61 12.6 21.9 32.9#
87 8.0 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.635 ug/l

RT: 9.622 min Scan# 1298

Delta R.T. 0.136 min

Lab File: VN072021.D

Acq: 15 Apr 2022 23:15

Instrument :

MSVOA_N

ClientSampleId :

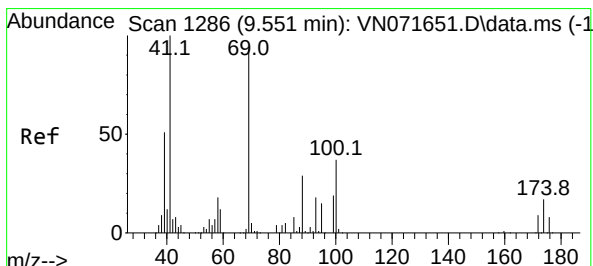
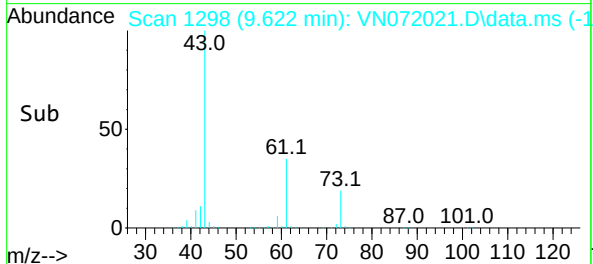
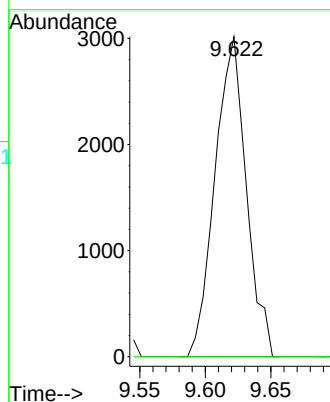
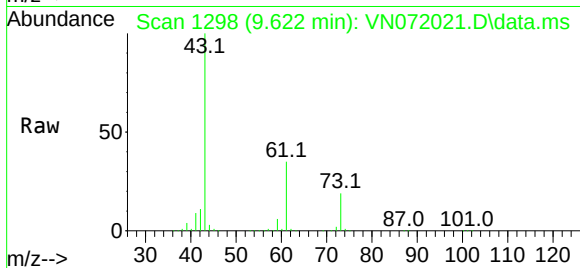
PB144101ZHE#09

Tgt Ion: 63 Resp: 5004

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#



#48

Methyl methacrylate

Concen: 1.828 ug/l

RT: 9.539 min Scan# 1284

Delta R.T. -0.012 min

Lab File: VN072021.D

Acq: 15 Apr 2022 23:15

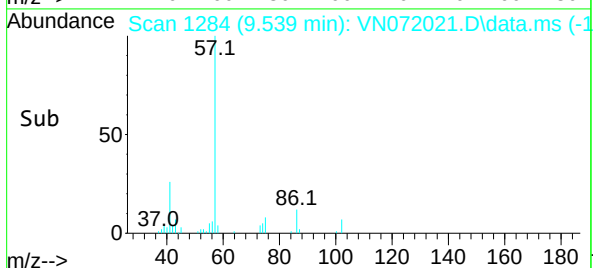
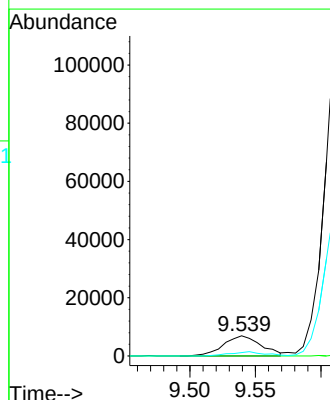
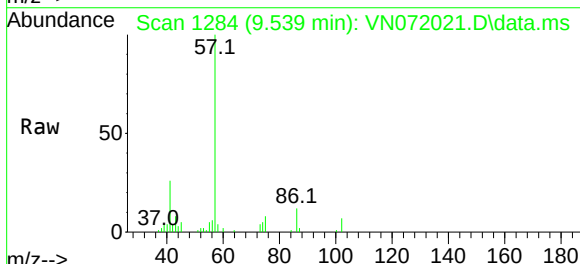
Tgt Ion: 41 Resp: 13785

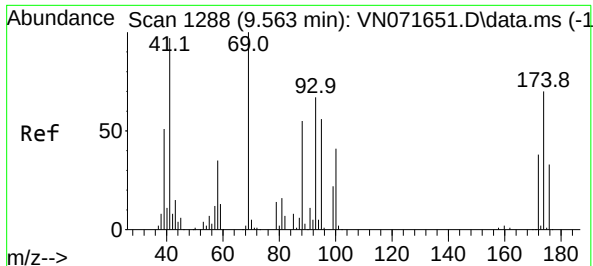
Ion Ratio Lower Upper

41 100

69 0.0 74.7 112.1#

39 0.0 45.6 68.4#





#49

1,4-Dioxane

Concen: Below Cal

RT: 9.622 min Scan# 1298

Delta R.T. 0.059 min

Lab File: VN072021.D

Acq: 15 Apr 2022 23:15

Instrument :

MSVOA_N

ClientSampleId :

PB144101ZHE#09

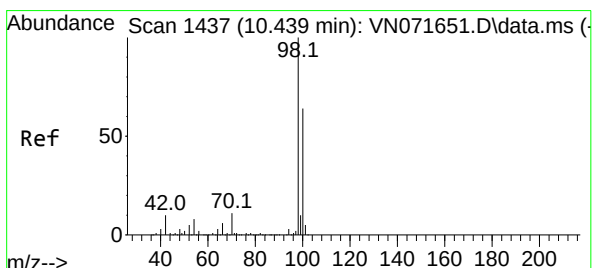
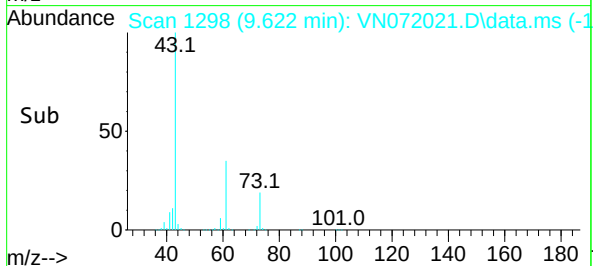
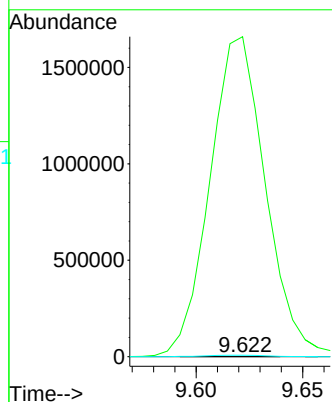
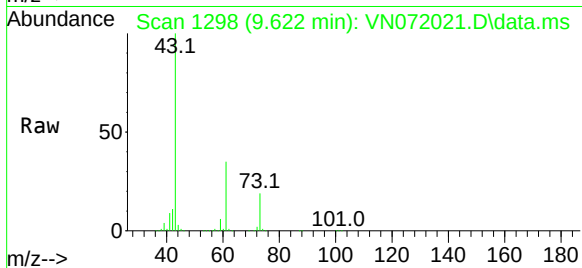
Tgt Ion: 88 Resp: 511

Ion Ratio Lower Upper

88 100

43 600381.4 20.2 30.4#

58 3133.3 54.2 81.4#



#50

Toluene-d8

Concen: 53.904 ug/l

RT: 10.439 min Scan# 1437

Delta R.T. 0.000 min

Lab File: VN072021.D

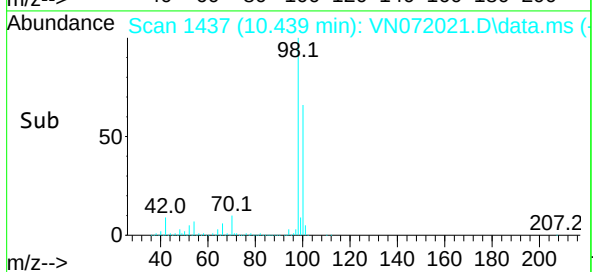
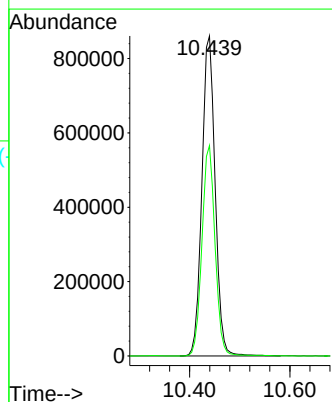
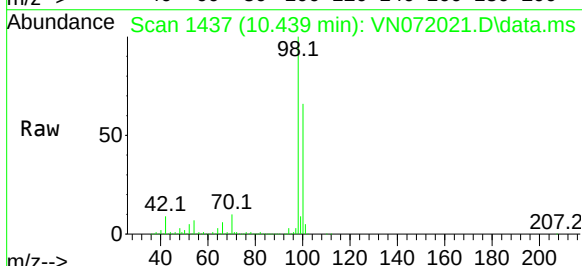
Acq: 15 Apr 2022 23:15

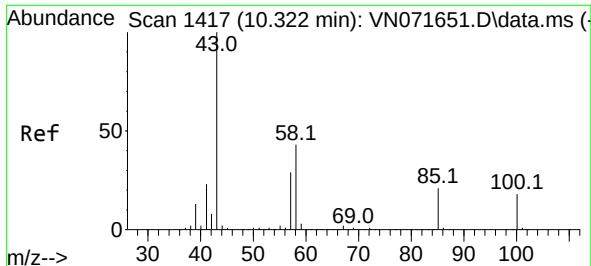
Tgt Ion: 98 Resp: 1576637

Ion Ratio Lower Upper

98 100

100 65.3 52.6 78.8

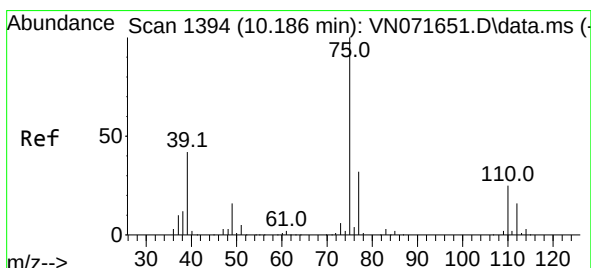
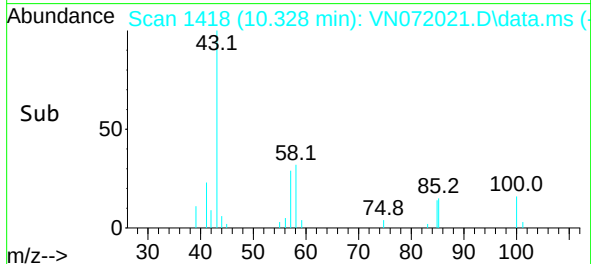
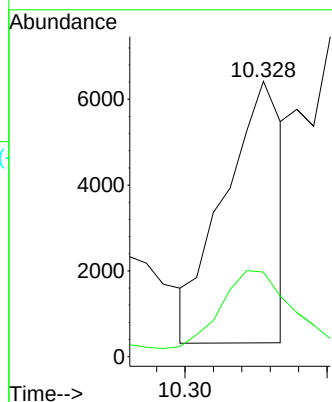
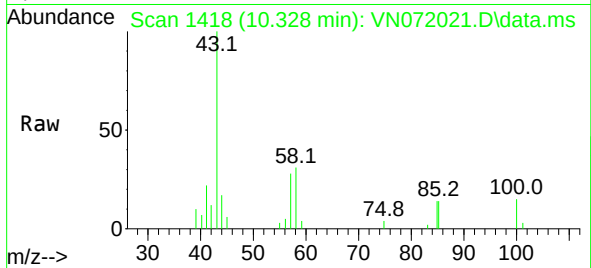




#51
4-Methyl-2-Pentanone
Concen: 0.823 ug/l
RT: 10.328 min Scan# 1417
Delta R.T. 0.006 min
Lab File: VN072021.D
Acq: 15 Apr 2022 23:15

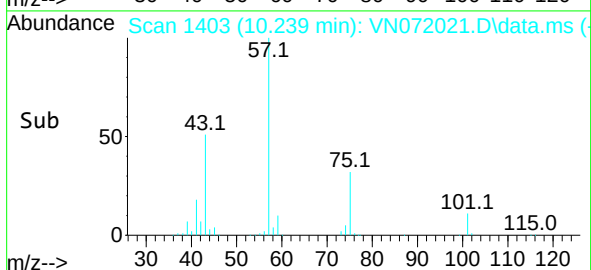
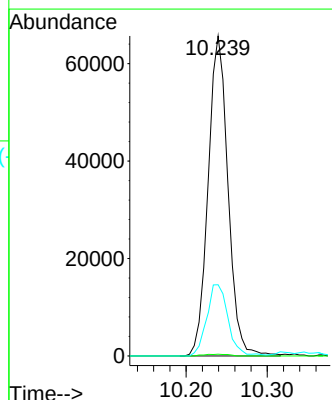
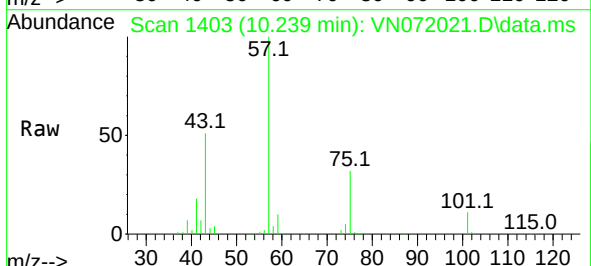
Instrument :
MSVOA_N
ClientSampleId :
PB144101ZHE#09

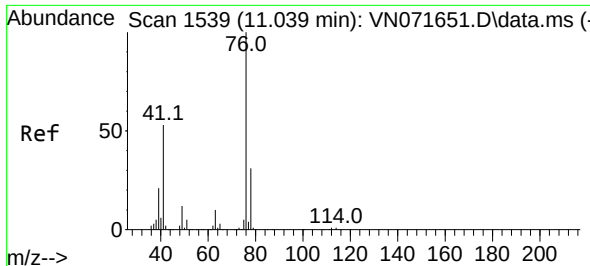
Tgt Ion: 43 Resp: 8604
Ion Ratio Lower Upper
43 100
58 44.8 34.1 51.1



#54
cis-1,3-Dichloropropene
Concen: 9.161 ug/l
RT: 10.239 min Scan# 1403
Delta R.T. 0.053 min
Lab File: VN072021.D
Acq: 15 Apr 2022 23:15

Tgt Ion: 75 Resp: 111720
Ion Ratio Lower Upper
75 100
77 0.5 25.2 37.8#
39 22.2 35.7 53.5#





#57

1,3-Dichloropropane

Concen: 4.869 ug/l

RT: 11.086 min Scan# 11

Delta R.T. 0.047 min

Lab File: VN072021.D

Acq: 15 Apr 2022 23:15

Instrument :

MSVOA_N

ClientSampleId :

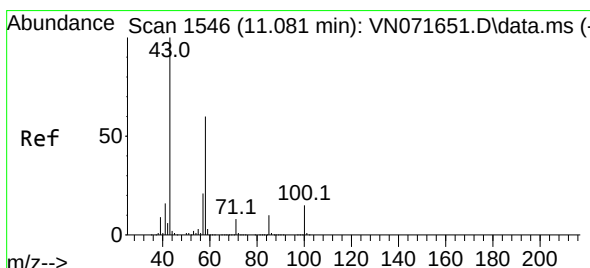
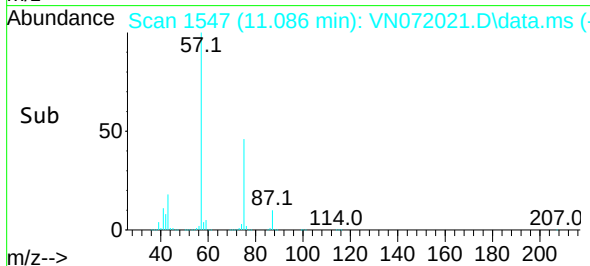
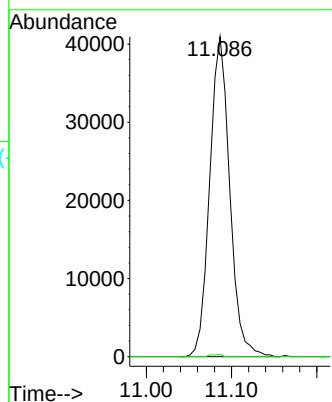
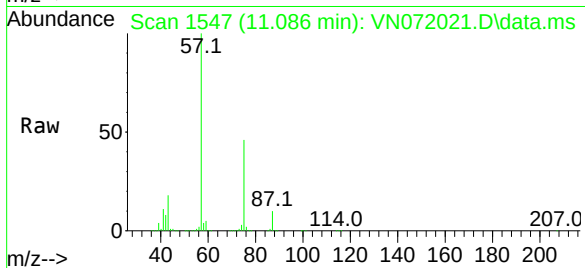
PB144101ZHE#09

Tgt Ion: 76 Resp: 66802

Ion Ratio Lower Upper

76 100

78 0.4 26.2 39.2#



#59

2-Hexanone

Concen: 108.322 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.005 min

Lab File: VN072021.D

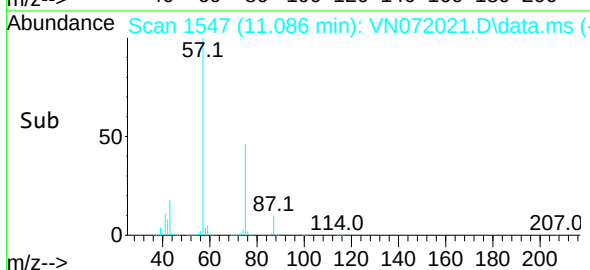
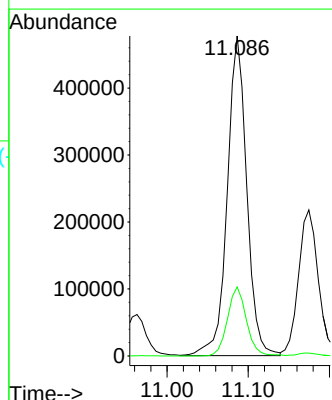
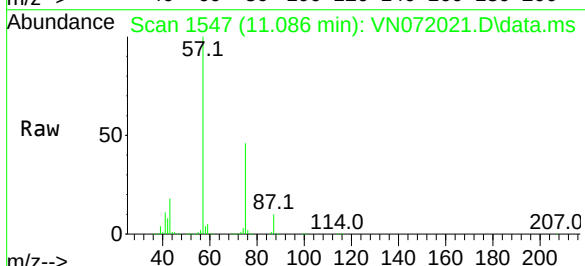
Acq: 15 Apr 2022 23:15

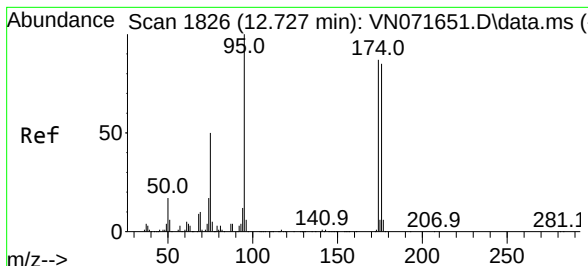
Tgt Ion: 43 Resp: 797049

Ion Ratio Lower Upper

43 100

58 21.0 29.7 89.1#

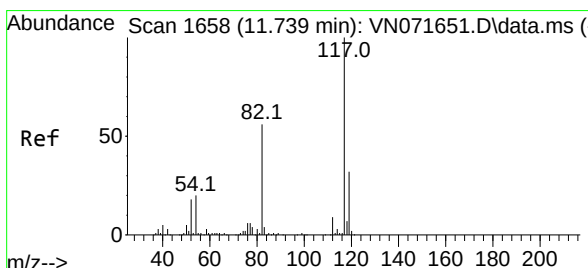
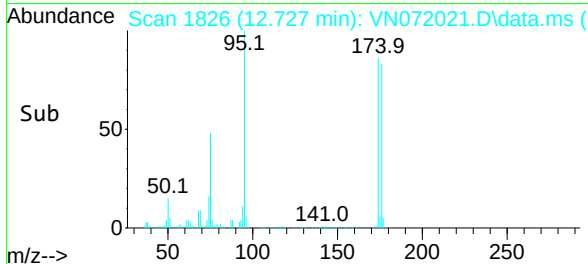
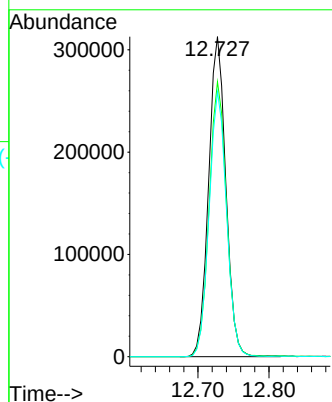
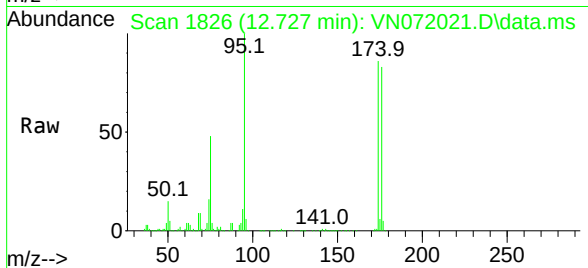




#62
4-Bromofluorobenzene
Concen: 55.781 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072021.D
Acq: 15 Apr 2022 23:15

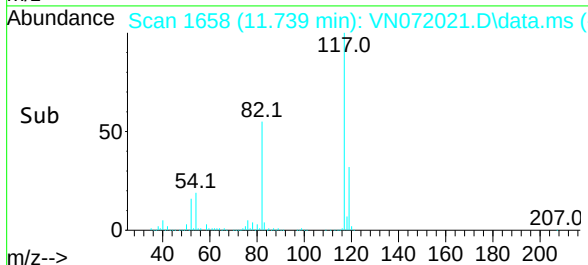
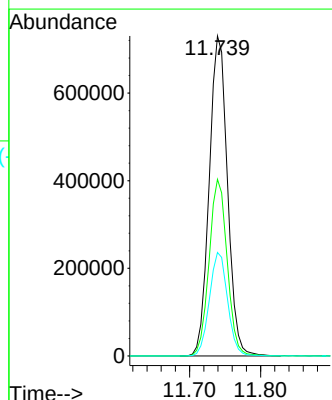
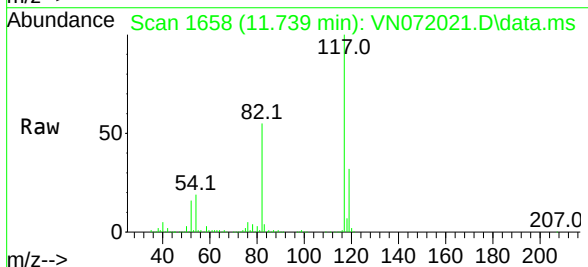
Instrument :
MSVOA_N
ClientSampleId :
PB144101ZHE#09

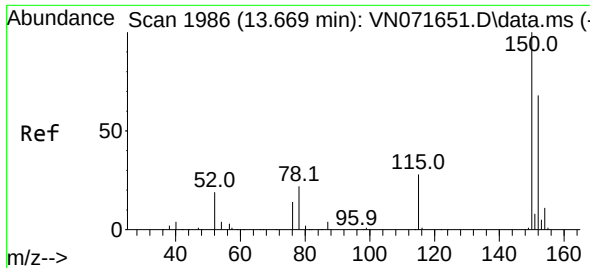
Tgt Ion: 95 Resp: 527671
Ion Ratio Lower Upper
95 100
174 86.5 0.0 167.6
176 83.5 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072021.D
Acq: 15 Apr 2022 23:15

Tgt Ion: 117 Resp: 1304298
Ion Ratio Lower Upper
117 100
82 55.2 44.2 66.2
119 32.3 25.4 38.0

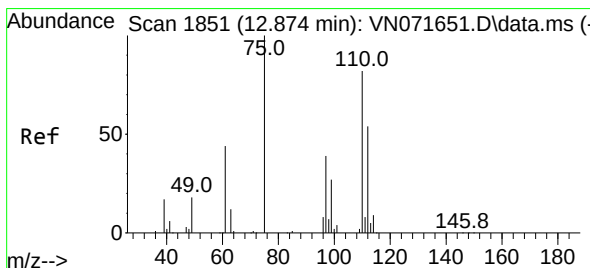
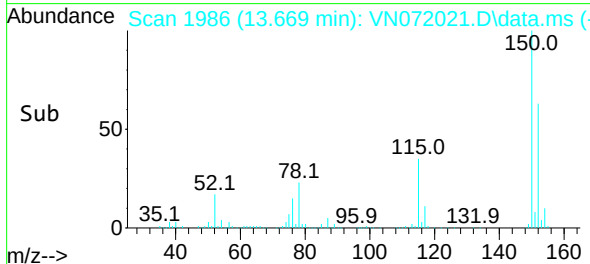
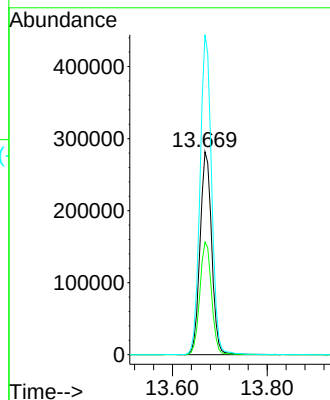
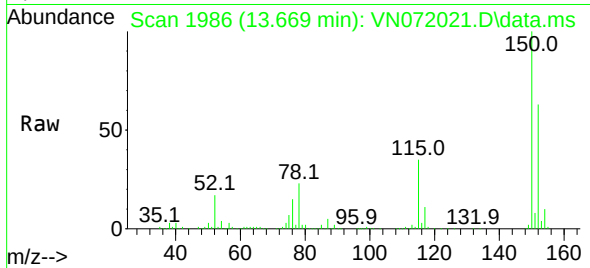




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.669 min Scan# 1986
 Delta R.T. -0.000 min
 Lab File: VN072021.D
 Acq: 15 Apr 2022 23:15

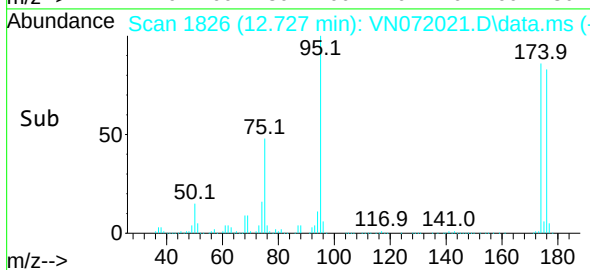
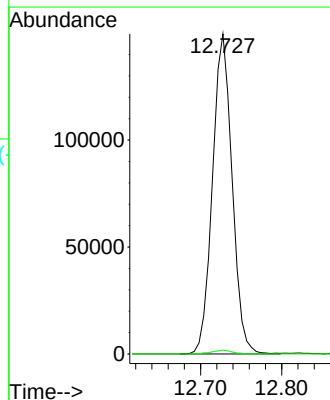
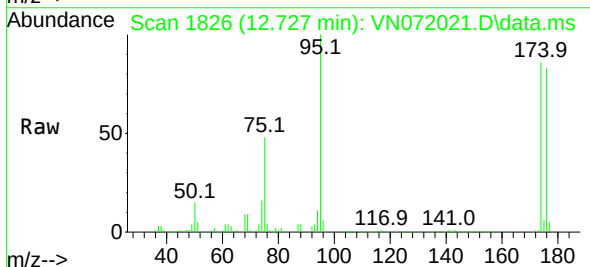
Instrument :
 MSVOA_N
 ClientSampleId :
 PB144101ZHE#09

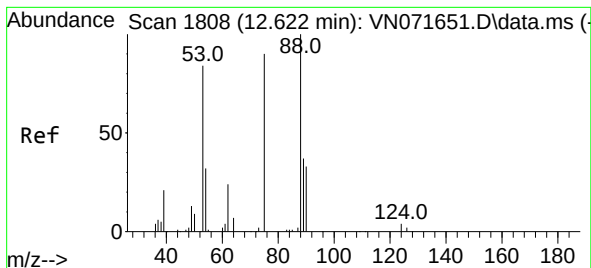
Tgt Ion:152 Resp: 480069
 Ion Ratio Lower Upper
 152 100
 115 56.0 28.9 86.7
 150 156.7 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 22.587 ug/l
 RT: 12.727 min Scan# 1826
 Delta R.T. -0.147 min
 Lab File: VN072021.D
 Acq: 15 Apr 2022 23:15

Tgt Ion: 75 Resp: 251198
 Ion Ratio Lower Upper
 75 100
 77 1.3 98.5 295.5#

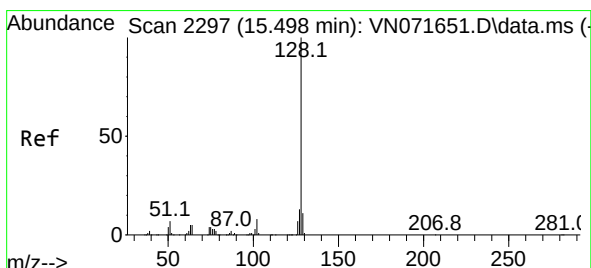
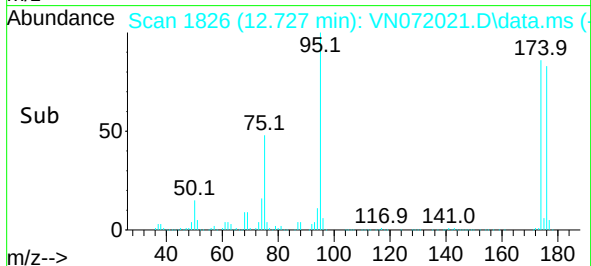
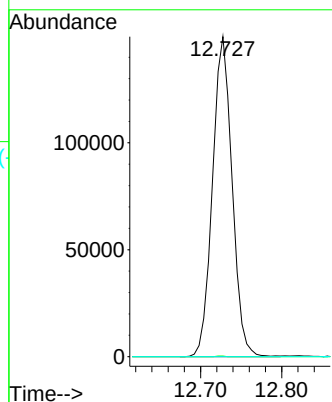
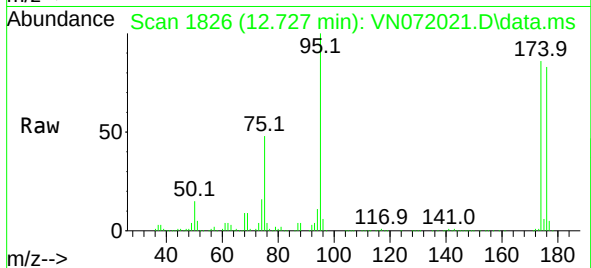




#81
trans-1,4-Dichloro-2-butene
Concen: 69.997 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.105 min
Lab File: VN072021.D
Acq: 15 Apr 2022 23:15

Instrument :
MSVOA_N
ClientSampleId :
PB144101ZHE#09

Tgt Ion: 75 Resp: 251198
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 3.817 ug/l
RT: 15.498 min Scan# 2297
Delta R.T. -0.000 min
Lab File: VN072021.D
Acq: 15 Apr 2022 23:15

Tgt Ion: 128 Resp: 331
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#

