

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061322\
 Data File : VN072813.D
 Acq On : 13 Jun 2022 22:57
 Operator : JC\MD
 Sample : PB145459ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB145459ZHE#04

Quant Time: Jun 14 05:23:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061322W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 13 17:28:28 2022
 Response via : Initial Calibration

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

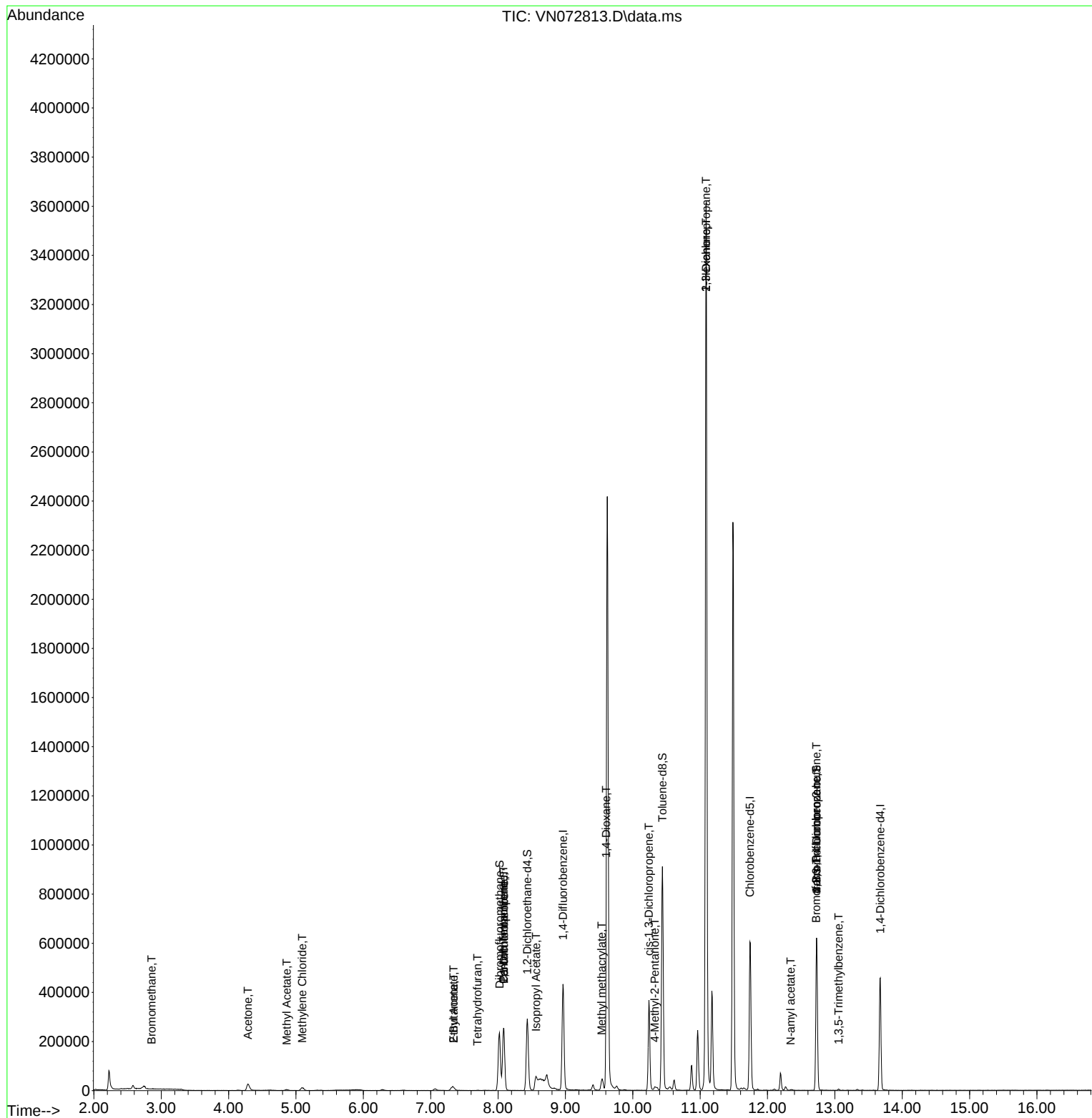
Internal Standards						
1) Pentafluorobenzene	8.086	168	162308	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	336539	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	309907	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	105513	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	242118	53.278	ug/l	0.00
Spiked Amount 50.000	Range 61	- 141	Recovery	=	106.560%	
35) Dibromofluoromethane	8.022	113	167175	49.878	ug/l	0.00
Spiked Amount 50.000	Range 69	- 133	Recovery	=	99.760%	
50) Toluene-d8	10.439	98	589773	43.815	ug/l	0.00
Spiked Amount 50.000	Range 65	- 126	Recovery	=	87.640%	
62) 4-Bromofluorobenzene	12.727	95	205909	43.288	ug/l	0.00
Spiked Amount 50.000	Range 58	- 135	Recovery	=	86.580%	
Target Compounds						
						Qvalue
3) Chloromethane	2.298	50	554	Below Cal		90
5) Bromomethane	2.857	94	343	0.293 ug/l	#	2
6) Chloroethane	2.998	64	573	Below Cal	#	42
13) Acrolein	4.040	56	56	Below Cal	#	16
16) Acetone	4.287	43	51514	24.962 ug/l	#	88
17) Carbon Disulfide	4.516	76	78	Below Cal	#	75
18) Methyl Acetate	4.863	43	8597	1.585 ug/l	#	62
20) Methylene Chloride	5.092	84	8925	1.806 ug/l	#	84
25) 2-Butanone	7.339	43	19537	6.036 ug/l		99
29) Tetrahydrofuran	7.692	42	994	0.496 ug/l	#	52
31) Cyclohexane	8.086	56	5555	Below Cal	#	34
36) 1,1-Dichloropropene	8.086	75	18078	3.871 ug/l	#	47
37) Ethyl Acetate	7.339	43	19537	2.738 ug/l	#	67
38) Carbon Tetrachloride	8.080	117	21219	4.335 ug/l	#	18
43) Isopropyl Acetate	8.563	43	75652	6.849 ug/l	#	73
48) Methyl methacrylate	9.539	41	14373	2.804 ug/l	#	10
49) 1,4-Dioxane	9.604	88	73	0.834 ug/l	#	25
51) 4-Methyl-2-Pentanone	10.327	43	8652	1.181 ug/l		95
54) cis-1,3-Dichloropropene	10.239	75	59008	9.655 ug/l	#	74
57) 1,3-Dichloropropane	11.086	76	36955	5.530 ug/l	#	42
59) 2-Hexanone	11.086	43	593526	109.357 ug/l	#	44
71) Bromoform	12.721	173	1232	0.544 ug/l	#	1
74) N-amyl acetate	12.345	43	3025	0.587 ug/l	#	41
76) 1,2,3-Trichloropropane	12.727	75	124992	34.515 ug/l	#	1
80) 1,3,5-Trimethylbenzene	13.057	105	2080	0.239 ug/l		99
81) trans-1,4-Dichloro-2-b...	12.727	75	124992	105.198 ug/l	#	10

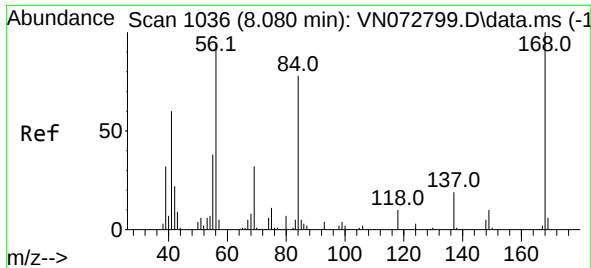
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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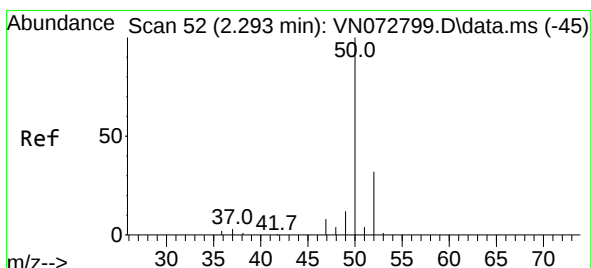
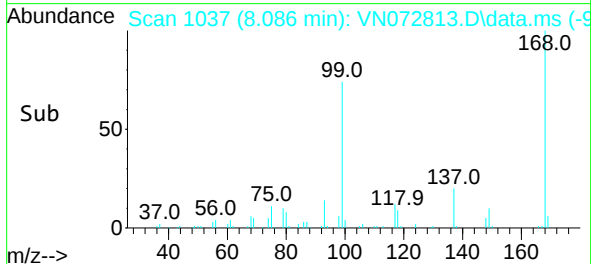
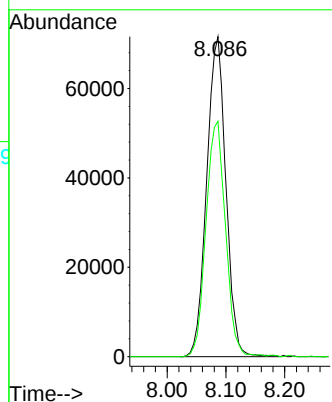
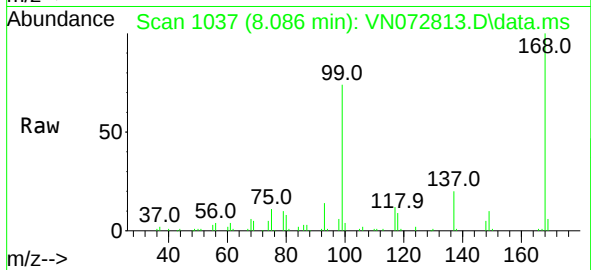




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN072813.D
Acq: 13 Jun 2022 22:57

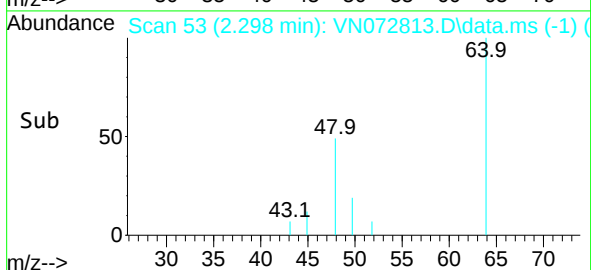
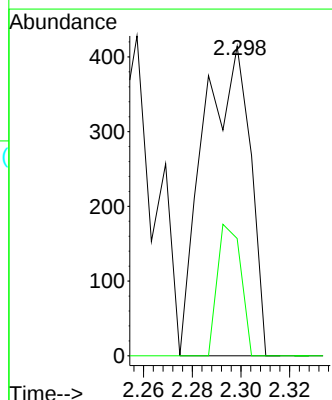
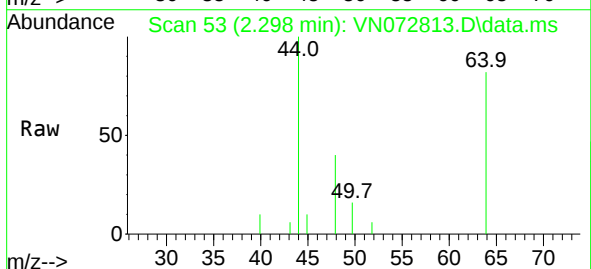
Instrument :
MSVOA_N
ClientSampleId :
PB145459ZHE#04

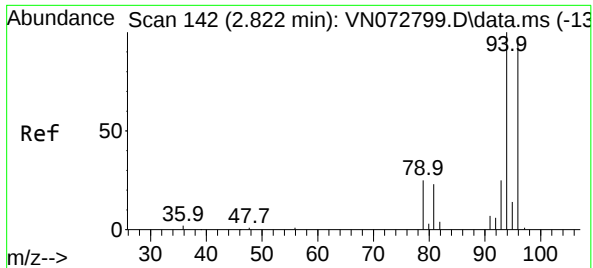
Tgt Ion:168 Resp: 162308
Ion Ratio Lower Upper
168 100
99 73.6 42.3 63.5#



#3
Chloromethane
Concen: Below Cal
RT: 2.298 min Scan# 53
Delta R.T. 0.005 min
Lab File: VN072813.D
Acq: 13 Jun 2022 22:57

Tgt Ion: 50 Resp: 554
Ion Ratio Lower Upper
50 100
52 37.9 25.7 38.5

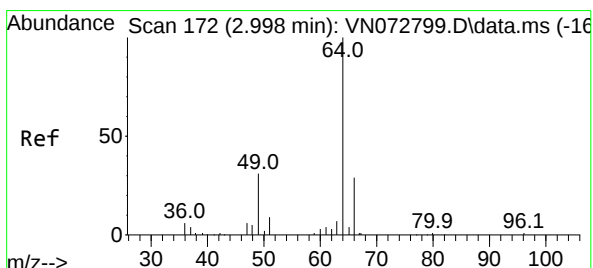
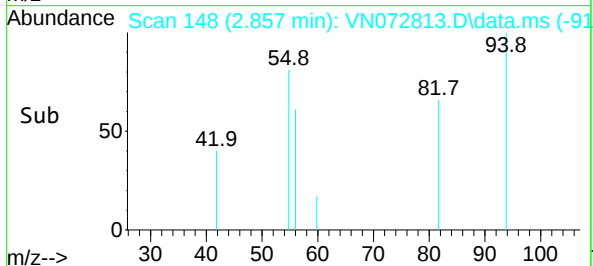
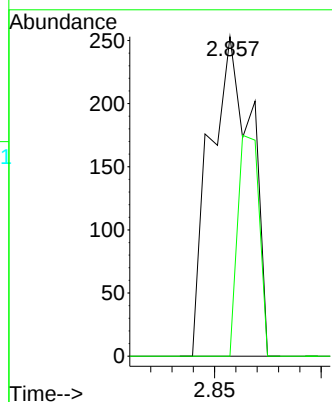
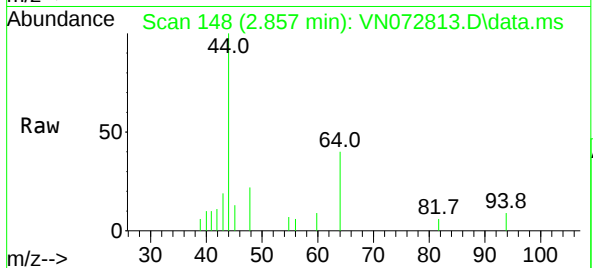




#5
Bromomethane
Concen: 0.293 ug/l
RT: 2.857 min Scan# 14
Delta R.T. 0.035 min
Lab File: VN072813.D
Acq: 13 Jun 2022 22:57

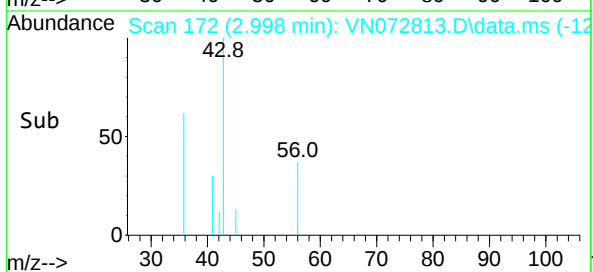
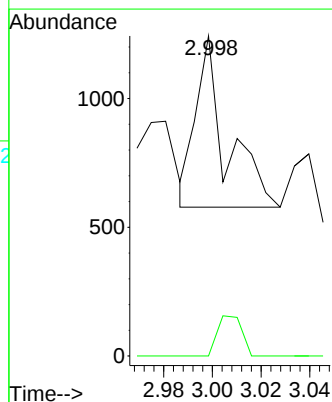
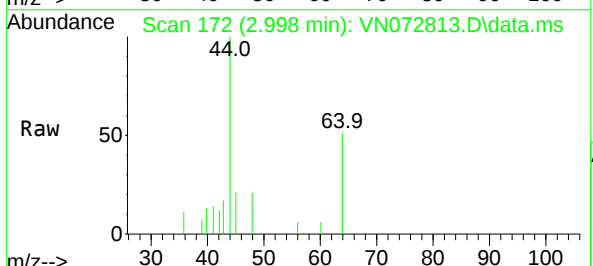
Instrument :
MSVOA_N
ClientSampleId :
PB145459ZHE#04

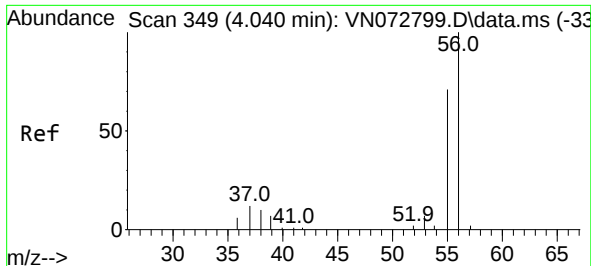
Tgt Ion: 94 Resp: 343
Ion Ratio Lower Upper
94 100
96 0.0 76.0 114.0#



#6
Chloroethane
Concen: Below Cal
RT: 2.998 min Scan# 172
Delta R.T. 0.000 min
Lab File: VN072813.D
Acq: 13 Jun 2022 22:57

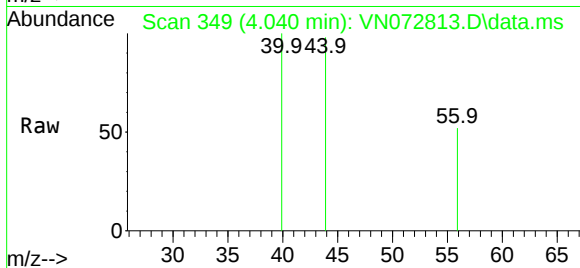
Tgt Ion: 64 Resp: 573
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



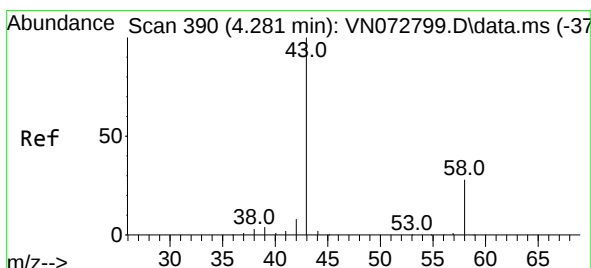
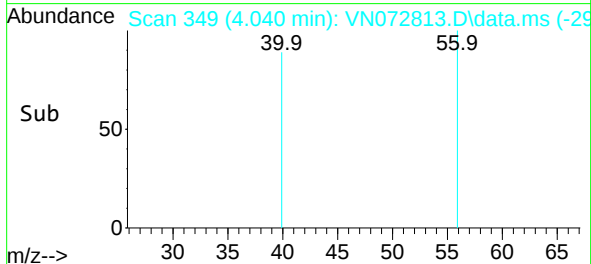
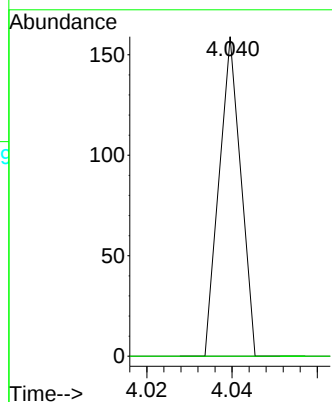


#13
Acrolein
Concen: Below Cal
RT: 4.040 min Scan# 349
Delta R.T. -0.000 min
Lab File: VN072813.D
Acq: 13 Jun 2022 22:57

Instrument :
MSVOA_N
ClientSampleId :
PB145459ZHE#04

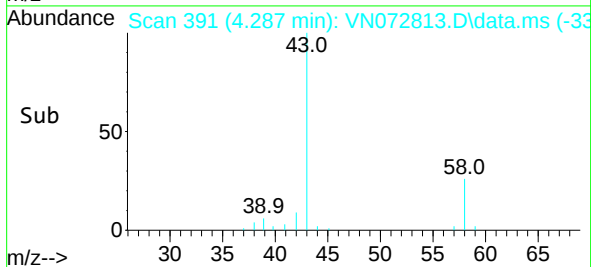
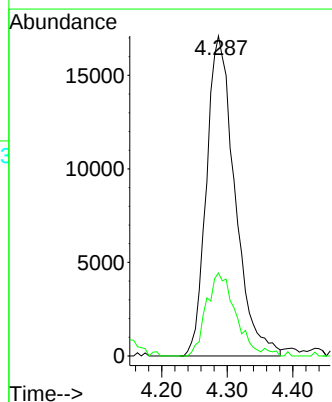
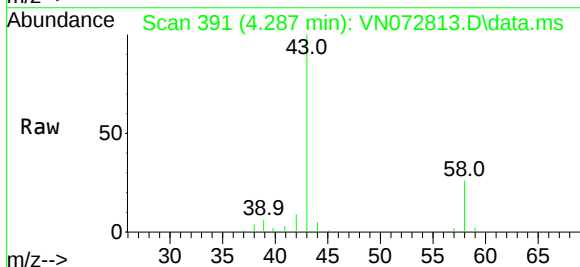


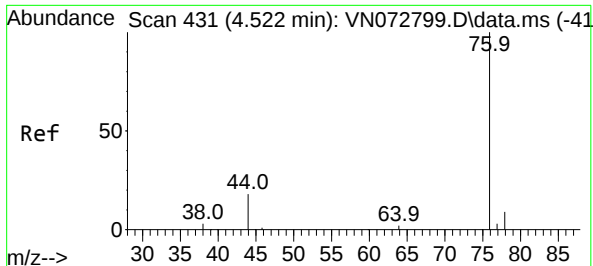
Tgt Ion: 56 Resp: 56
Ion Ratio Lower Upper
56 100
55 0.0 54.8 82.2#



#16
Acetone
Concen: 24.962 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.006 min
Lab File: VN072813.D
Acq: 13 Jun 2022 22:57

Tgt Ion: 43 Resp: 51514
Ion Ratio Lower Upper
43 100
58 25.9 26.0 39.0#

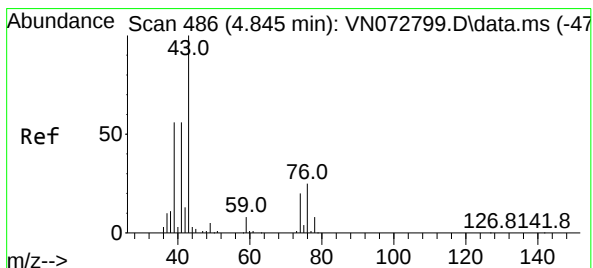
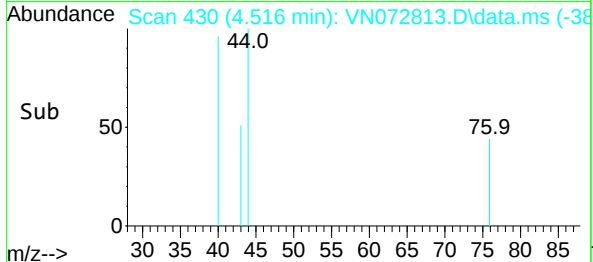
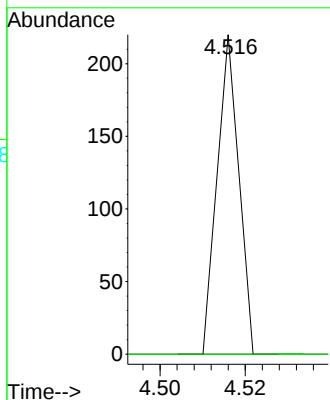
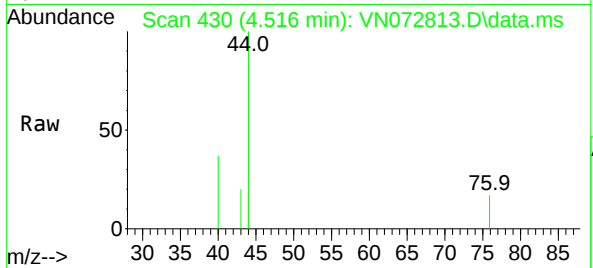




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.516 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN072813.D
Acq: 13 Jun 2022 22:57

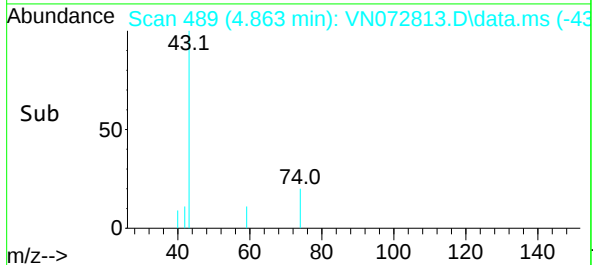
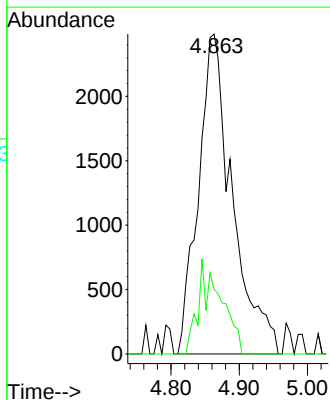
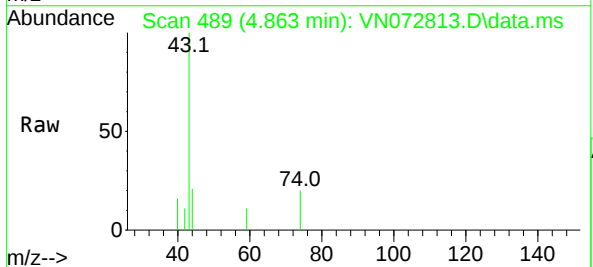
Instrument :
MSVOA_N
ClientSampleId :
PB145459ZHE#04

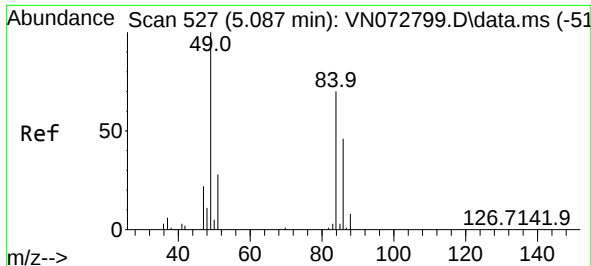
Tgt Ion: 76 Resp: 78
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 1.585 ug/l
RT: 4.863 min Scan# 489
Delta R.T. 0.018 min
Lab File: VN072813.D
Acq: 13 Jun 2022 22:57

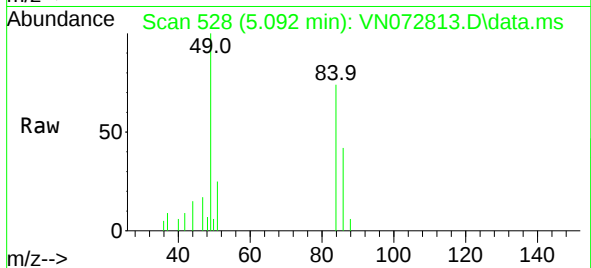
Tgt Ion: 43 Resp: 8597
Ion Ratio Lower Upper
43 100
74 7.3 21.6 32.4#



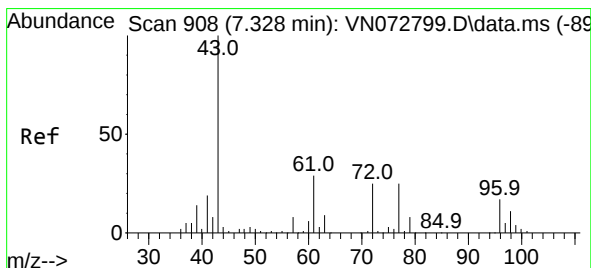
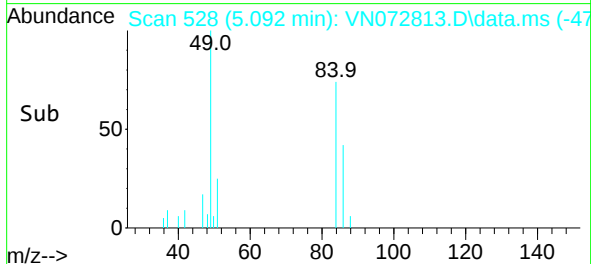
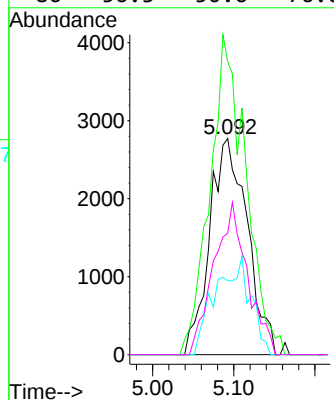


#20
Methylene Chloride
Concen: 1.806 ug/l
RT: 5.092 min Scan# 51
Delta R.T. 0.005 min
Lab File: VN072813.D
Acq: 13 Jun 2022 22:57

Instrument :
MSVOA_N
ClientSampleId :
PB145459ZHE#04

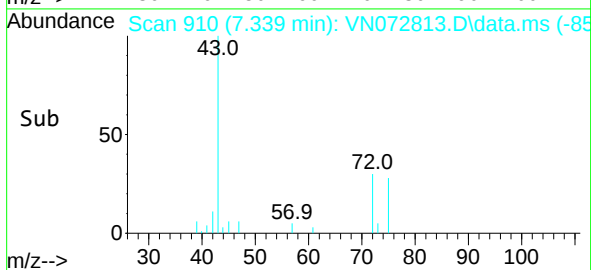
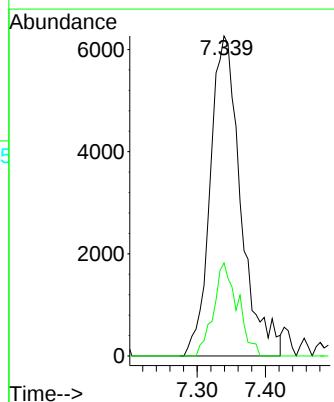
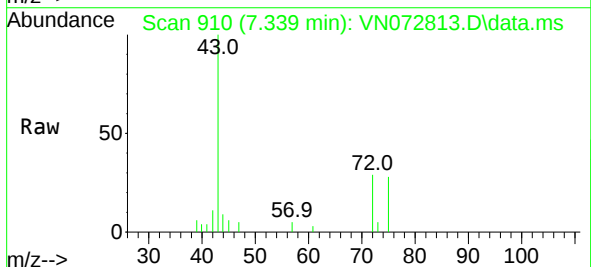


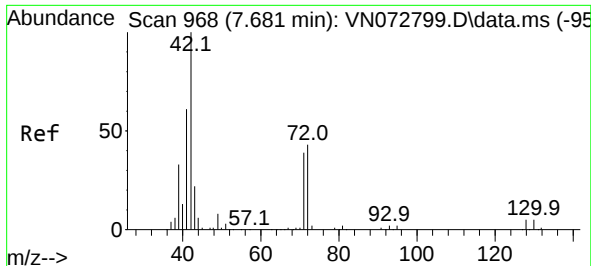
Tgt Ion: 84 Resp: 8925
Ion Ratio Lower Upper
84 100
49 135.4 88.3 132.5#
51 34.2 28.2 42.2
86 56.3 50.6 76.0



#25
2-Butanone
Concen: 6.036 ug/l
RT: 7.339 min Scan# 910
Delta R.T. 0.011 min
Lab File: VN072813.D
Acq: 13 Jun 2022 22:57

Tgt Ion: 43 Resp: 19537
Ion Ratio Lower Upper
43 100
72 29.0 23.7 35.5





#29

Tetrahydrofuran

Concen: 0.496 ug/l

RT: 7.692 min Scan# 91

Delta R.T. 0.011 min

Lab File: VN072813.D

Acq: 13 Jun 2022 22:57

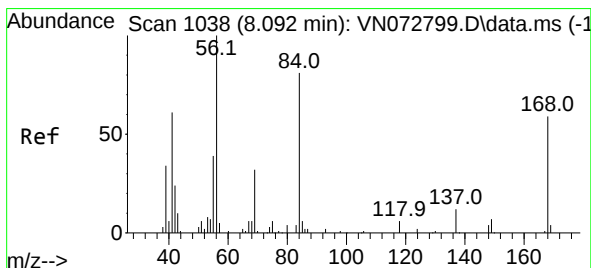
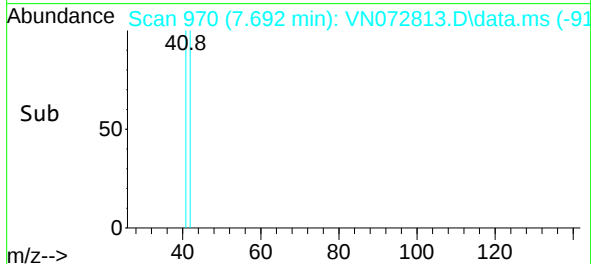
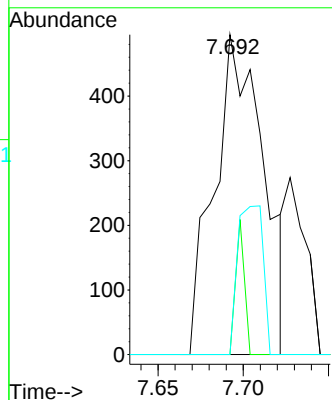
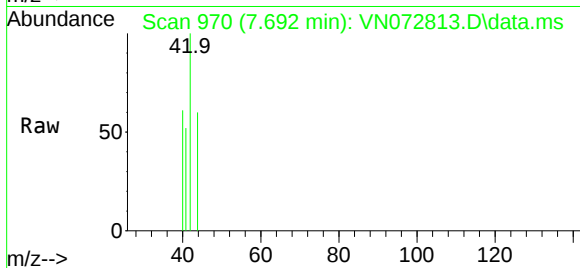
Instrument :

MSVOA_N

ClientSampleId :

PB145459ZHE#04

Tgt Ion: 42	Resp:	994
Ion	Ratio	Lower Upper
42	100	
72	7.4	39.7 59.5#
71	23.9	36.6 55.0#



#31

Cyclohexane

Concen: Below Cal

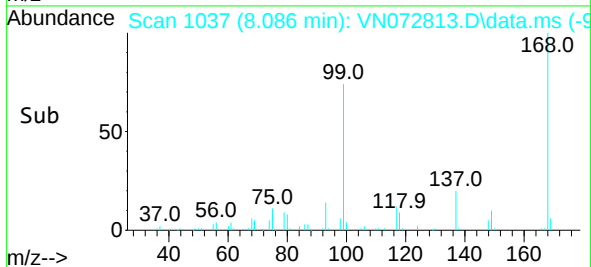
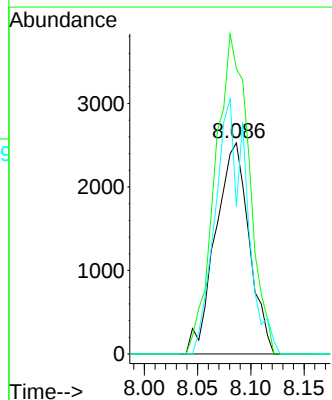
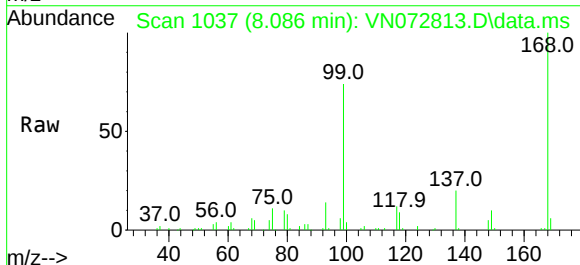
RT: 8.086 min Scan# 1037

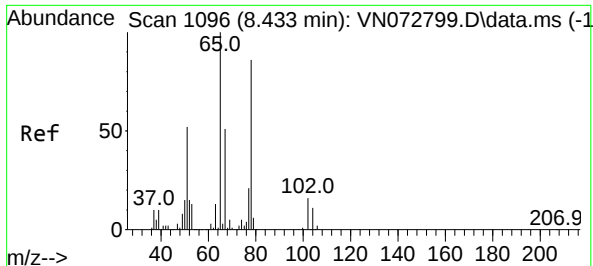
Delta R.T. -0.006 min

Lab File: VN072813.D

Acq: 13 Jun 2022 22:57

Tgt Ion: 56	Resp:	5555
Ion	Ratio	Lower Upper
56	100	
69	135.1	27.8 41.8#
84	69.9	76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 53.278 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. 0.000 min

Lab File: VN072813.D

Acq: 13 Jun 2022 22:57

Instrument :

MSVOA_N

ClientSampleId :

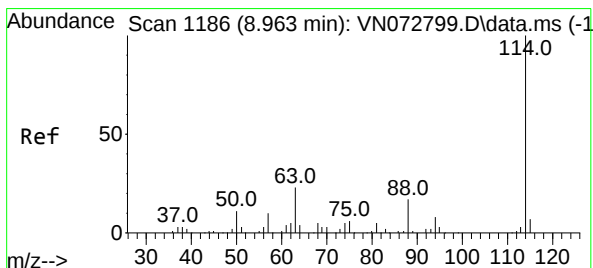
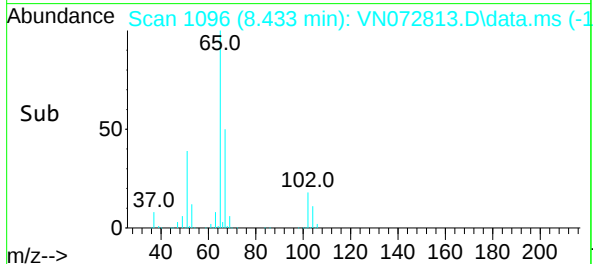
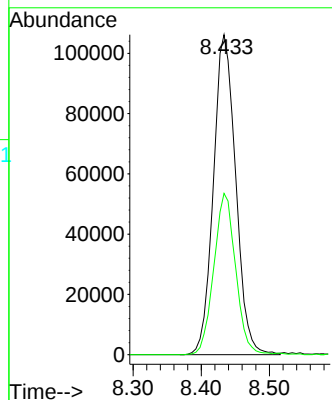
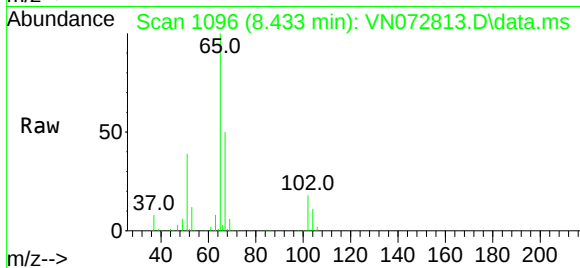
PB145459ZHE#04

Tgt Ion: 65 Resp: 242118

Ion Ratio Lower Upper

65 100

67 49.1 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: VN072813.D

Acq: 13 Jun 2022 22:57

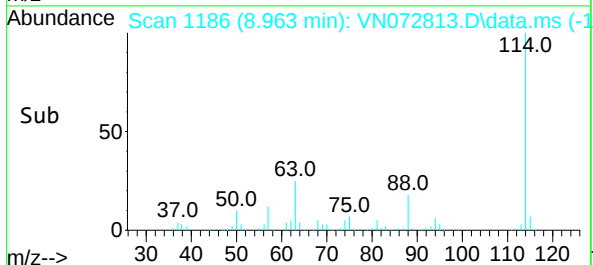
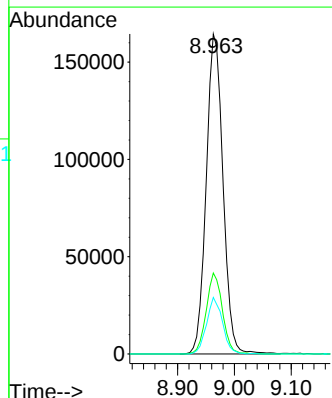
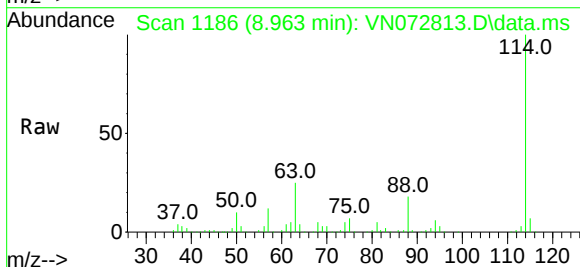
Tgt Ion: 114 Resp: 336539

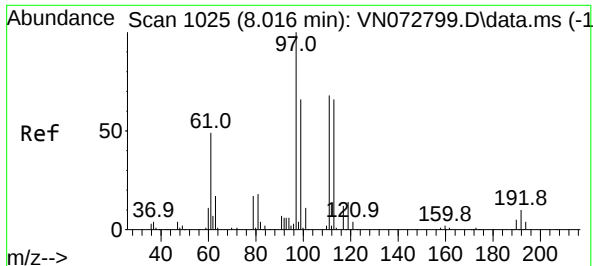
Ion Ratio Lower Upper

114 100

63 25.3 0.0 40.0

88 17.7 0.0 32.6





#35

Dibromofluoromethane

Concen: 49.878 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.006 min

Lab File: VN072813.D

Acq: 13 Jun 2022 22:57

Instrument :

MSVOA_N

ClientSampleId :

PB145459ZHE#04

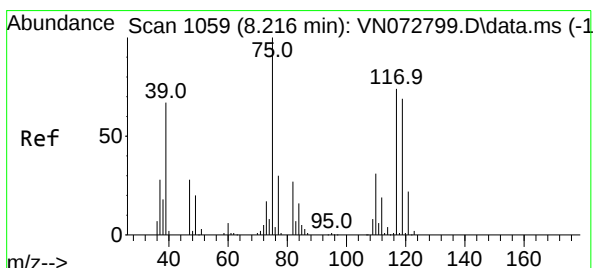
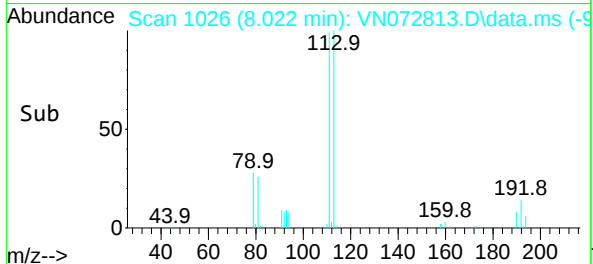
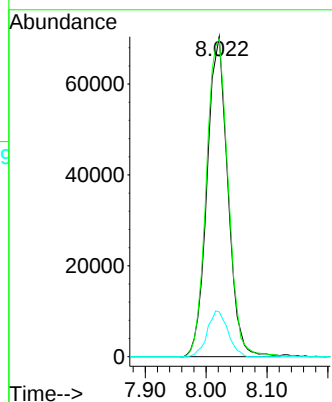
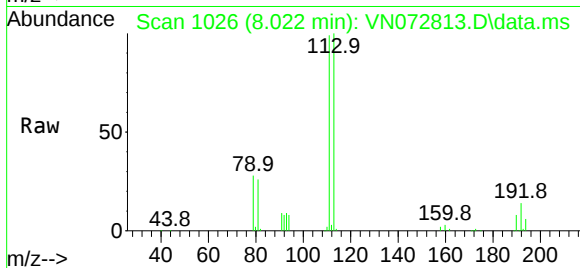
Tgt Ion:113 Resp: 167175

Ion Ratio Lower Upper

113 100

111 104.4 81.4 122.0

192 14.1 17.0 25.6#



#36

1,1-Dichloropropene

Concen: 3.871 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.130 min

Lab File: VN072813.D

Acq: 13 Jun 2022 22:57

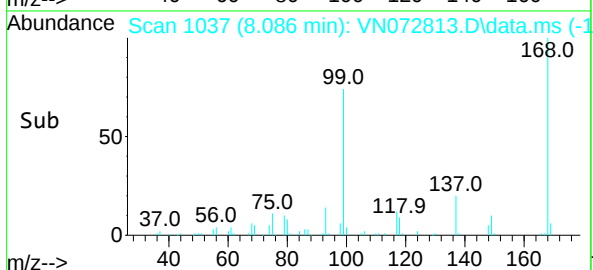
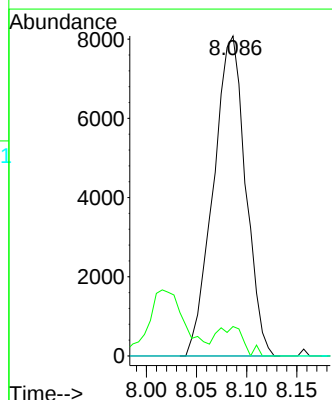
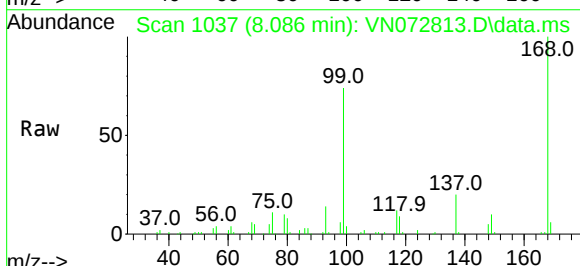
Tgt Ion: 75 Resp: 18078

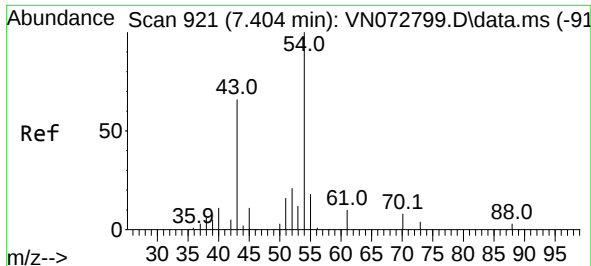
Ion Ratio Lower Upper

75 100

110 7.6 18.3 54.8#

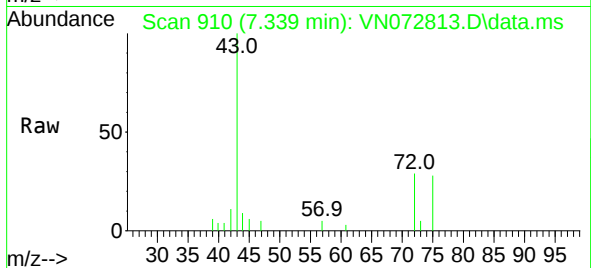
77 0.0 25.1 37.7#



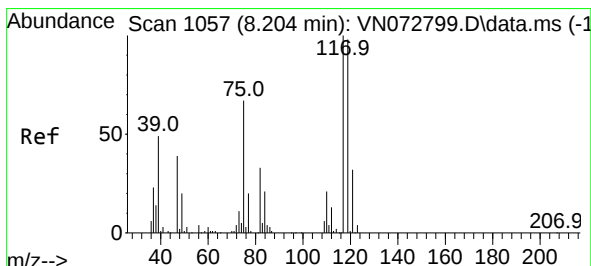
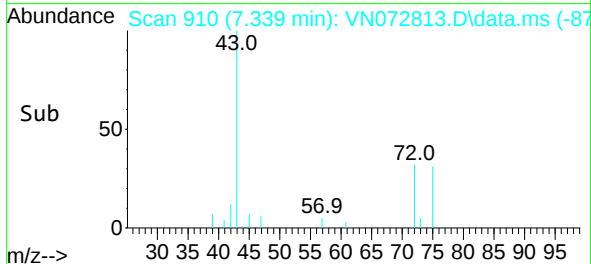
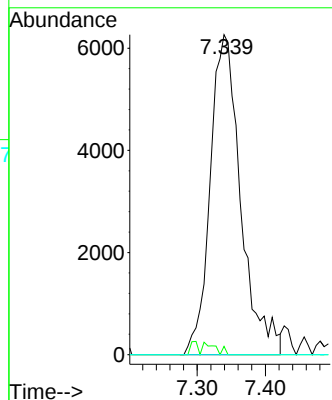


#37
Ethyl Acetate
Concen: 2.738 ug/l
RT: 7.339 min Scan# 91
Delta R.T. -0.065 min
Lab File: VN072813.D
Acq: 13 Jun 2022 22:57

Instrument :
MSVOA_N
ClientSampleId :
PB145459ZHE#04

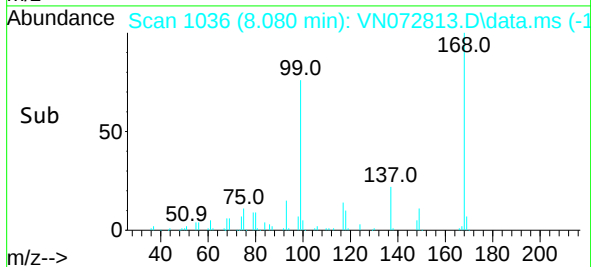
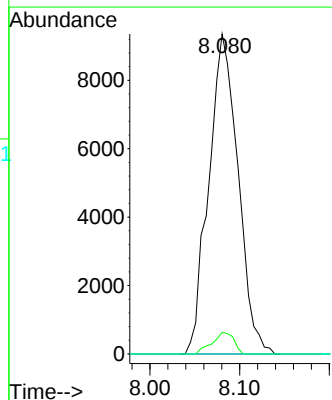
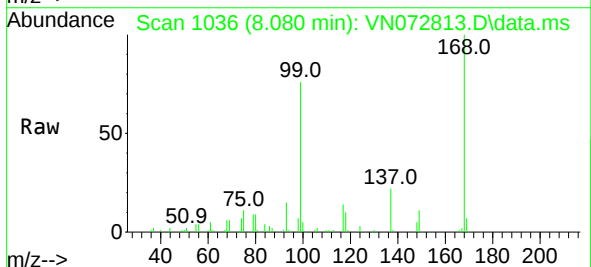


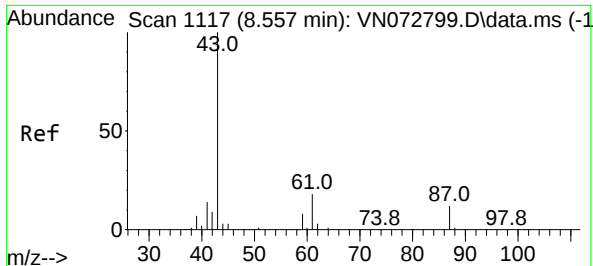
Tgt Ion: 43 Resp: 19537
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 0.0 9.3 13.9#



#38
Carbon Tetrachloride
Concen: 4.335 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.124 min
Lab File: VN072813.D
Acq: 13 Jun 2022 22:57

Tgt Ion: 117 Resp: 21219
Ion Ratio Lower Upper
117 100
119 6.8 75.8 113.8#
121 0.0 24.6 37.0#





#43

Isopropyl Acetate

Concen: 6.849 ug/l

RT: 8.563 min Scan# 1118

Delta R.T. 0.006 min

Lab File: VN072813.D

Acq: 13 Jun 2022 22:57

Instrument :

MSVOA_N

ClientSampleId :

PB145459ZHE#04

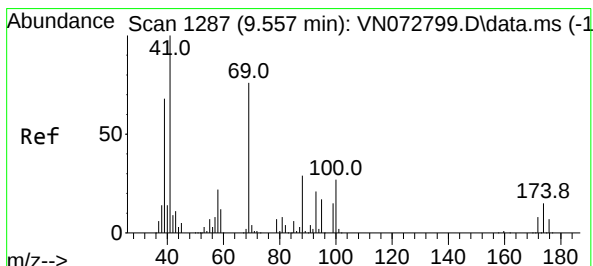
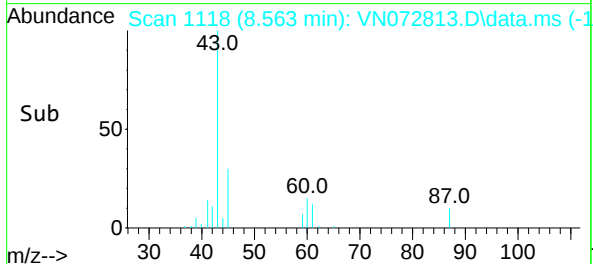
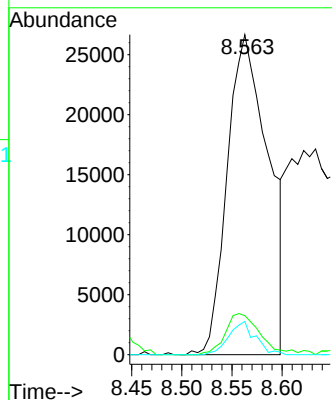
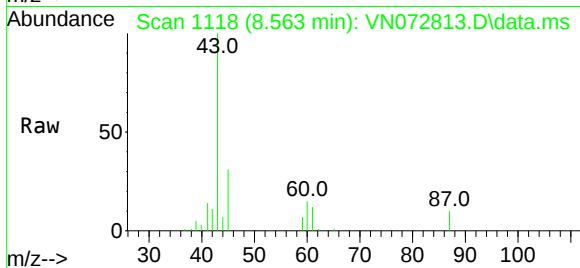
Tgt Ion: 43 Resp: 75652

Ion Ratio Lower Upper

43 100

61 11.2 21.9 32.9#

87 6.7 12.0 18.0#



#48

Methyl methacrylate

Concen: 2.804 ug/l

RT: 9.539 min Scan# 1284

Delta R.T. -0.018 min

Lab File: VN072813.D

Acq: 13 Jun 2022 22:57

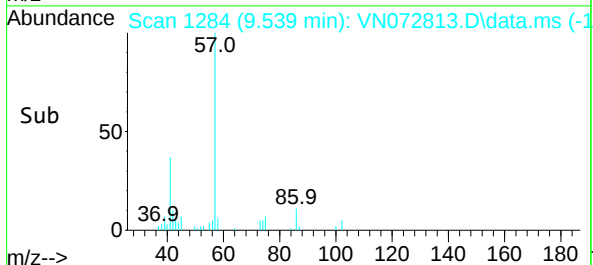
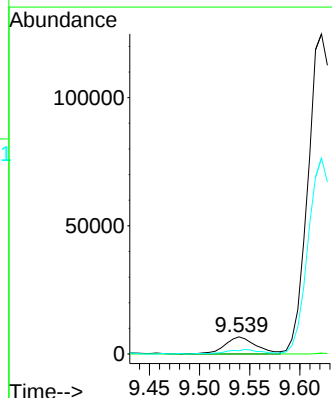
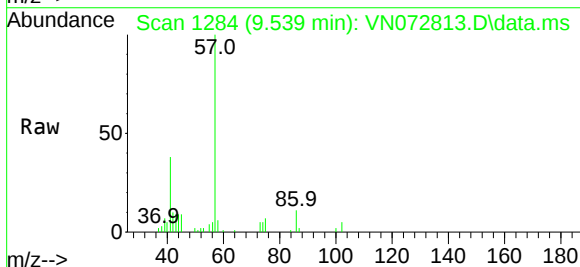
Tgt Ion: 41 Resp: 14373

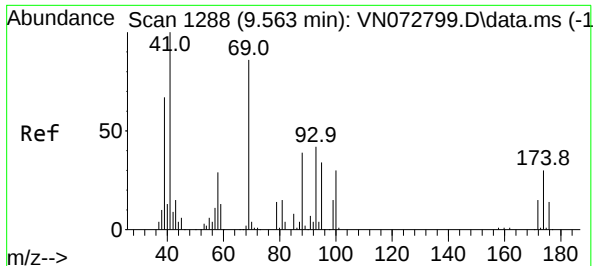
Ion Ratio Lower Upper

41 100

69 0.0 74.7 112.1#

39 0.0 45.6 68.4#





#49

1,4-Dioxane

Concen: 0.834 ug/l

RT: 9.604 min Scan# 1295

Delta R.T. 0.041 min

Lab File: VN072813.D

Acq: 13 Jun 2022 22:57

Instrument :

MSVOA_N

ClientSampleId :

PB145459ZHE#04

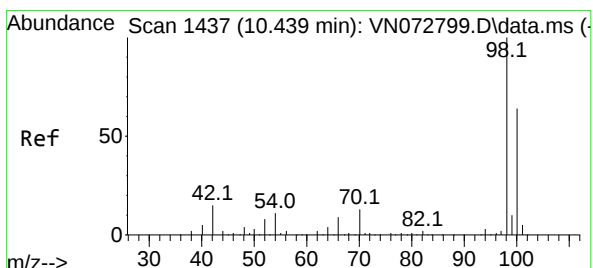
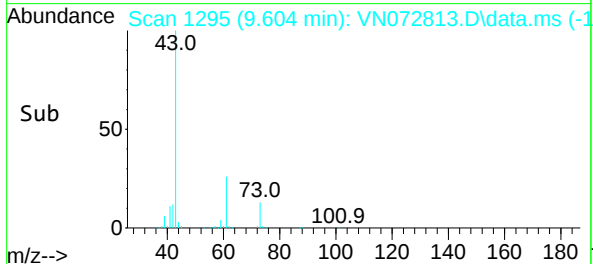
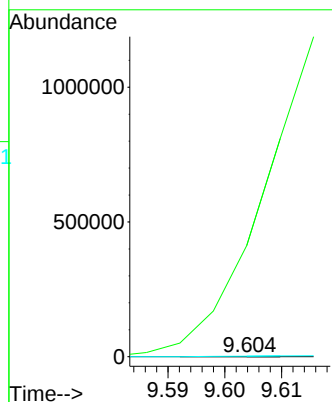
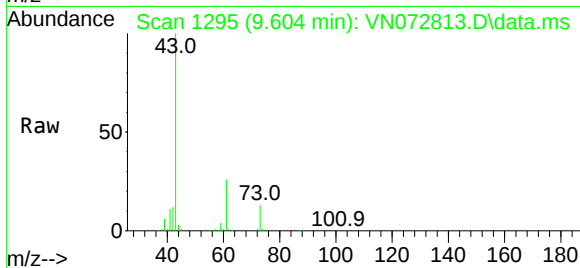
Tgt Ion: 88 Resp: 73

Ion Ratio Lower Upper

88 100

43 0.0 20.2 30.4#

58 0.0 54.2 81.4#



#50

Toluene-d8

Concen: 43.815 ug/l

RT: 10.439 min Scan# 1437

Delta R.T. 0.000 min

Lab File: VN072813.D

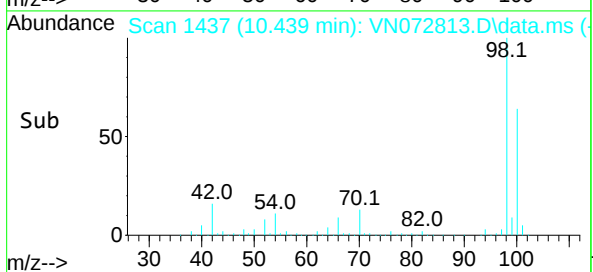
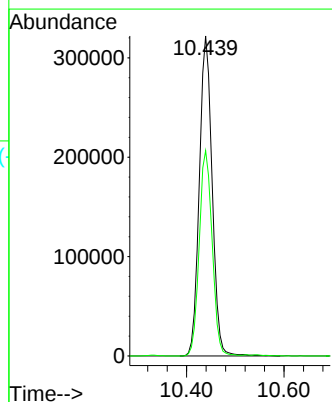
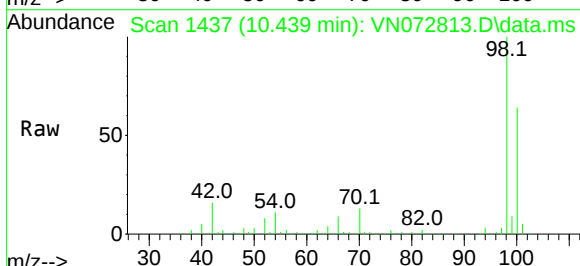
Acq: 13 Jun 2022 22:57

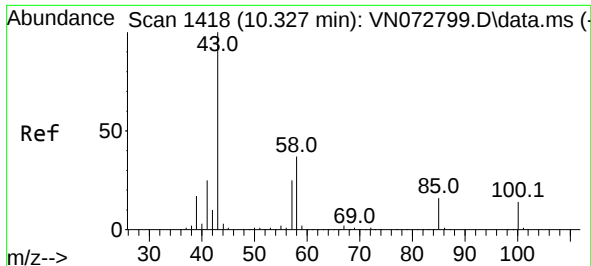
Tgt Ion: 98 Resp: 589773

Ion Ratio Lower Upper

98 100

100 64.7 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 1.181 ug/l

RT: 10.327 min Scan# 1418

Delta R.T. 0.000 min

Lab File: VN072813.D

Acq: 13 Jun 2022 22:57

Instrument :

MSVOA_N

ClientSampleId :

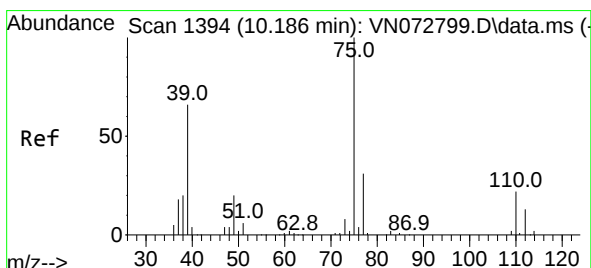
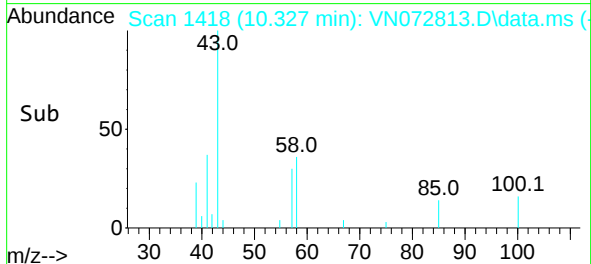
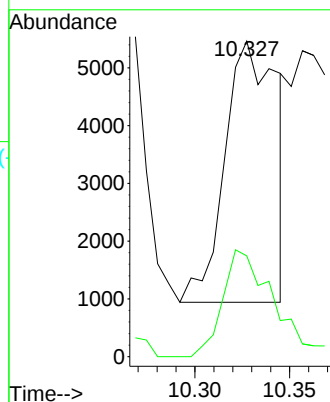
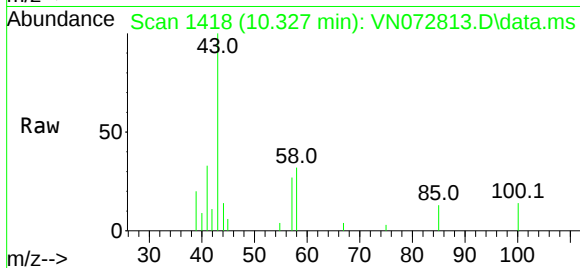
PB145459ZHE#04

Tgt Ion: 43 Resp: 8652

Ion Ratio Lower Upper

43 100

58 39.5 34.1 51.1



#54

cis-1,3-Dichloropropene

Concen: 9.655 ug/l

RT: 10.239 min Scan# 1403

Delta R.T. 0.053 min

Lab File: VN072813.D

Acq: 13 Jun 2022 22:57

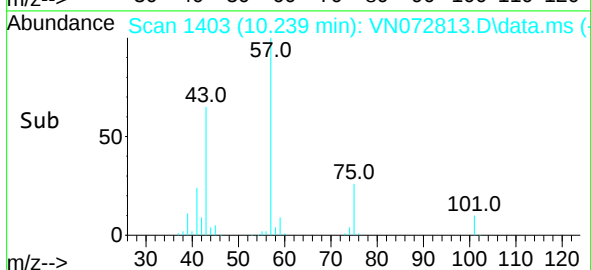
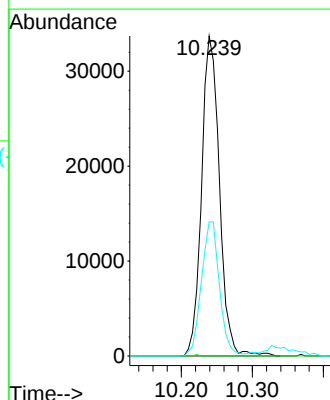
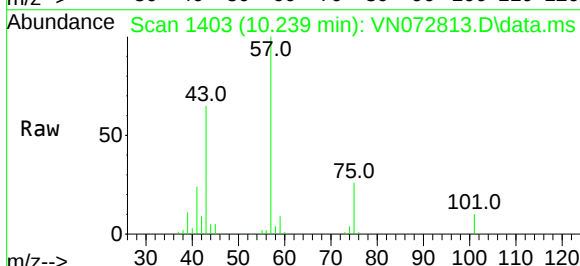
Tgt Ion: 75 Resp: 59008

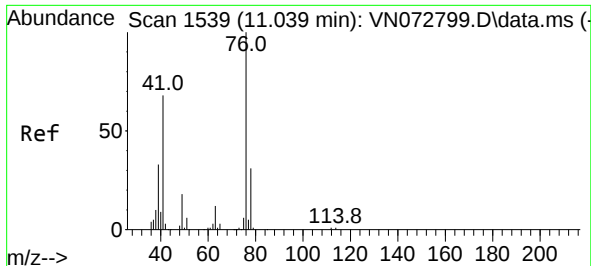
Ion Ratio Lower Upper

75 100

77 0.0 25.2 37.8#

39 41.9 35.7 53.5





#57

1,3-Dichloropropane

Concen: 5.530 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.047 min

Lab File: VN072813.D

Acq: 13 Jun 2022 22:57

Instrument :

MSVOA_N

ClientSampleId :

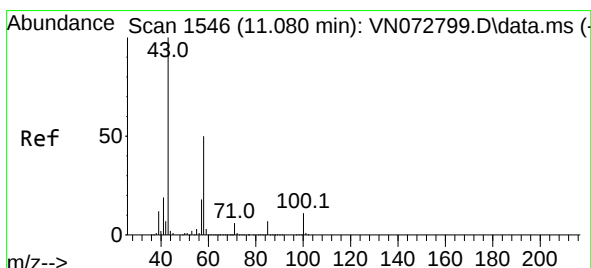
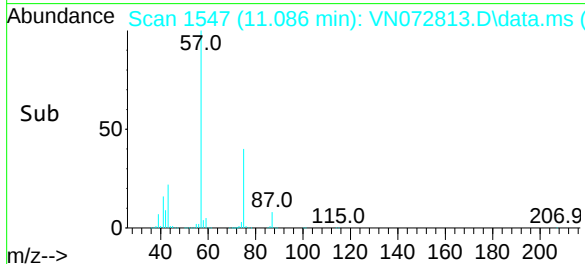
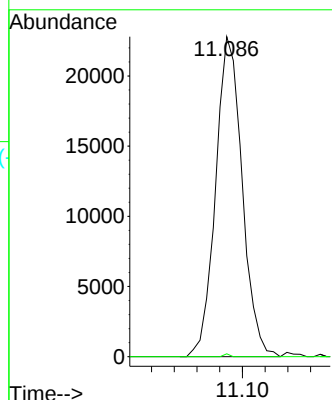
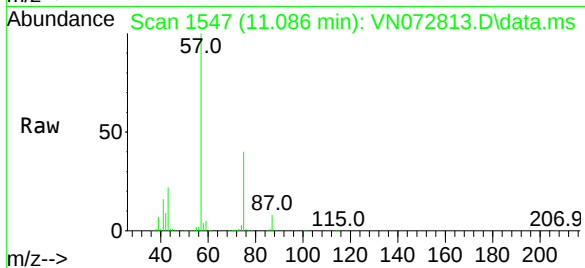
PB145459ZHE#04

Tgt Ion: 76 Resp: 36955

Ion Ratio Lower Upper

76 100

78 0.2 26.2 39.2#



#59

2-Hexanone

Concen: 109.357 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.006 min

Lab File: VN072813.D

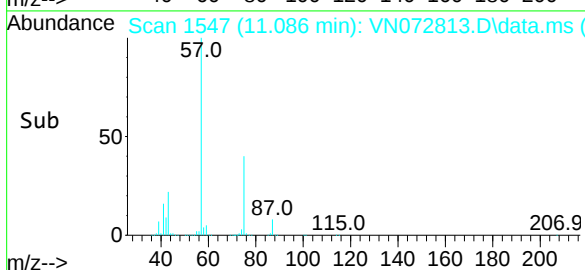
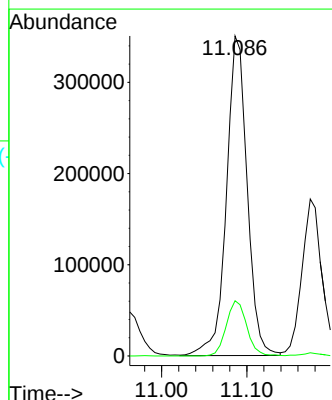
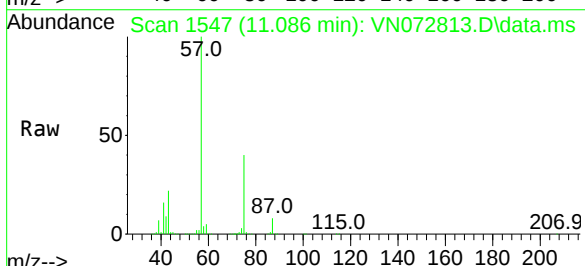
Acq: 13 Jun 2022 22:57

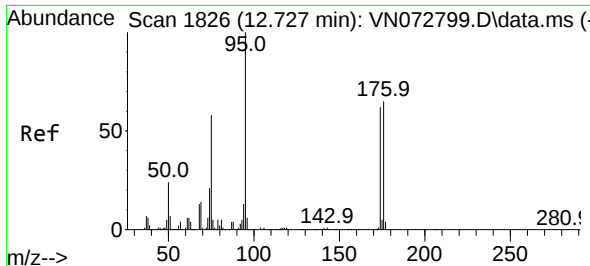
Tgt Ion: 43 Resp: 593526

Ion Ratio Lower Upper

43 100

58 17.0 29.7 89.1#

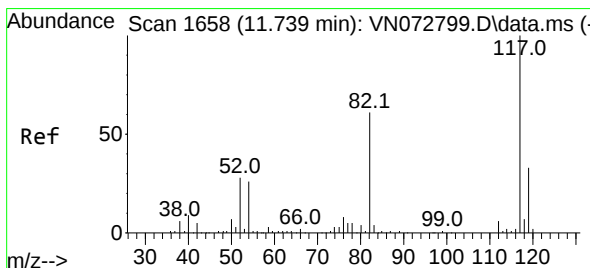
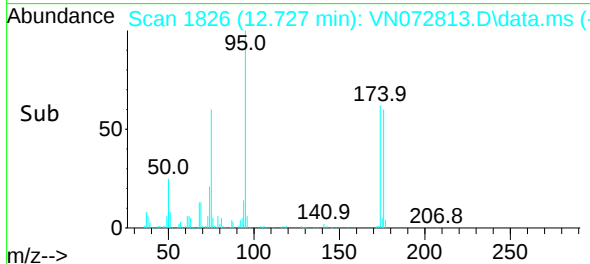
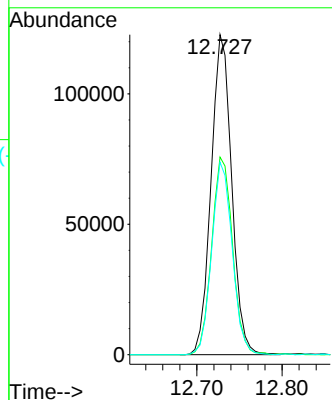
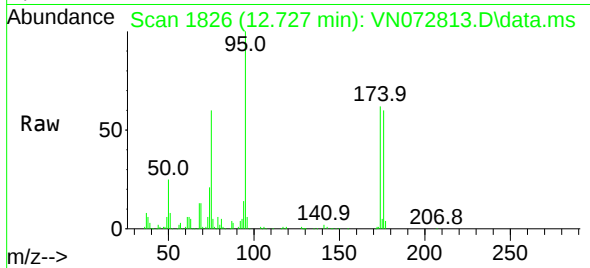




#62
4-Bromofluorobenzene
Concen: 43.288 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072813.D
Acq: 13 Jun 2022 22:57

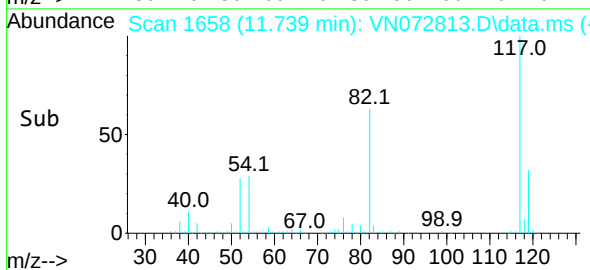
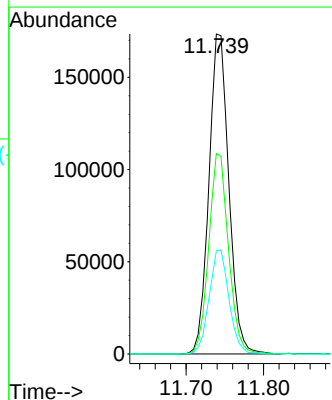
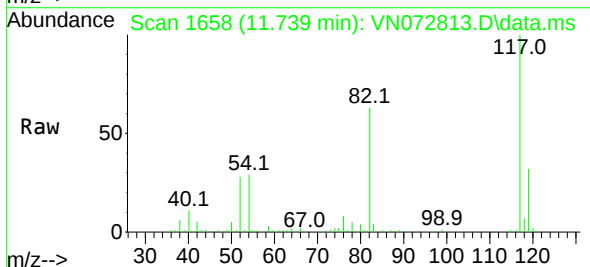
Instrument :
MSVOA_N
ClientSampleId :
PB145459ZHE#04

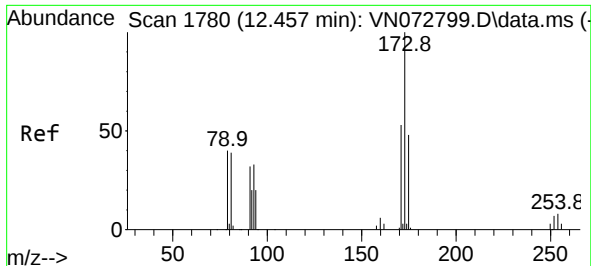
Tgt Ion: 95 Resp: 205909
Ion Ratio Lower Upper
95 100
174 62.7 0.0 167.6
176 59.9 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072813.D
Acq: 13 Jun 2022 22:57

Tgt Ion: 117 Resp: 309907
Ion Ratio Lower Upper
117 100
82 62.7 44.2 66.2
119 32.2 25.4 38.0

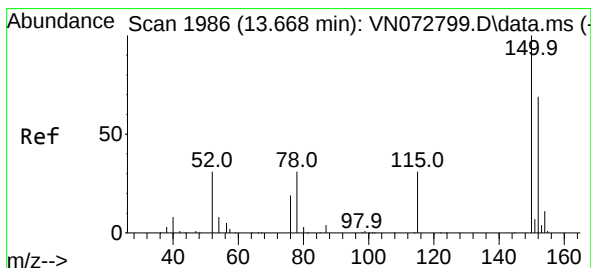
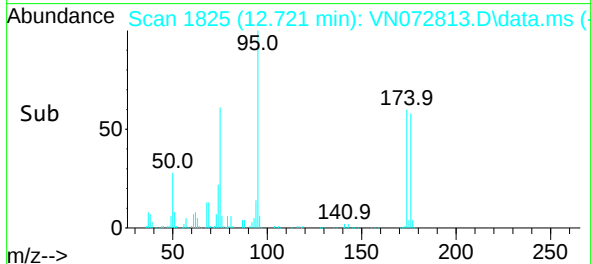
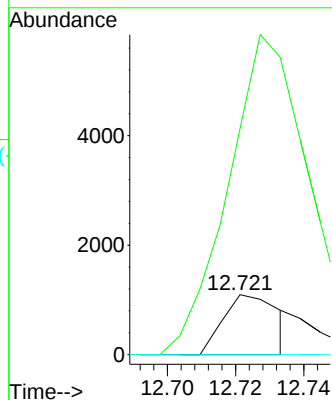
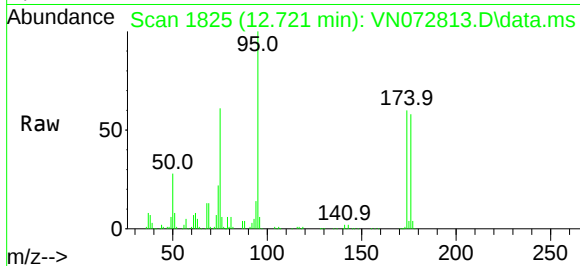




#71
Bromoform
Concen: 0.544 ug/l
RT: 12.721 min Scan# 11
Delta R.T. 0.264 min
Lab File: VN072813.D
Acq: 13 Jun 2022 22:57

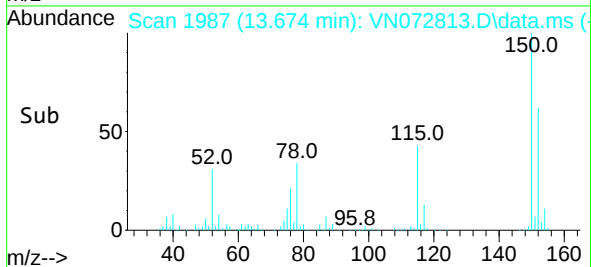
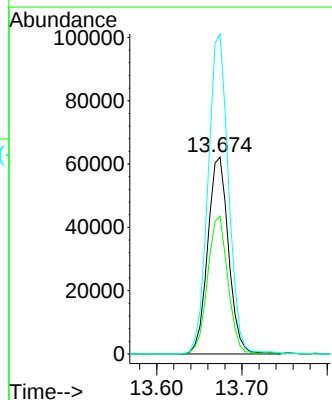
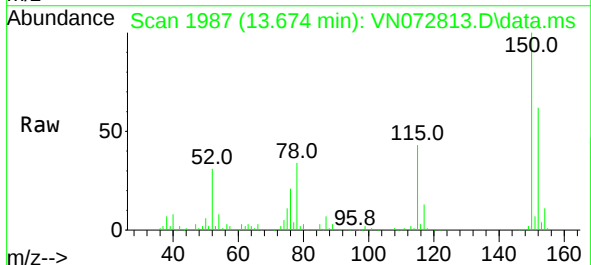
Instrument :
MSVOA_N
ClientSampleId :
PB145459ZHE#04

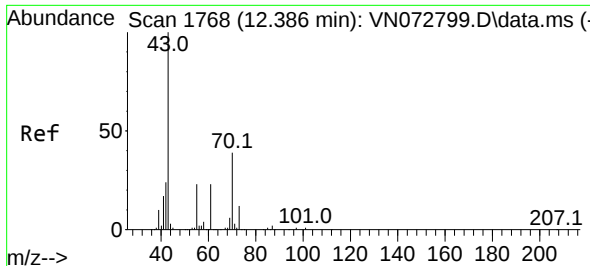
Tgt Ion:173 Resp: 1232
Ion Ratio Lower Upper
173 100
175 553.3 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.006 min
Lab File: VN072813.D
Acq: 13 Jun 2022 22:57

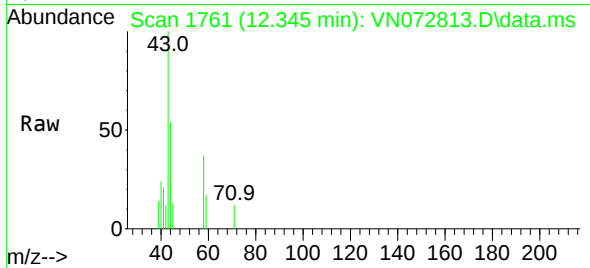
Tgt Ion:152 Resp: 105513
Ion Ratio Lower Upper
152 100
115 68.3 28.9 86.7
150 160.2 0.0 356.2



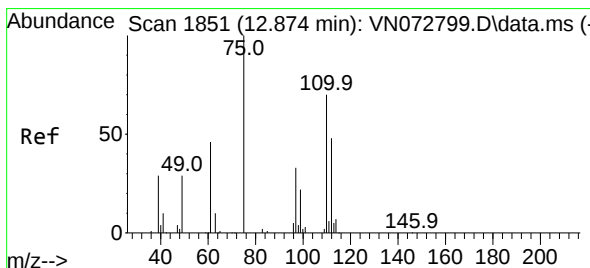
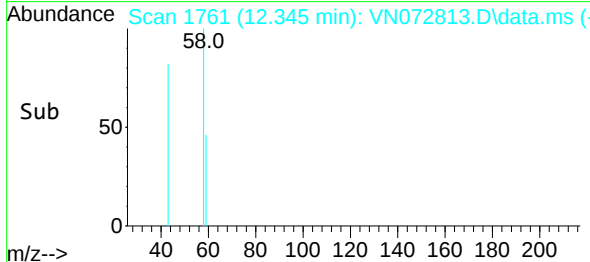
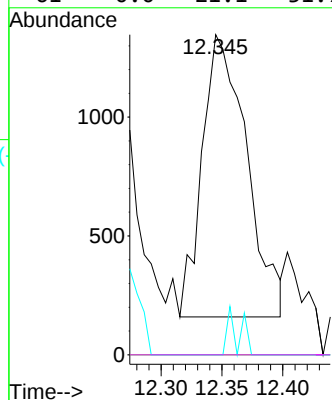


#74
N-amy1 acetate
Concen: 0.587 ug/l
RT: 12.345 min Scan# 11
Delta R.T. -0.041 min
Lab File: VN072813.D
Acq: 13 Jun 2022 22:57

Instrument :
MSVOA_N
ClientSampleId :
PB145459ZHE#04

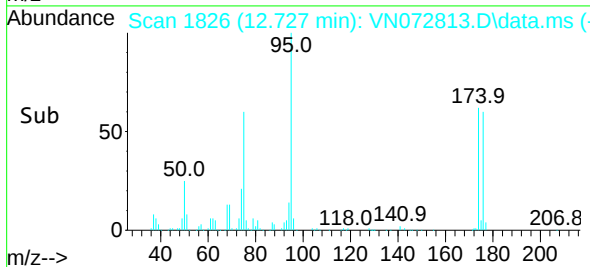
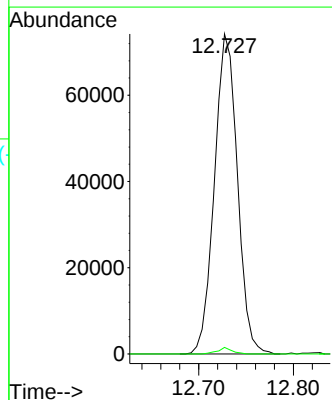
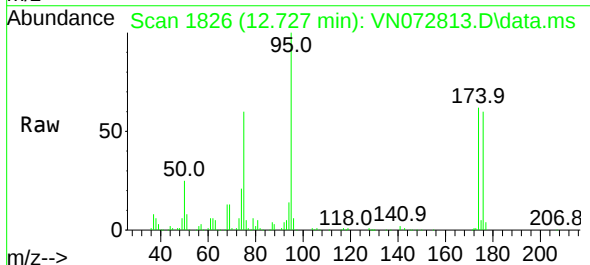


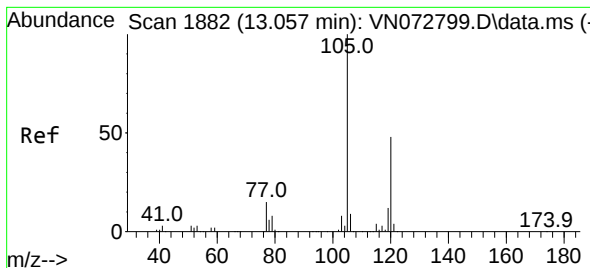
Tgt Ion: 43	Resp: 3025
Ion Ratio	Lower Upper
43	100
70	0.0 39.0 58.4#
55	4.4 21.1 31.7#
61	0.0 21.1 31.7#



#76
1,2,3-Trichloropropane
Concen: 34.515 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072813.D
Acq: 13 Jun 2022 22:57

Tgt Ion: 75	Resp: 124992
Ion Ratio	Lower Upper
75	100
77	1.3 98.5 295.5#





#80

1,3,5-Trimethylbenzene

Concen: 0.239 ug/l

RT: 13.057 min Scan# 1882

Delta R.T. -0.000 min

Lab File: VN072813.D

Acq: 13 Jun 2022 22:57

Instrument :

MSVOA_N

ClientSampleId :

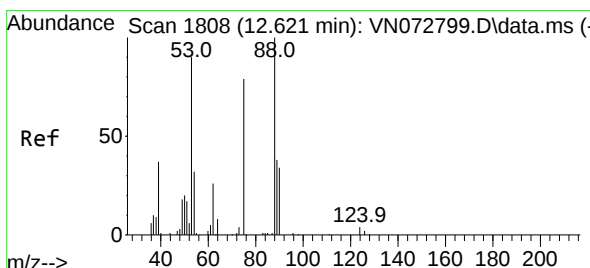
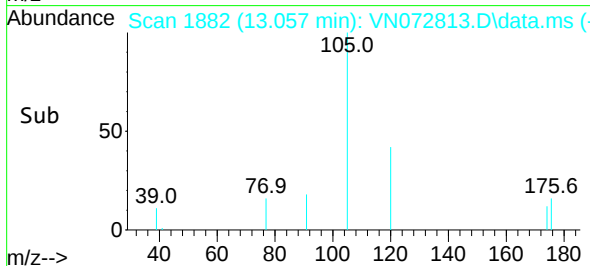
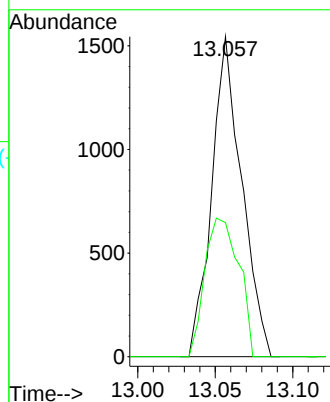
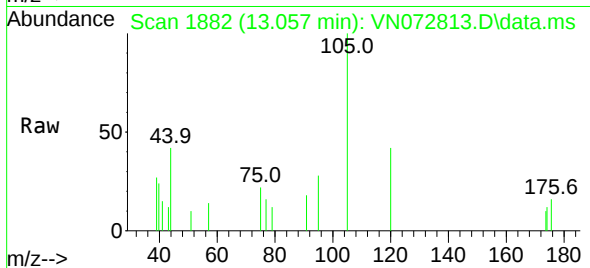
PB145459ZHE#04

Tgt Ion:105 Resp: 2080

Ion Ratio Lower Upper

105 100

120 49.0 24.9 74.7



#81

trans-1,4-Dichloro-2-butene

Concen: 105.198 ug/l

RT: 12.727 min Scan# 1826

Delta R.T. 0.106 min

Lab File: VN072813.D

Acq: 13 Jun 2022 22:57

Tgt Ion: 75 Resp: 124992

Ion Ratio Lower Upper

75 100

53 0.0 78.0 117.0#

89 0.0 37.2 55.8#

