

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061422\
 Data File : VN072859.D
 Acq On : 15 Jun 2022 03:07
 Operator : JC\MD
 Sample : PB145494ZHE#11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB145494ZHE#11

Quant Time: Jun 15 04:38:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 15 04:13:32 2022
 Response via : Initial Calibration

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

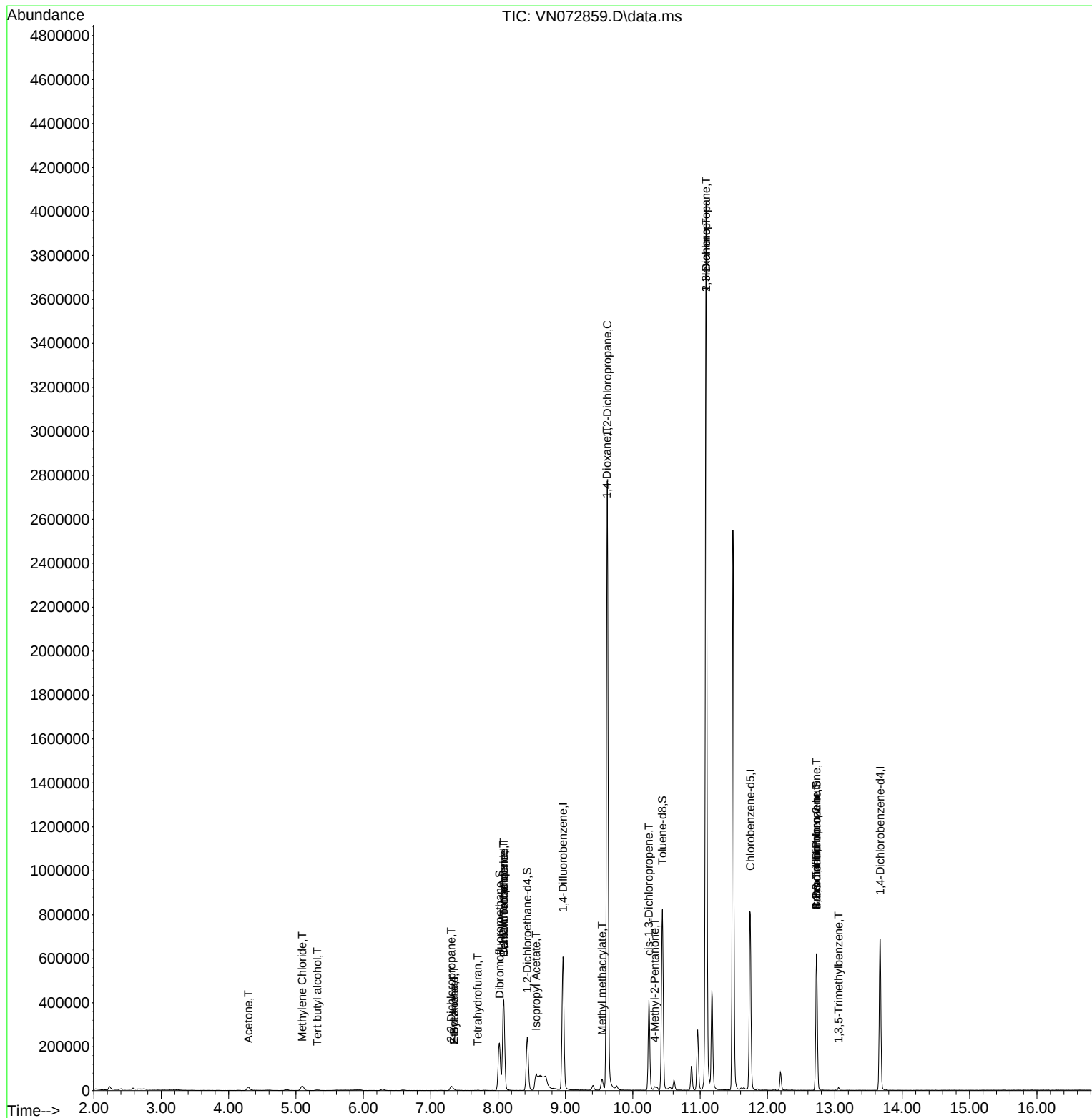
Internal Standards						
1) Pentafluorobenzene	8.087	168	302998	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	519194	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.745	117	462642	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	183712	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	201962	43.037	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	86.080%		
35) Dibromofluoromethane	8.022	113	163931	50.998	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	102.000%		
50) Toluene-d8	10.439	98	556724	43.886	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	87.780%		
62) 4-Bromofluorobenzene	12.727	95	218054	51.206	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	102.420%		
Target Compounds						
						Qvalue
3) Chloromethane	2.293	50	713	Below Cal	#	43
6) Chloroethane	2.993	64	411	Below Cal	#	42
11) Tert butyl alcohol	5.316	59	2519	0.443	ug/l #	72
16) Acetone	4.293	43	30322	11.561	ug/l #	81
17) Carbon Disulfide	4.534	76	359	Below Cal	#	75
20) Methylene Chloride	5.093	84	16037	3.108	ug/l #	83
25) 2-Butanone	7.345	43	7833	1.885	ug/l #	82
26) 2,2-Dichloropropane	7.304	77	1498	0.305	ug/l #	53
29) Tetrahydrofuran	7.698	42	1023	0.386	ug/l #	68
31) Cyclohexane	8.081	56	7944	Below Cal	#	48
36) 1,1-Dichloropropene	8.081	75	26979	6.284	ug/l #	47
37) Ethyl Acetate	7.345	43	7833	1.081	ug/l #	67
38) Carbon Tetrachloride	8.087	117	32450	7.572	ug/l #	16
43) Isopropyl Acetate	8.563	43	99593	9.333	ug/l #	70
45) 1,2-Dichloropropane	9.622	63	3302	0.874	ug/l #	44
48) Methyl methacrylate	9.545	41	15522	3.051	ug/l #	10
49) 1,4-Dioxane	9.616	88	344	3.334	ug/l #	1
51) 4-Methyl-2-Pentanone	10.328	43	11860	1.621	ug/l #	84
54) cis-1,3-Dichloropropene	10.239	75	69736	12.814	ug/l #	66
57) 1,3-Dichloropropane	11.086	76	42168	6.447	ug/l #	42
59) 2-Hexanone	11.086	43	673165	122.582	ug/l #	43
71) Bromoform	12.727	173	1572	0.623	ug/l #	1
76) 1,2,3-Trichloropropane	12.727	75	114903	21.684	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.057	105	5883	0.438	ug/l	92
81) trans-1,4-Dichloro-2-b...	12.727	75	114903	67.434	ug/l #	10

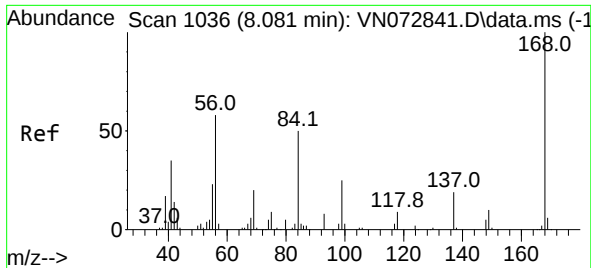
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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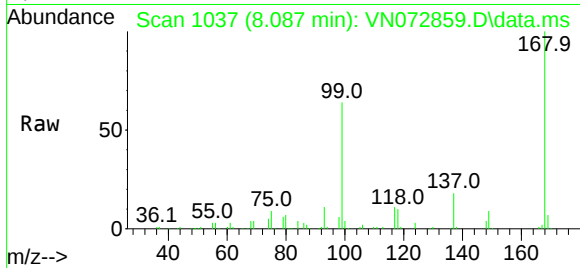
Quant Time: Jun 15 04:38:20 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061422W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 15 04:13:32 2022
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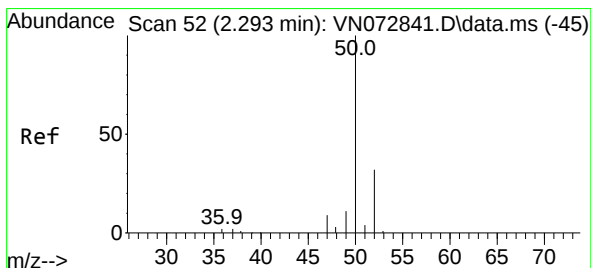
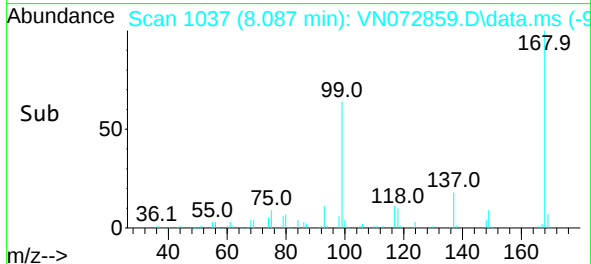
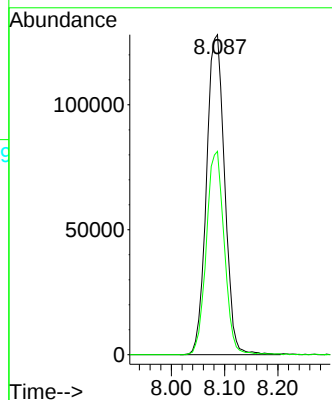


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.087 min Scan# 1036
Delta R.T. 0.006 min
Lab File: VN072859.D
Acq: 15 Jun 2022 03:07

Instrument :
MSVOA_N
ClientSampleId :
PB145494ZHE#11

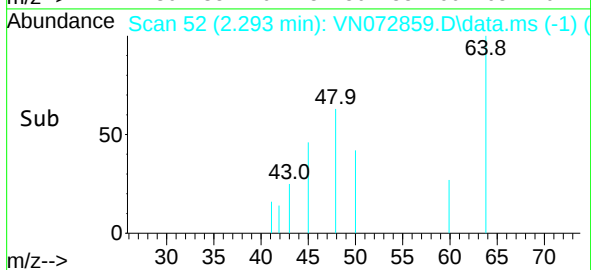
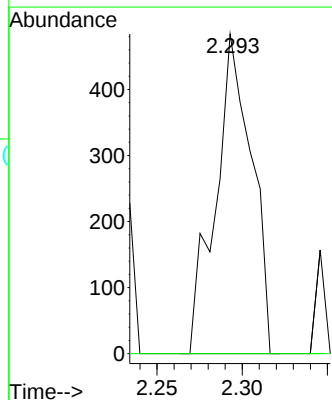
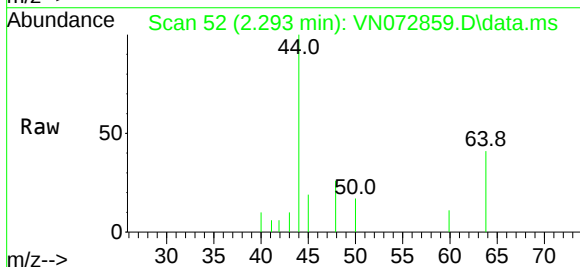


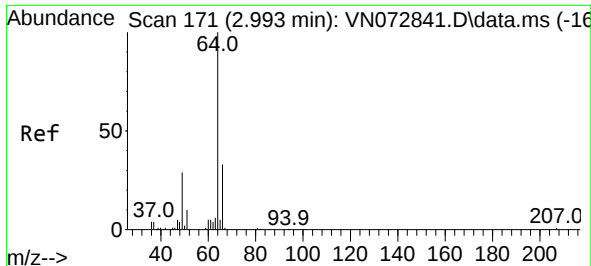
Tgt Ion:168 Resp: 302998
Ion Ratio Lower Upper
168 100
99 63.6 42.3 63.5#



#3
Chloromethane
Concen: Below Cal
RT: 2.293 min Scan# 52
Delta R.T. -0.000 min
Lab File: VN072859.D
Acq: 15 Jun 2022 03:07

Tgt Ion: 50 Resp: 713
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

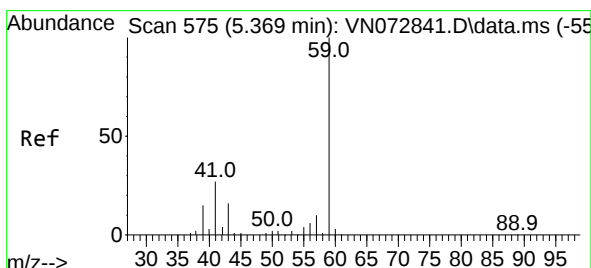
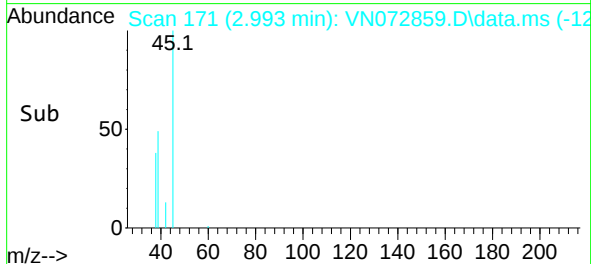
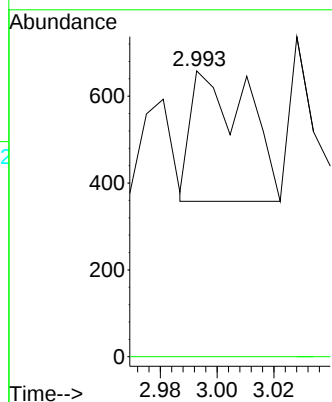
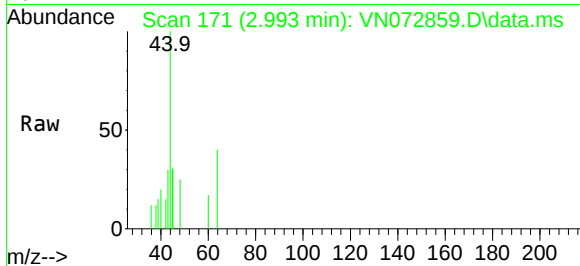




#6
Chloroethane
Concen: Below Cal
RT: 2.993 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN072859.D
Acq: 15 Jun 2022 03:07

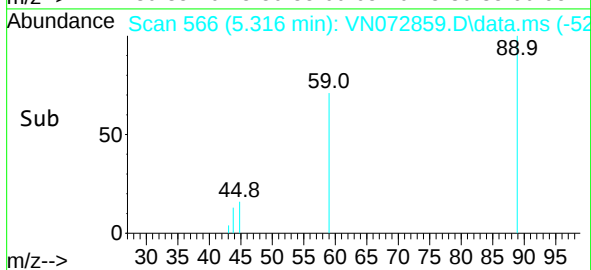
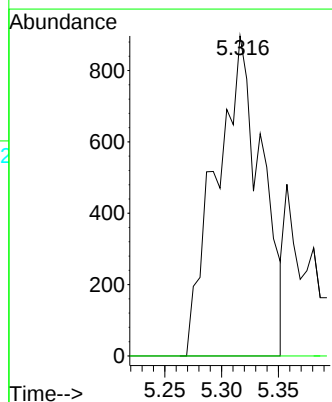
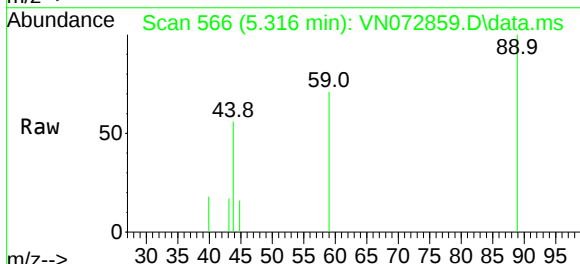
Instrument :
MSVOA_N
ClientSampleId :
PB145494ZHE#11

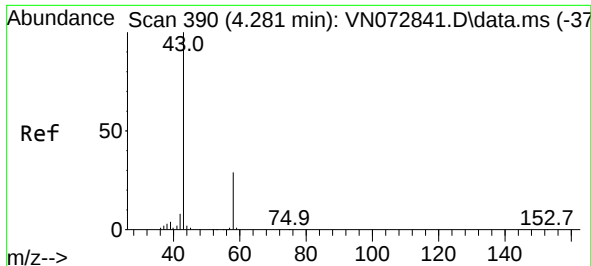
Tgt Ion: 64 Resp: 411
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: 0.443 ug/l
RT: 5.316 min Scan# 566
Delta R.T. -0.053 min
Lab File: VN072859.D
Acq: 15 Jun 2022 03:07

Tgt Ion: 59 Resp: 2519
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

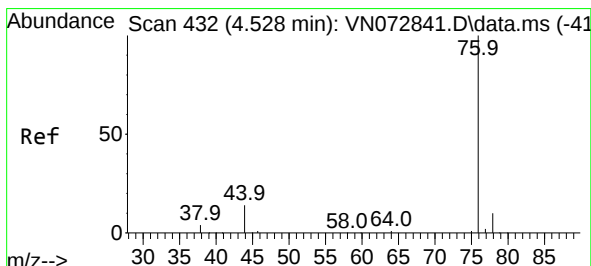
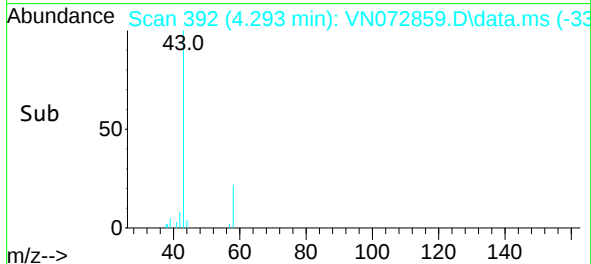
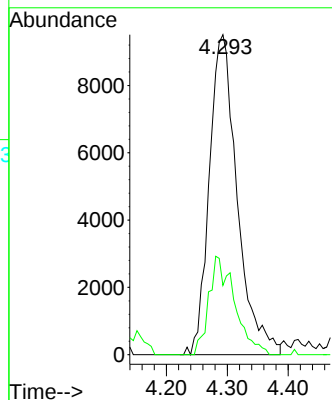
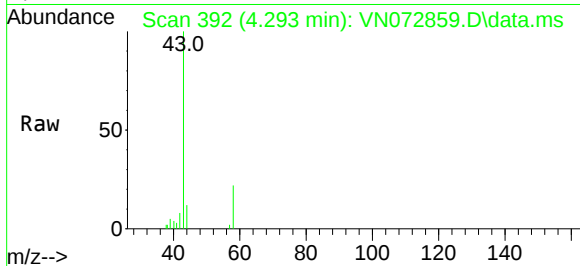




#16
Acetone
Concen: 11.561 ug/l
RT: 4.293 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN072859.D
Acq: 15 Jun 2022 03:07

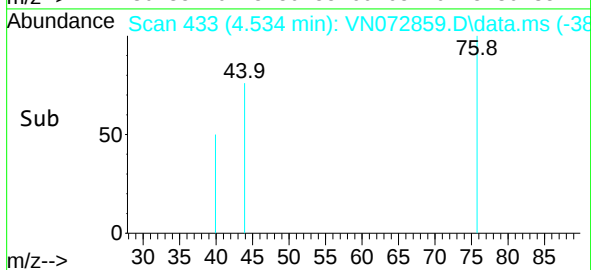
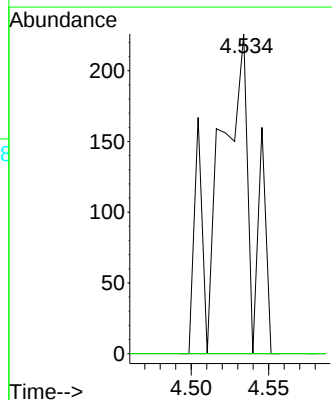
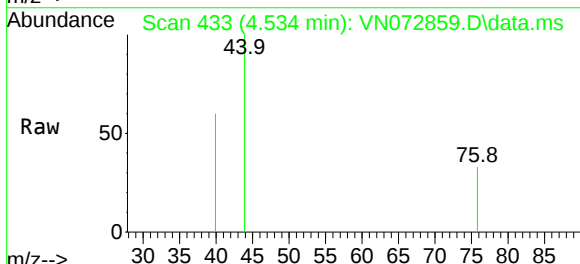
Instrument :
MSVOA_N
ClientSampleId :
PB145494ZHE#11

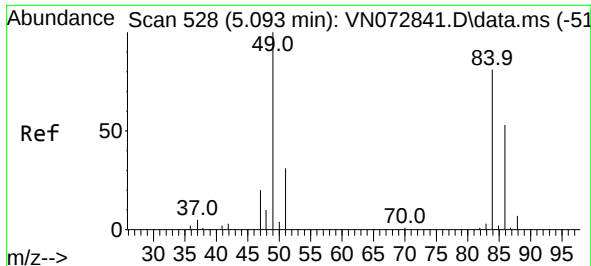
Tgt Ion: 43 Resp: 30322
Ion Ratio Lower Upper
43 100
58 21.6 26.0 39.0#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.534 min Scan# 433
Delta R.T. 0.006 min
Lab File: VN072859.D
Acq: 15 Jun 2022 03:07

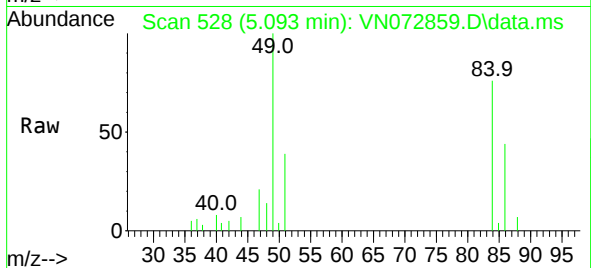
Tgt Ion: 76 Resp: 359
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



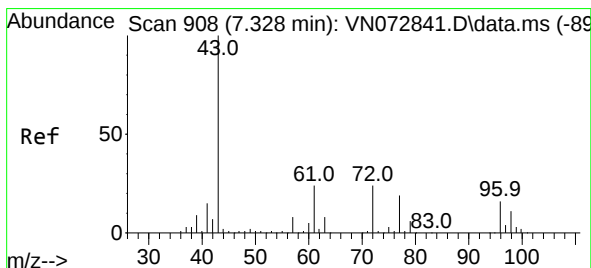
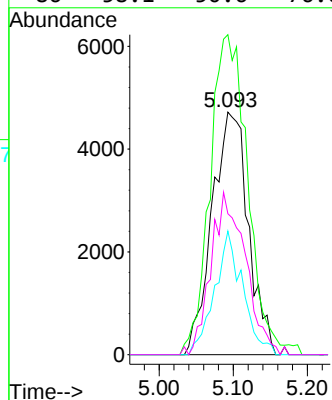


#20
Methylene Chloride
Concen: 3.108 ug/l
RT: 5.093 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN072859.D
Acq: 15 Jun 2022 03:07

Instrument :
MSVOA_N
ClientSampleId :
PB145494ZHE#11

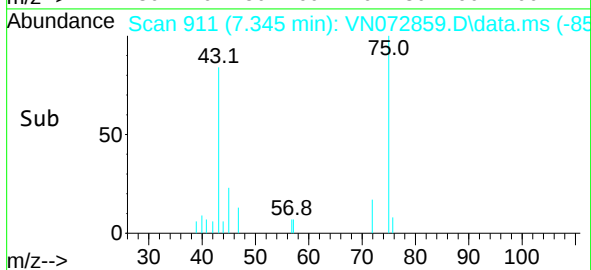
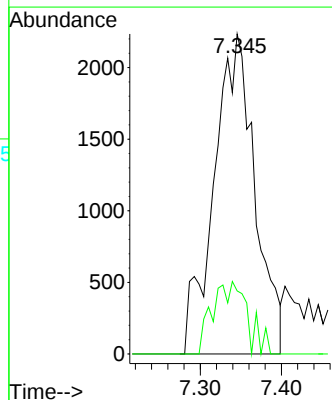
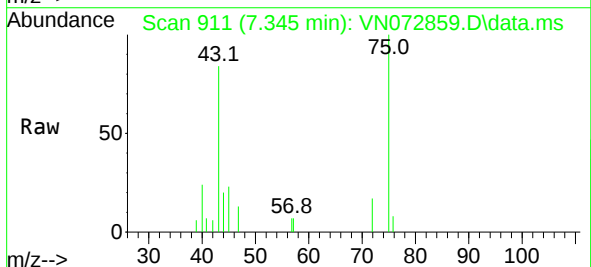


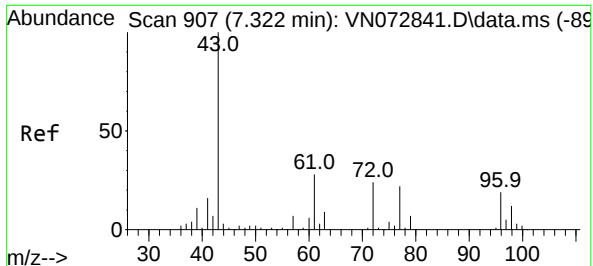
Tgt Ion:	84	Resp:	16037
Ion	Ratio	Lower	Upper
84	100		
49	131.9	88.3	132.5
51	50.9	28.2	42.2#
86	58.1	50.6	76.0



#25
2-Butanone
Concen: 1.885 ug/l
RT: 7.345 min Scan# 911
Delta R.T. 0.017 min
Lab File: VN072859.D
Acq: 15 Jun 2022 03:07

Tgt Ion:	43	Resp:	7833
Ion	Ratio	Lower	Upper
43	100		
72	19.7	23.7	35.5#





#26

2,2-Dichloropropane

Concen: 0.305 ug/l

RT: 7.304 min Scan# 907

Delta R.T. -0.018 min

Lab File: VN072859.D

Acq: 15 Jun 2022 03:07

Instrument :

MSVOA_N

ClientSampleId :

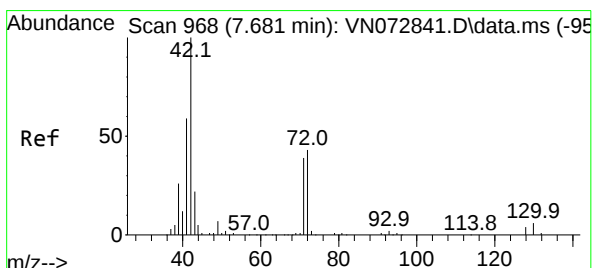
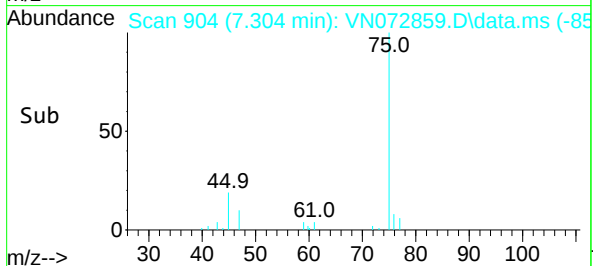
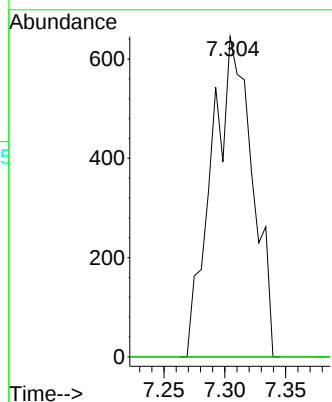
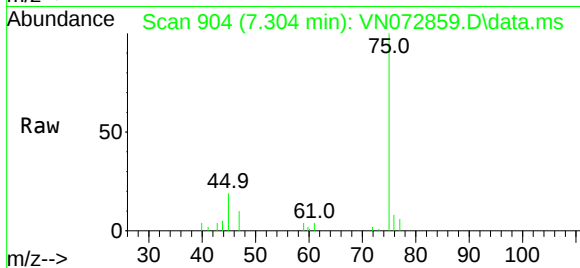
PB145494ZHE#11

Tgt Ion: 77 Resp: 1498

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#



#29

Tetrahydrofuran

Concen: 0.386 ug/l

RT: 7.698 min Scan# 971

Delta R.T. 0.017 min

Lab File: VN072859.D

Acq: 15 Jun 2022 03:07

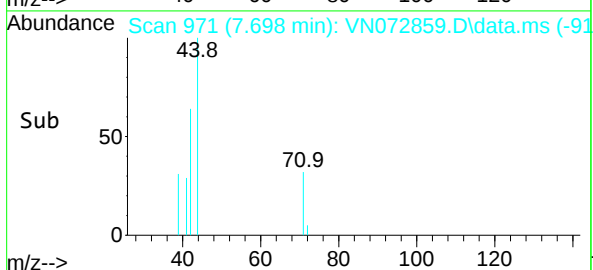
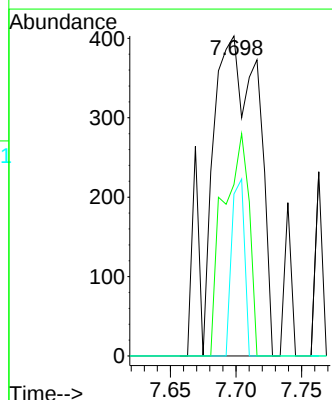
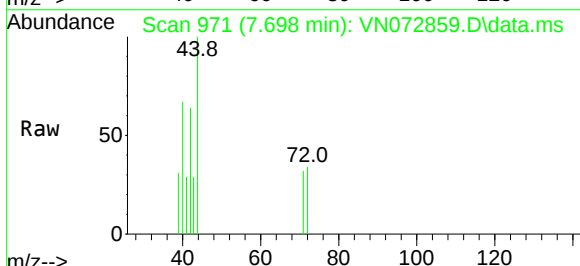
Tgt Ion: 42 Resp: 1023

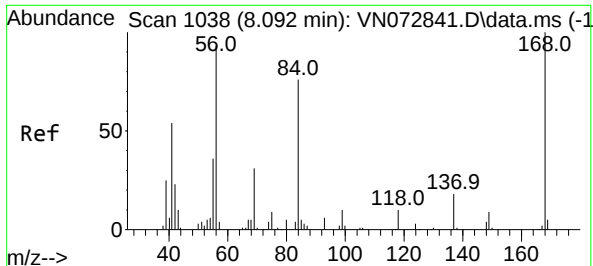
Ion Ratio Lower Upper

42 100

72 37.2 39.7 59.5#

71 14.8 36.6 55.0#





#31

Cyclohexane

Concen: Below Cal

RT: 8.081 min Scan# 1036

Delta R.T. -0.011 min

Lab File: VN072859.D

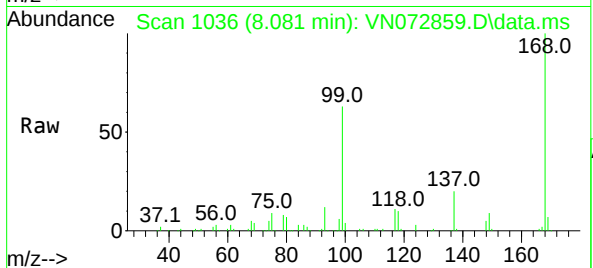
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Instrument :

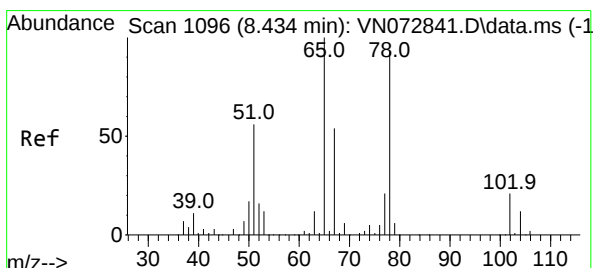
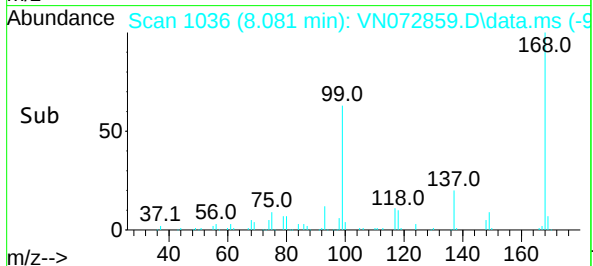
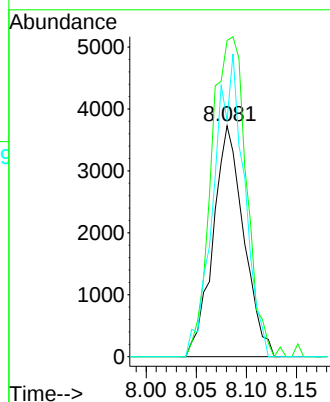
MSVOA_N

ClientSampleId :

PB145494ZHE#11



Tgt Ion:	56	Resp:	7944
Ion Ratio	Lower	Upper	
56	100		
69	136.9	27.8	41.8#
84	102.6	76.9	115.3



#33

1,2-Dichloroethane-d4

Concen: 43.037 ug/l

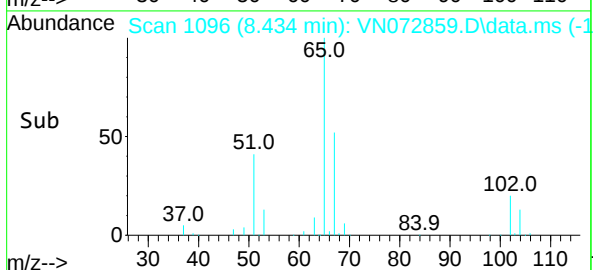
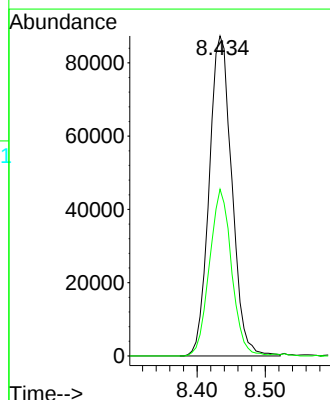
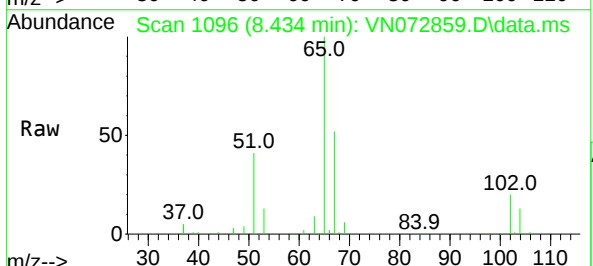
RT: 8.434 min Scan# 1096

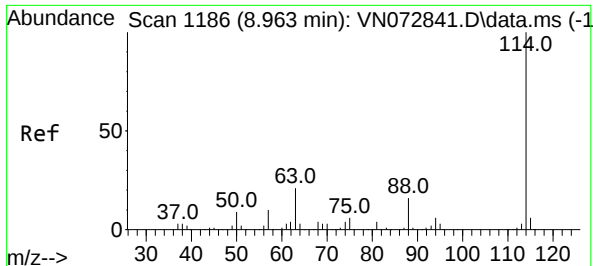
Delta R.T. -0.000 min

Lab File: VN072859.D

Acq: 15 Jun 2022 03:07

Tgt Ion:	65	Resp:	201962
Ion Ratio	Lower	Upper	
65	100		
67	50.8	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: VN072859.D

Acq: 15 Jun 2022 03:07

Instrument :

MSVOA_N

ClientSampleId :

PB145494ZHE#11

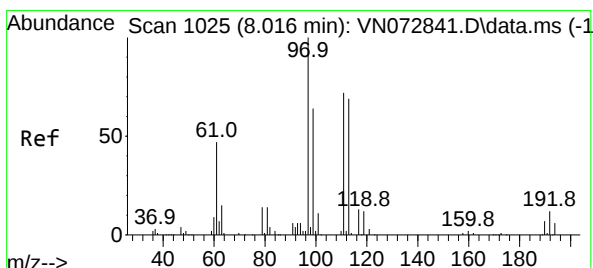
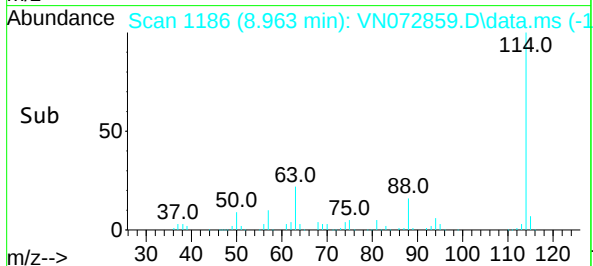
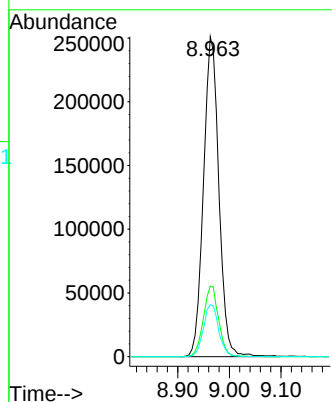
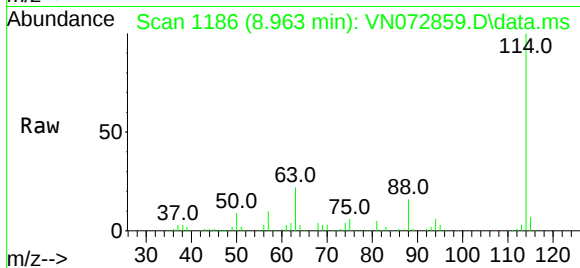
Tgt Ion:114 Resp: 519194

Ion Ratio Lower Upper

114 100

63 22.0 0.0 40.0

88 16.3 0.0 32.6



#35

Dibromofluoromethane

Concen: 50.998 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.006 min

Lab File: VN072859.D

Acq: 15 Jun 2022 03:07

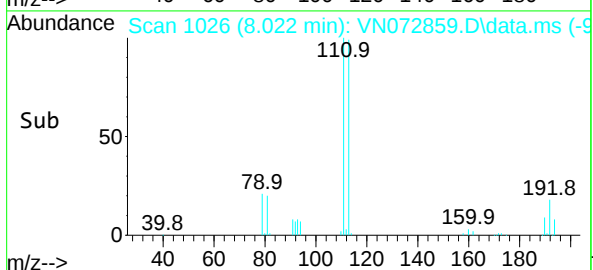
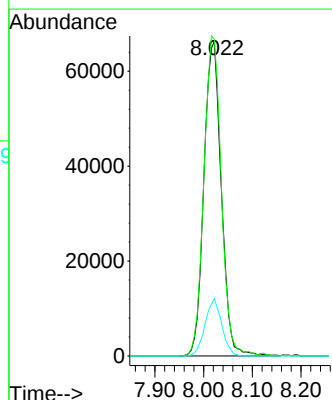
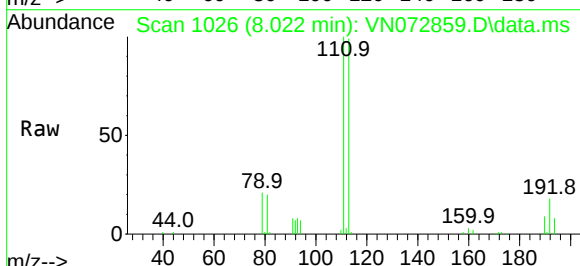
Tgt Ion:113 Resp: 163931

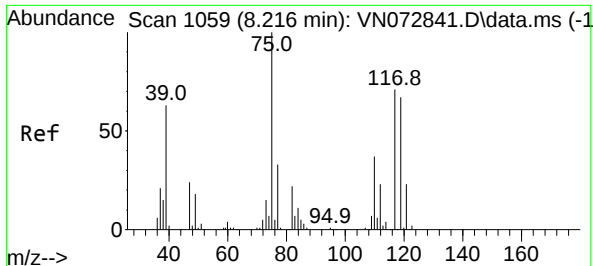
Ion Ratio Lower Upper

113 100

111 101.9 81.4 122.0

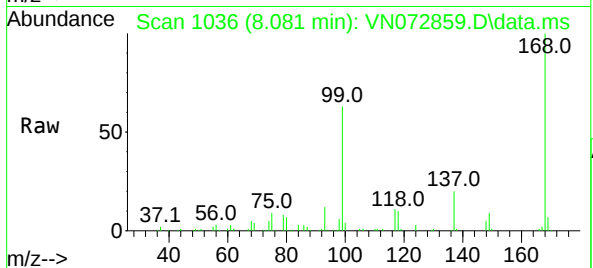
192 17.4 17.0 25.6



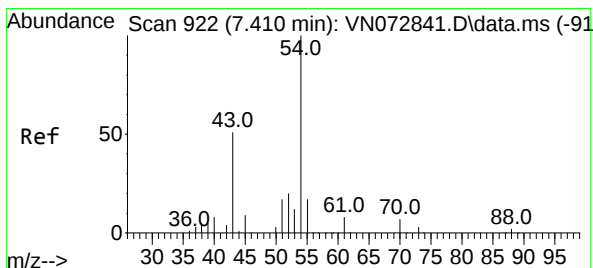
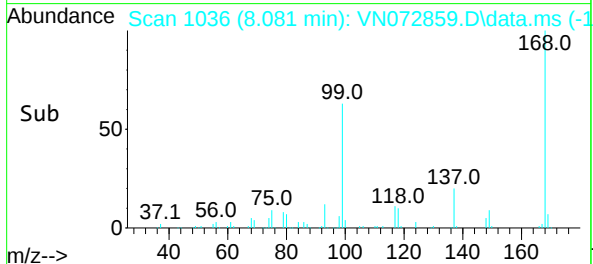
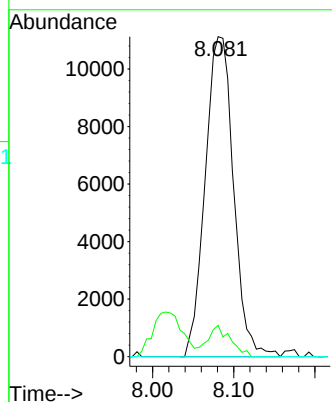


#36
1,1-Dichloropropene
Concen: 6.284 ug/l
RT: 8.081 min Scan# 1059
Delta R.T. -0.135 min
Lab File: VN072859.D
Acq: 15 Jun 2022 03:07

Instrument :
MSVOA_N
ClientSampleId :
PB145494ZHE#11

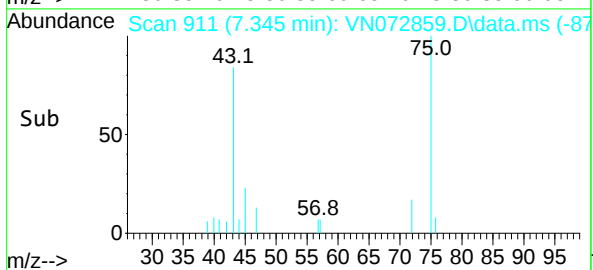
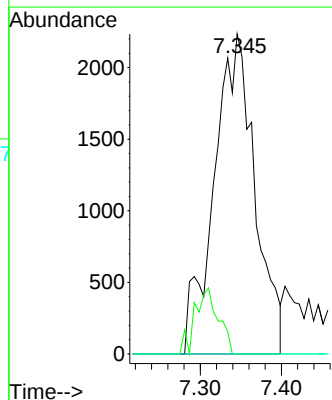
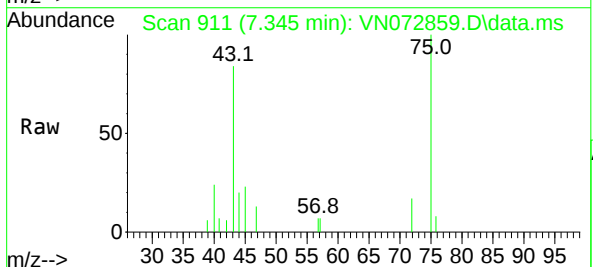


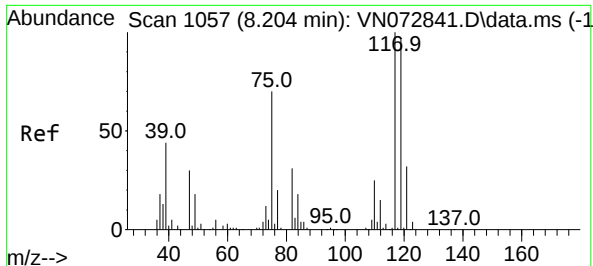
Tgt Ion: 75 Resp: 26979
Ion Ratio Lower Upper
75 100
110 7.6 18.3 54.8#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 1.081 ug/l
RT: 7.345 min Scan# 911
Delta R.T. -0.065 min
Lab File: VN072859.D
Acq: 15 Jun 2022 03:07

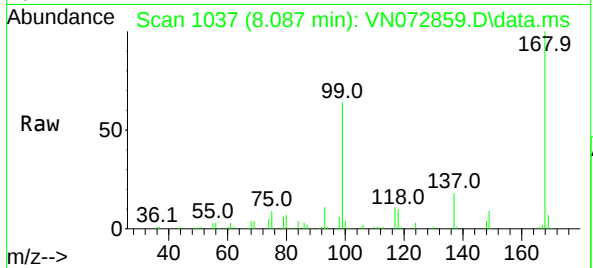
Tgt Ion: 43 Resp: 7833
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 0.0 9.3 13.9#



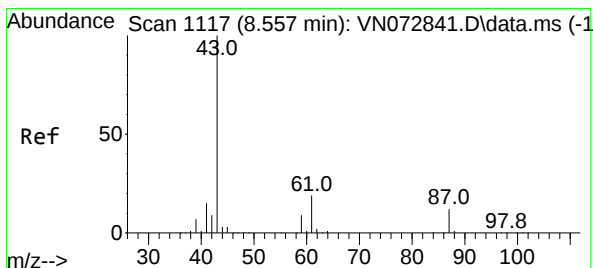
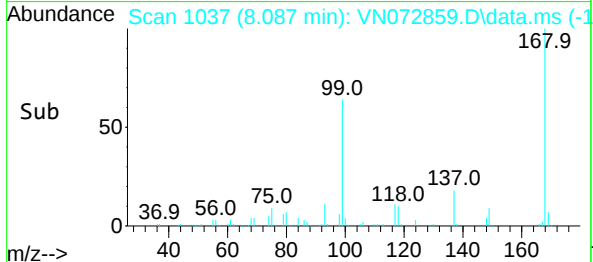
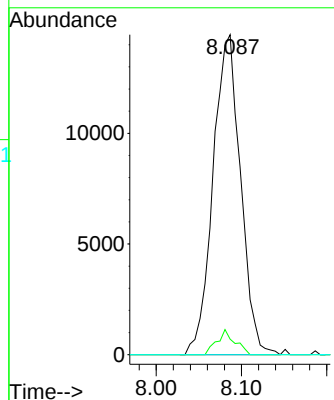


#38
Carbon Tetrachloride
Concen: 7.572 ug/l
RT: 8.087 min Scan# 1117
Delta R.T. -0.117 min
Lab File: VN072859.D
Acq: 15 Jun 2022 03:07

Instrument :
MSVOA_N
ClientSampleId :
PB145494ZHE#11

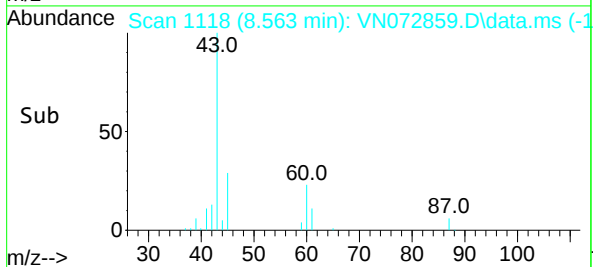
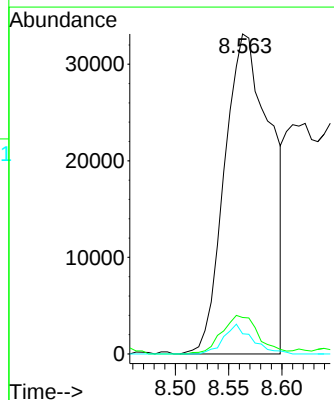
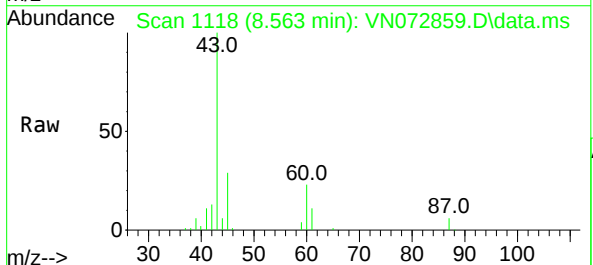


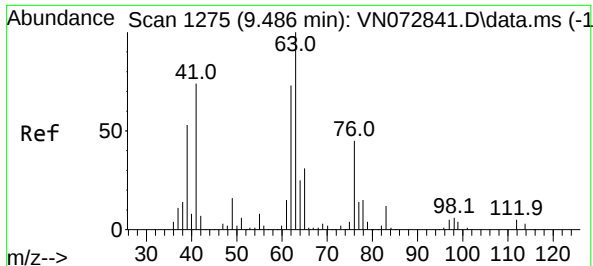
Tgt Ion:117 Resp: 32450
Ion Ratio Lower Upper
117 100
119 4.9 75.8 113.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 9.333 ug/l
RT: 8.563 min Scan# 1118
Delta R.T. 0.006 min
Lab File: VN072859.D
Acq: 15 Jun 2022 03:07

Tgt Ion: 43 Resp: 99593
Ion Ratio Lower Upper
43 100
61 9.6 21.9 32.9#
87 5.7 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.874 ug/l

RT: 9.622 min Scan# 1298

Delta R.T. 0.136 min

Lab File: VN072859.D

Acq: 15 Jun 2022 03:07

Instrument :

MSVOA_N

ClientSampleId :

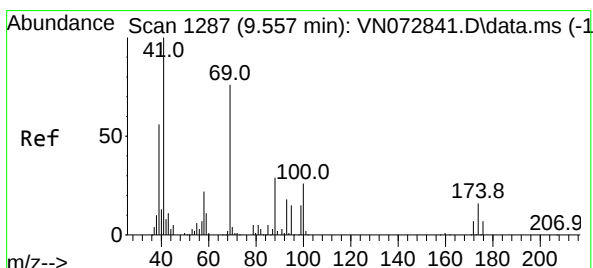
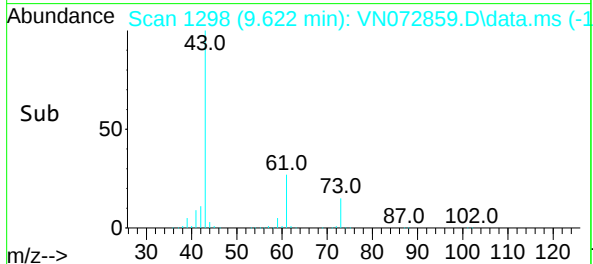
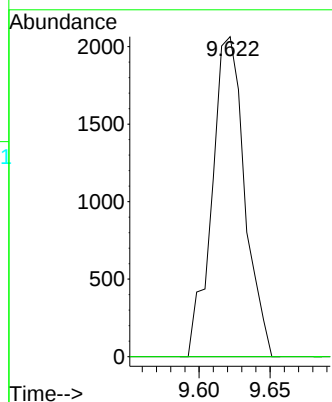
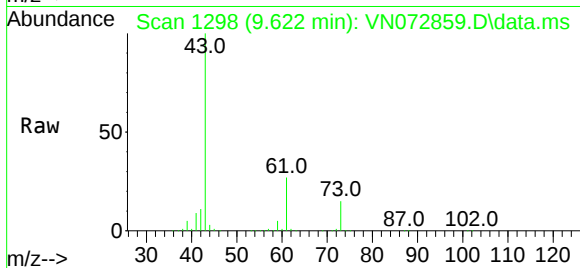
PB145494ZHE#11

Tgt Ion: 63 Resp: 3302

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#



#48

Methyl methacrylate

Concen: 3.051 ug/l

RT: 9.545 min Scan# 1285

Delta R.T. -0.012 min

Lab File: VN072859.D

Acq: 15 Jun 2022 03:07

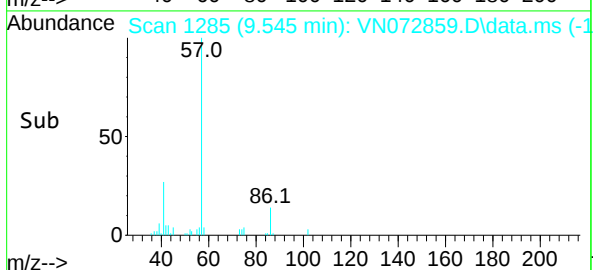
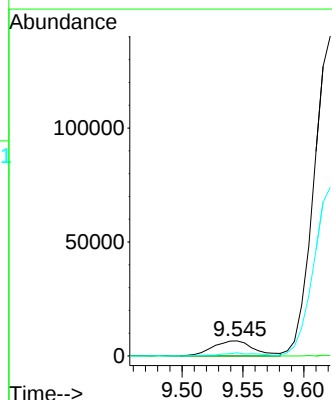
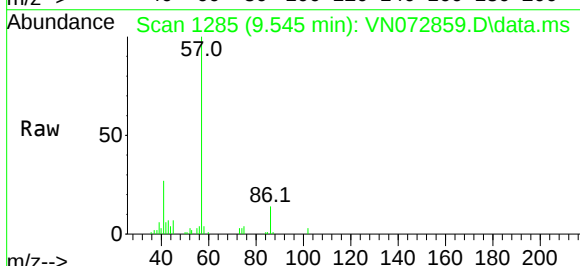
Tgt Ion: 41 Resp: 15522

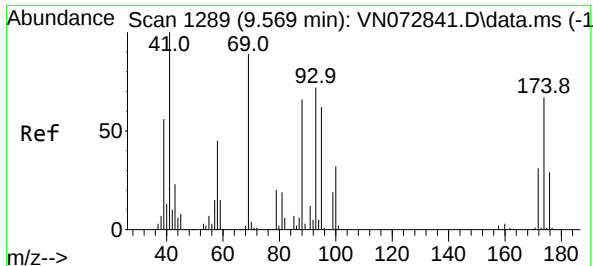
Ion Ratio Lower Upper

41 100

69 0.0 74.7 112.1#

39 0.0 45.6 68.4#





#49

1,4-Dioxane

Concen: 3.334 ug/l

RT: 9.616 min Scan# 1297

Delta R.T. 0.047 min

Lab File: VN072859.D

Acq: 15 Jun 2022 03:07

Instrument :

MSVOA_N

ClientSampleId :

PB145494ZHE#11

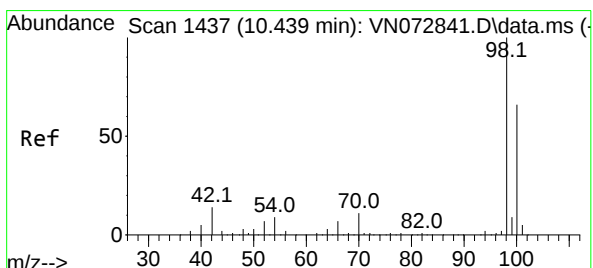
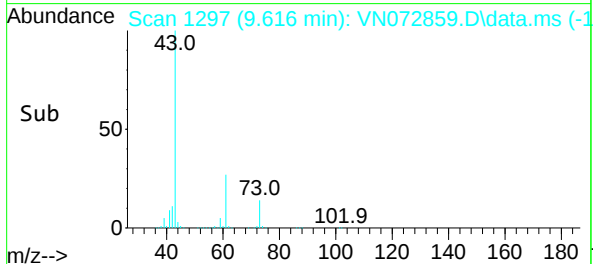
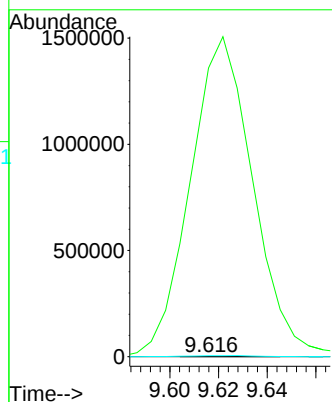
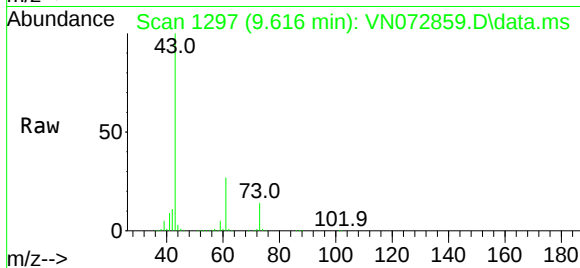
Tgt Ion: 88 Resp: 344

Ion Ratio Lower Upper

88 100

43 796488.4 20.2 30.4#

58 2984.0 54.2 81.4#



#50

Toluene-d8

Concen: 43.886 ug/l

RT: 10.439 min Scan# 1437

Delta R.T. 0.000 min

Lab File: VN072859.D

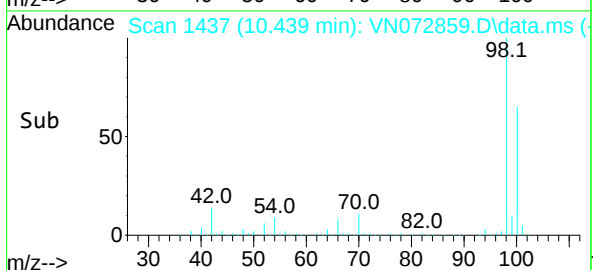
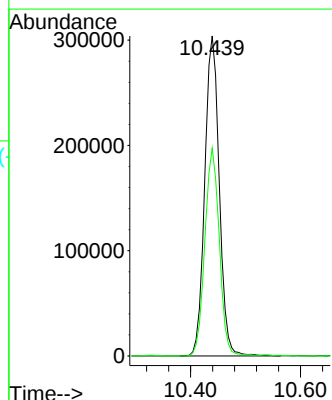
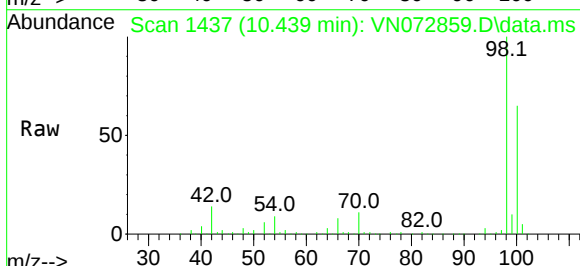
Acq: 15 Jun 2022 03:07

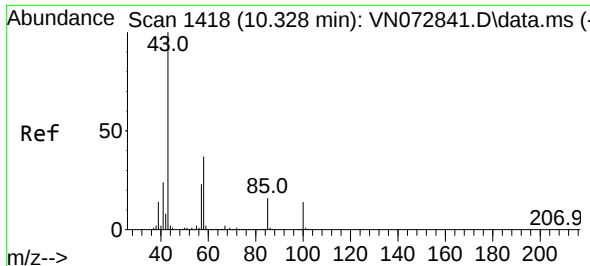
Tgt Ion: 98 Resp: 556724

Ion Ratio Lower Upper

98 100

100 64.9 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 1.621 ug/l

RT: 10.328 min Scan# 1418

Delta R.T. -0.000 min

Lab File: VN072859.D

Acq: 15 Jun 2022 03:07

Instrument :

MSVOA_N

ClientSampleId :

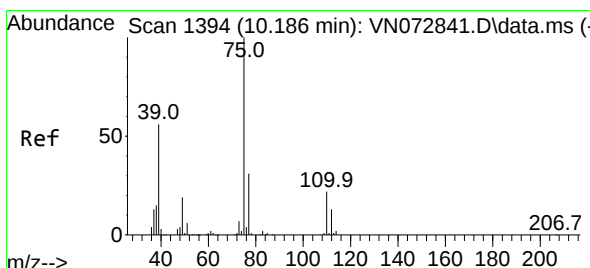
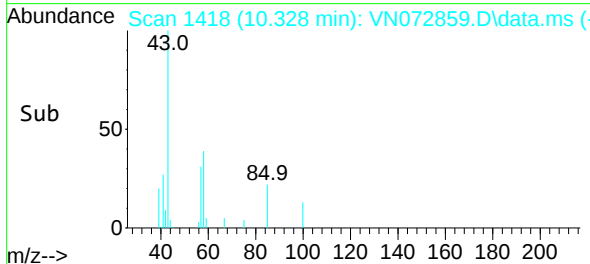
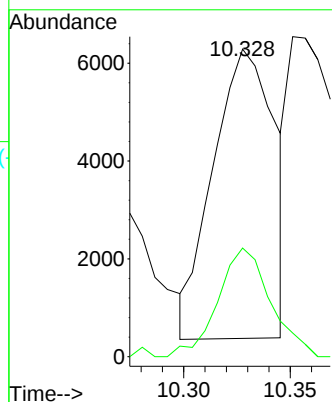
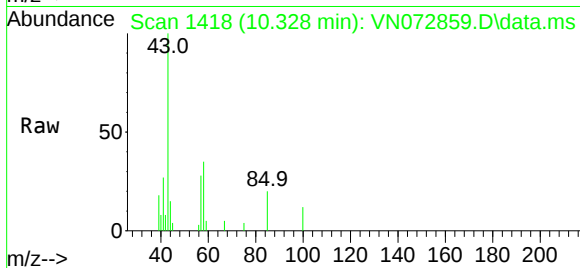
PB145494ZHE#11

Tgt Ion: 43 Resp: 11860

Ion Ratio Lower Upper

43 100

58 32.2 34.1 51.1#



#54

cis-1,3-Dichloropropene

Concen: 12.814 ug/l

RT: 10.239 min Scan# 1403

Delta R.T. 0.053 min

Lab File: VN072859.D

Acq: 15 Jun 2022 03:07

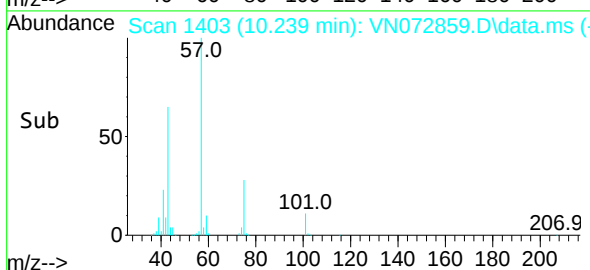
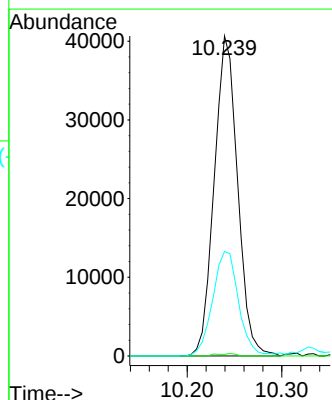
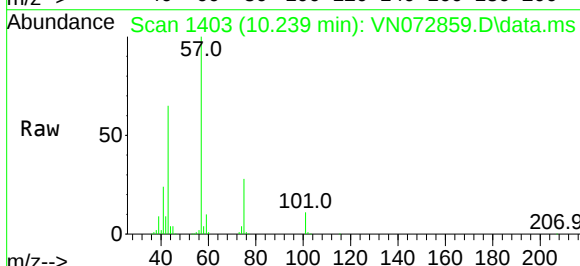
Tgt Ion: 75 Resp: 69736

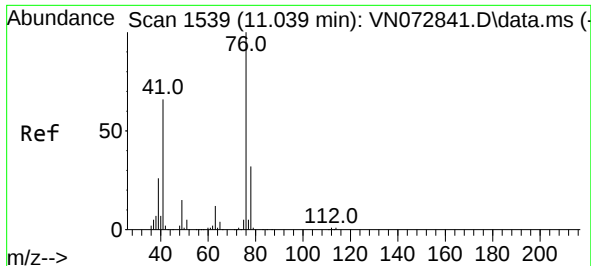
Ion Ratio Lower Upper

75 100

77 0.5 25.2 37.8#

39 32.7 35.7 53.5#





#57

1,3-Dichloropropane

Concen: 6.447 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.047 min

Lab File: VN072859.D

Acq: 15 Jun 2022 03:07

Instrument :

MSVOA_N

ClientSampleId :

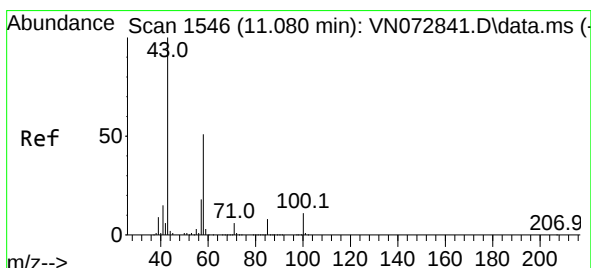
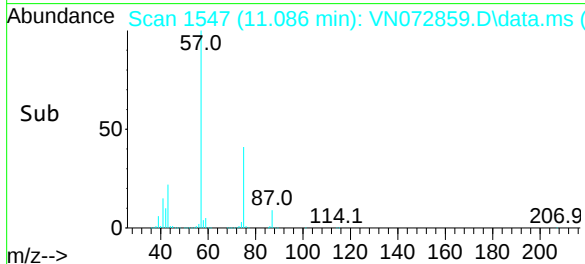
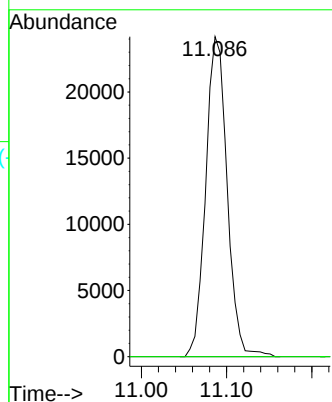
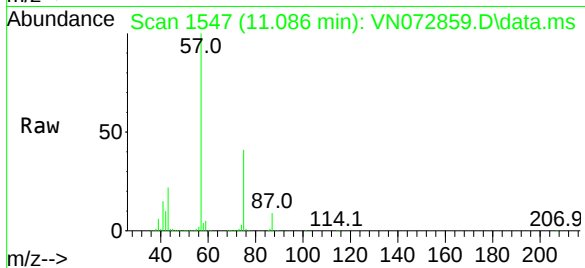
PB145494ZHE#11

Tgt Ion: 76 Resp: 42168

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#



#59

2-Hexanone

Concen: 122.582 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.006 min

Lab File: VN072859.D

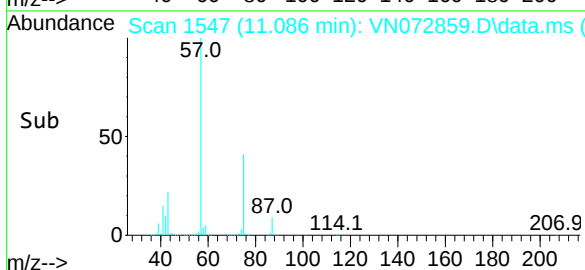
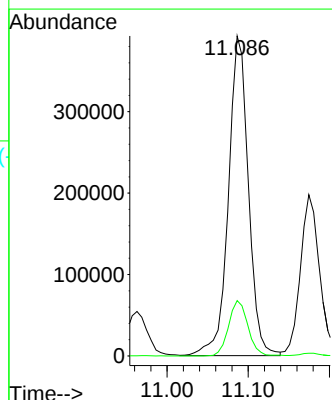
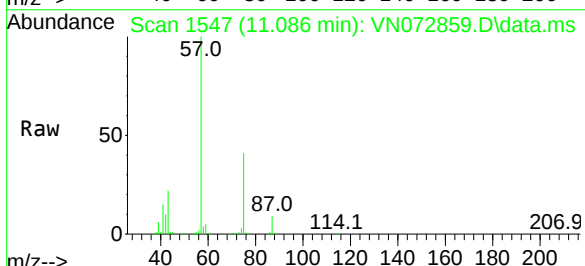
Acq: 15 Jun 2022 03:07

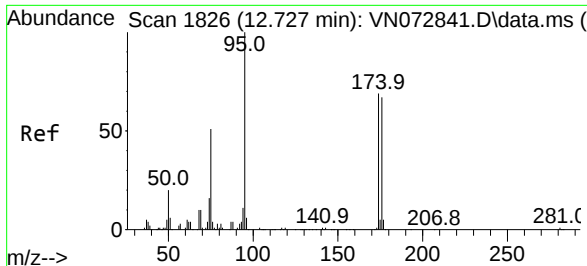
Tgt Ion: 43 Resp: 673165

Ion Ratio Lower Upper

43 100

58 16.8 29.7 89.1#

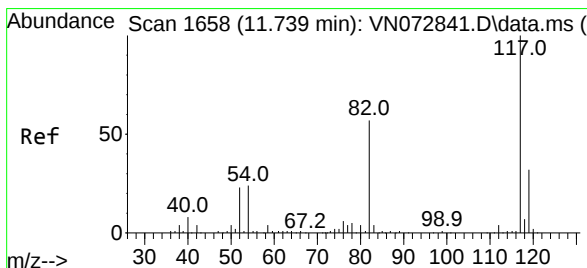
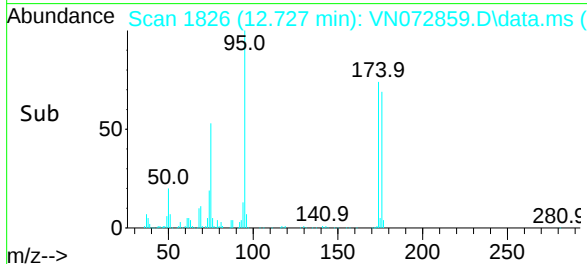
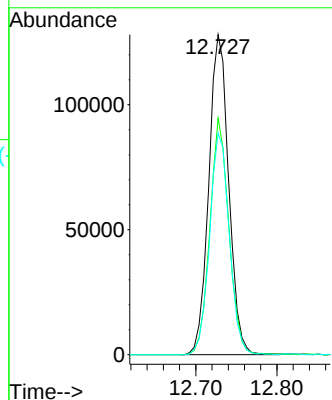
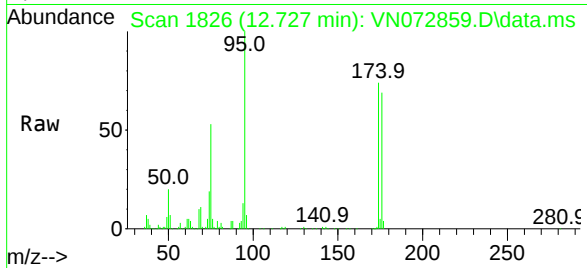




#62
4-Bromofluorobenzene
Concen: 51.206 ug/l
RT: 12.727 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN072859.D
Acq: 15 Jun 2022 03:07

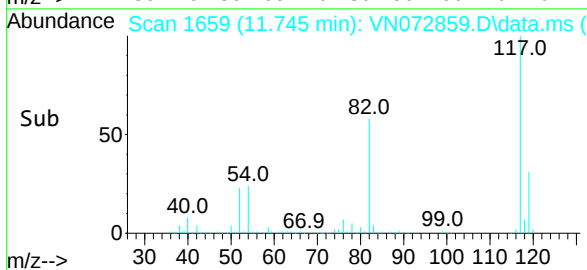
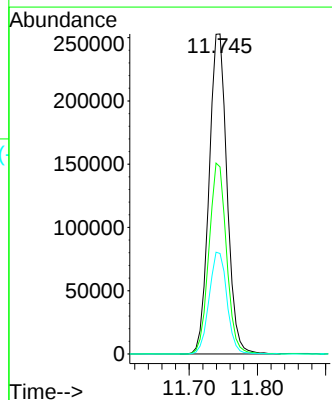
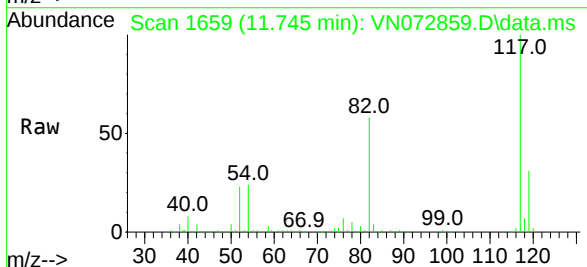
Instrument :
MSVOA_N
ClientSampleId :
PB145494ZHE#11

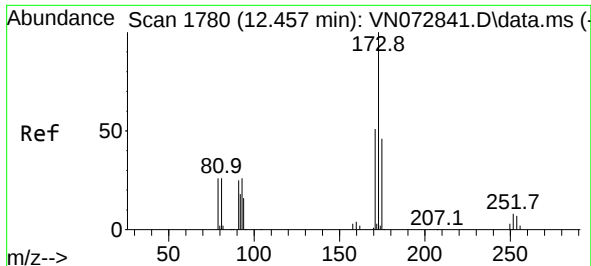
Tgt Ion: 95 Resp: 218054
Ion Ratio Lower Upper
95 100
174 70.7 0.0 167.6
176 68.3 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.745 min Scan# 1659
Delta R.T. 0.006 min
Lab File: VN072859.D
Acq: 15 Jun 2022 03:07

Tgt Ion: 117 Resp: 462642
Ion Ratio Lower Upper
117 100
82 58.5 44.2 66.2
119 31.4 25.4 38.0

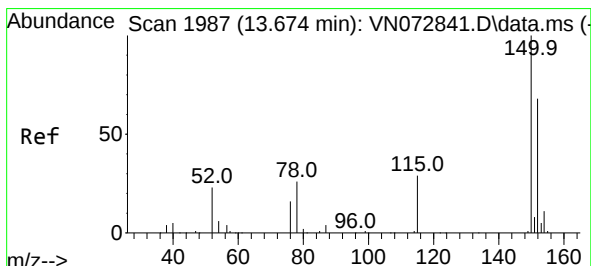
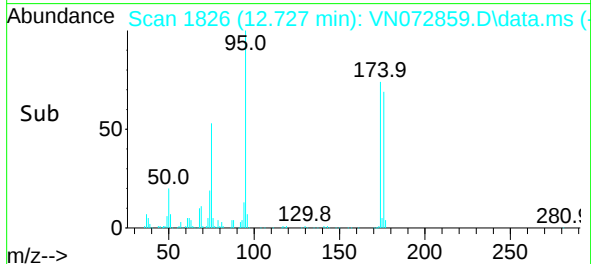
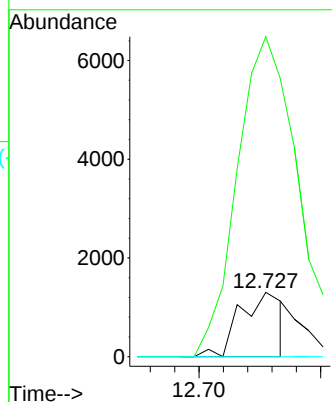
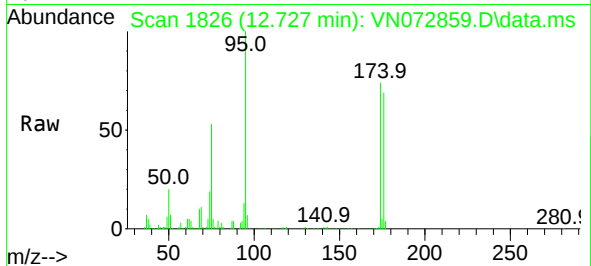




#71
Bromoform
Concen: 0.623 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.270 min
Lab File: VN072859.D
Acq: 15 Jun 2022 03:07

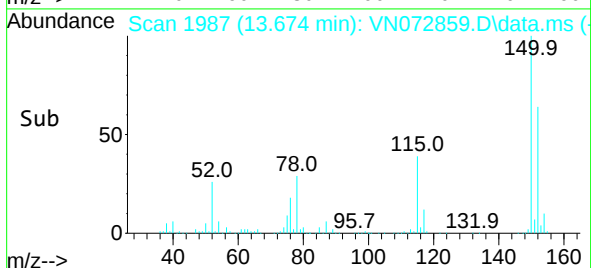
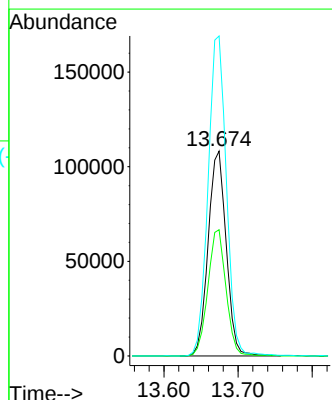
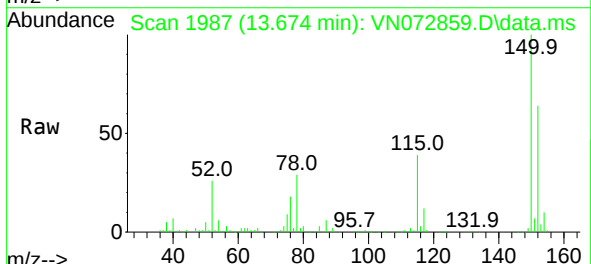
Instrument :
MSVOA_N
ClientSampleId :
PB145494ZHE#11

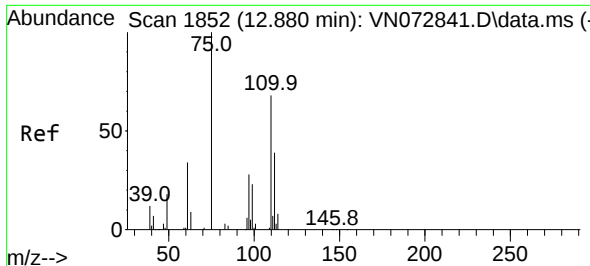
Tgt Ion:173 Resp: 1572
Ion Ratio Lower Upper
173 100
175 532.1 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.000 min
Lab File: VN072859.D
Acq: 15 Jun 2022 03:07

Tgt Ion:152 Resp: 183712
Ion Ratio Lower Upper
152 100
115 61.8 28.9 86.7
150 158.3 0.0 356.2

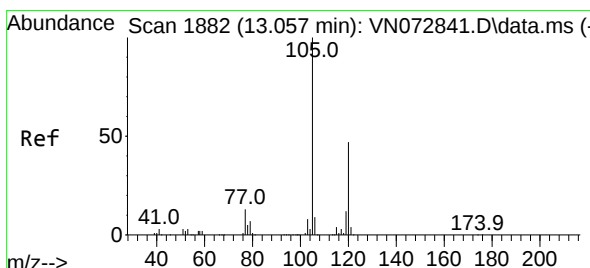
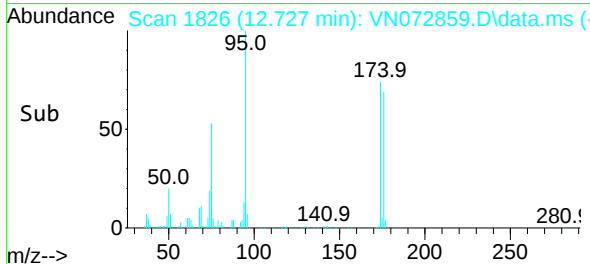
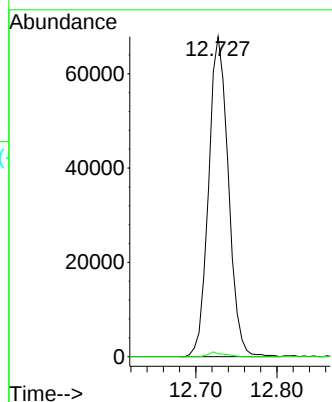
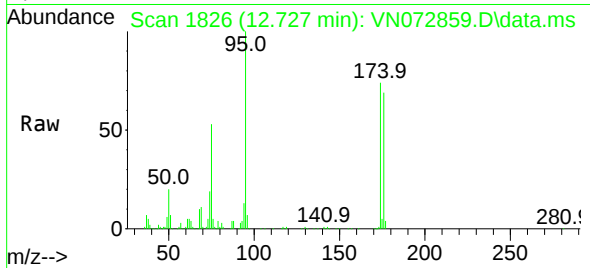




#76
 1,2,3-Trichloropropane
 Concen: 21.684 ug/l
 RT: 12.727 min Scan# 1826
 Delta R.T. -0.153 min
 Lab File: VN072859.D
 Acq: 15 Jun 2022 03:07

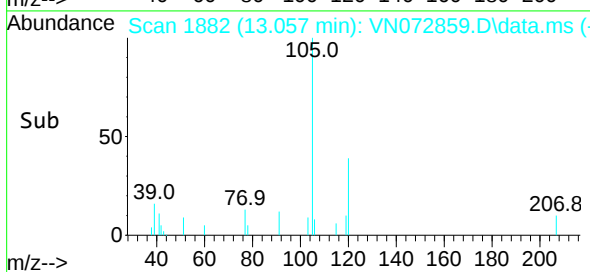
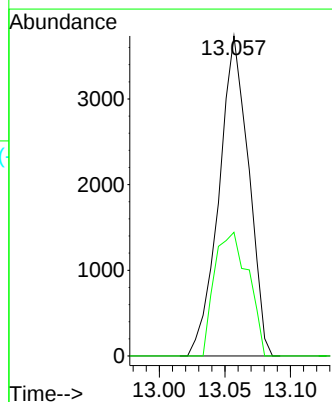
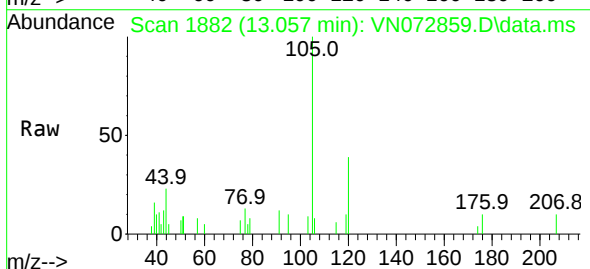
Instrument :
 MSVOA_N
 ClientSampleId :
 PB145494ZHE#11

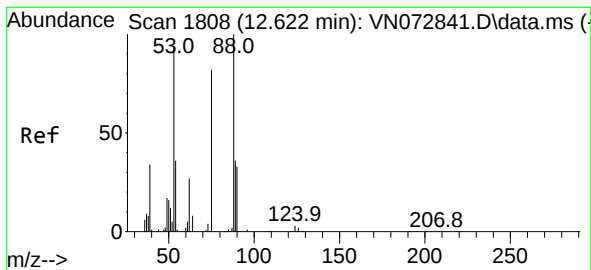
Tgt Ion: 75 Resp: 114903
 Ion Ratio Lower Upper
 75 100
 77 1.2 98.5 295.5#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.438 ug/l
 RT: 13.057 min Scan# 1882
 Delta R.T. -0.000 min
 Lab File: VN072859.D
 Acq: 15 Jun 2022 03:07

Tgt Ion:105 Resp: 5883
 Ion Ratio Lower Upper
 105 100
 120 44.0 24.9 74.7





#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.434 ug/l
 RT: 12.727 min Scan# 11
 Delta R.T. 0.105 min
 Lab File: VN072859.D
 Acq: 15 Jun 2022 03:07

Instrument :
 MSVOA_N
 ClientSampleId :
 PB145494ZHE#11

Tgt Ion: 75 Resp: 114903
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.1 37.2 55.8#

