

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042522\
 Data File : VN072181.D
 Acq On : 25 Apr 2022 15:51
 Operator : JC\MD
 Sample : PB144332TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB144332TB

Quant Time: Apr 26 05:39:40 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)

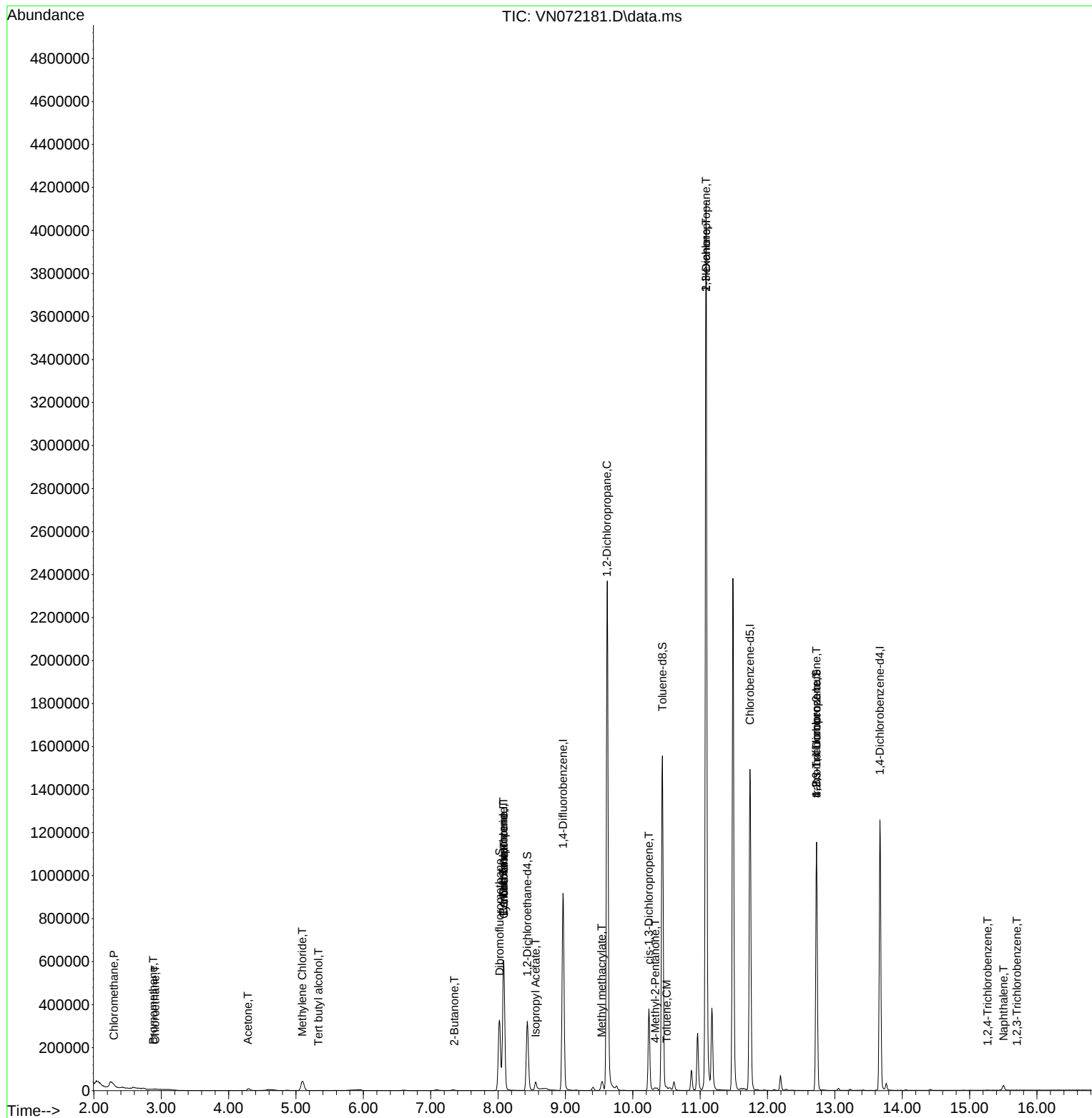
Internal Standards						
1) Pentafluorobenzene	8.080	168	521611	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	891653	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	990353	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	375593	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	260976	43.826	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	87.660%		
35) Dibromofluoromethane	8.022	113	253318	48.280	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.560%		
50) Toluene-d8	10.439	98	1159219	54.008	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	108.020%		
62) 4-Bromofluorobenzene	12.727	95	406881	58.614	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	117.220%		
Target Compounds						Qvalue
3) Chloromethane	2.298	50	1403	0.267	ug/l #	79
5) Bromomethane	2.881	94	1135	0.303	ug/l #	60
6) Chloroethane	2.910	64	940	0.226	ug/l #	68
11) Tert butyl alcohol	5.334	59	293	0.303	ug/l #	72
16) Acetone	4.287	43	15947	6.266	ug/l	95
18) Methyl Acetate	4.863	43	2679	Below Cal	#	72
20) Methylene Chloride	5.092	84	41661	7.767	ug/l	90
25) 2-Butanone	7.351	43	5128	1.398	ug/l	97
31) Cyclohexane	8.086	56	7210	0.890	ug/l #	1
36) 1,1-Dichloropropene	8.080	75	31917	4.356	ug/l #	48
38) Carbon Tetrachloride	8.080	117	44813	6.241	ug/l #	17
43) Isopropyl Acetate	8.557	43	44046	3.302	ug/l	93
45) 1,2-Dichloropropane	9.616	63	3809	0.659	ug/l #	44
48) Methyl methacrylate	9.539	41	10450	1.888	ug/l #	10
49) 1,4-Dioxane	9.622	88	411	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.333	43	8570	1.117	ug/l	96
52) Toluene	10.504	92	3630	0.248	ug/l	92
54) cis-1,3-Dichloropropene	10.239	75	80489	8.994	ug/l #	55
57) 1,3-Dichloropropane	11.086	76	49721	4.939	ug/l #	42
59) 2-Hexanone	11.086	43	546603	101.230	ug/l #	51
76) 1,2,3-Trichloropropane	12.727	75	184220	21.173	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	184220	65.613	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.268	180	583	2.179	ug/l #	79
95) Naphthalene	15.504	128	26782	5.250	ug/l	99
96) 1,2,3-Trichlorobenzene	15.703	180	531	2.501	ug/l #	85

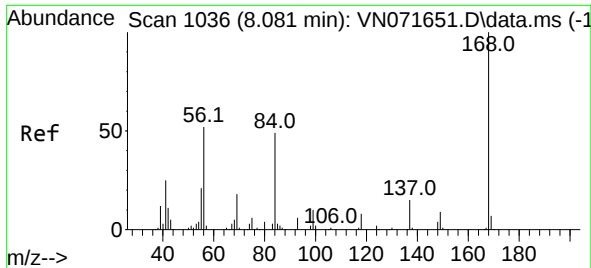
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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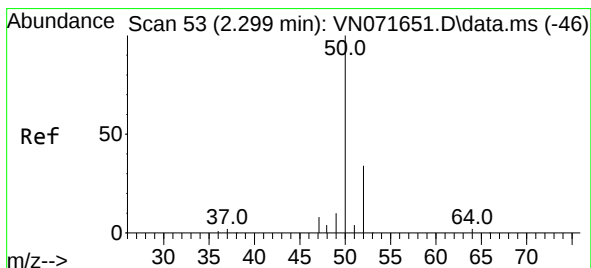
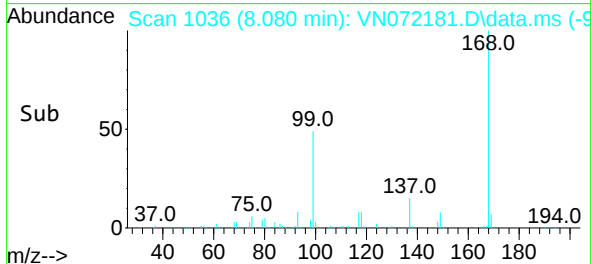
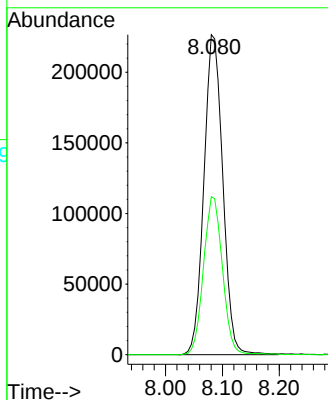
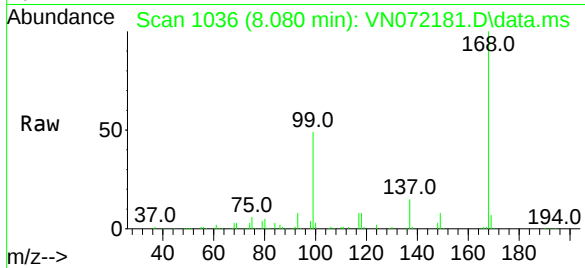




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.001 min
Lab File: VN072181.D
Acq: 25 Apr 2022 15:51

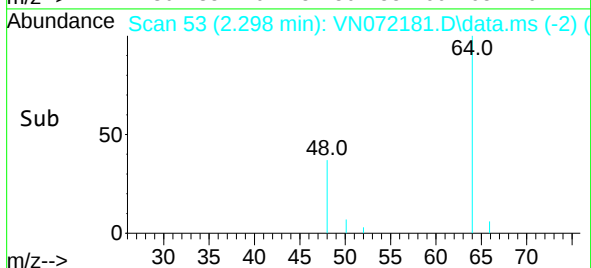
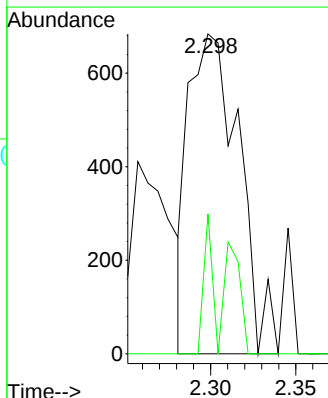
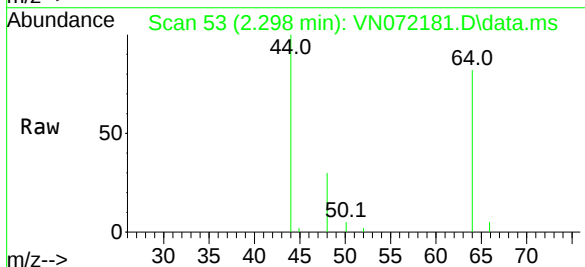
Instrument :
MSVOA_N
ClientSampleId :
PB144332TB

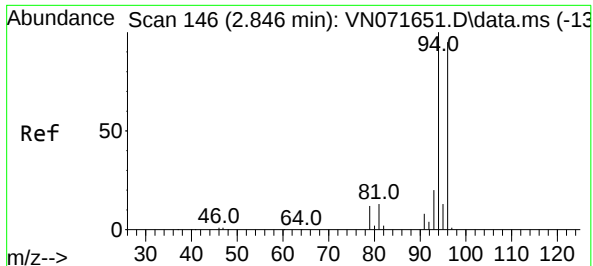
Tgt Ion:168 Resp: 521611
Ion Ratio Lower Upper
168 100
99 49.3 42.3 63.5



#3
Chloromethane
Concen: 0.267 ug/l
RT: 2.298 min Scan# 53
Delta R.T. -0.001 min
Lab File: VN072181.D
Acq: 25 Apr 2022 15:51

Tgt Ion: 50 Resp: 1403
Ion Ratio Lower Upper
50 100
52 43.7 25.7 38.5#

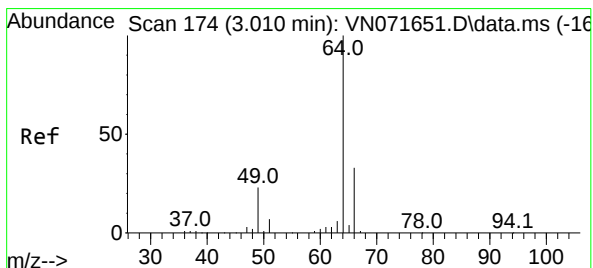
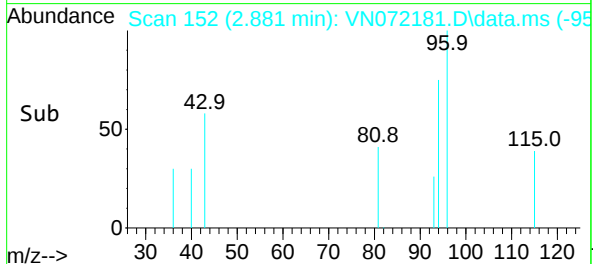
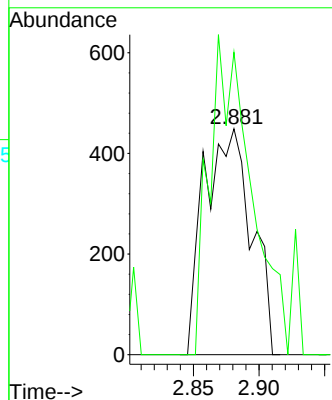
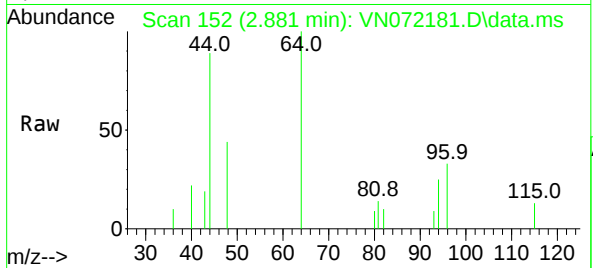




#5
Bromomethane
Concen: 0.303 ug/l
RT: 2.881 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN072181.D
Acq: 25 Apr 2022 15:51

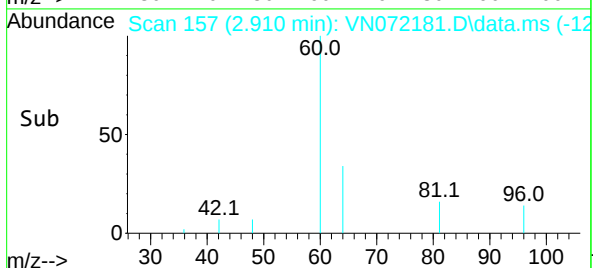
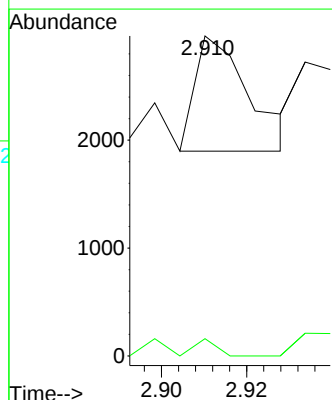
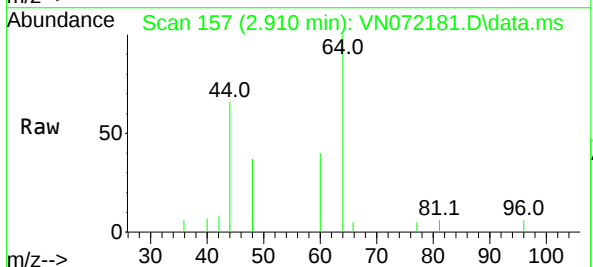
Instrument :
MSVOA_N
ClientSampleId :
PB144332TB

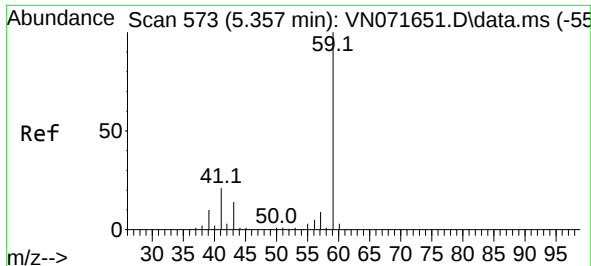
Tgt Ion: 94 Resp: 1135
Ion Ratio Lower Upper
94 100
96 133.9 76.0 114.0#



#6
Chloroethane
Concen: 0.226 ug/l
RT: 2.910 min Scan# 157
Delta R.T. -0.100 min
Lab File: VN072181.D
Acq: 25 Apr 2022 15:51

Tgt Ion: 64 Resp: 940
Ion Ratio Lower Upper
64 100
66 15.0 26.2 39.4#





#11

Tert butyl alcohol

Concen: 0.303 ug/l

RT: 5.334 min Scan# 5

Delta R.T. -0.023 min

Lab File: VN072181.D

Acq: 25 Apr 2022 15:51

Instrument :

MSVOA_N

ClientSampleId :

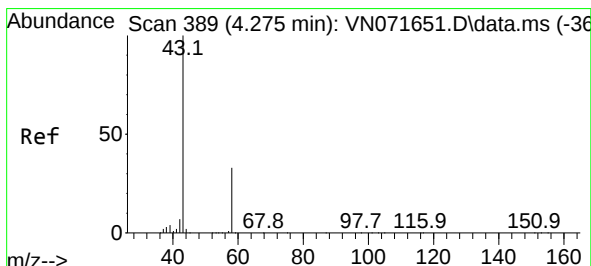
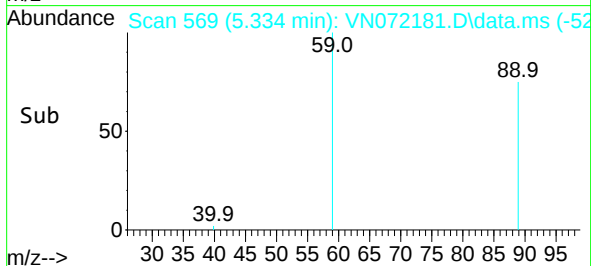
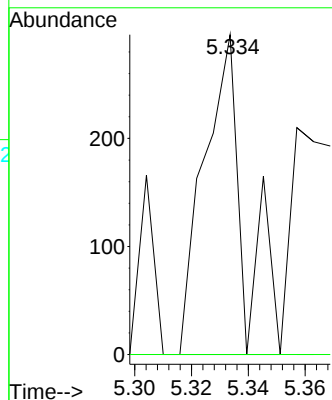
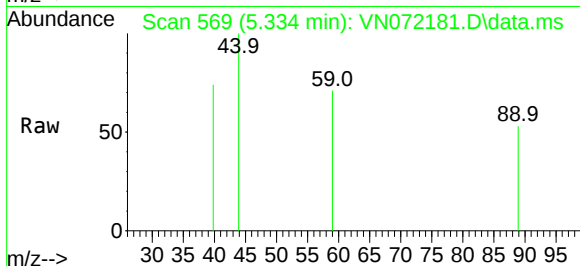
PB144332TB

Tgt Ion: 59 Resp: 293

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 6.266 ug/l

RT: 4.287 min Scan# 391

Delta R.T. 0.012 min

Lab File: VN072181.D

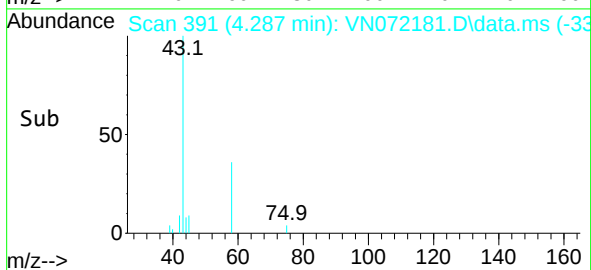
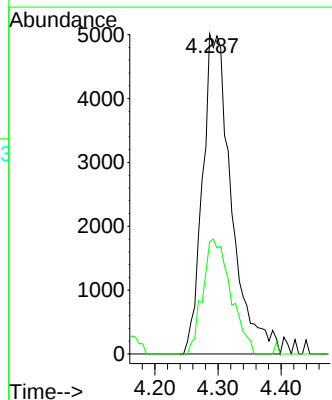
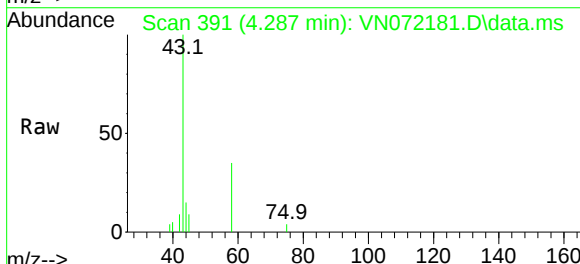
Acq: 25 Apr 2022 15:51

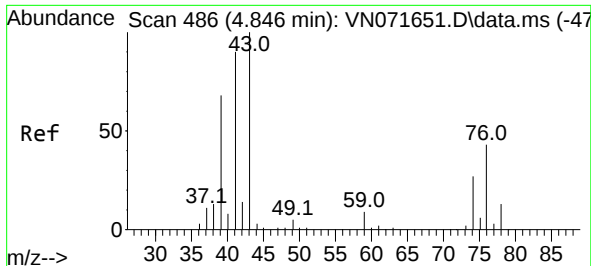
Tgt Ion: 43 Resp: 15947

Ion Ratio Lower Upper

43 100

58 35.1 26.0 39.0

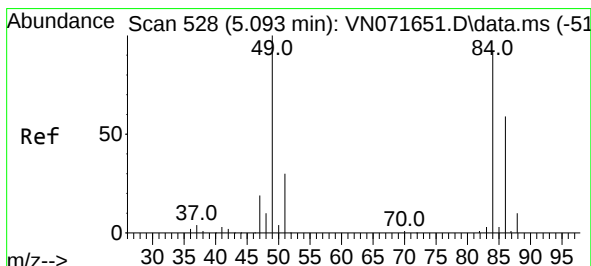
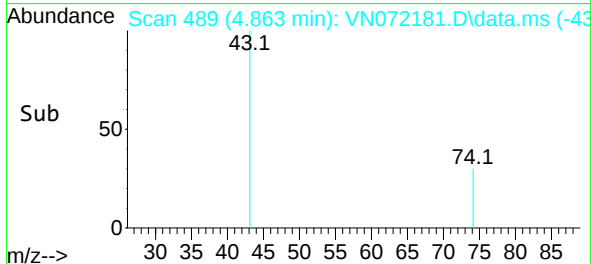
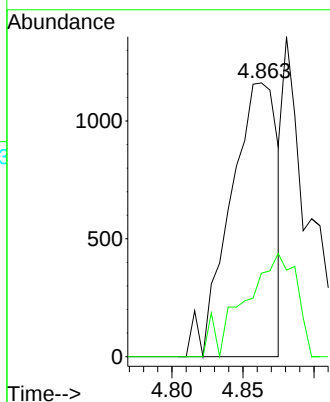
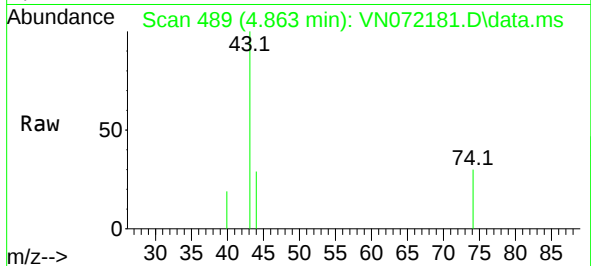




#18
Methyl Acetate
Concen: Below Cal
RT: 4.863 min Scan# 41
Delta R.T. 0.017 min
Lab File: VN072181.D
Acq: 25 Apr 2022 15:51

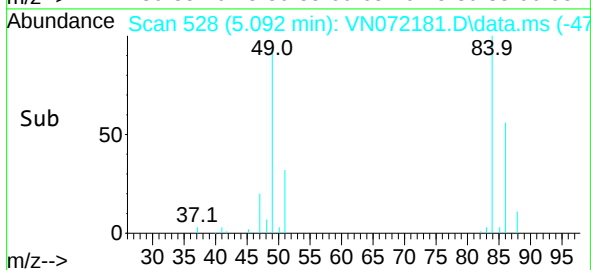
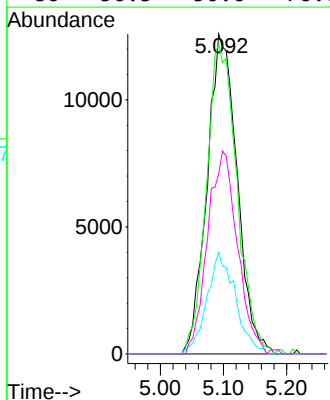
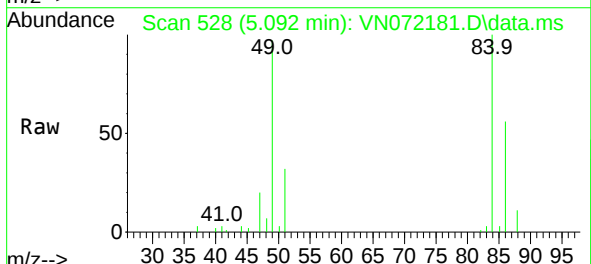
Instrument :
MSVOA_N
ClientSampleId :
PB144332TB

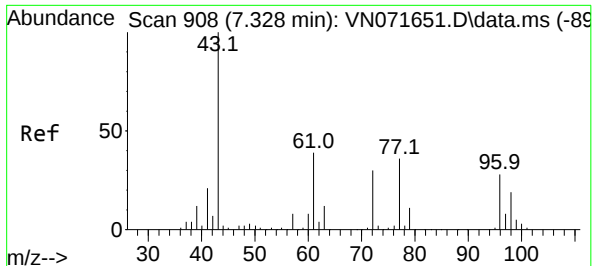
Tgt Ion: 43 Resp: 2679
Ion Ratio Lower Upper
43 100
74 41.7 21.6 32.4#



#20
Methylene Chloride
Concen: 7.767 ug/l
RT: 5.092 min Scan# 528
Delta R.T. -0.001 min
Lab File: VN072181.D
Acq: 25 Apr 2022 15:51

Tgt Ion: 84 Resp: 41661
Ion Ratio Lower Upper
84 100
49 97.0 88.3 132.5
51 31.7 28.2 42.2
86 56.3 50.6 76.0





#25

2-Butanone

Concen: 1.398 ug/l

RT: 7.351 min Scan# 91

Delta R.T. 0.023 min

Lab File: VN072181.D

Acq: 25 Apr 2022 15:51

Instrument :

MSVOA_N

ClientSampleId :

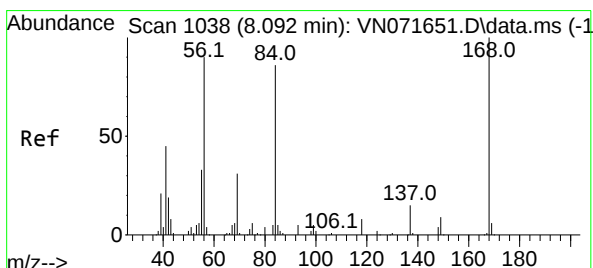
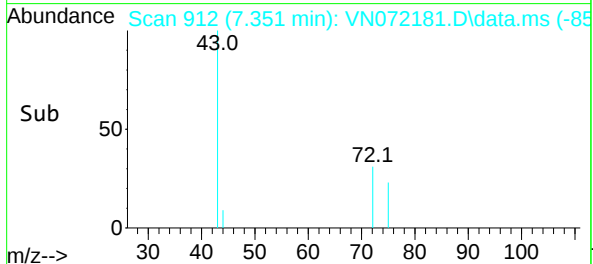
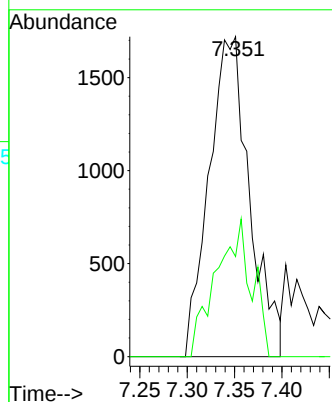
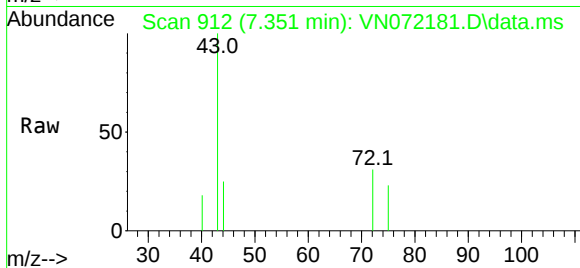
PB144332TB

Tgt Ion: 43 Resp: 5128

Ion Ratio Lower Upper

43 100

72 31.3 23.7 35.5



#31

Cyclohexane

Concen: 0.890 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.006 min

Lab File: VN072181.D

Acq: 25 Apr 2022 15:51

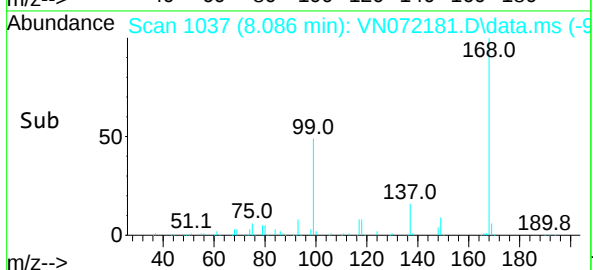
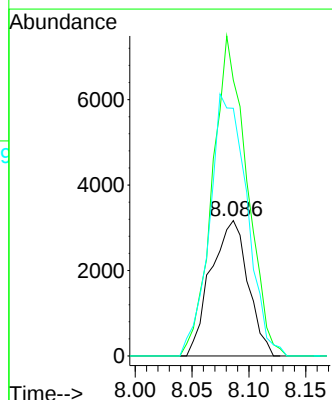
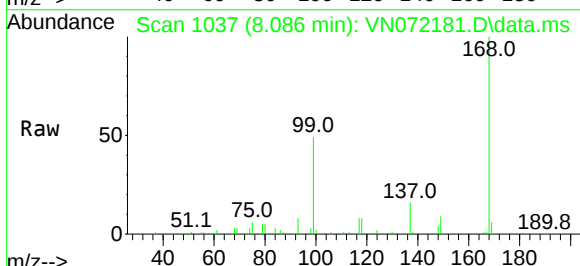
Tgt Ion: 56 Resp: 7210

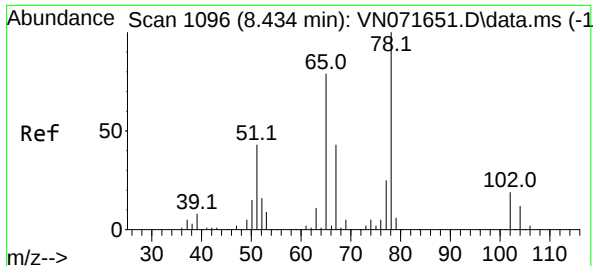
Ion Ratio Lower Upper

56 100

69 203.6 27.8 41.8#

84 182.9 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 43.826 ug/l

RT: 8.433 min Scan# 1106

Delta R.T. -0.001 min

Lab File: VN072181.D

Acq: 25 Apr 2022 15:51

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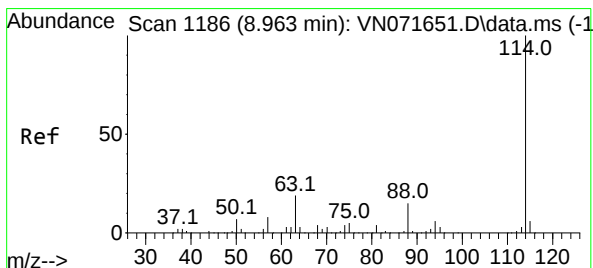
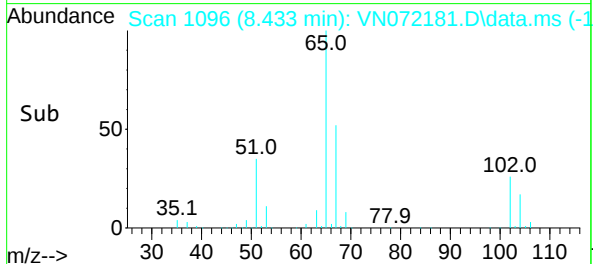
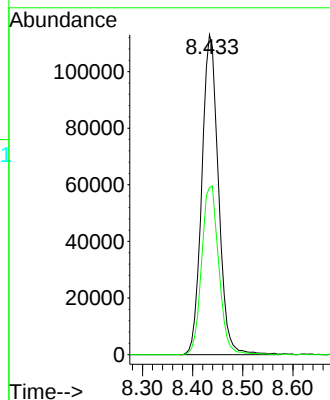
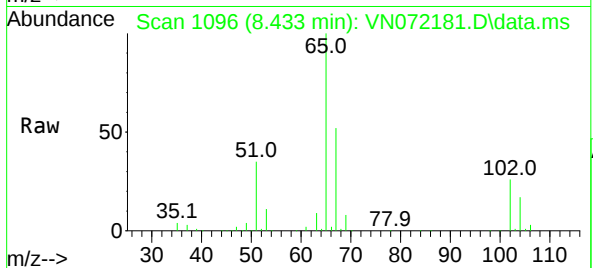
PB144332TB

Tgt Ion: 65 Resp: 260976

Ion Ratio Lower Upper

65 100

67 54.3 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: VN072181.D

Acq: 25 Apr 2022 15:51

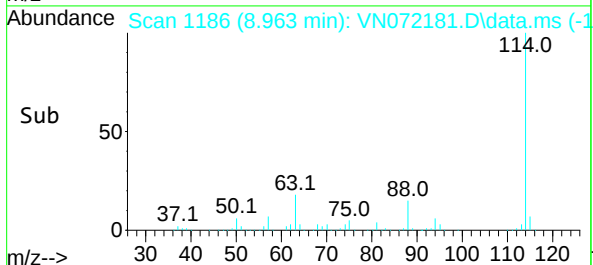
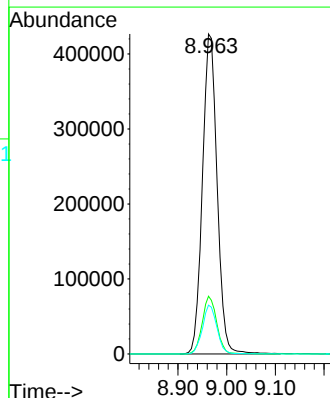
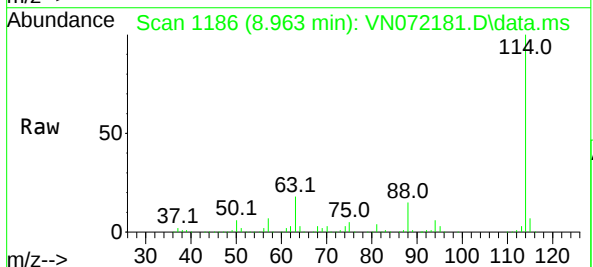
Tgt Ion: 114 Resp: 891653

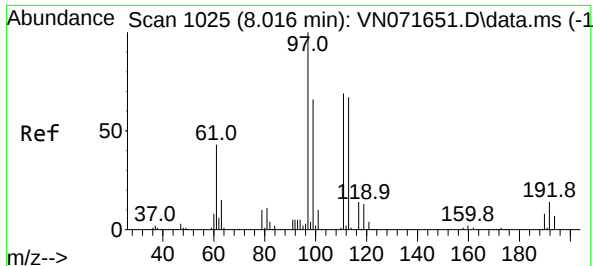
Ion Ratio Lower Upper

114 100

63 18.0 0.0 40.0

88 15.3 0.0 32.6





#35

Dibromofluoromethane

Concen: 48.280 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.006 min

Lab File: VN072181.D

Acq: 25 Apr 2022 15:51

Instrument :

MSVOA_N

ClientSampleId :

PB144332TB

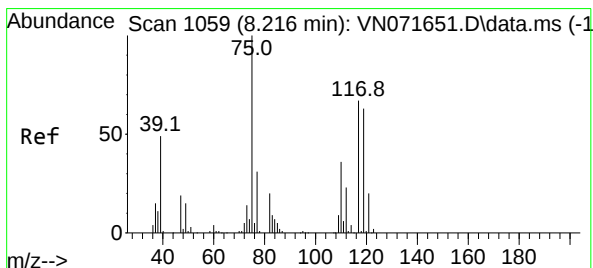
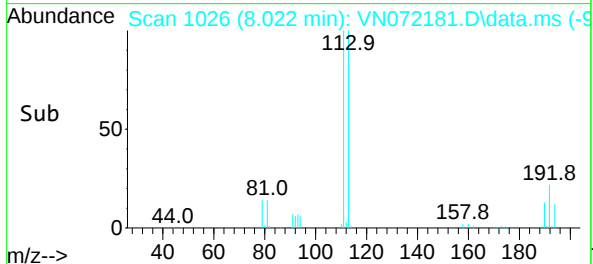
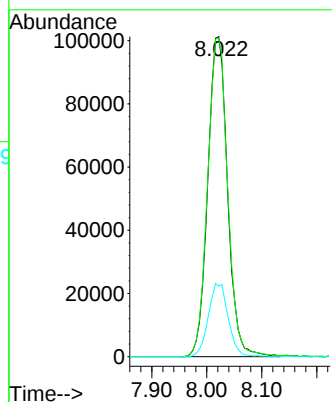
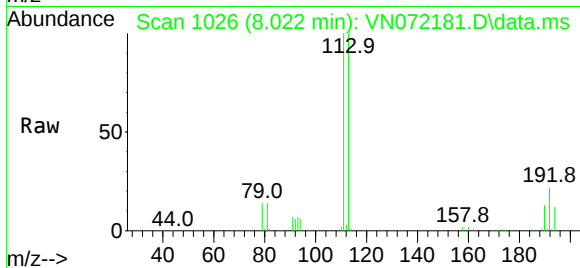
Tgt Ion:113 Resp: 253318

Ion Ratio Lower Upper

113 100

111 101.0 81.4 122.0

192 23.0 17.0 25.6



#36

1,1-Dichloropropene

Concen: 4.356 ug/l

RT: 8.080 min Scan# 1036

Delta R.T. -0.136 min

Lab File: VN072181.D

Acq: 25 Apr 2022 15:51

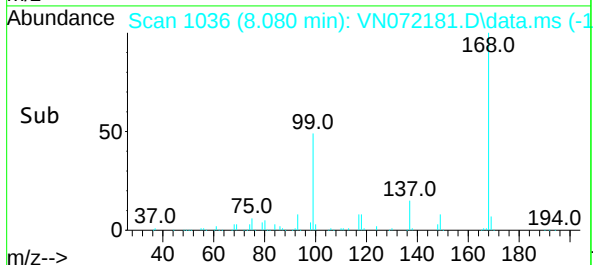
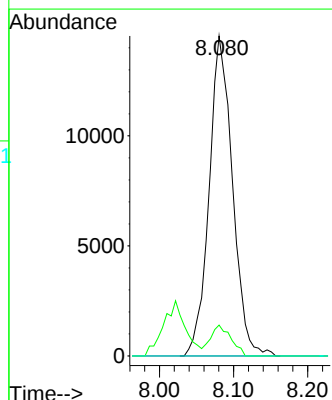
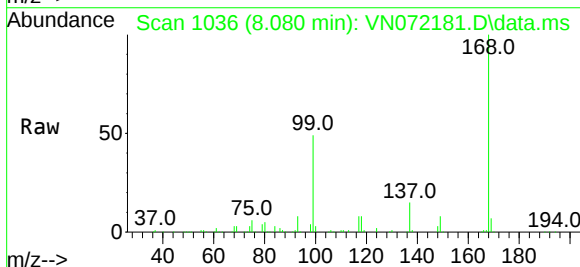
Tgt Ion: 75 Resp: 31917

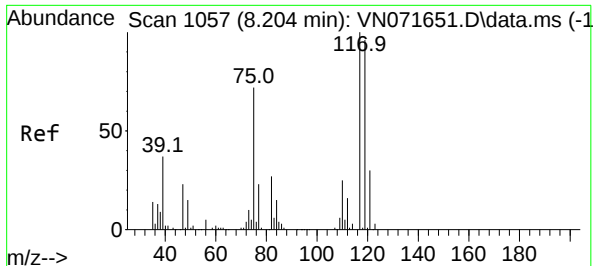
Ion Ratio Lower Upper

75 100

110 8.4 18.3 54.8#

77 0.0 25.1 37.7#

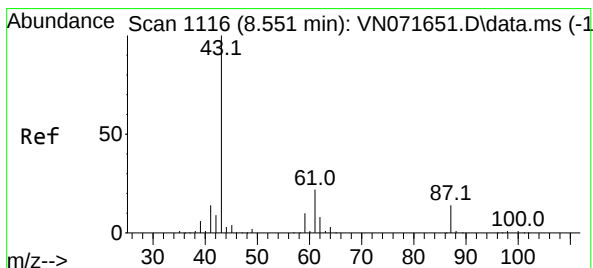
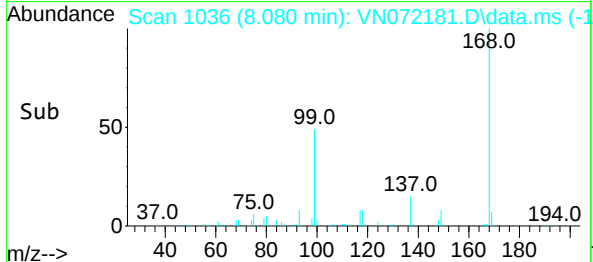
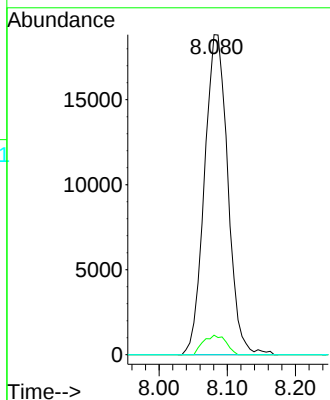
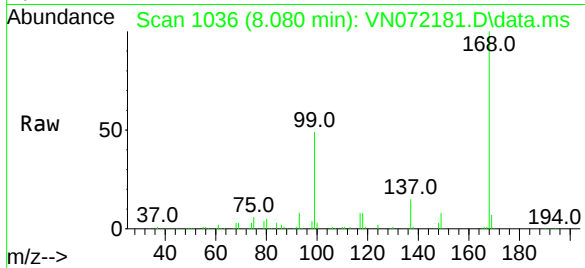




#38
Carbon Tetrachloride
Concen: 6.241 ug/l
RT: 8.080 min Scan# 1117
Delta R.T. -0.124 min
Lab File: VN072181.D
Acq: 25 Apr 2022 15:51

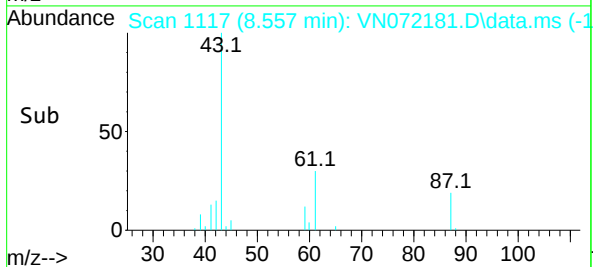
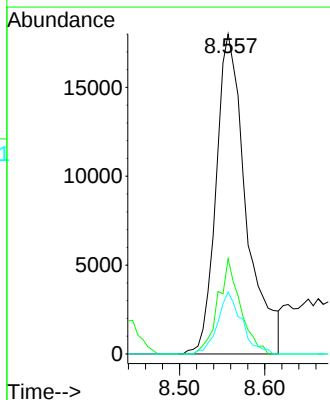
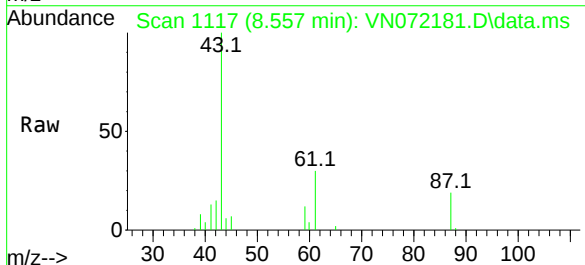
Instrument :
MSVOA_N
ClientSampleId :
PB144332TB

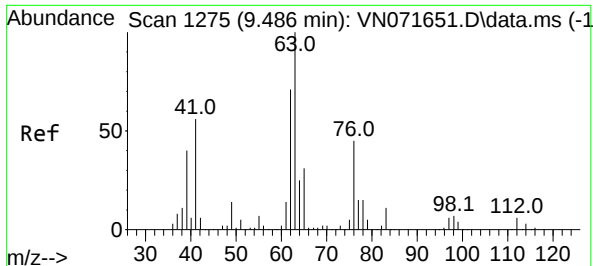
Tgt Ion:117 Resp: 44813
Ion Ratio Lower Upper
117 100
119 6.1 75.8 113.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 3.302 ug/l
RT: 8.557 min Scan# 1117
Delta R.T. 0.006 min
Lab File: VN072181.D
Acq: 25 Apr 2022 15:51

Tgt Ion: 43 Resp: 44046
Ion Ratio Lower Upper
43 100
61 22.3 21.9 32.9
87 15.5 12.0 18.0





#45

1,2-Dichloropropane

Concen: 0.659 ug/l

RT: 9.616 min Scan# 1297

Delta R.T. 0.130 min

Lab File: VN072181.D

Acq: 25 Apr 2022 15:51

Instrument :

MSVOA_N

ClientSampleId :

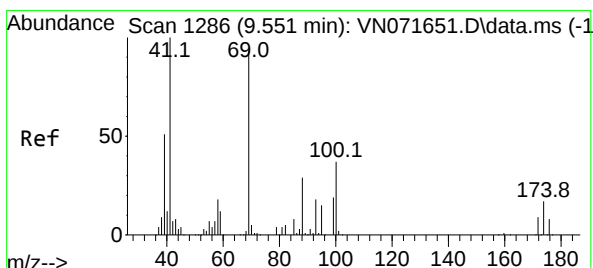
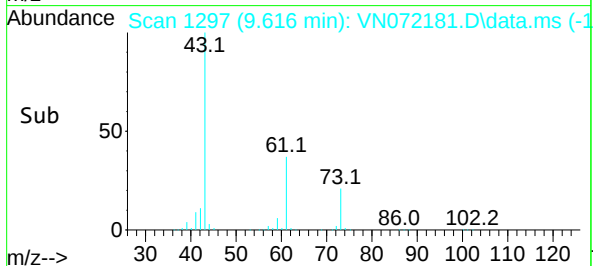
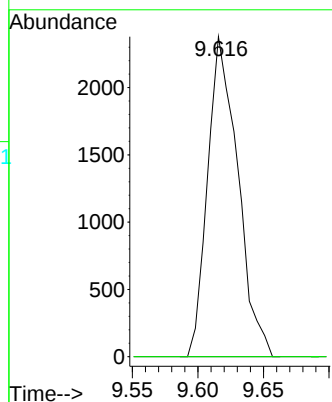
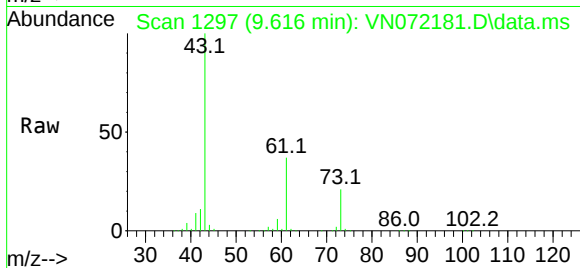
PB144332TB

Tgt Ion: 63 Resp: 3809

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#



#48

Methyl methacrylate

Concen: 1.888 ug/l

RT: 9.539 min Scan# 1284

Delta R.T. -0.012 min

Lab File: VN072181.D

Acq: 25 Apr 2022 15:51

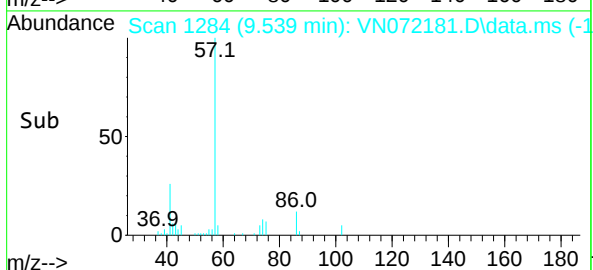
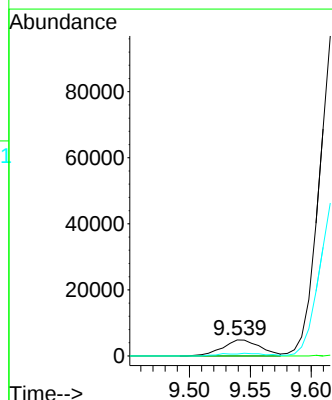
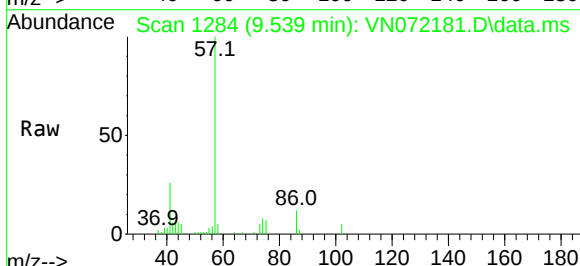
Tgt Ion: 41 Resp: 10450

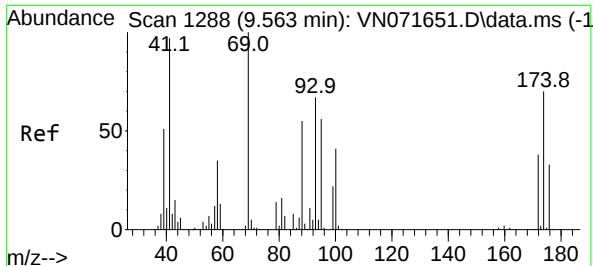
Ion Ratio Lower Upper

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: VN072181.D

Acq: 25 Apr 2022 15:51

Instrument :

MSVOA_N

ClientSampleId :

PB144332TB

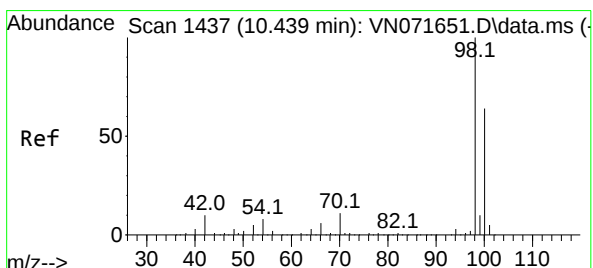
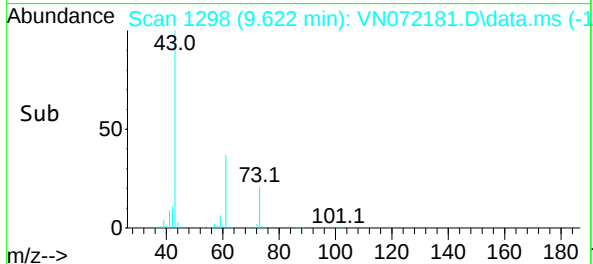
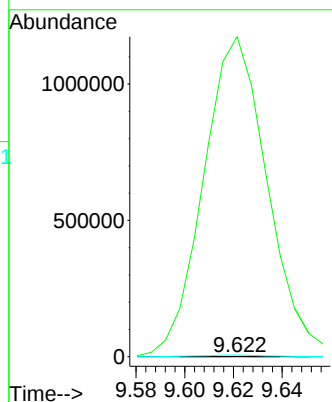
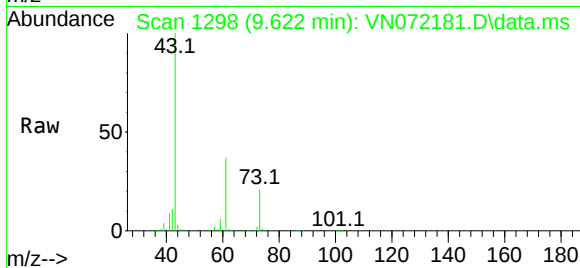
Tgt Ion: 88 Resp: 411

Ion Ratio Lower Upper

88 100

43 535933.8 20.2 30.4#

58 2896.8 54.2 81.4#



#50

Toluene-d8

Concen: 54.008 ug/l

RT: 10.439 min Scan# 1437

Delta R.T. 0.000 min

Lab File: VN072181.D

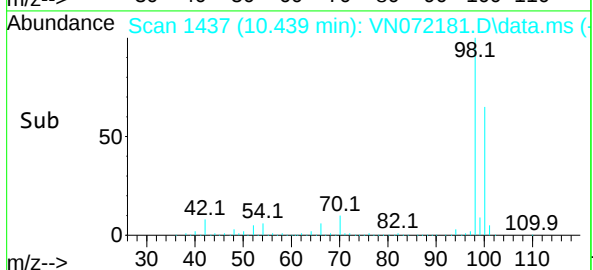
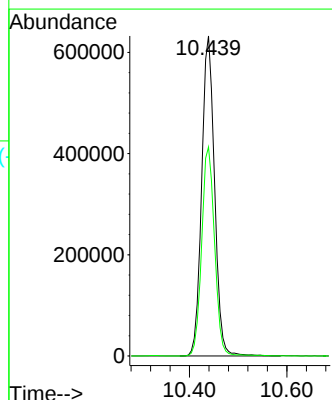
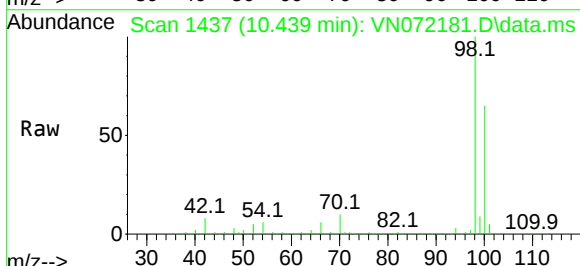
Acq: 25 Apr 2022 15:51

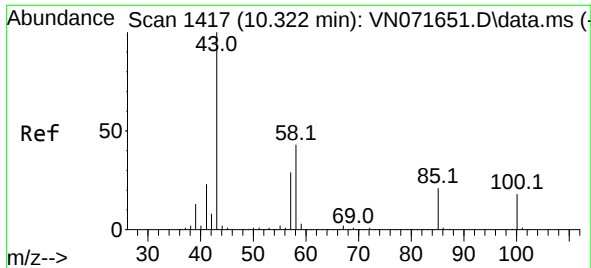
Tgt Ion: 98 Resp: 1159219

Ion Ratio Lower Upper

98 100

100 65.6 52.6 78.8

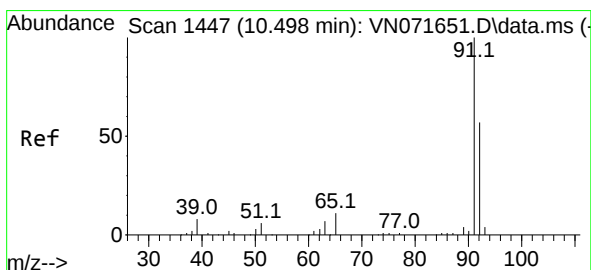
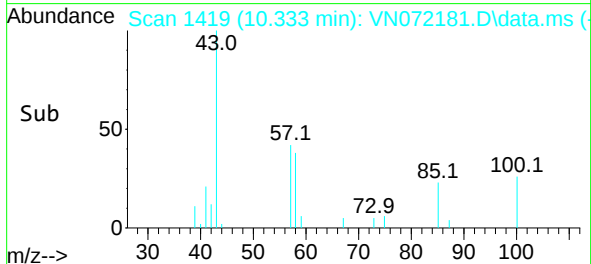
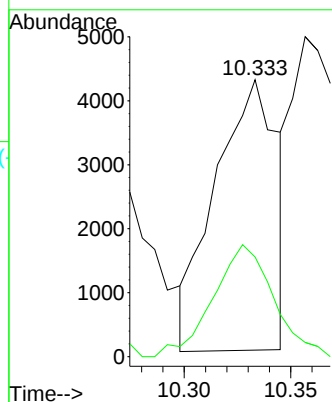
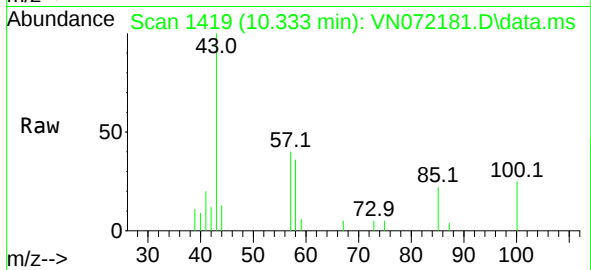




#51
4-Methyl-2-Pentanone
Concen: 1.117 ug/l
RT: 10.333 min Scan# 1419
Delta R.T. 0.011 min
Lab File: VN072181.D
Acq: 25 Apr 2022 15:51

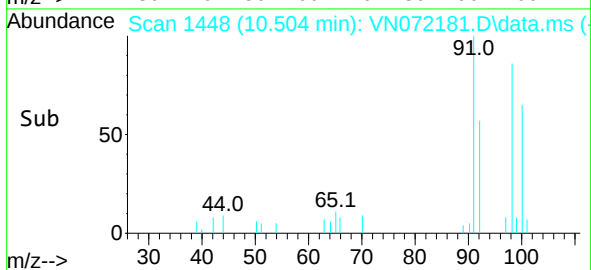
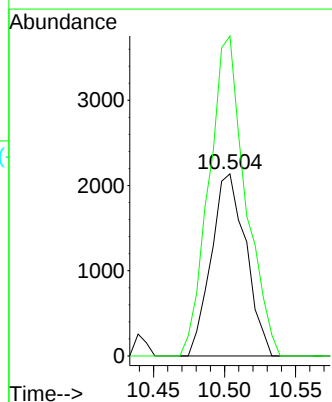
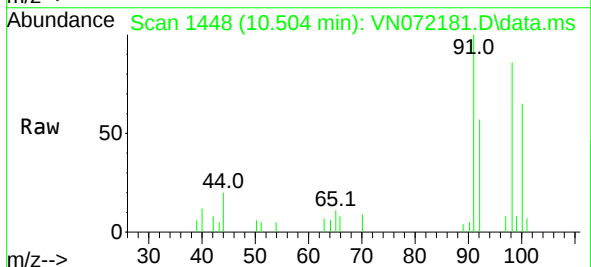
Instrument :
MSVOA_N
ClientSampleId :
PB144332TB

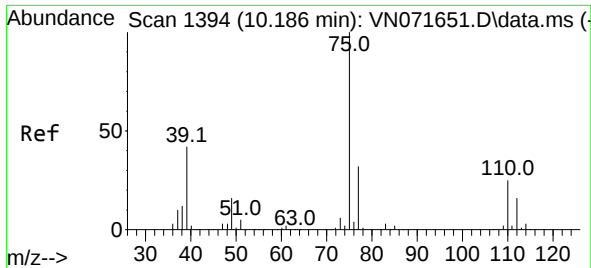
Tgt Ion: 43 Resp: 8570
Ion Ratio Lower Upper
43 100
58 40.2 34.1 51.1



#52
Toluene
Concen: 0.248 ug/l
RT: 10.504 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN072181.D
Acq: 25 Apr 2022 15:51

Tgt Ion: 92 Resp: 3630
Ion Ratio Lower Upper
92 100
91 184.6 138.6 207.8

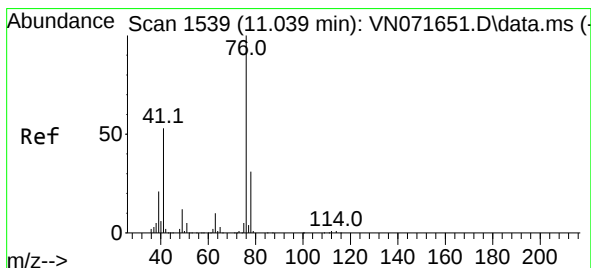
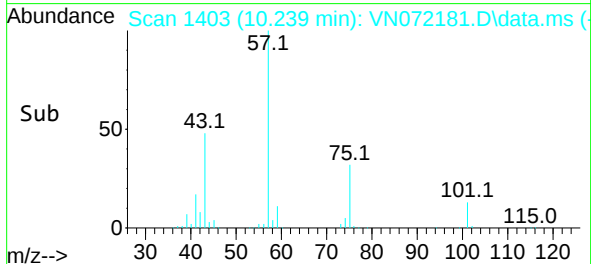
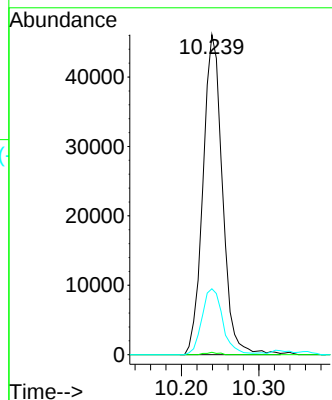
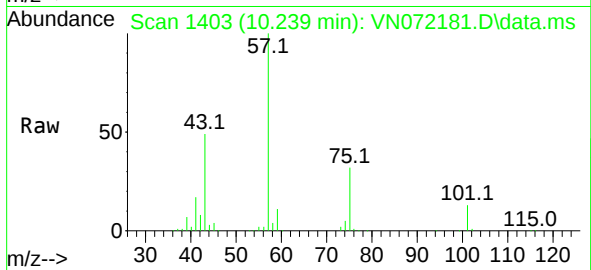




#54
 cis-1,3-Dichloropropene
 Concen: 8.994 ug/l
 RT: 10.239 min Scan# 1403
 Delta R.T. 0.053 min
 Lab File: VN072181.D
 Acq: 25 Apr 2022 15:51

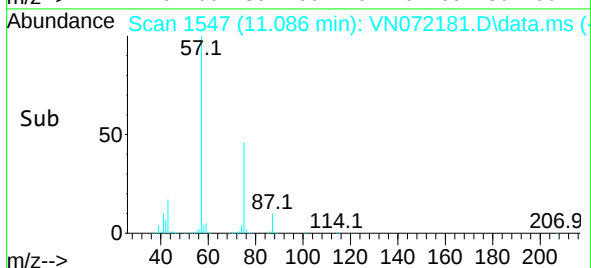
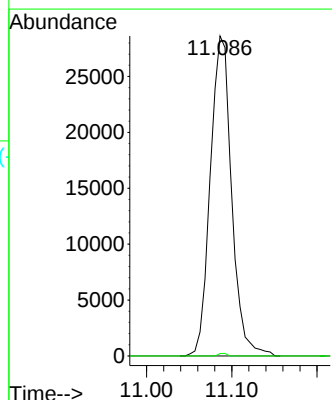
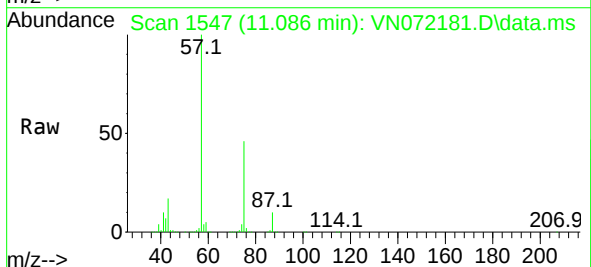
Instrument :
 MSVOA_N
 ClientSampleId :
 PB144332TB

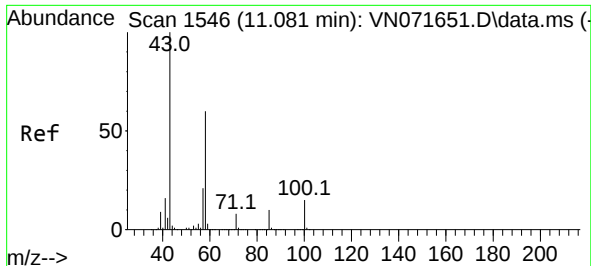
Tgt Ion: 75 Resp: 80489
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.2 37.8#
 39 20.6 35.7 53.5#



#57
 1,3-Dichloropropane
 Concen: 4.939 ug/l
 RT: 11.086 min Scan# 1547
 Delta R.T. 0.047 min
 Lab File: VN072181.D
 Acq: 25 Apr 2022 15:51

Tgt Ion: 76 Resp: 49721
 Ion Ratio Lower Upper
 76 100
 78 0.3 26.2 39.2#

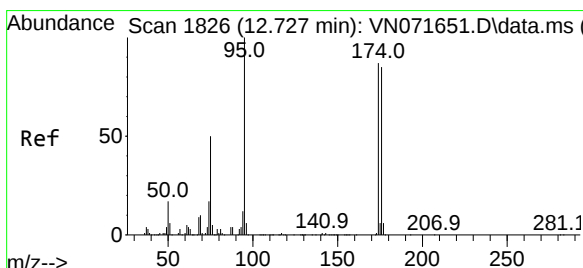
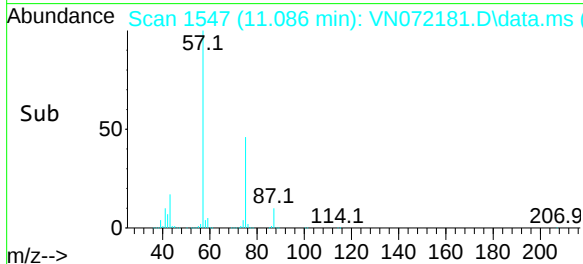
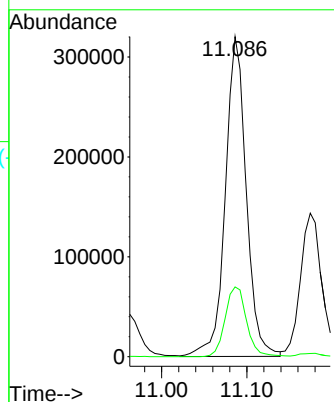
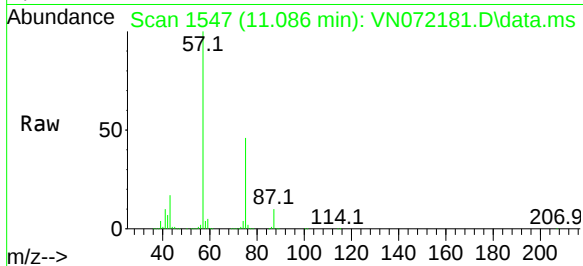




#59
2-Hexanone
Concen: 101.230 ug/l
RT: 11.086 min Scan# 1154
Delta R.T. 0.005 min
Lab File: VN072181.D
Acq: 25 Apr 2022 15:51

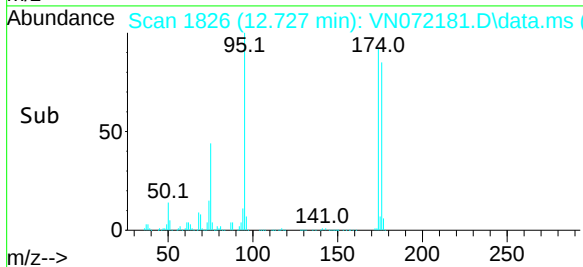
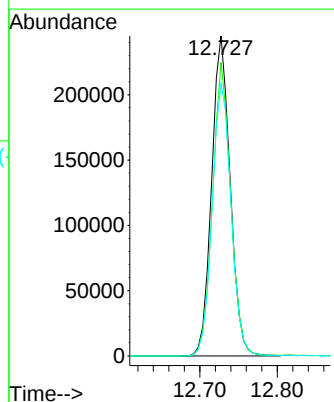
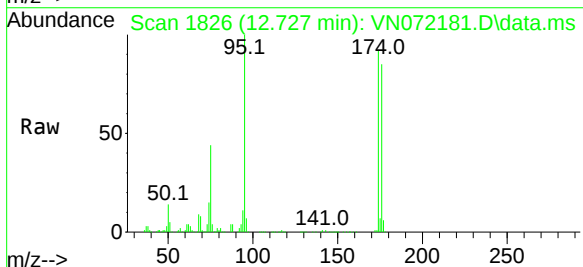
Instrument :
MSVOA_N
ClientSampleId :
PB144332TB

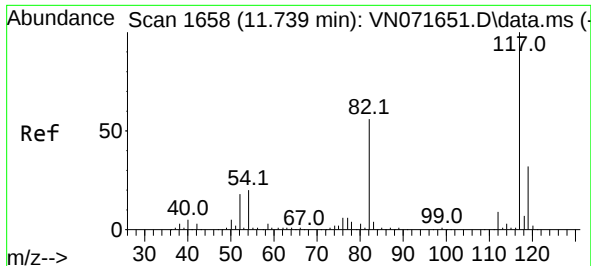
Tgt Ion: 43 Resp: 546603
Ion Ratio Lower Upper
43 100
58 22.4 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 58.614 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072181.D
Acq: 25 Apr 2022 15:51

Tgt Ion: 95 Resp: 406881
Ion Ratio Lower Upper
95 100
174 89.8 0.0 167.6
176 87.3 0.0 163.4

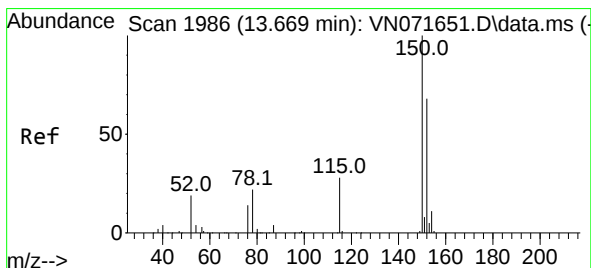
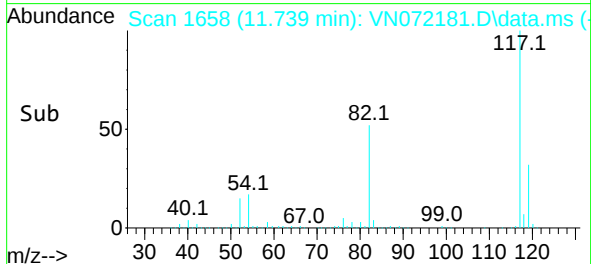
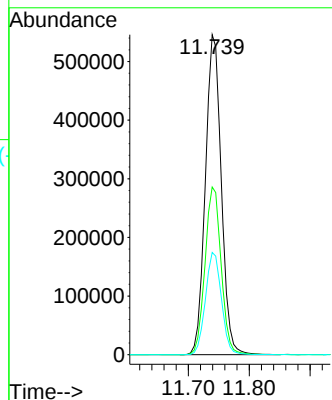
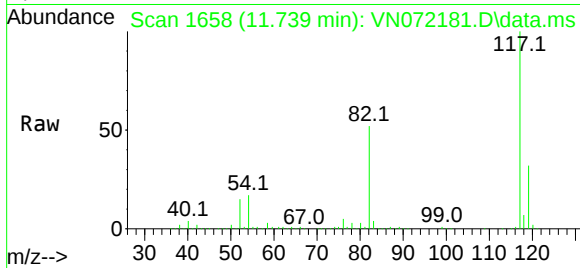




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN072181.D
Acq: 25 Apr 2022 15:51

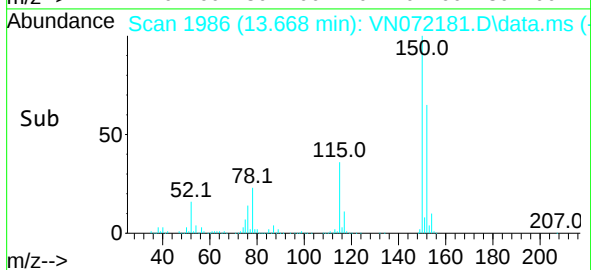
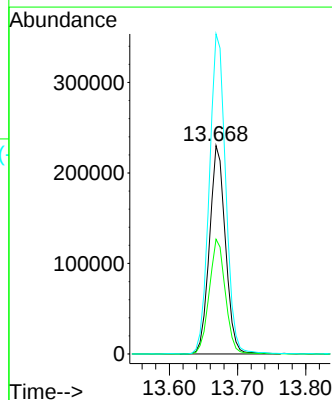
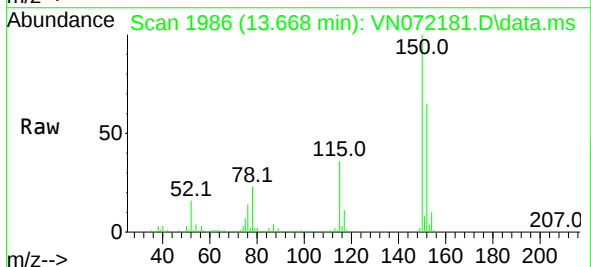
Instrument :
MSVOA_N
ClientSampleId :
PB144332TB

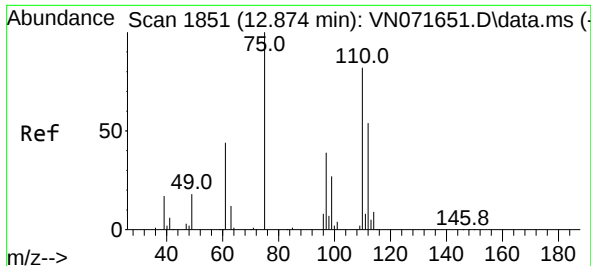
Tgt Ion:117 Resp: 990353
Ion Ratio Lower Upper
117 100
82 52.4 44.2 66.2
119 31.9 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.001 min
Lab File: VN072181.D
Acq: 25 Apr 2022 15:51

Tgt Ion:152 Resp: 375593
Ion Ratio Lower Upper
152 100
115 55.7 28.9 86.7
150 157.7 0.0 356.2

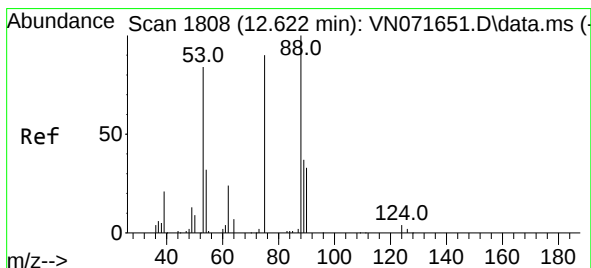
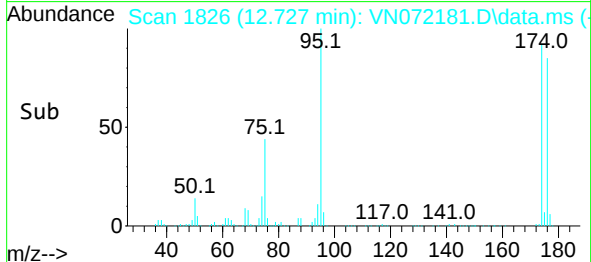
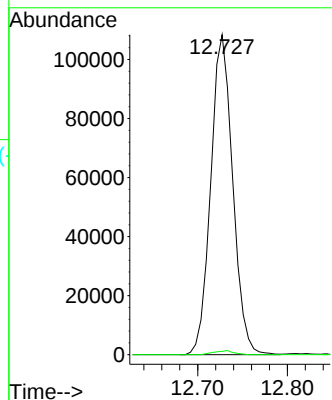
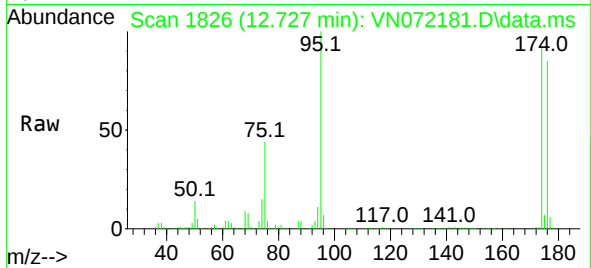




#76
1,2,3-Trichloropropane
Concen: 21.173 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072181.D
Acq: 25 Apr 2022 15:51

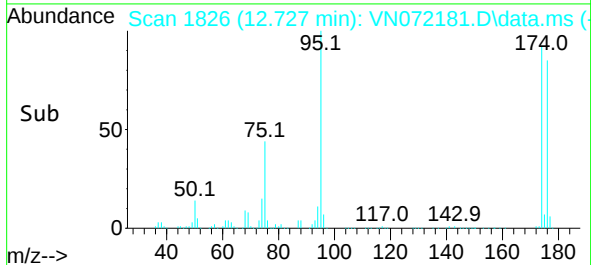
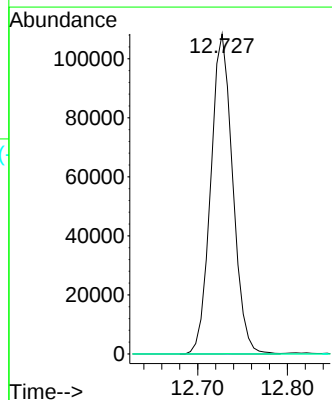
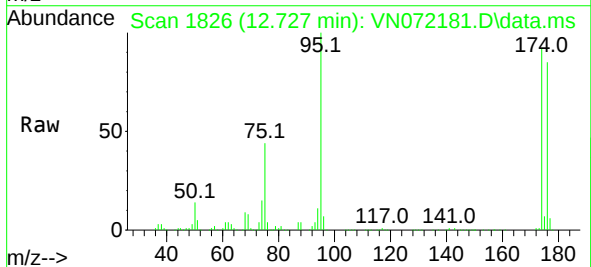
Instrument :
MSVOA_N
ClientSampleId :
PB144332TB

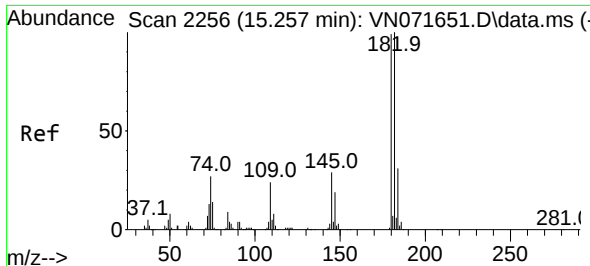
Tgt Ion: 75 Resp: 184220
Ion Ratio Lower Upper
75 100
77 1.1 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.613 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN072181.D
Acq: 25 Apr 2022 15:51

Tgt Ion: 75 Resp: 184220
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

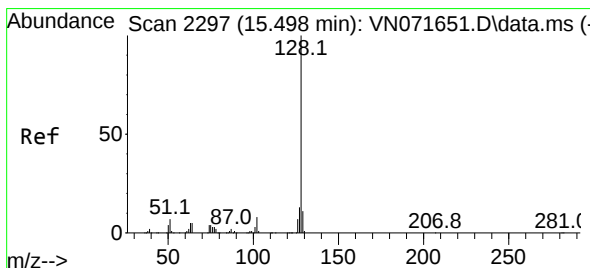
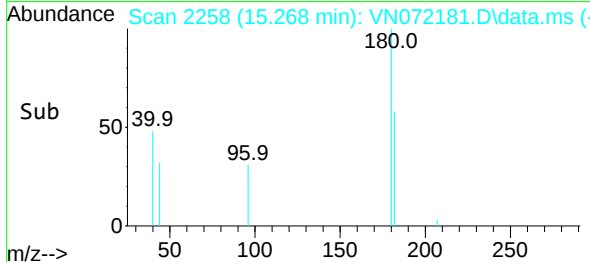
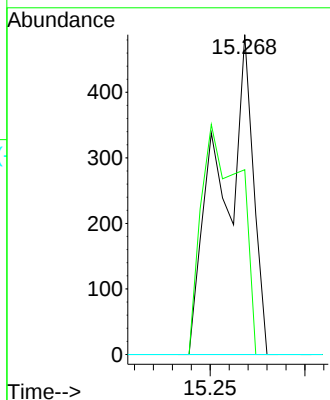
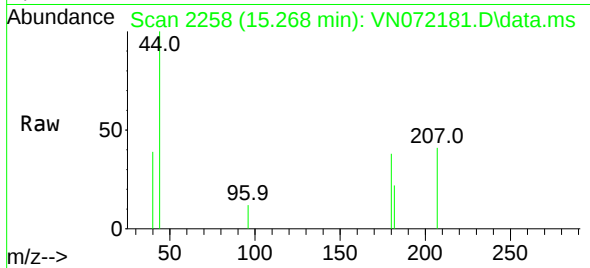




#93
1,2,4-Trichlorobenzene
Concen: 2.179 ug/l
RT: 15.268 min Scan# 21
Delta R.T. 0.011 min
Lab File: VN072181.D
Acq: 25 Apr 2022 15:51

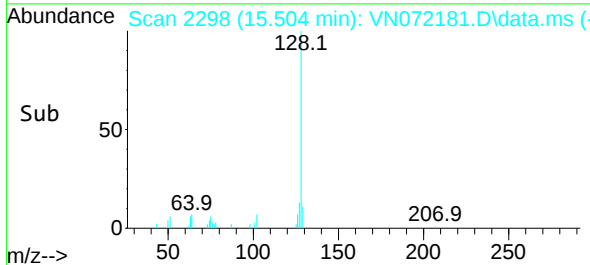
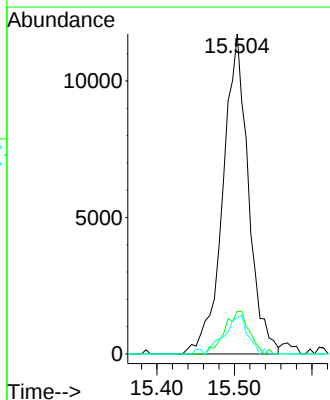
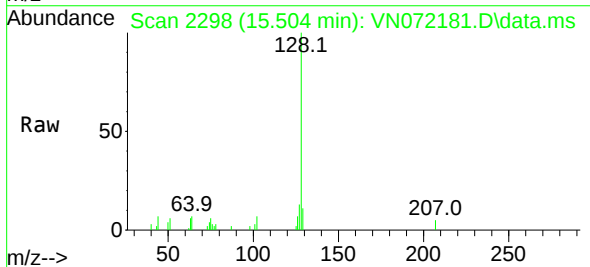
Instrument :
MSVOA_N
ClientSampleId :
PB144332TB

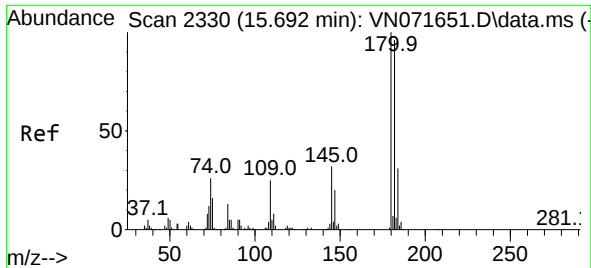
Tgt Ion:180 Resp: 583
Ion Ratio Lower Upper
180 100
182 84.6 47.5 142.5
145 0.0 14.5 43.5#



#95
Naphthalene
Concen: 5.250 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. 0.006 min
Lab File: VN072181.D
Acq: 25 Apr 2022 15:51

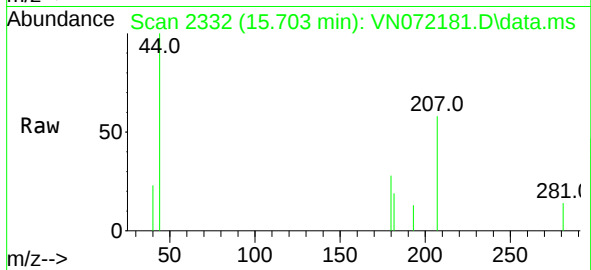
Tgt Ion:128 Resp: 26782
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 11.5 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 2.501 ug/l
 RT: 15.703 min Scan# 21
 Delta R.T. 0.011 min
 Lab File: VN072181.D
 Acq: 25 Apr 2022 15:51

Instrument :
 MSVOA_N
 ClientSampleId :
 PB144332TB



Tgt Ion:180 Resp: 531
 Ion Ratio Lower Upper
 180 100
 182 96.8 47.8 143.3
 145 0.0 15.5 46.5#

