

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041522\
 Data File : VN072017.D
 Acq On : 15 Apr 2022 21:39
 Operator : JC\MD
 Sample : PB144101ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB144101ZHE#05

Quant Time: Apr 16 00:08:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

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

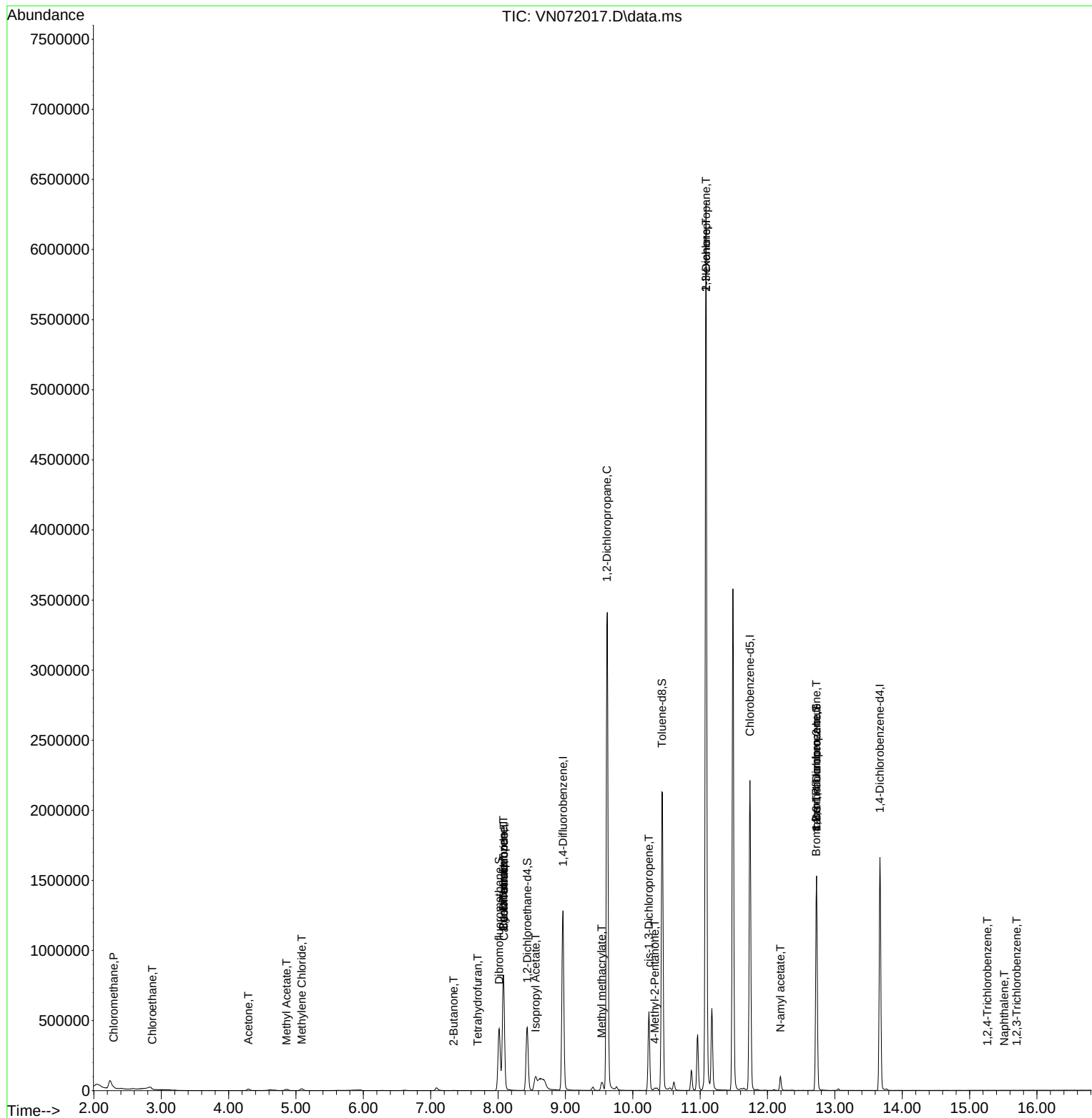
Internal Standards						
1) Pentafluorobenzene	8.081	168	704500	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1187510	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1361101	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	485836	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	372555	46.322	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	92.640%		
35) Dibromofluoromethane	8.016	113	334720	47.901	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.800%		
50) Toluene-d8	10.433	98	1575357	55.110	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	110.220%		
62) 4-Bromofluorobenzene	12.727	95	535128	57.883	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	115.760%		
Target Compounds						Qvalue
3) Chloromethane	2.293	50	1785	0.252	ug/l	91
6) Chloroethane	2.869	64	1818	0.324	ug/l #	42
16) Acetone	4.293	43	16167	4.704	ug/l	93
18) Methyl Acetate	4.857	43	20783	0.957	ug/l	96
20) Methylene Chloride	5.087	84	11451	1.581	ug/l	93
25) 2-Butanone	7.340	43	3326	0.671	ug/l #	78
29) Tetrahydrofuran	7.698	42	809	0.252	ug/l #	46
31) Cyclohexane	8.081	56	11210	1.025	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	45260	4.638	ug/l #	49
38) Carbon Tetrachloride	8.087	117	61069	6.386	ug/l #	17
43) Isopropyl Acetate	8.557	43	127417	7.172	ug/l #	73
45) 1,2-Dichloropropane	9.616	63	5152	0.669	ug/l #	44
48) Methyl methacrylate	9.539	41	15325	2.079	ug/l #	10
49) 1,4-Dioxane	9.610	88	577	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.328	43	10539	1.032	ug/l	93
54) cis-1,3-Dichloropropene	10.239	75	112788	9.463	ug/l #	57
57) 1,3-Dichloropropane	11.086	76	71579	5.338	ug/l #	43
59) 2-Hexanone	11.086	43	837793	116.502	ug/l #	48
71) Bromoform	12.722	173	2744	0.366	ug/l #	28
74) N-amyl acetate	12.192	43	28302	2.413	ug/l #	50
76) 1,2,3-Trichloropropane	12.727	75	255508	22.702	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	255508	70.353	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.263	180	71	2.095	ug/l #	12
95) Naphthalene	15.515	128	441	3.821	ug/l #	86
96) 1,2,3-Trichlorobenzene	15.698	180	53	2.421	ug/l #	12

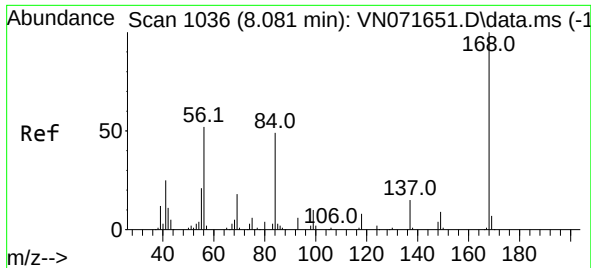
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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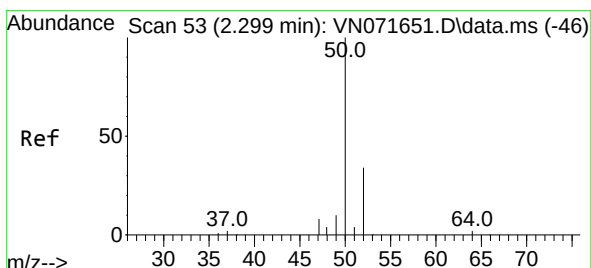
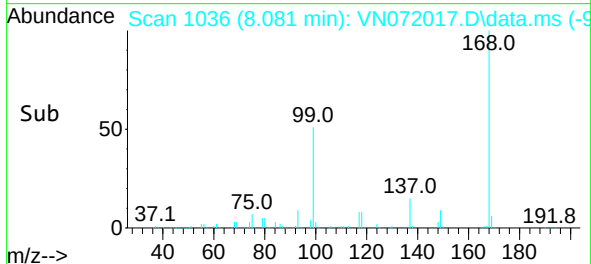
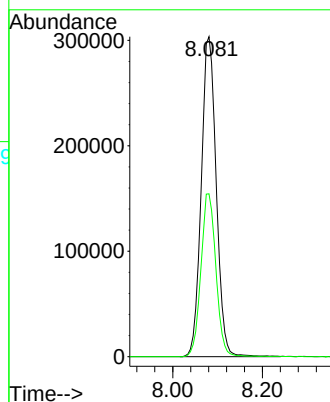
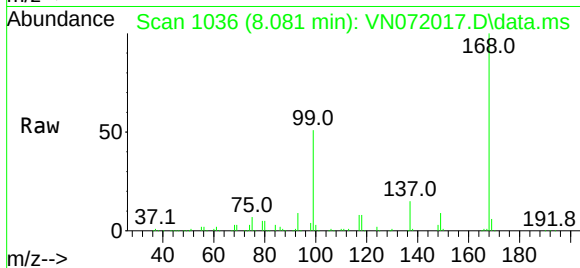




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN072017.D
Acq: 15 Apr 2022 21:39

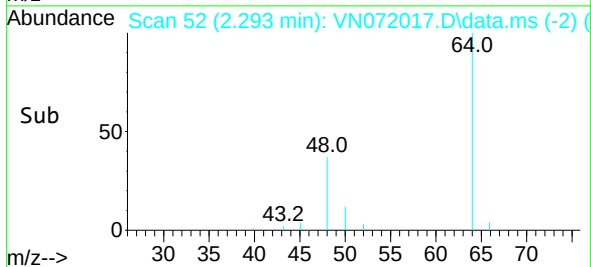
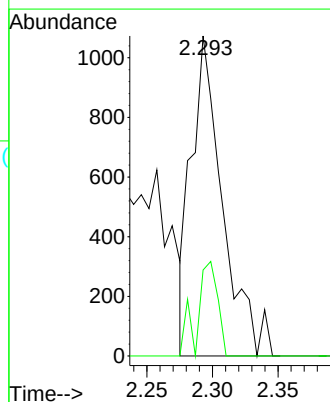
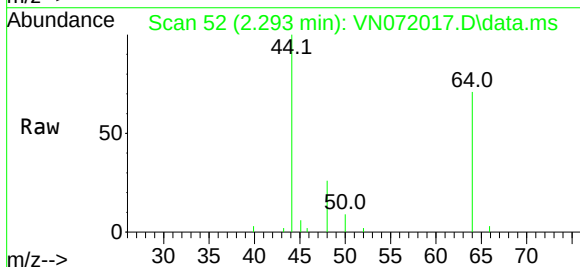
Instrument :
MSVOA_N
ClientSampleId :
PB144101ZHE#05

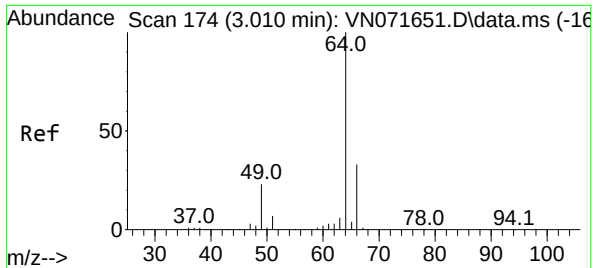
Tgt Ion:168 Resp: 704500
Ion Ratio Lower Upper
168 100
99 50.9 42.3 63.5



#3
Chloromethane
Concen: 0.252 ug/l
RT: 2.293 min Scan# 52
Delta R.T. -0.006 min
Lab File: VN072017.D
Acq: 15 Apr 2022 21:39

Tgt Ion: 50 Resp: 1785
Ion Ratio Lower Upper
50 100
52 26.8 25.7 38.5

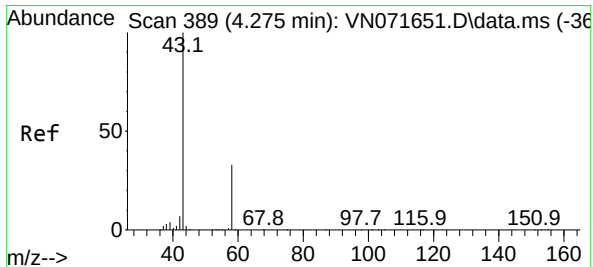
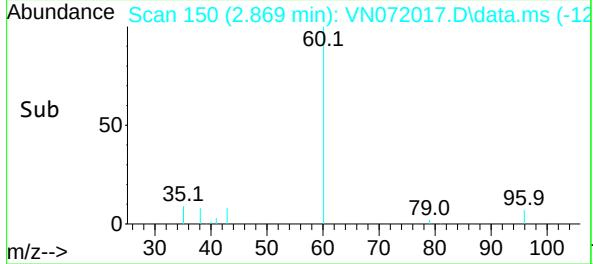
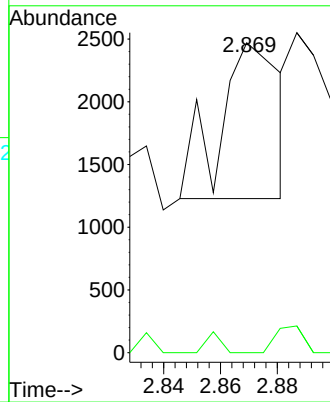
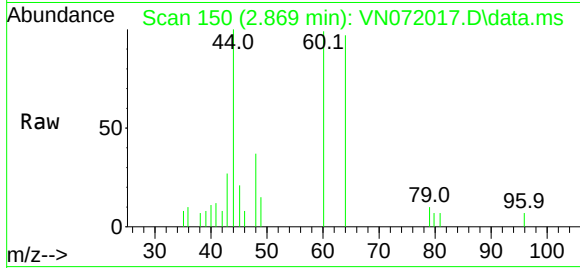




#6
Chloroethane
Concen: 0.324 ug/l
RT: 2.869 min Scan# 11
Delta R.T. -0.141 min
Lab File: VN072017.D
Acq: 15 Apr 2022 21:39

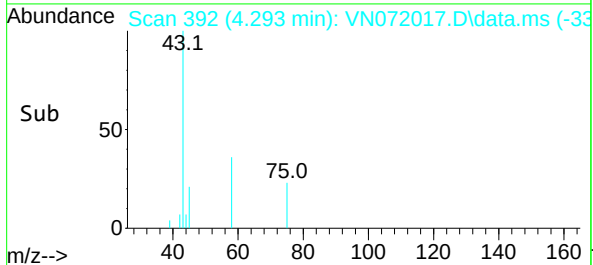
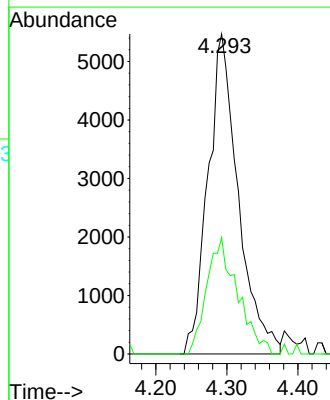
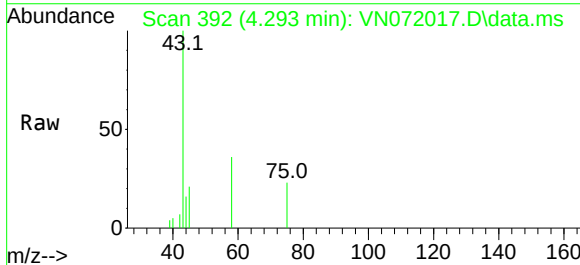
Instrument :
MSVOA_N
ClientSampleId :
PB144101ZHE#05

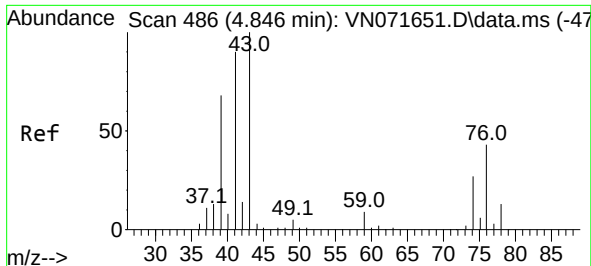
Tgt Ion: 64 Resp: 1818
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#16
Acetone
Concen: 4.704 ug/l
RT: 4.293 min Scan# 392
Delta R.T. 0.018 min
Lab File: VN072017.D
Acq: 15 Apr 2022 21:39

Tgt Ion: 43 Resp: 16167
Ion Ratio Lower Upper
43 100
58 36.4 26.0 39.0

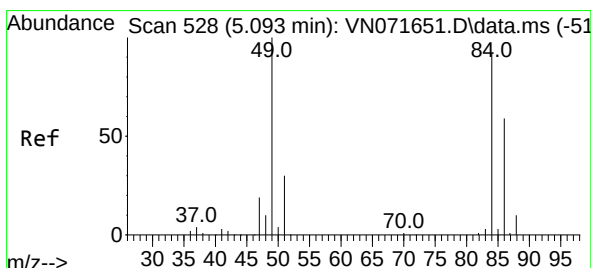
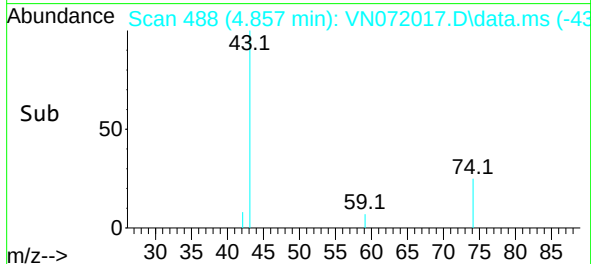
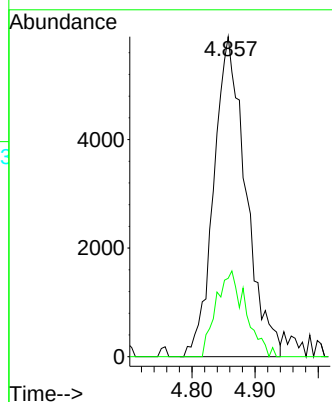
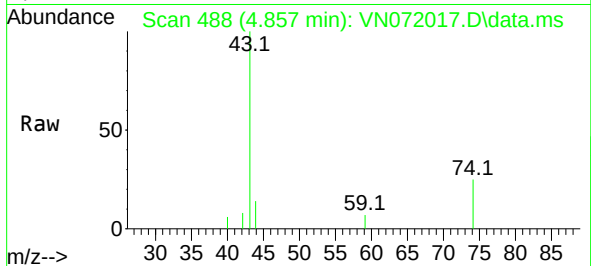




#18
Methyl Acetate
Concen: 0.957 ug/l
RT: 4.857 min Scan# 41
Delta R.T. 0.011 min
Lab File: VN072017.D
Acq: 15 Apr 2022 21:39

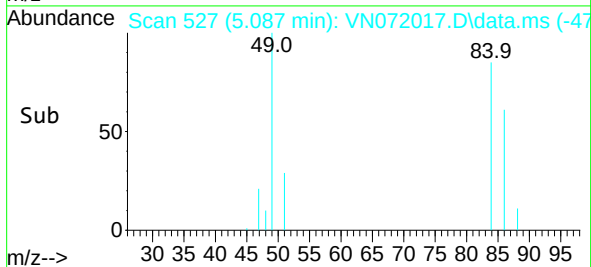
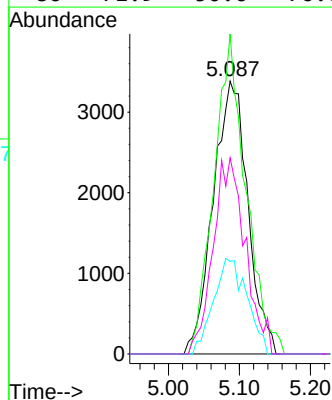
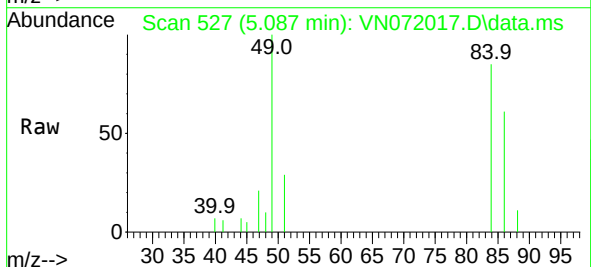
Instrument :
MSVOA_N
ClientSampleId :
PB144101ZHE#05

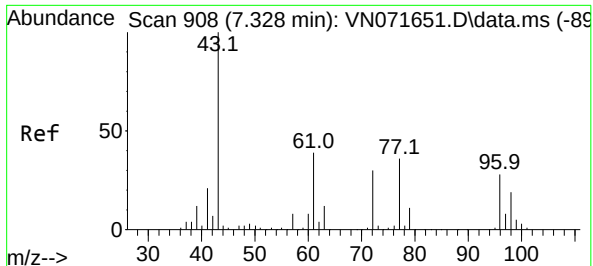
Tgt Ion: 43 Resp: 20783
Ion Ratio Lower Upper
43 100
74 24.9 21.6 32.4



#20
Methylene Chloride
Concen: 1.581 ug/l
RT: 5.087 min Scan# 527
Delta R.T. -0.006 min
Lab File: VN072017.D
Acq: 15 Apr 2022 21:39

Tgt Ion: 84 Resp: 11451
Ion Ratio Lower Upper
84 100
49 117.3 88.3 132.5
51 34.0 28.2 42.2
86 71.9 50.6 76.0





#25

2-Butanone

Concen: 0.671 ug/l

RT: 7.340 min Scan# 910

Delta R.T. 0.012 min

Lab File: VN072017.D

Acq: 15 Apr 2022 21:39

Instrument :

MSVOA_N

ClientSampleId :

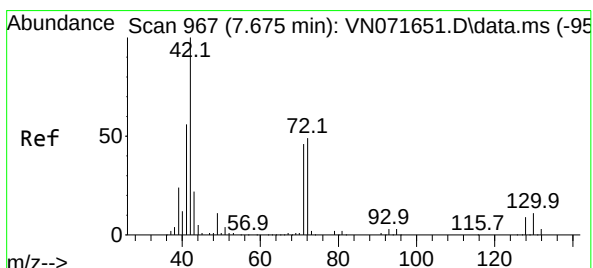
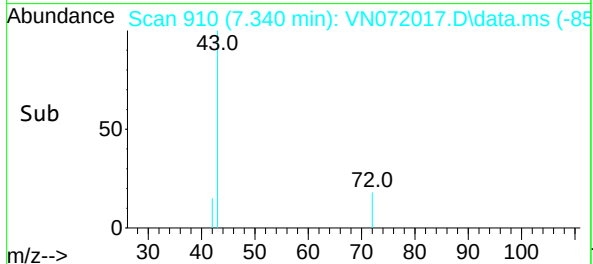
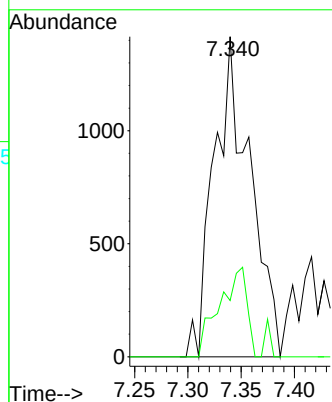
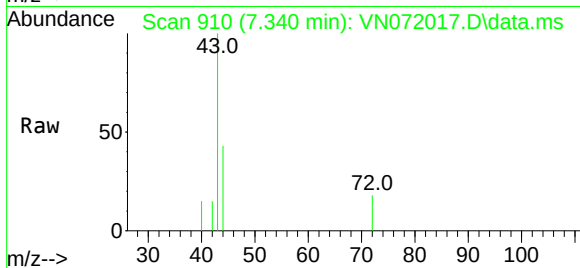
PB144101ZHE#05

Tgt Ion: 43 Resp: 3326

Ion Ratio Lower Upper

43 100

72 17.6 23.7 35.5#



#29

Tetrahydrofuran

Concen: 0.252 ug/l

RT: 7.698 min Scan# 971

Delta R.T. 0.023 min

Lab File: VN072017.D

Acq: 15 Apr 2022 21:39

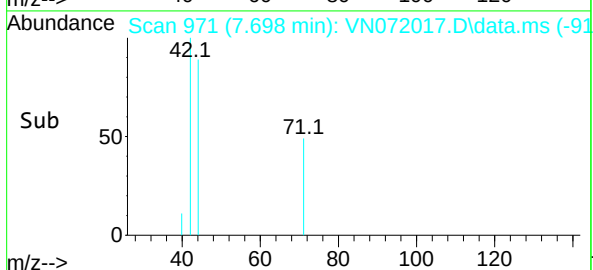
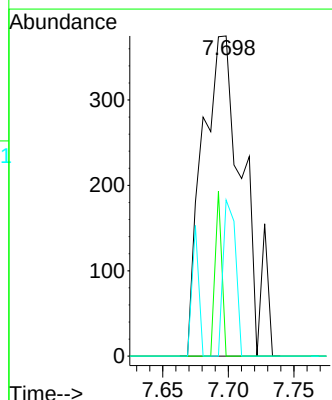
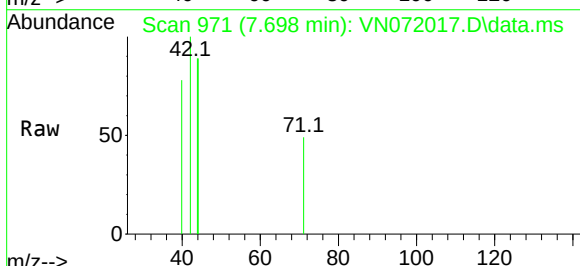
Tgt Ion: 42 Resp: 809

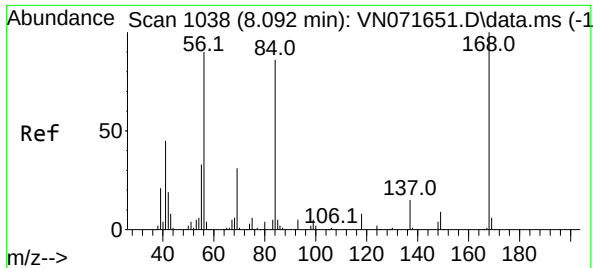
Ion Ratio Lower Upper

42 100

72 8.4 39.7 59.5#

71 14.8 36.6 55.0#

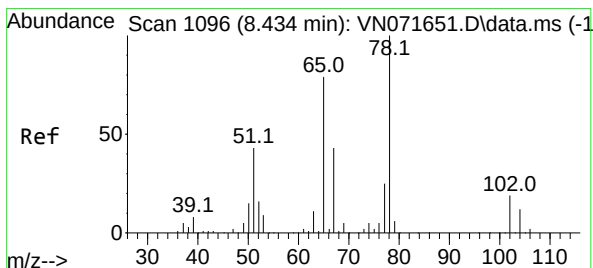
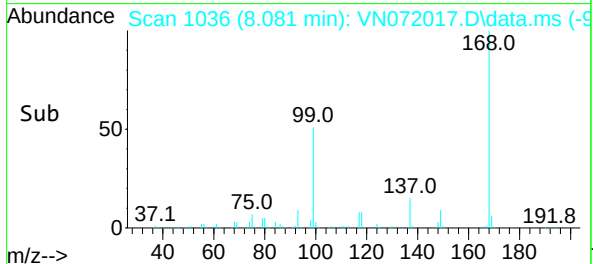
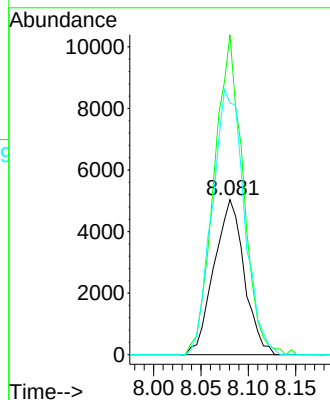
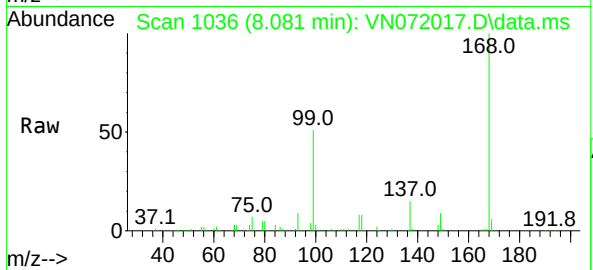




#31
Cyclohexane
Concen: 1.025 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.011 min
Lab File: VN072017.D
Acq: 15 Apr 2022 21:39

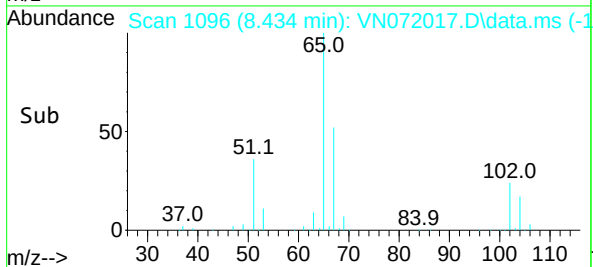
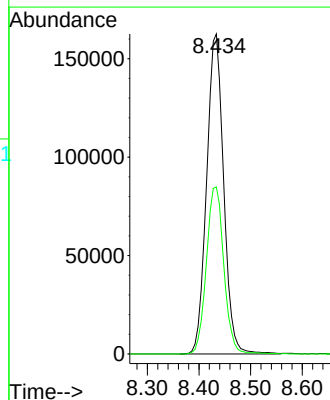
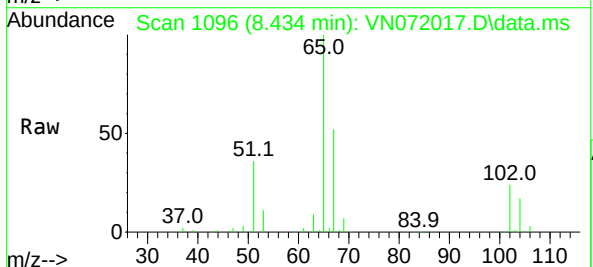
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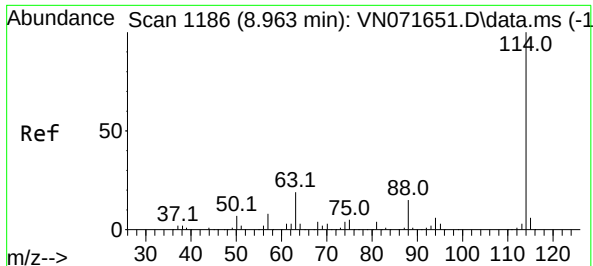
Tgt Ion: 56 Resp: 11210
Ion Ratio Lower Upper
56 100
69 206.3 27.8 41.8#
84 162.2 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 46.322 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN072017.D
Acq: 15 Apr 2022 21:39

Tgt Ion: 65 Resp: 372555
Ion Ratio Lower Upper
65 100
67 53.4 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: VN072017.D

Acq: 15 Apr 2022 21:39

Instrument :

MSVOA_N

ClientSampleId :

PB144101ZHE#05

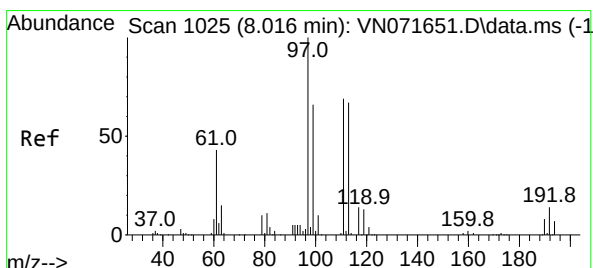
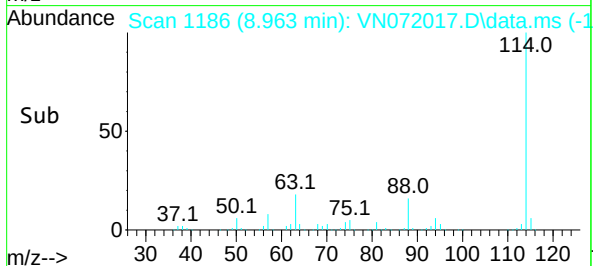
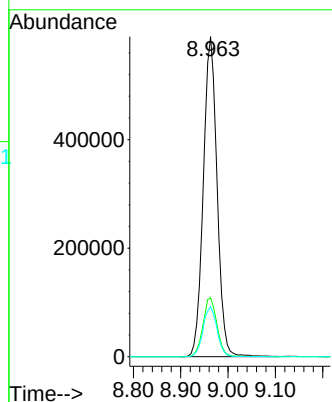
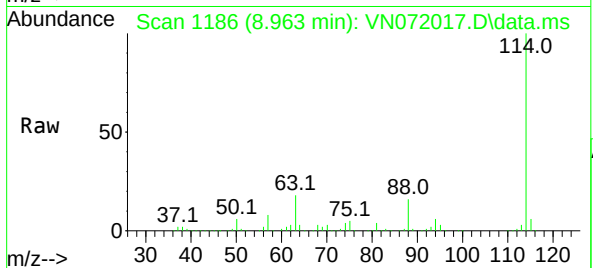
Tgt Ion:114 Resp: 1187510

Ion Ratio Lower Upper

114 100

63 18.4 0.0 40.0

88 15.6 0.0 32.6



#35

Dibromofluoromethane

Concen: 47.901 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.000 min

Lab File: VN072017.D

Acq: 15 Apr 2022 21:39

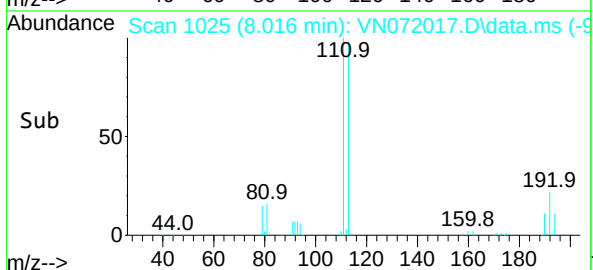
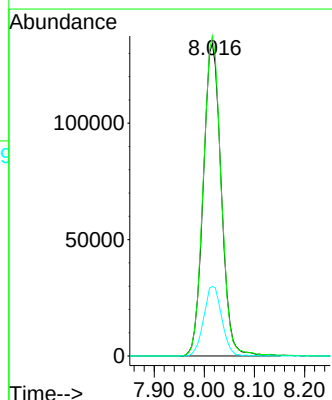
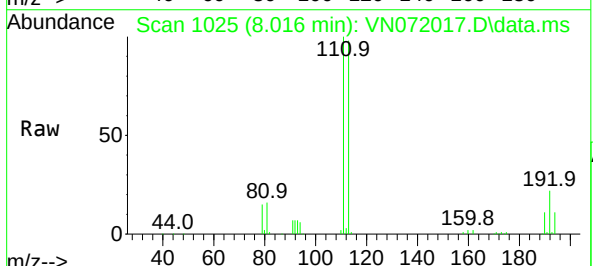
Tgt Ion:113 Resp: 334720

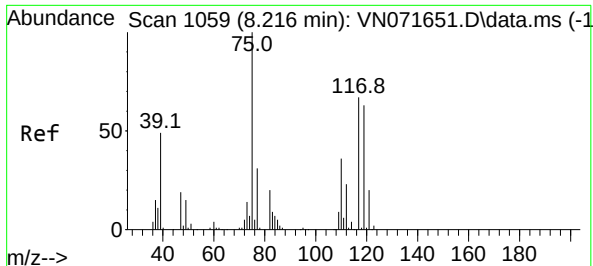
Ion Ratio Lower Upper

113 100

111 101.6 81.4 122.0

192 22.3 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.638 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.135 min

Lab File: VN072017.D

Acq: 15 Apr 2022 21:39

Instrument :

MSVOA_N

ClientSampleId :

PB144101ZHE#05

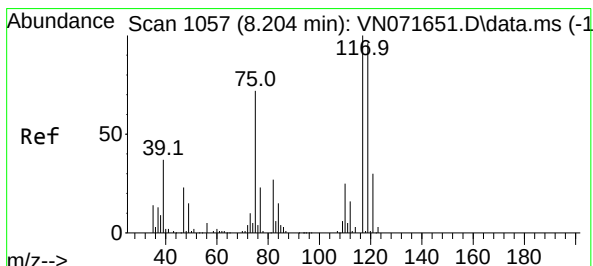
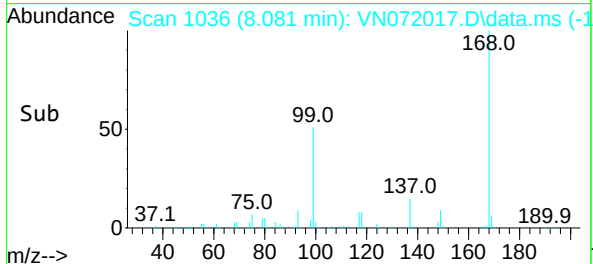
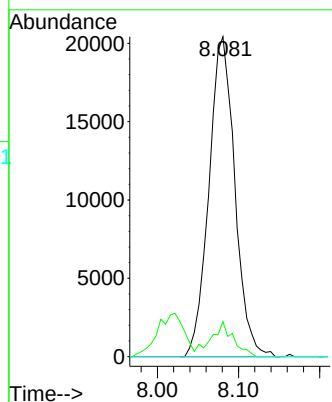
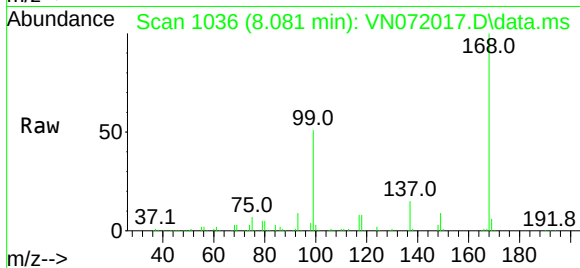
Tgt Ion: 75 Resp: 45260

Ion Ratio Lower Upper

75 100

110 9.4 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.386 ug/l

RT: 8.087 min Scan# 1037

Delta R.T. -0.117 min

Lab File: VN072017.D

Acq: 15 Apr 2022 21:39

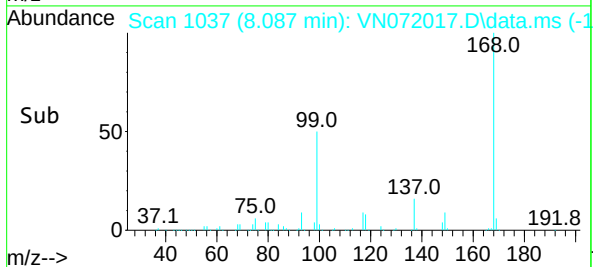
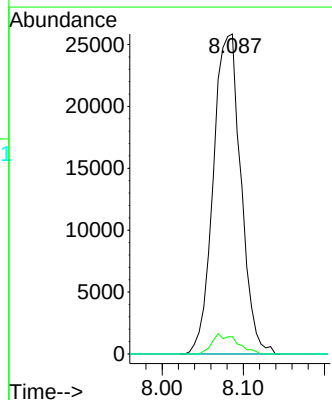
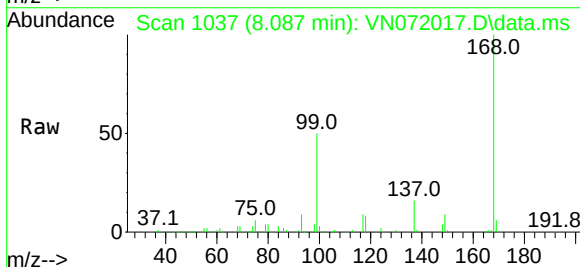
Tgt Ion: 117 Resp: 61069

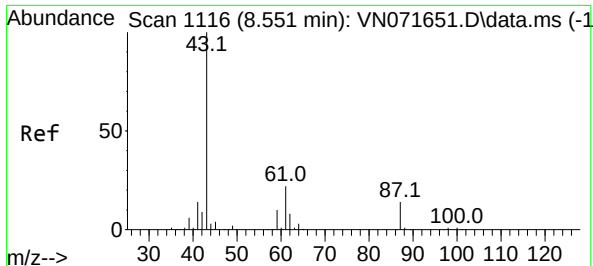
Ion Ratio Lower Upper

117 100

119 5.4 75.8 113.8#

121 0.0 24.6 37.0#

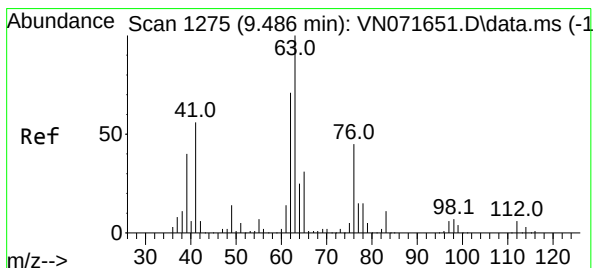
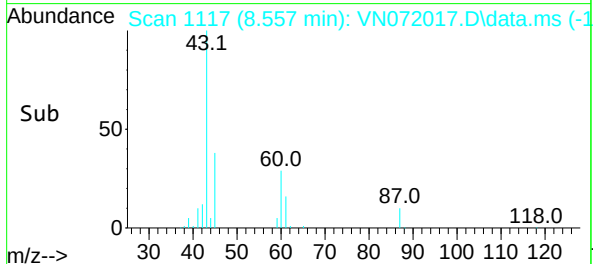
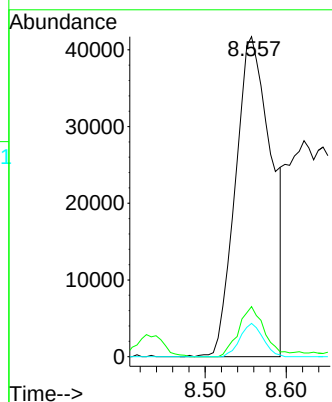
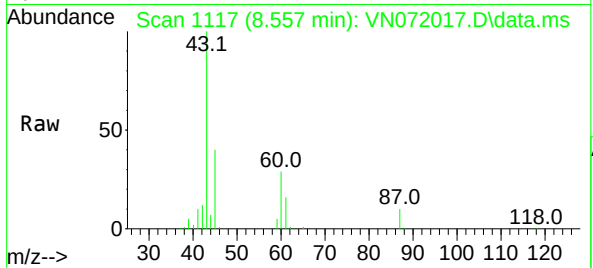




#43
Isopropyl Acetate
Concen: 7.172 ug/l
RT: 8.557 min Scan# 1116
Delta R.T. 0.006 min
Lab File: VN072017.D
Acq: 15 Apr 2022 21:39

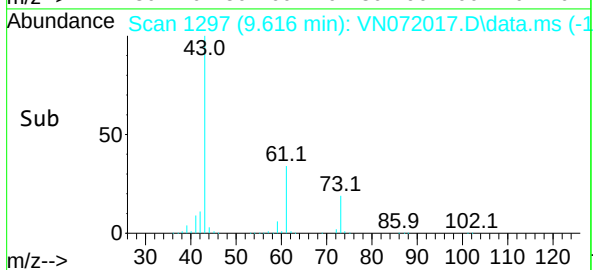
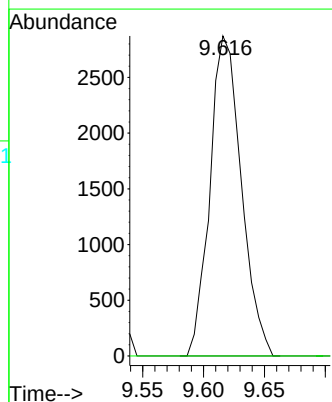
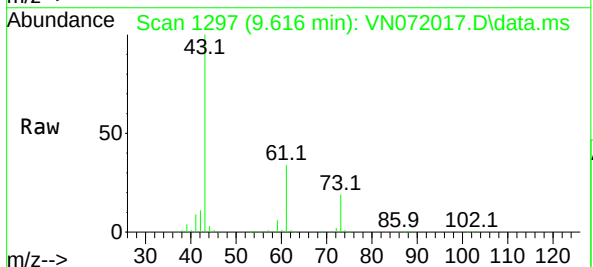
Instrument :
MSVOA_N
ClientSampleId :
PB144101ZHE#05

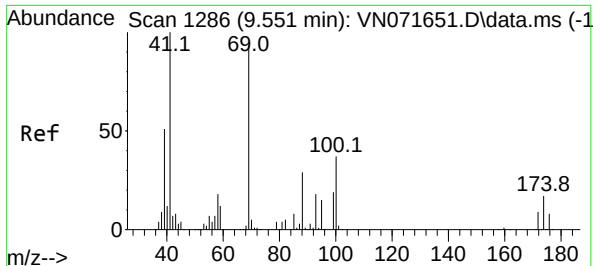
Tgt Ion: 43 Resp: 127417
Ion Ratio Lower Upper
43 100
61 11.4 21.9 32.9#
87 6.7 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.669 ug/l
RT: 9.616 min Scan# 1297
Delta R.T. 0.130 min
Lab File: VN072017.D
Acq: 15 Apr 2022 21:39

Tgt Ion: 63 Resp: 5152
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#

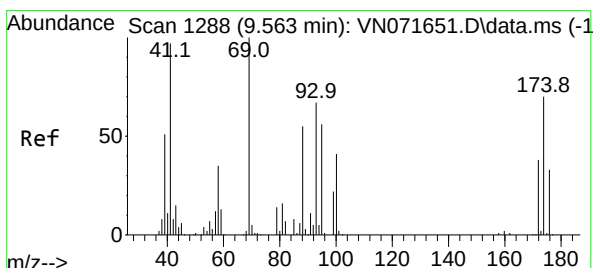
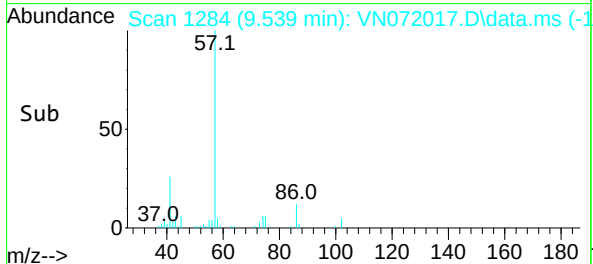
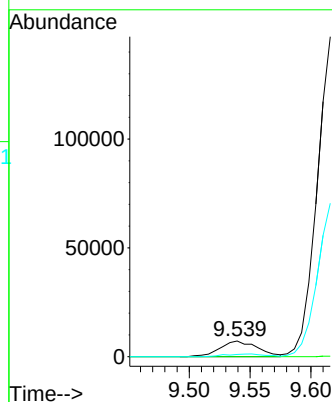
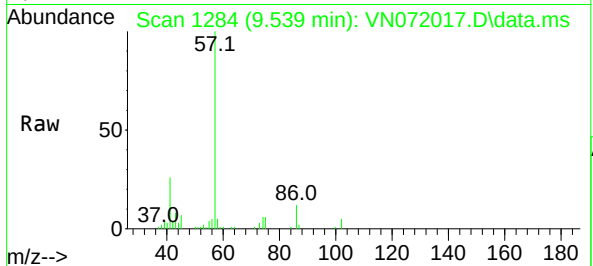




#48
Methyl methacrylate
Concen: 2.079 ug/l
RT: 9.539 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN072017.D
Acq: 15 Apr 2022 21:39

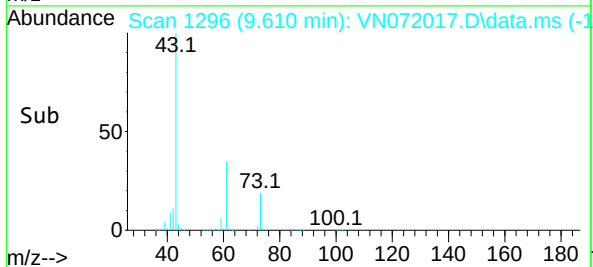
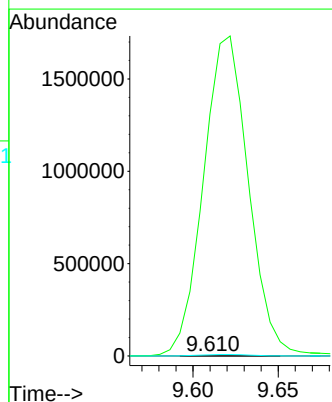
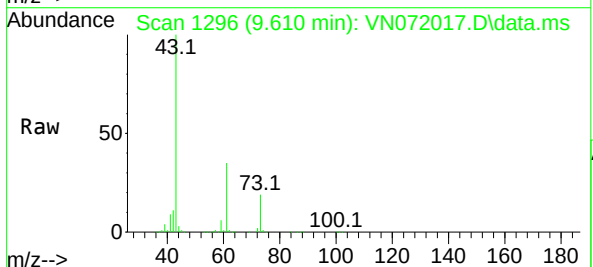
Instrument :
MSVOA_N
ClientSampleId :
PB144101ZHE#05

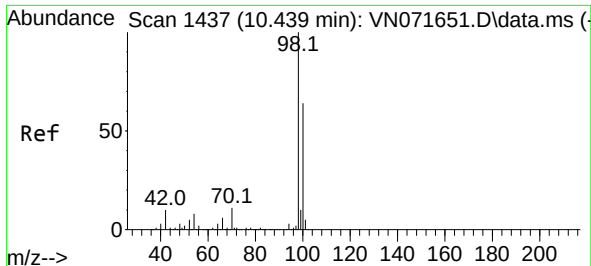
Tgt Ion: 41 Resp: 15325
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 0.0 45.6 68.4#



#49
1,4-Dioxane
Concen: Below Cal
RT: 9.610 min Scan# 1296
Delta R.T. 0.047 min
Lab File: VN072017.D
Acq: 15 Apr 2022 21:39

Tgt Ion: 88 Resp: 577
Ion Ratio Lower Upper
88 100
43 557110.2 20.2 30.4#
58 2632.4 54.2 81.4#

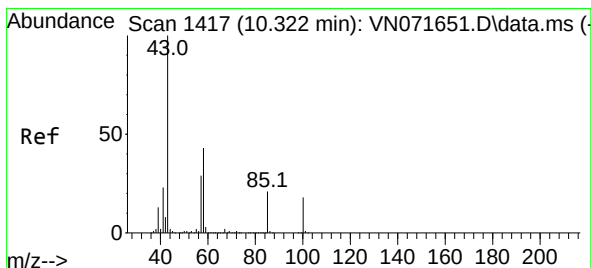
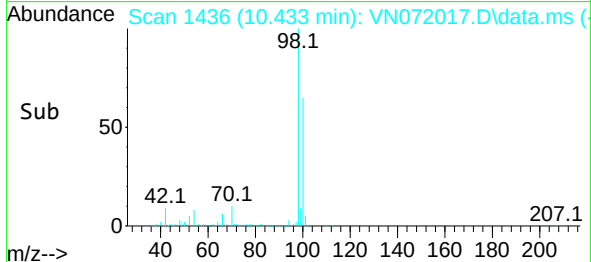
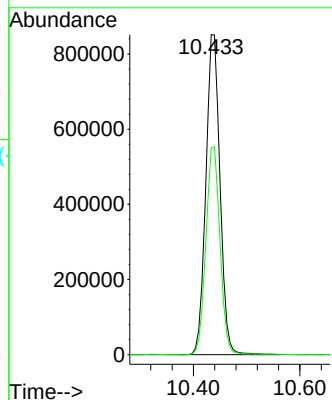
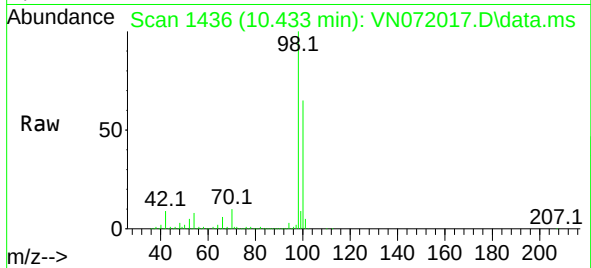




#50
Toluene-d8
Concen: 55.110 ug/l
RT: 10.433 min Scan# 1436
Delta R.T. -0.006 min
Lab File: VN072017.D
Acq: 15 Apr 2022 21:39

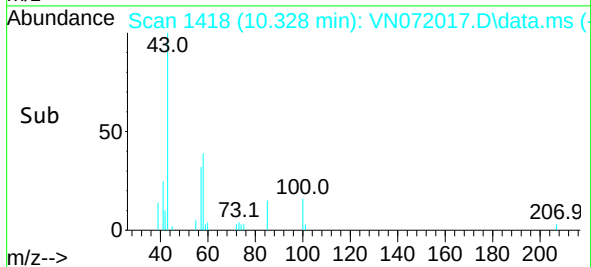
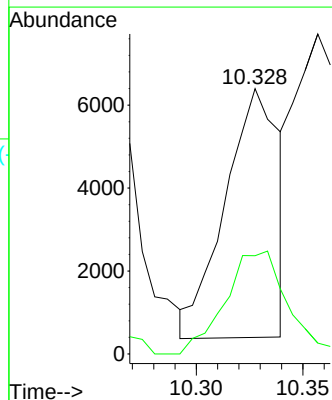
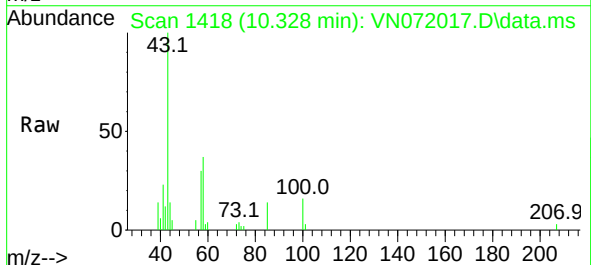
Instrument :
MSVOA_N
ClientSampleId :
PB144101ZHE#05

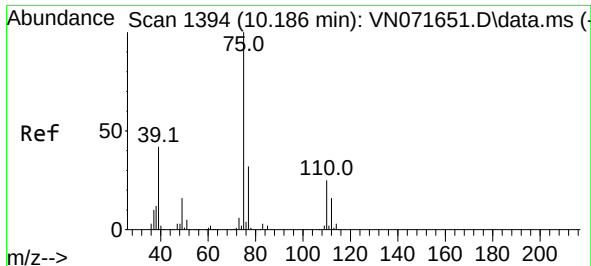
Tgt Ion: 98 Resp: 1575357
Ion Ratio Lower Upper
98 100
100 64.9 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.032 ug/l
RT: 10.328 min Scan# 1418
Delta R.T. 0.006 min
Lab File: VN072017.D
Acq: 15 Apr 2022 21:39

Tgt Ion: 43 Resp: 10539
Ion Ratio Lower Upper
43 100
58 47.0 34.1 51.1

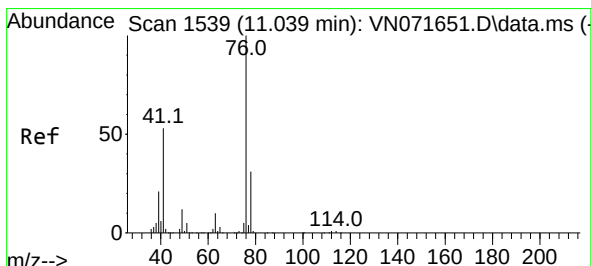
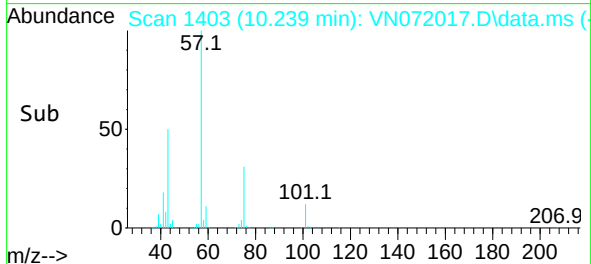
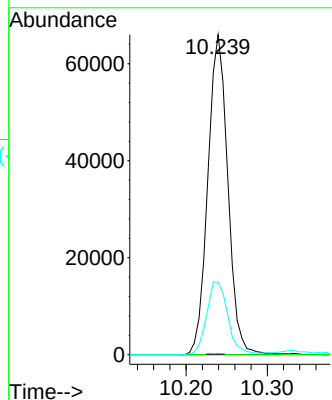
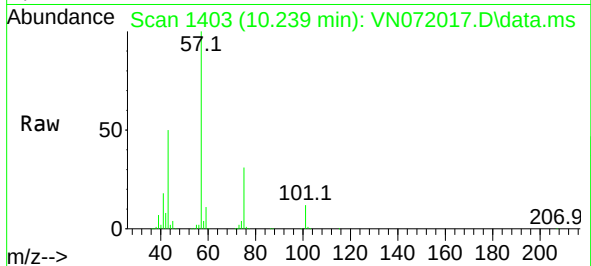




#54
 cis-1,3-Dichloropropene
 Concen: 9.463 ug/l
 RT: 10.239 min Scan# 1403
 Delta R.T. 0.053 min
 Lab File: VN072017.D
 Acq: 15 Apr 2022 21:39

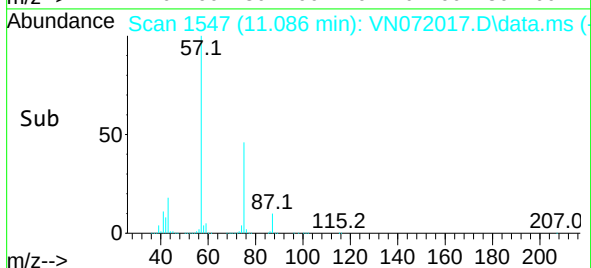
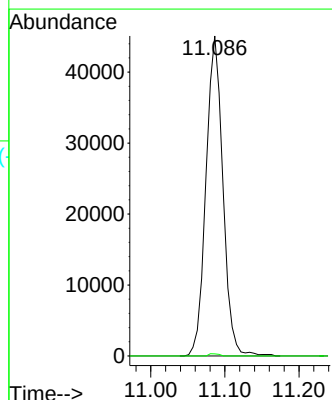
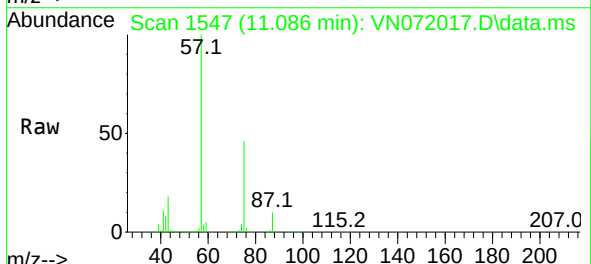
Instrument :
 MSVOA_N
 ClientSampleId :
 PB144101ZHE#05

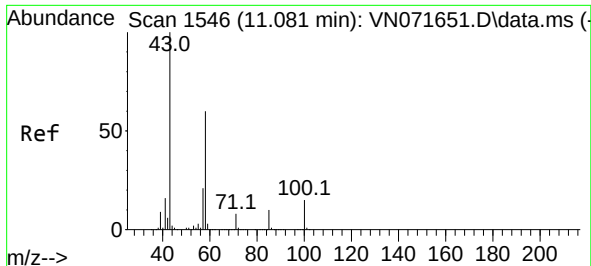
Tgt Ion: 75 Resp: 112788
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.2 37.8#
 39 22.6 35.7 53.5#



#57
 1,3-Dichloropropane
 Concen: 5.338 ug/l
 RT: 11.086 min Scan# 1547
 Delta R.T. 0.047 min
 Lab File: VN072017.D
 Acq: 15 Apr 2022 21:39

Tgt Ion: 76 Resp: 71579
 Ion Ratio Lower Upper
 76 100
 78 0.4 26.2 39.2#

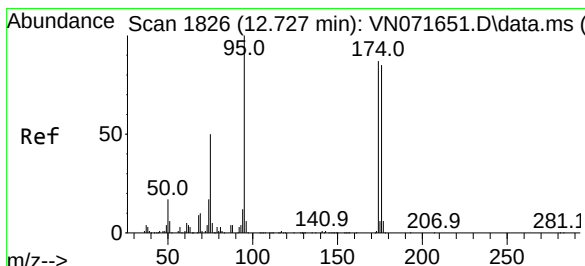
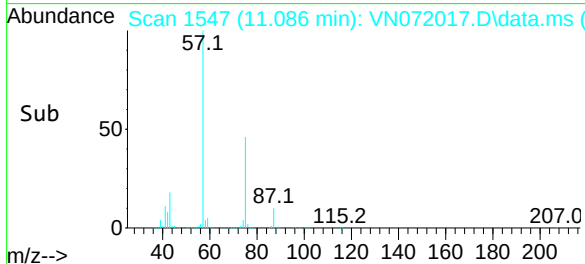
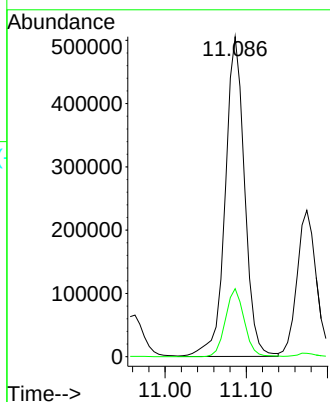
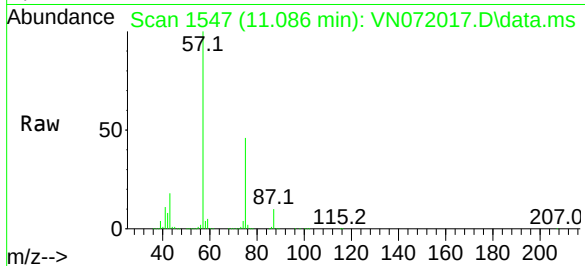




#59
2-Hexanone
Concen: 116.502 ug/l
RT: 11.086 min Scan# 1154
Delta R.T. 0.005 min
Lab File: VN072017.D
Acq: 15 Apr 2022 21:39

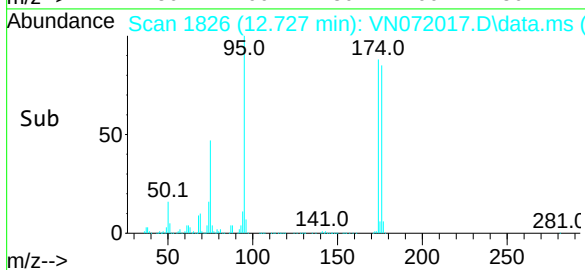
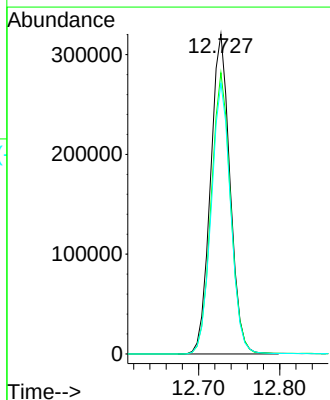
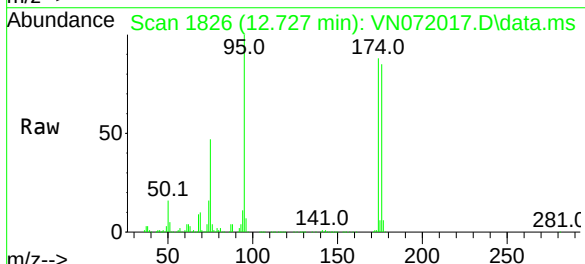
Instrument :
MSVOA_N
ClientSampleId :
PB144101ZHE#05

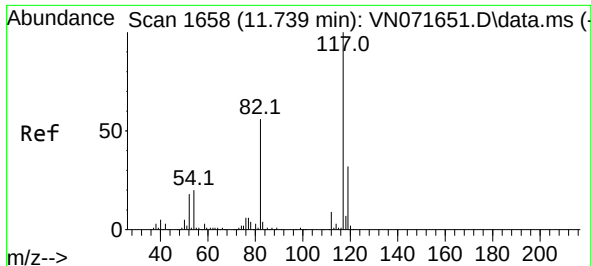
Tgt Ion: 43 Resp: 837793
Ion Ratio Lower Upper
43 100
58 20.6 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 57.883 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072017.D
Acq: 15 Apr 2022 21:39

Tgt Ion: 95 Resp: 535128
Ion Ratio Lower Upper
95 100
174 87.2 0.0 167.6
176 84.0 0.0 163.4

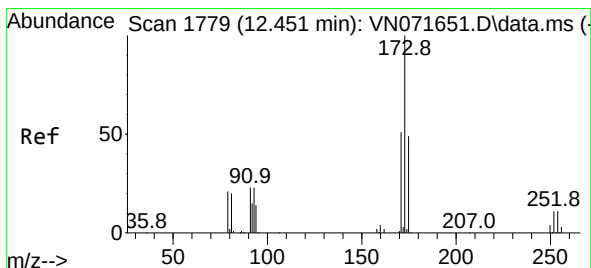
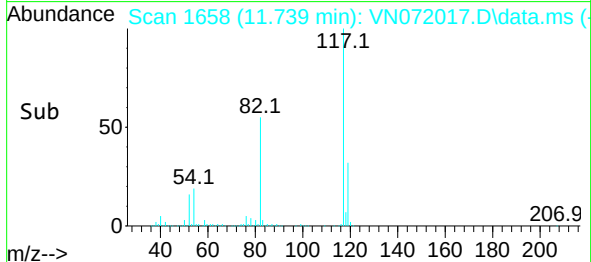
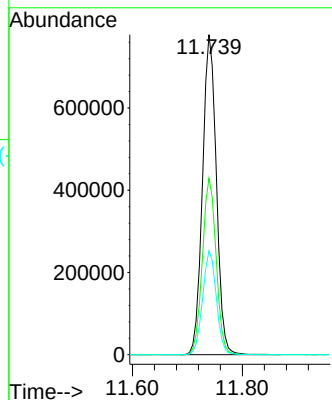
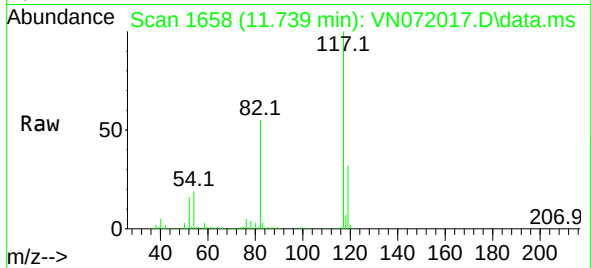




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN072017.D
Acq: 15 Apr 2022 21:39

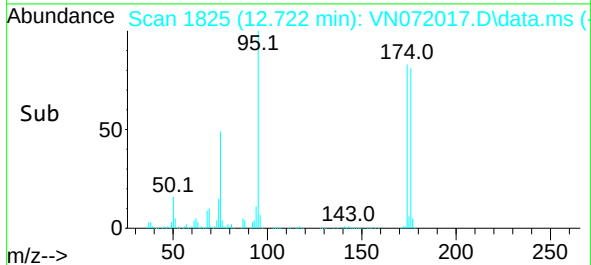
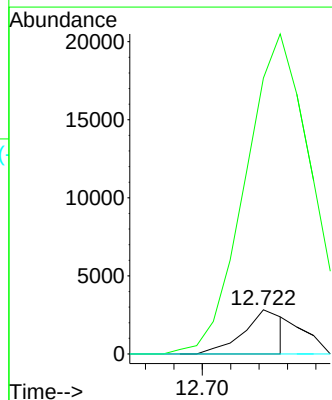
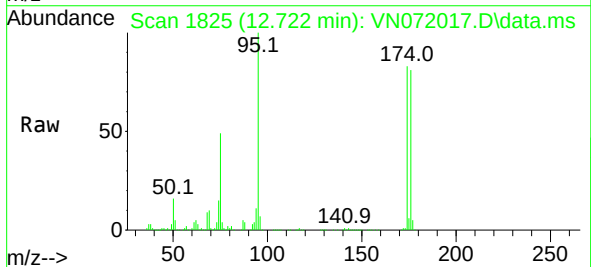
Instrument :
MSVOA_N
ClientSampleId :
PB144101ZHE#05

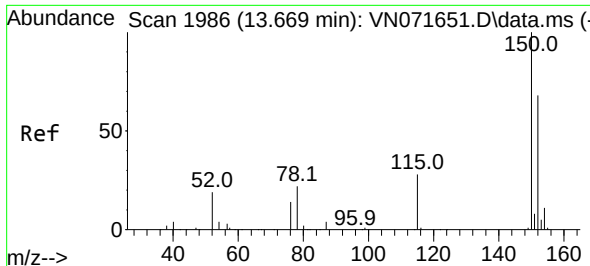
Tgt Ion:117 Resp: 1361101
Ion Ratio Lower Upper
117 100
82 55.2 44.2 66.2
119 32.5 25.4 38.0



#71
Bromoform
Concen: 0.366 ug/l
RT: 12.722 min Scan# 1825
Delta R.T. 0.271 min
Lab File: VN072017.D
Acq: 15 Apr 2022 21:39

Tgt Ion:173 Resp: 2744
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#

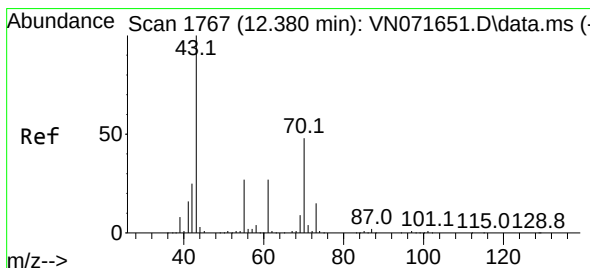
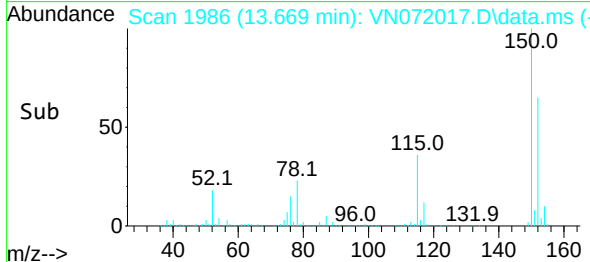
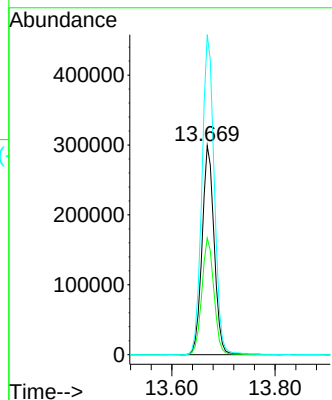
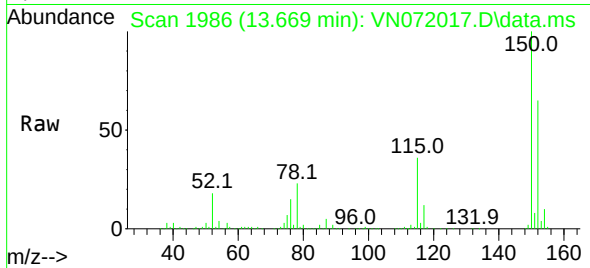




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. -0.000 min
Lab File: VN072017.D
Acq: 15 Apr 2022 21:39

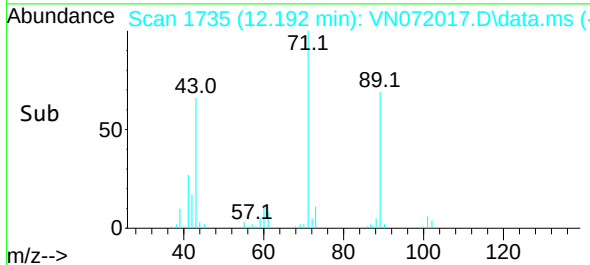
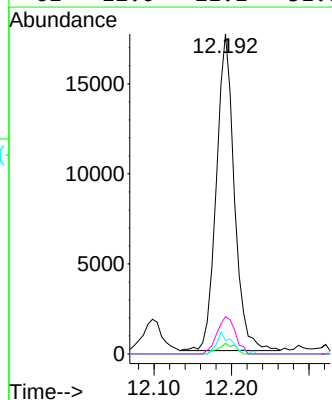
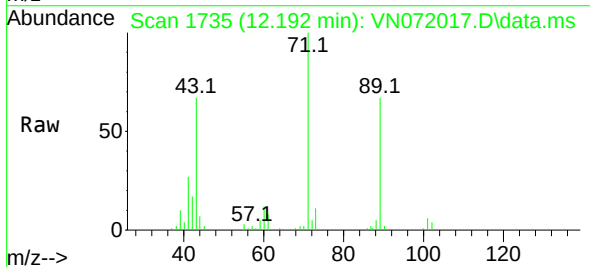
Instrument :
MSVOA_N
ClientSampleId :
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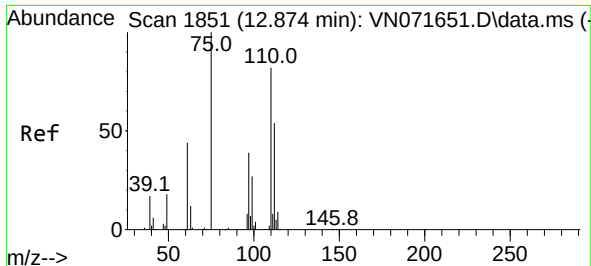
Tgt Ion:152 Resp: 485836
Ion Ratio Lower Upper
152 100
115 55.9 28.9 86.7
150 156.1 0.0 356.2



#74
N-ethyl acetate
Concen: 2.413 ug/l
RT: 12.192 min Scan# 1735
Delta R.T. -0.188 min
Lab File: VN072017.D
Acq: 15 Apr 2022 21:39

Tgt Ion: 43 Resp: 28302
Ion Ratio Lower Upper
43 100
70 3.1 39.0 58.4#
55 6.0 21.1 31.7#
61 12.0 21.1 31.7#

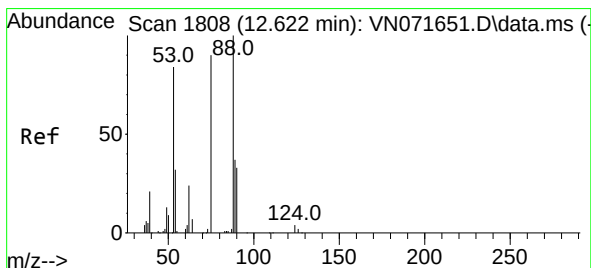
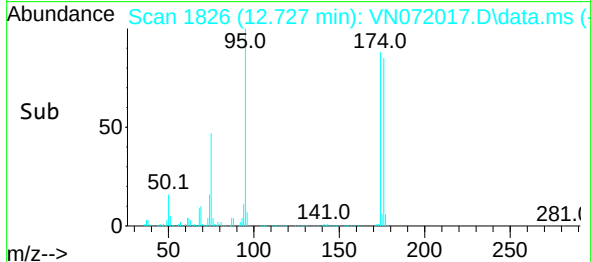
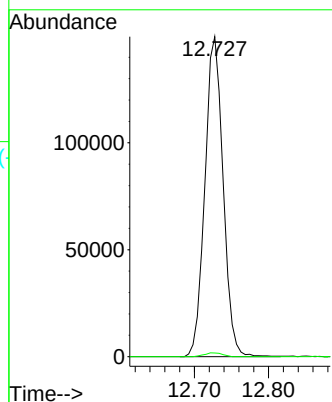
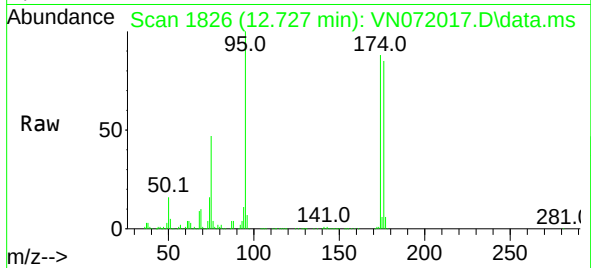




#76
1,2,3-Trichloropropane
Concen: 22.702 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072017.D
Acq: 15 Apr 2022 21:39

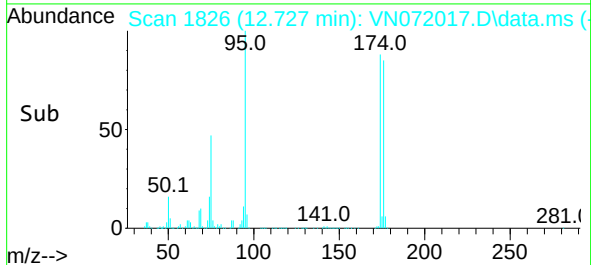
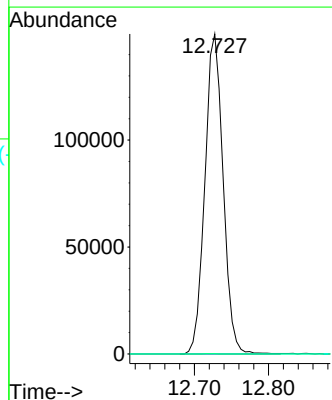
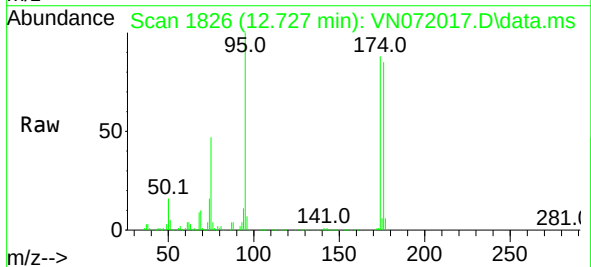
Instrument :
MSVOA_N
ClientSampleId :
PB144101ZHE#05

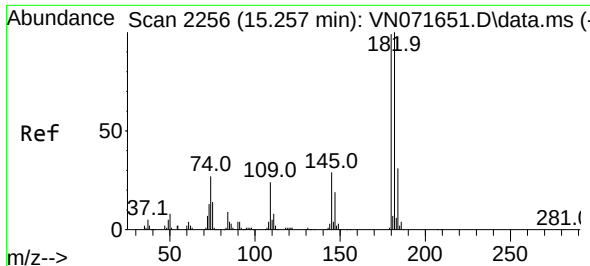
Tgt Ion: 75 Resp: 255508
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.353 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN072017.D
Acq: 15 Apr 2022 21:39

Tgt Ion: 75 Resp: 255508
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#

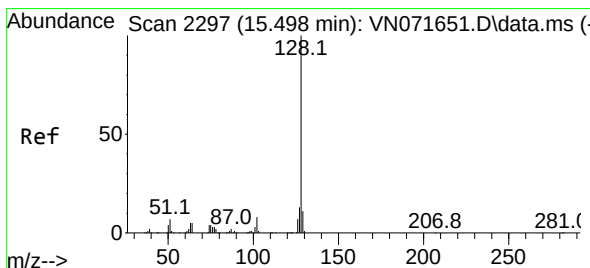
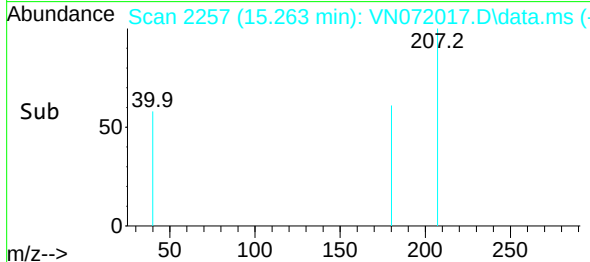
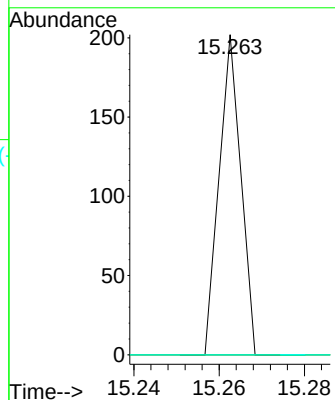
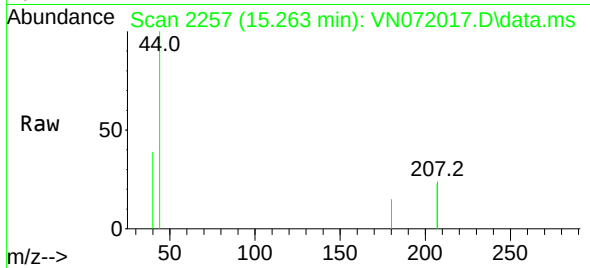




#93
1,2,4-Trichlorobenzene
Concen: 2.095 ug/l
RT: 15.263 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN072017.D
Acq: 15 Apr 2022 21:39

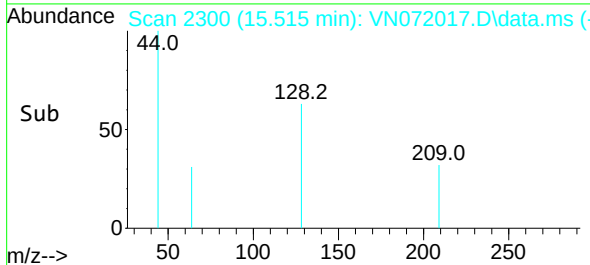
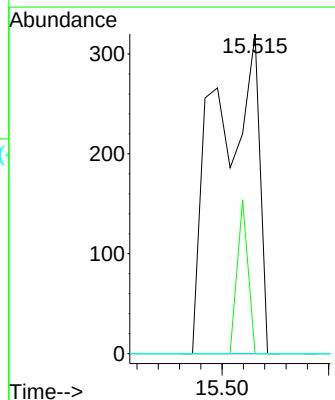
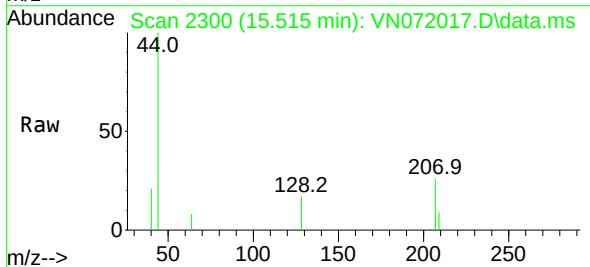
Instrument :
MSVOA_N
ClientSampleId :
PB144101ZHE#05

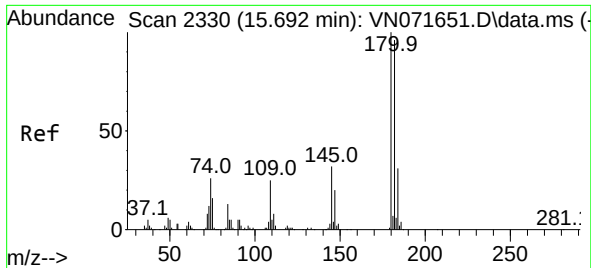
Tgt Ion:180 Resp: 71
Ion Ratio Lower Upper
180 100
182 0.0 47.5 142.5#
145 0.0 14.5 43.5#



#95
Naphthalene
Concen: 3.821 ug/l
RT: 15.515 min Scan# 2300
Delta R.T. 0.017 min
Lab File: VN072017.D
Acq: 15 Apr 2022 21:39

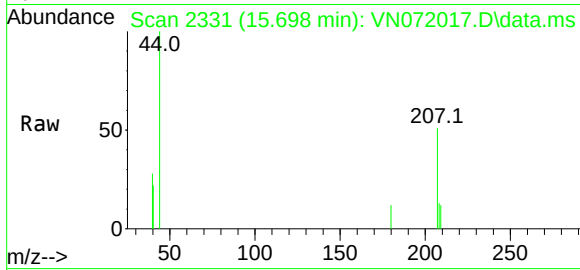
Tgt Ion:128 Resp: 441
Ion Ratio Lower Upper
128 100
127 12.2 10.3 15.5
129 0.0 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.421 ug/l
 RT: 15.698 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN072017.D
 Acq: 15 Apr 2022 21:39

Instrument :
 MSVOA_N
 ClientSampleId :
 PB144101ZHE#05



Tgt Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.8	143.3#
145	0.0	15.5	46.5#

