

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042522\
 Data File : VN072184.D
 Acq On : 25 Apr 2022 17:04
 Operator : JC\MD
 Sample : PB144332ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB144332ZHE#03

Quant Time: Apr 26 05:40:19 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)

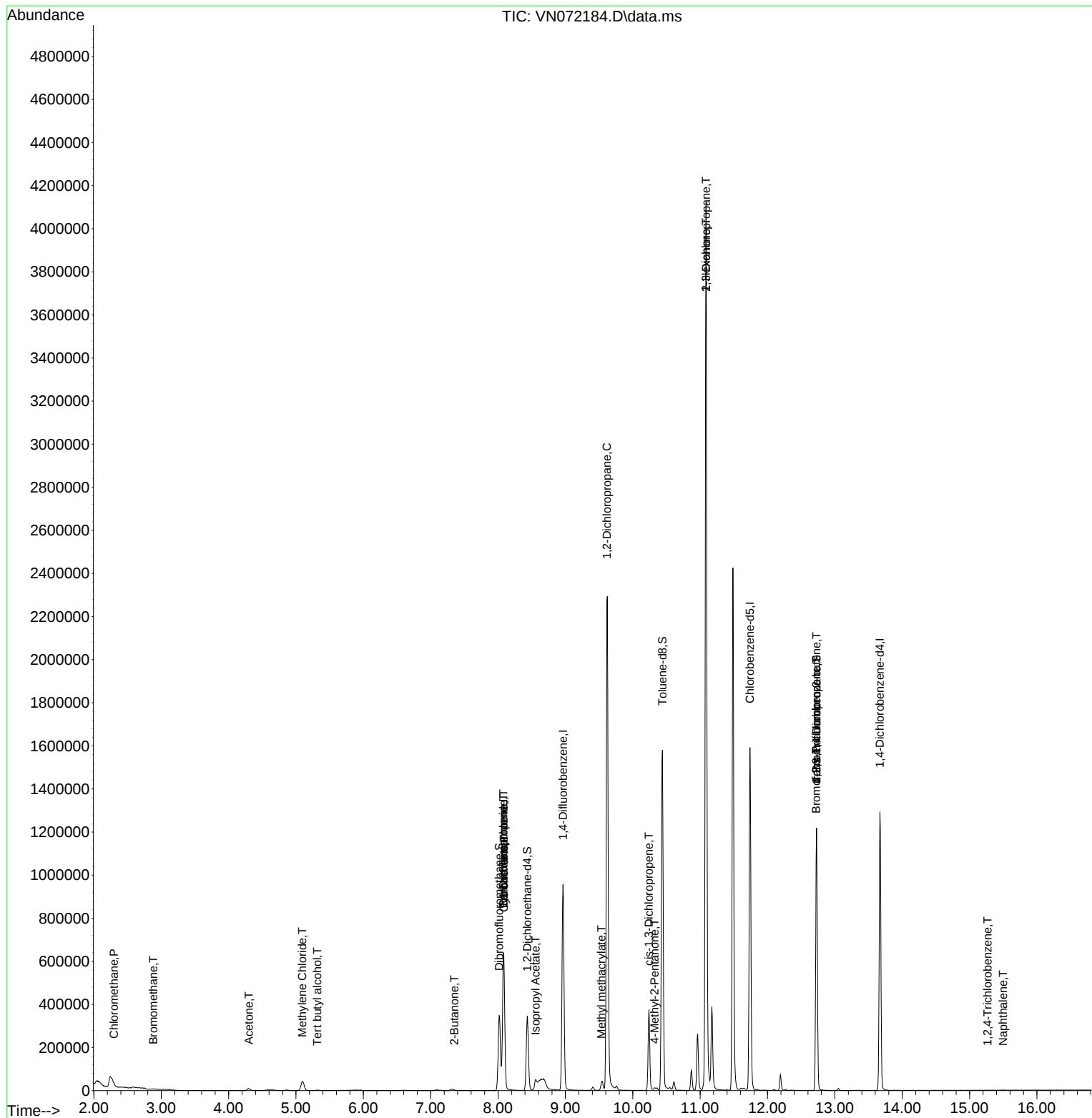
Internal Standards						
1) Pentafluorobenzene	8.081	168	550609	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	934230	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1038009	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	398687	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	275200	43.781	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	87.560%		
35) Dibromofluoromethane	8.016	113	263061	47.852	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.700%		
50) Toluene-d8	10.439	98	1200166	53.368	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	106.740%		
62) 4-Bromofluorobenzene	12.727	95	429949	59.114	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	118.220%		
Target Compounds						Qvalue
3) Chloromethane	2.299	50	1256	0.226	ug/l	98
5) Bromomethane	2.881	94	810	0.205	ug/l	91
11) Tert butyl alcohol	5.316	59	2781	2.726	ug/l #	72
16) Acetone	4.299	43	15839	5.896	ug/l	90
18) Methyl Acetate	4.869	43	5864	Below Cal		99
20) Methylene Chloride	5.093	84	40905	7.224	ug/l	88
25) 2-Butanone	7.351	43	5363	1.385	ug/l	94
31) Cyclohexane	8.087	56	7804	0.913	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	33600	4.377	ug/l #	49
38) Carbon Tetrachloride	8.081	117	47866	6.362	ug/l #	16
43) Isopropyl Acetate	8.557	43	64139	4.589	ug/l #	82
45) 1,2-Dichloropropane	9.616	63	3449	0.569	ug/l #	44
48) Methyl methacrylate	9.534	41	10096	1.741	ug/l #	10
49) 1,4-Dioxane	9.616	88	220	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.322	43	5842	0.727	ug/l #	79
54) cis-1,3-Dichloropropene	10.239	75	80471	8.582	ug/l #	54
57) 1,3-Dichloropropane	11.086	76	49382	4.681	ug/l #	42
59) 2-Hexanone	11.086	43	540900	95.609	ug/l #	50
71) Bromoform	12.722	173	2210	0.387	ug/l #	28
76) 1,2,3-Trichloropropane	12.727	75	202289	21.903	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	202289	67.875	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.268	180	162	2.110	ug/l #	47
95) Naphthalene	15.498	128	2254	3.918	ug/l #	76

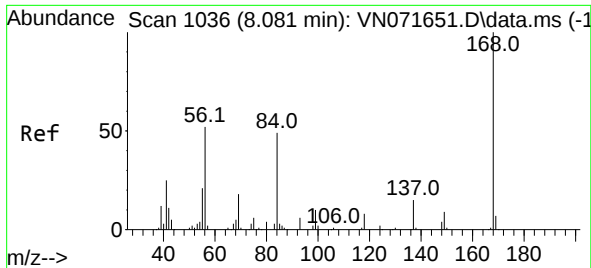
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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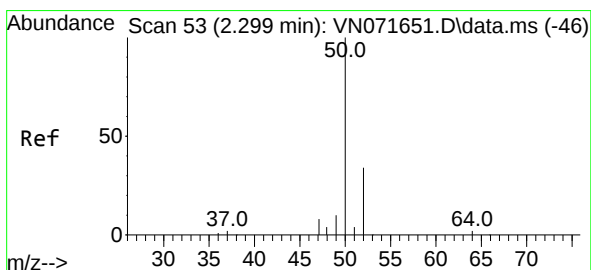
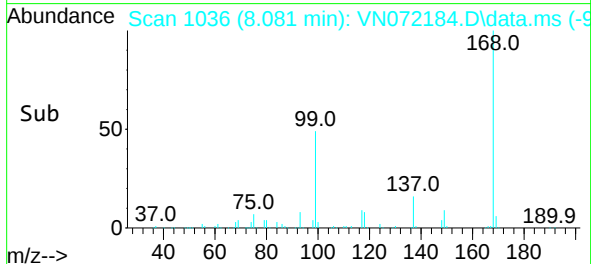
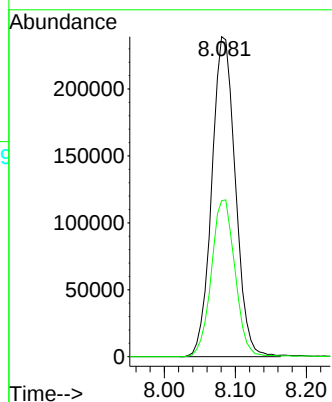
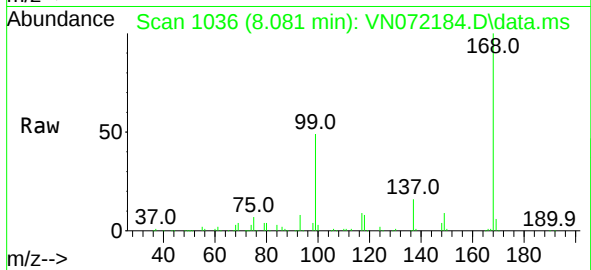




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN072184.D
Acq: 25 Apr 2022 17:04

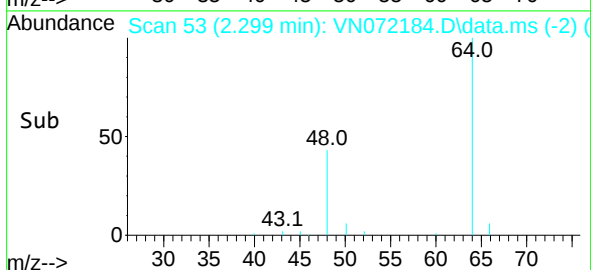
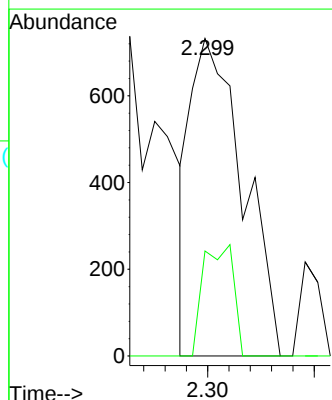
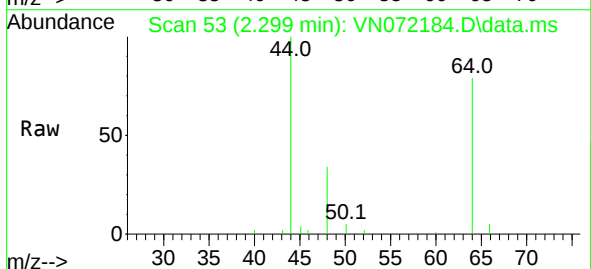
Instrument :
MSVOA_N
ClientSampleId :
PB144332ZHE#03

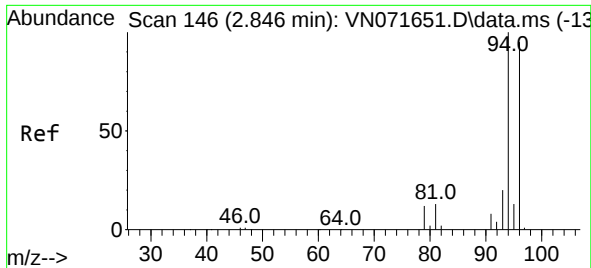
Tgt Ion:168 Resp: 550609
Ion Ratio Lower Upper
168 100
99 48.7 42.3 63.5



#3
Chloromethane
Concen: 0.226 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN072184.D
Acq: 25 Apr 2022 17:04

Tgt Ion: 50 Resp: 1256
Ion Ratio Lower Upper
50 100
52 33.1 25.7 38.5

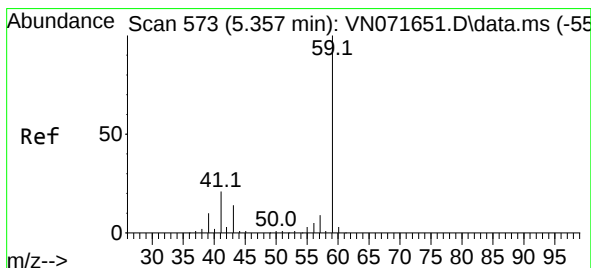
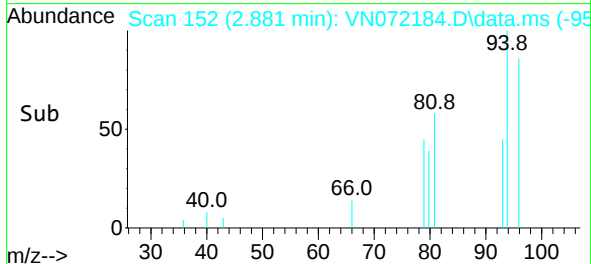
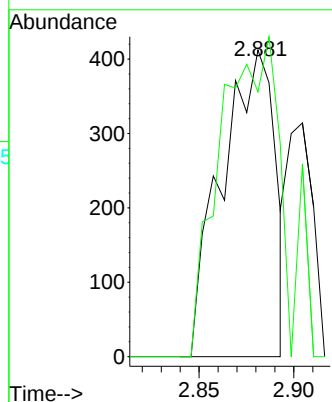
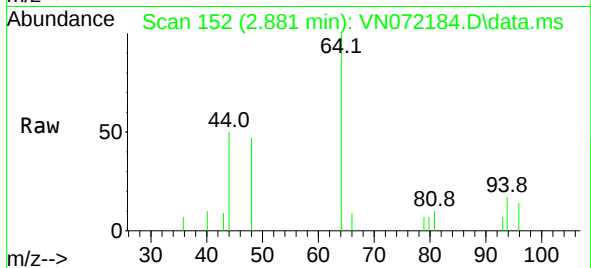




#5
Bromomethane
Concen: 0.205 ug/l
RT: 2.881 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN072184.D
Acq: 25 Apr 2022 17:04

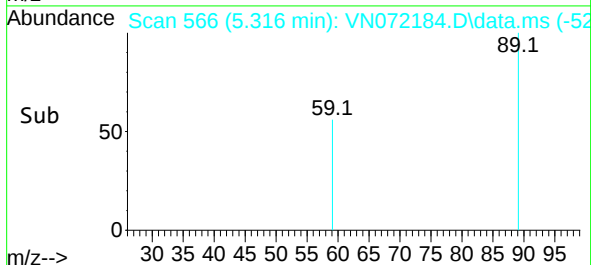
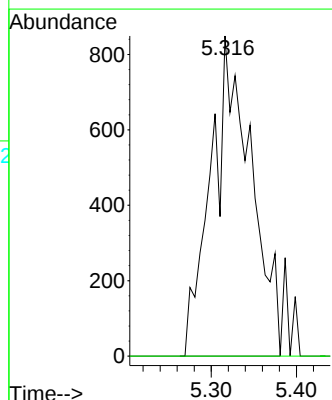
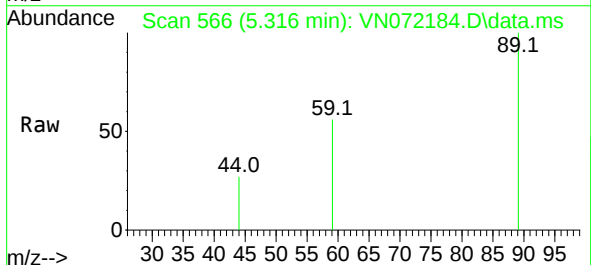
Instrument :
MSVOA_N
ClientSampleId :
PB144332ZHE#03

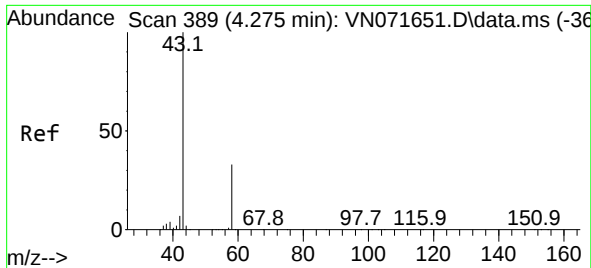
Tgt Ion: 94 Resp: 810
Ion Ratio Lower Upper
94 100
96 86.4 76.0 114.0



#11
Tert butyl alcohol
Concen: 2.726 ug/l
RT: 5.316 min Scan# 566
Delta R.T. -0.041 min
Lab File: VN072184.D
Acq: 25 Apr 2022 17:04

Tgt Ion: 59 Resp: 2781
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

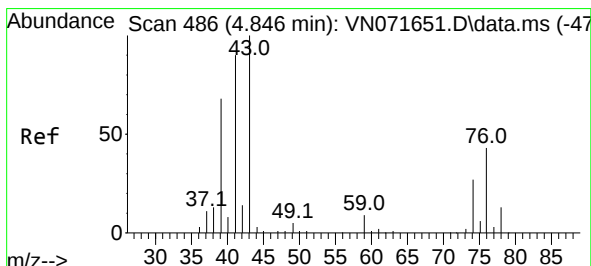
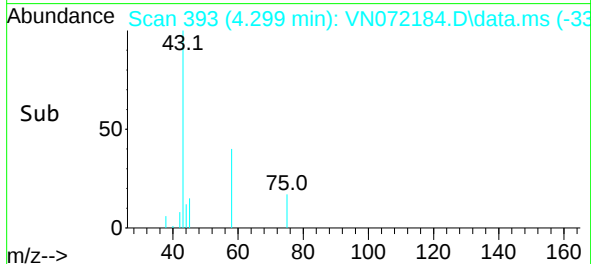
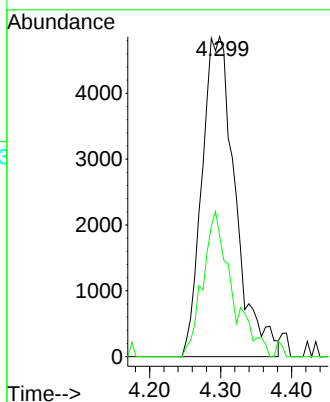
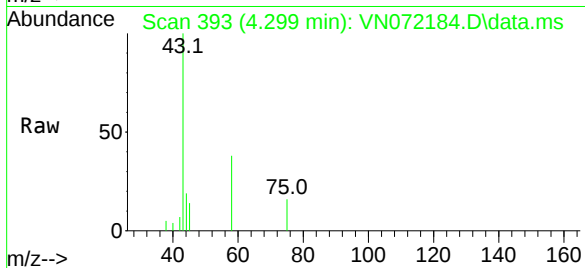




#16
Acetone
Concen: 5.896 ug/l
RT: 4.299 min Scan# 393
Delta R.T. 0.024 min
Lab File: VN072184.D
Acq: 25 Apr 2022 17:04

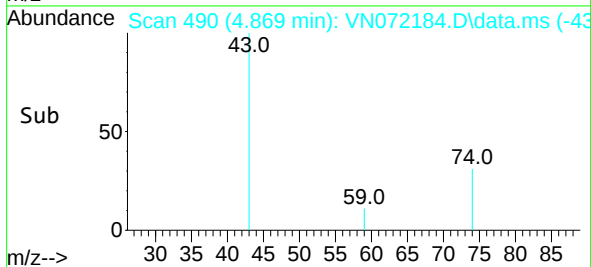
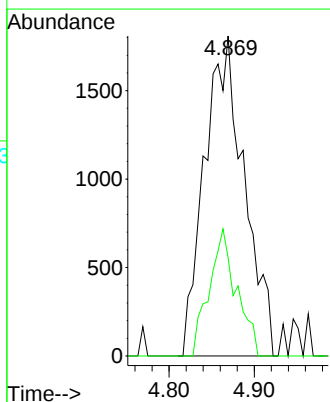
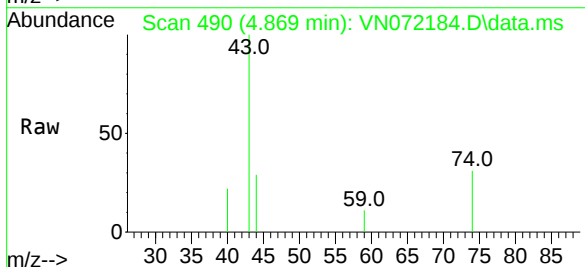
Instrument :
MSVOA_N
ClientSampleId :
PB144332ZHE#03

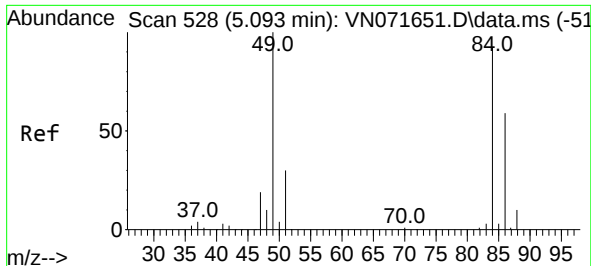
Tgt Ion: 43 Resp: 15839
Ion Ratio Lower Upper
43 100
58 37.8 26.0 39.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.869 min Scan# 490
Delta R.T. 0.023 min
Lab File: VN072184.D
Acq: 25 Apr 2022 17:04

Tgt Ion: 43 Resp: 5864
Ion Ratio Lower Upper
43 100
74 27.3 21.6 32.4

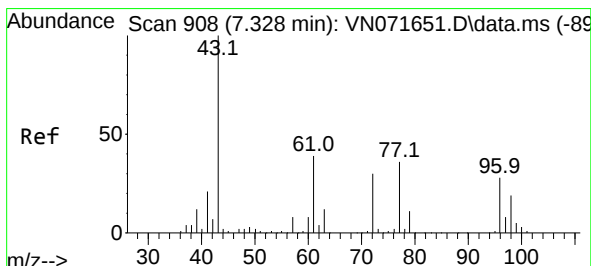
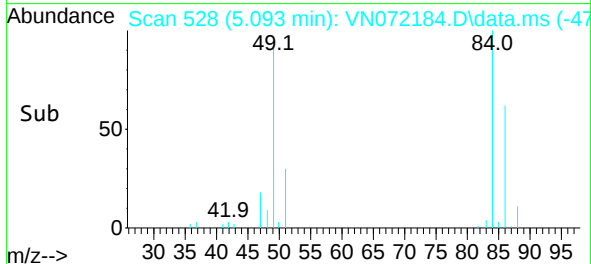
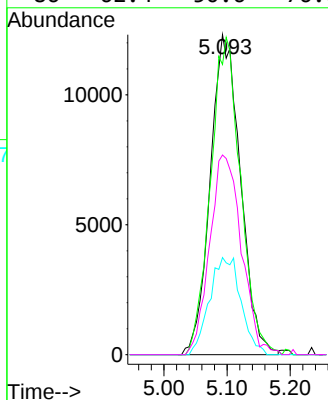
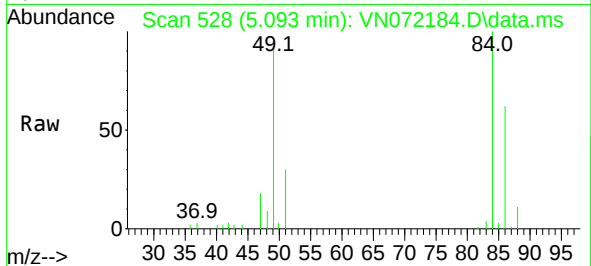




#20
Methylene Chloride
Concen: 7.224 ug/l
RT: 5.093 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN072184.D
Acq: 25 Apr 2022 17:04

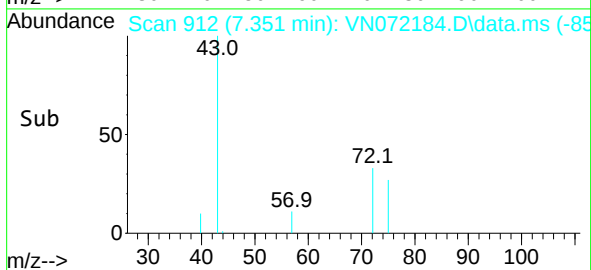
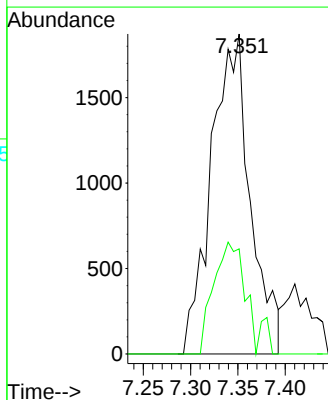
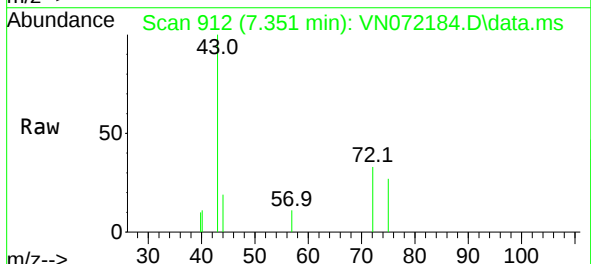
Instrument :
MSVOA_N
ClientSampleId :
PB144332ZHE#03

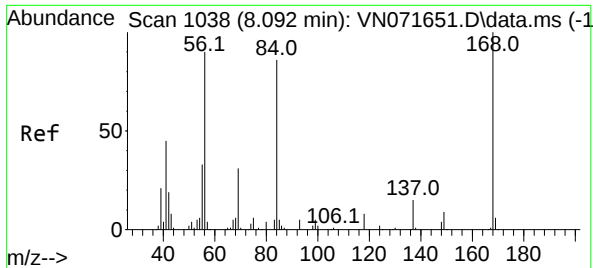
Tgt Ion: 84	Resp: 40905
Ion Ratio	Lower Upper
84 100	
49 90.7	88.3 132.5
51 30.4	28.2 42.2
86 62.4	50.6 76.0



#25
2-Butanone
Concen: 1.385 ug/l
RT: 7.351 min Scan# 912
Delta R.T. 0.023 min
Lab File: VN072184.D
Acq: 25 Apr 2022 17:04

Tgt Ion: 43	Resp: 5363		
Ion Ratio	Lower	Upper	
43 100			
72 32.9	23.7	35.5	

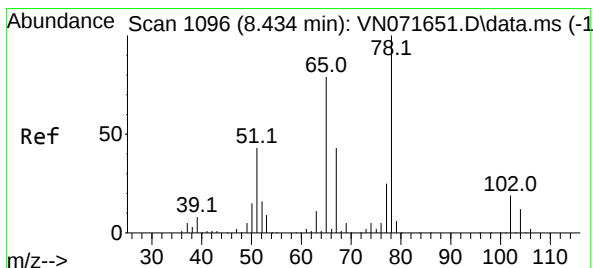
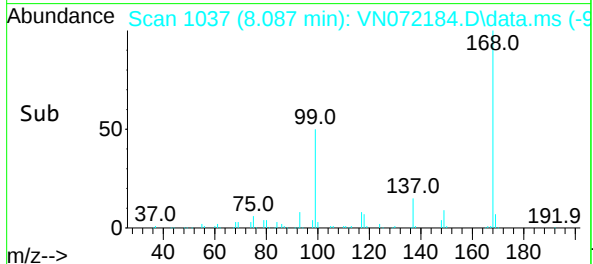
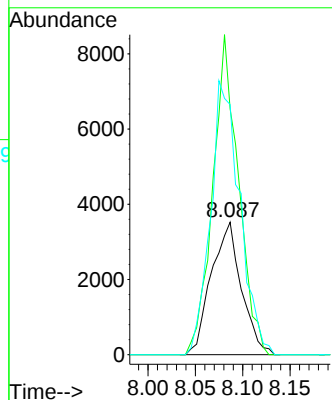
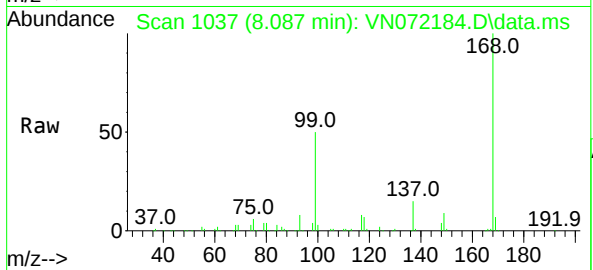




#31
Cyclohexane
Concen: 0.913 ug/l
RT: 8.087 min Scan# 1037
Delta R.T. -0.005 min
Lab File: VN072184.D
Acq: 25 Apr 2022 17:04

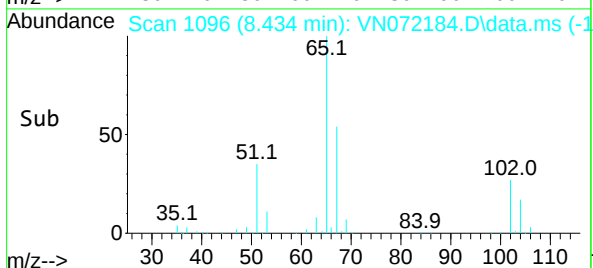
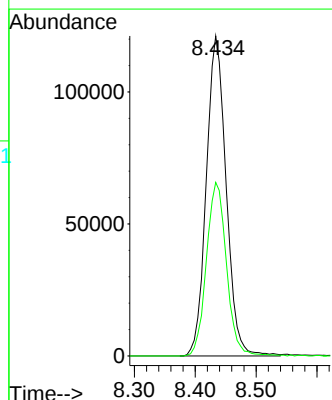
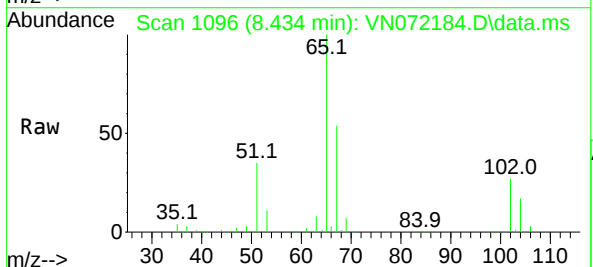
Instrument :
MSVOA_N
ClientSampleId :
PB144332ZHE#03

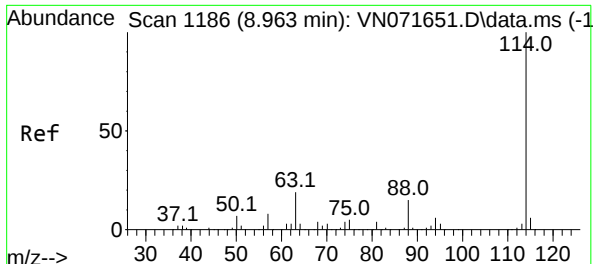
Tgt Ion: 56 Resp: 7804
Ion Ratio Lower Upper
56 100
69 185.5 27.8 41.8#
84 188.8 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 43.781 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN072184.D
Acq: 25 Apr 2022 17:04

Tgt Ion: 65 Resp: 275200
Ion Ratio Lower Upper
65 100
67 54.7 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: VN072184.D

Acq: 25 Apr 2022 17:04

Instrument :

MSVOA_N

ClientSampleId :

PB144332ZHE#03

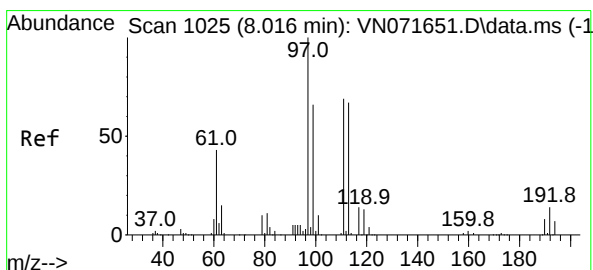
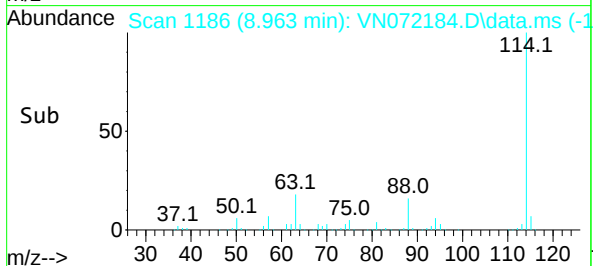
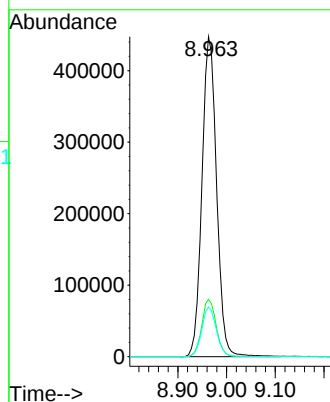
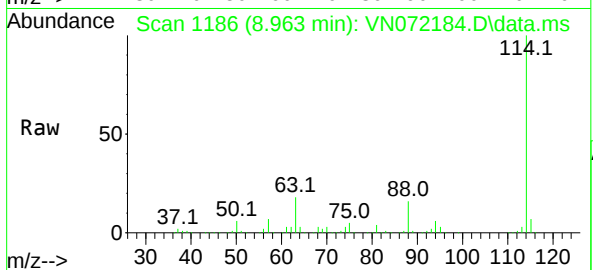
Tgt Ion:114 Resp: 934230

Ion Ratio Lower Upper

114 100

63 17.9 0.0 40.0

88 15.5 0.0 32.6



#35

Dibromofluoromethane

Concen: 47.852 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.000 min

Lab File: VN072184.D

Acq: 25 Apr 2022 17:04

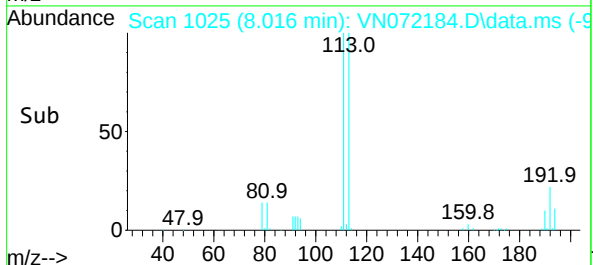
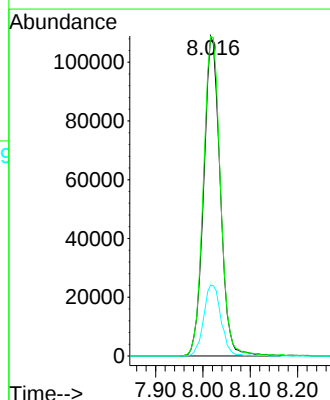
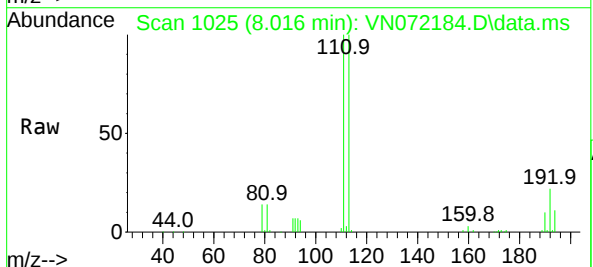
Tgt Ion:113 Resp: 263061

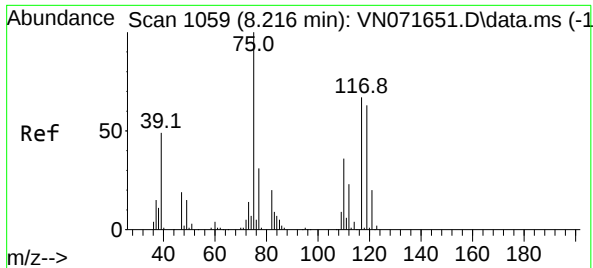
Ion Ratio Lower Upper

113 100

111 103.1 81.4 122.0

192 23.2 17.0 25.6

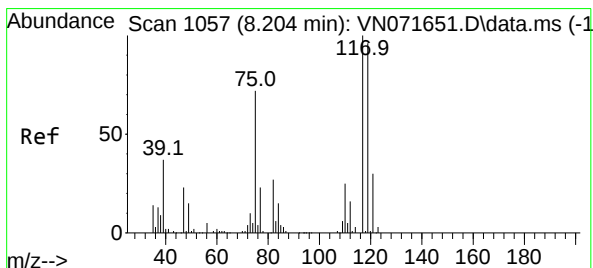
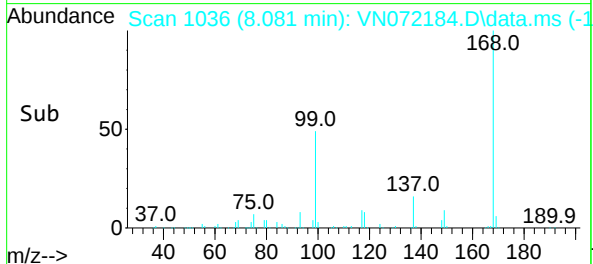
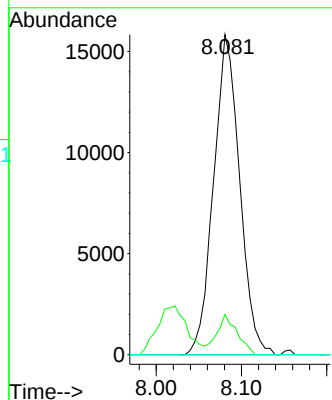
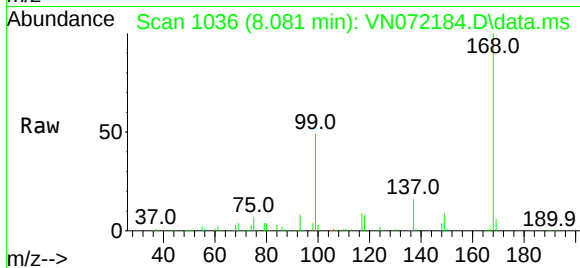




#36
 1,1-Dichloropropene
 Concen: 4.377 ug/l
 RT: 8.081 min Scan# 1036
 Delta R.T. -0.135 min
 Lab File: VN072184.D
 Acq: 25 Apr 2022 17:04

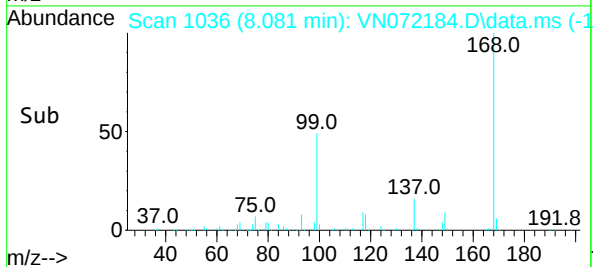
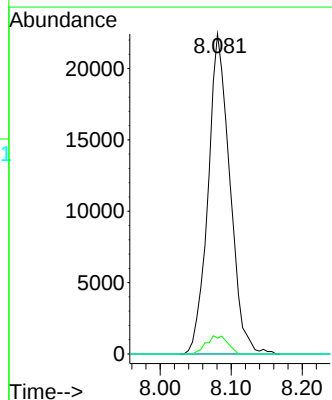
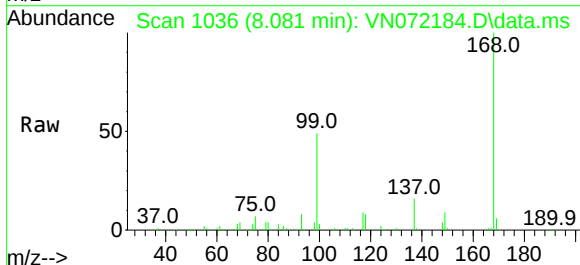
Instrument :
 MSVOA_N
 ClientSampleId :
 PB144332ZHE#03

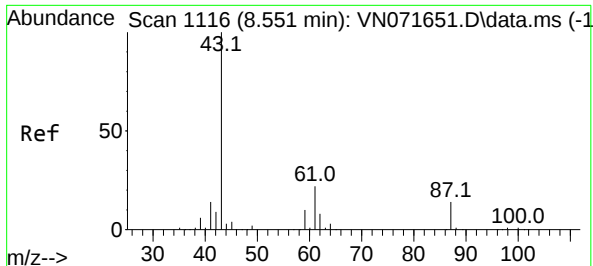
Tgt Ion: 75 Resp: 33600
 Ion Ratio Lower Upper
 75 100
 110 9.8 18.3 54.8#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 6.362 ug/l
 RT: 8.081 min Scan# 1036
 Delta R.T. -0.123 min
 Lab File: VN072184.D
 Acq: 25 Apr 2022 17:04

Tgt Ion: 117 Resp: 47866
 Ion Ratio Lower Upper
 117 100
 119 5.0 75.8 113.8#
 121 0.0 24.6 37.0#

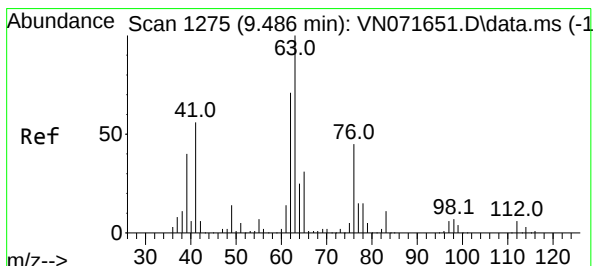
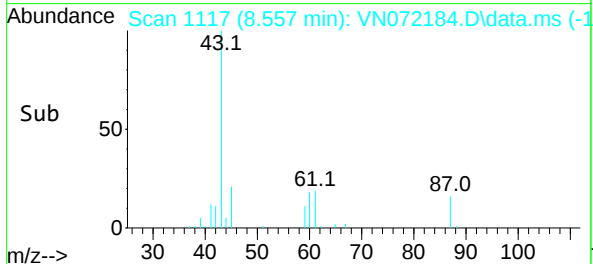
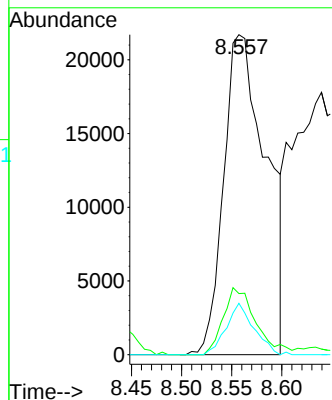
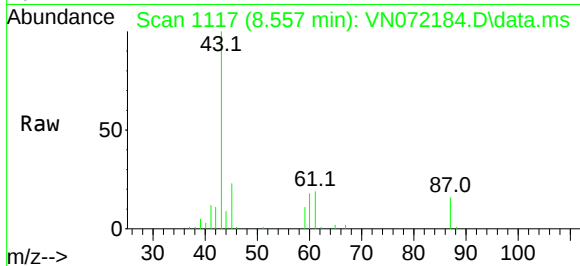




#43
Isopropyl Acetate
Concen: 4.589 ug/l
RT: 8.557 min Scan# 1116
Delta R.T. 0.006 min
Lab File: VN072184.D
Acq: 25 Apr 2022 17:04

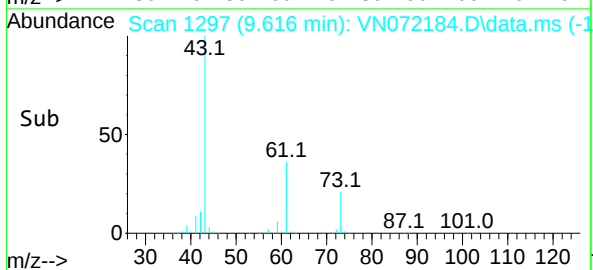
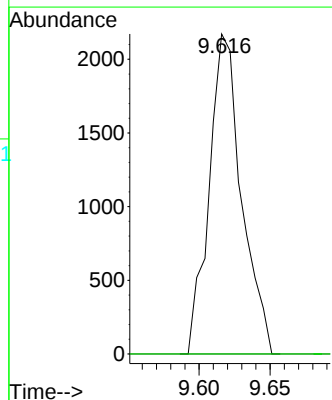
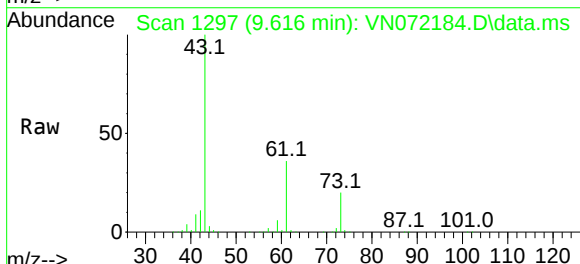
Instrument :
MSVOA_N
ClientSampleId :
PB144332ZHE#03

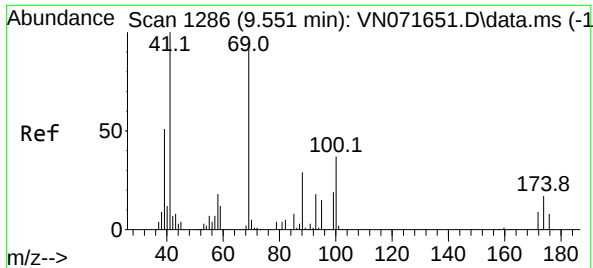
Tgt Ion: 43 Resp: 64139
Ion Ratio Lower Upper
43 100
61 16.0 21.9 32.9#
87 10.5 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.569 ug/l
RT: 9.616 min Scan# 1297
Delta R.T. 0.130 min
Lab File: VN072184.D
Acq: 25 Apr 2022 17:04

Tgt Ion: 63 Resp: 3449
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#

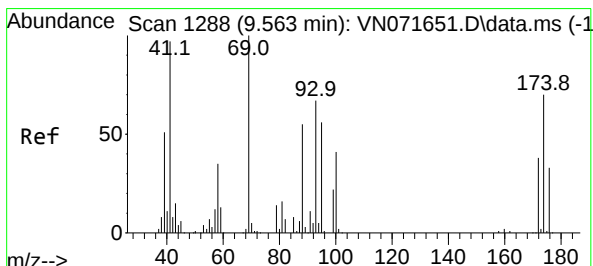
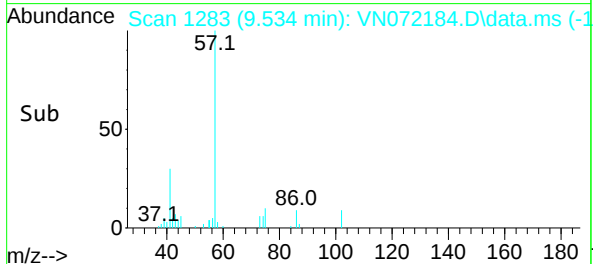
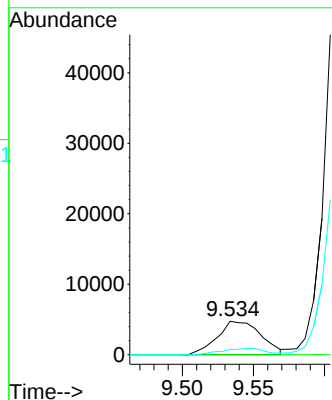
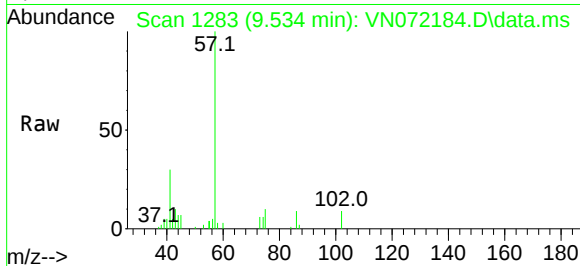




#48
Methyl methacrylate
Concen: 1.741 ug/l
RT: 9.534 min Scan# 1283
Delta R.T. -0.017 min
Lab File: VN072184.D
Acq: 25 Apr 2022 17:04

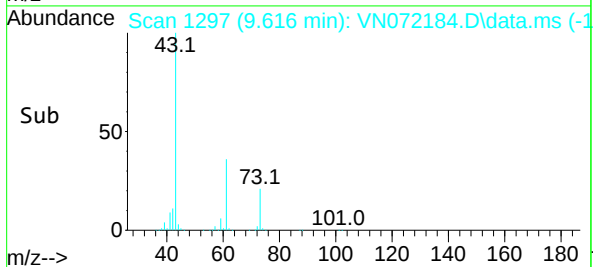
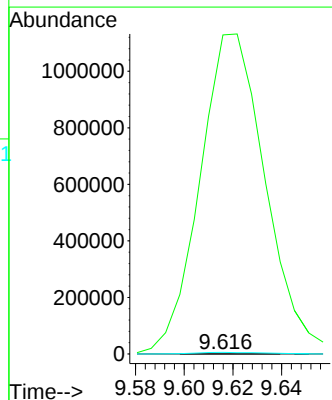
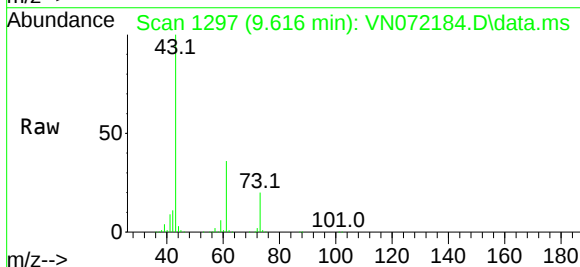
Instrument :
MSVOA_N
ClientSampleId :
PB144332ZHE#03

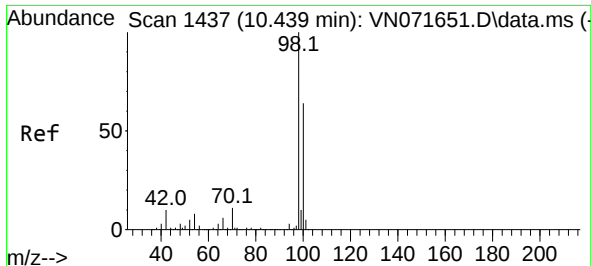
Tgt Ion: 41 Resp: 10096
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 0.0 45.6 68.4#



#49
1,4-Dioxane
Concen: Below Cal
RT: 9.616 min Scan# 1297
Delta R.T. 0.053 min
Lab File: VN072184.D
Acq: 25 Apr 2022 17:04

Tgt Ion: 88 Resp: 220
Ion Ratio Lower Upper
88 100
43 985376.8 20.2 30.4#
58 5189.1 54.2 81.4#

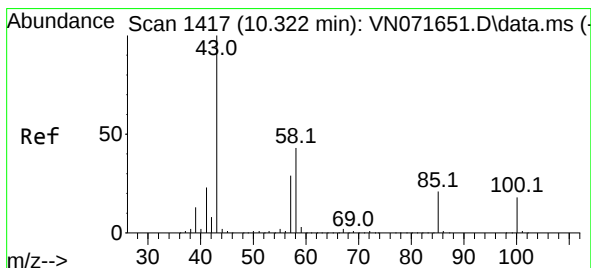
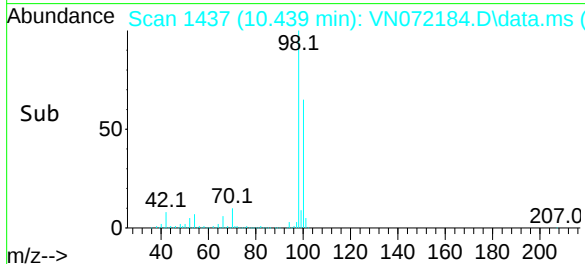
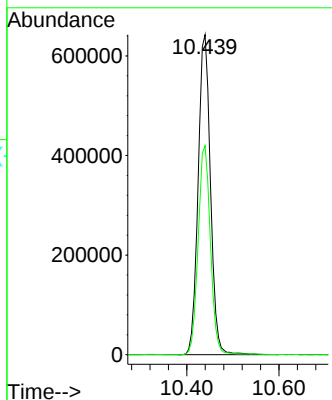
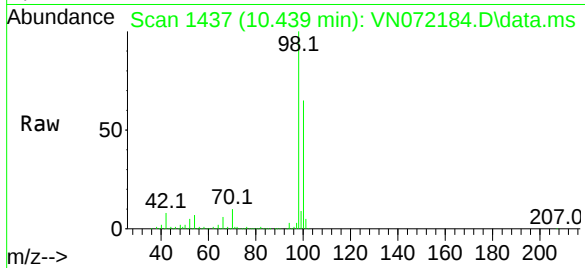




#50
Toluene-d8
Concen: 53.368 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072184.D
Acq: 25 Apr 2022 17:04

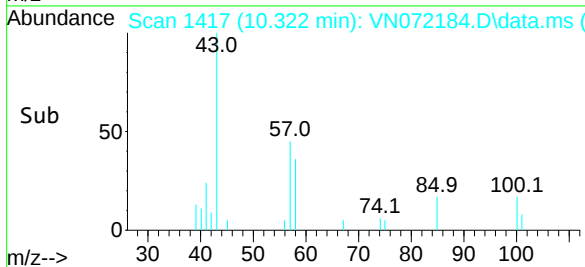
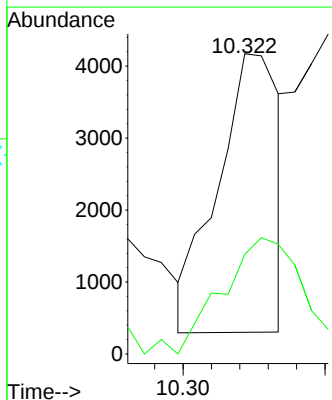
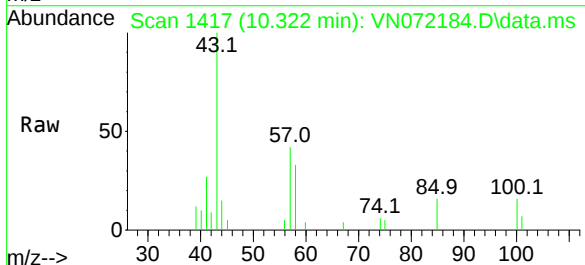
Instrument :
MSVOA_N
ClientSampleId :
PB144332ZHE#03

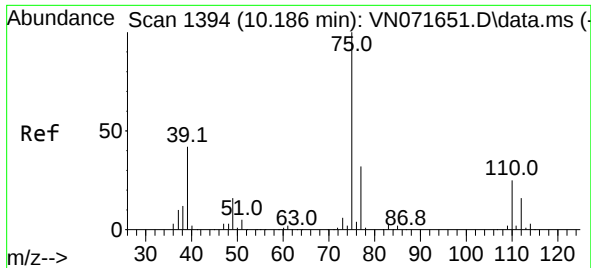
Tgt Ion: 98 Resp: 1200166
Ion Ratio Lower Upper
98 100
100 64.8 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.727 ug/l
RT: 10.322 min Scan# 1417
Delta R.T. -0.000 min
Lab File: VN072184.D
Acq: 25 Apr 2022 17:04

Tgt Ion: 43 Resp: 5842
Ion Ratio Lower Upper
43 100
58 55.9 34.1 51.1#

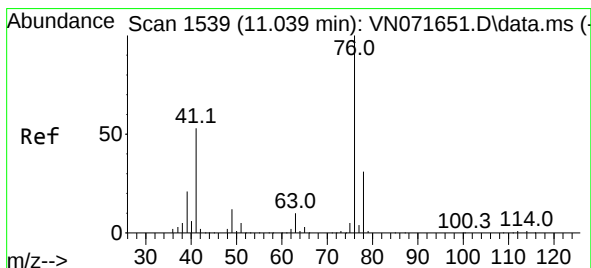
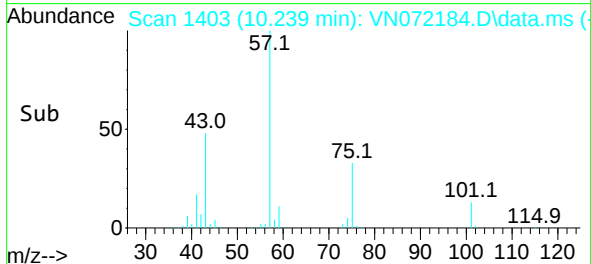
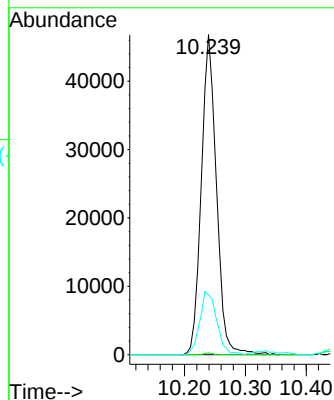
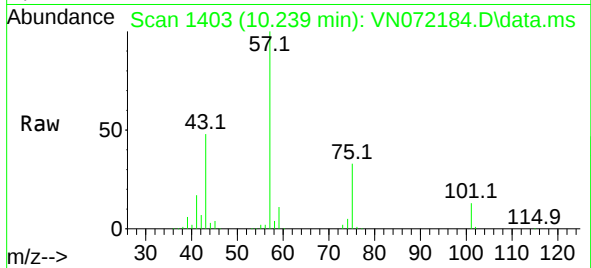




#54
 cis-1,3-Dichloropropene
 Concen: 8.582 ug/l
 RT: 10.239 min Scan# 1403
 Delta R.T. 0.053 min
 Lab File: VN072184.D
 Acq: 25 Apr 2022 17:04

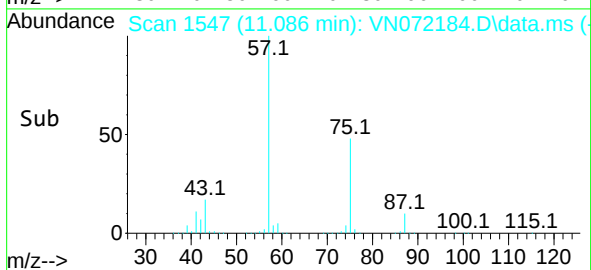
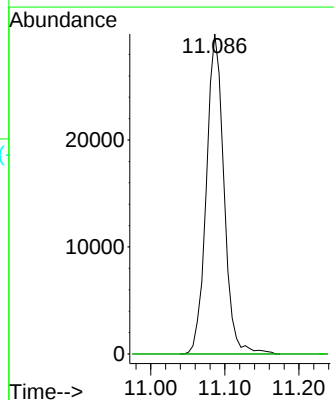
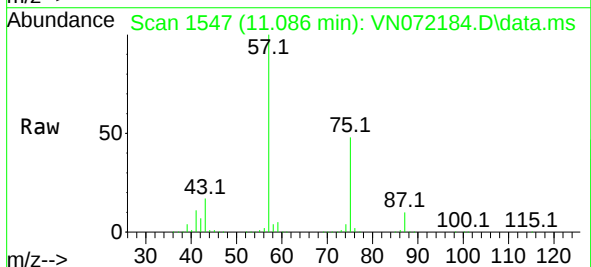
Instrument :
 MSVOA_N
 ClientSampleId :
 PB144332ZHE#03

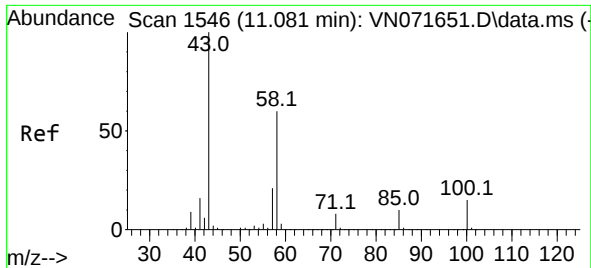
Tgt Ion: 75 Resp: 80471
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.2 37.8#
 39 18.7 35.7 53.5#



#57
 1,3-Dichloropropane
 Concen: 4.681 ug/l
 RT: 11.086 min Scan# 1547
 Delta R.T. 0.047 min
 Lab File: VN072184.D
 Acq: 25 Apr 2022 17:04

Tgt Ion: 76 Resp: 49382
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#

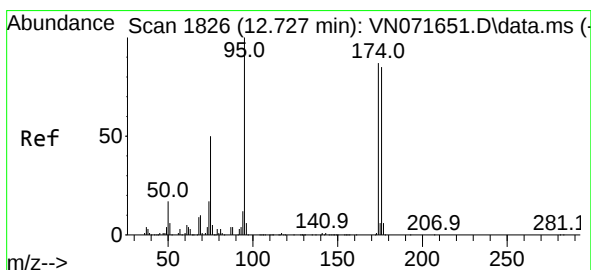
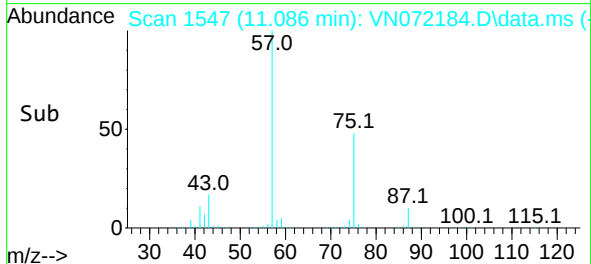
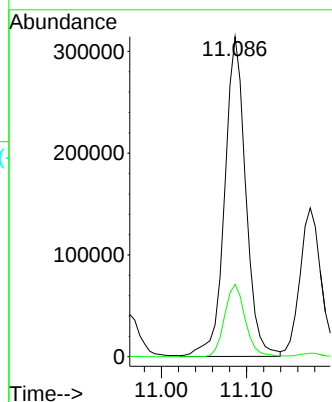
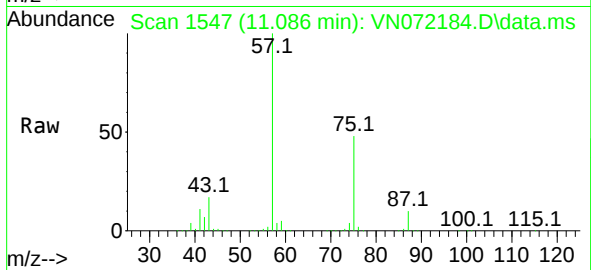




#59
2-Hexanone
Concen: 95.609 ug/l
RT: 11.086 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN072184.D
Acq: 25 Apr 2022 17:04

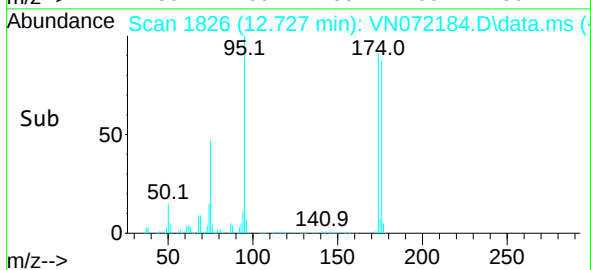
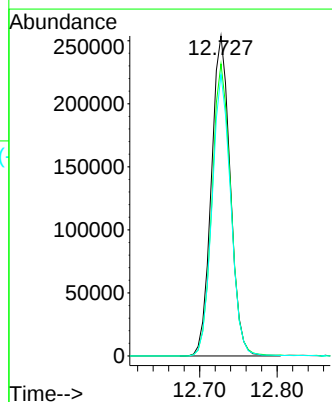
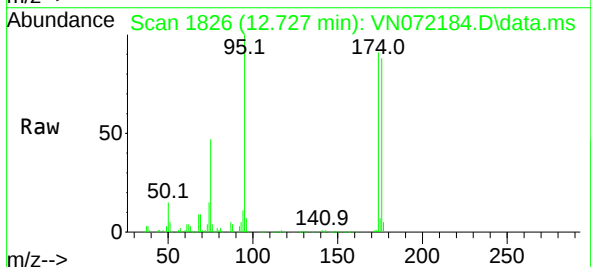
Instrument :
MSVOA_N
ClientSampleId :
PB144332ZHE#03

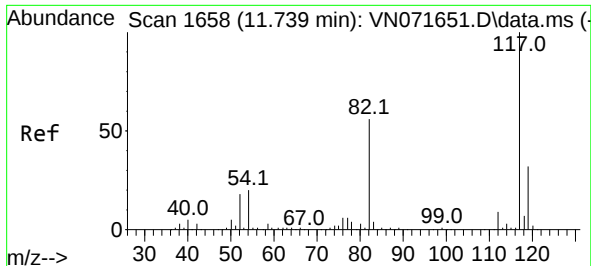
Tgt Ion: 43 Resp: 540900
Ion Ratio Lower Upper
43 100
58 22.1 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 59.114 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072184.D
Acq: 25 Apr 2022 17:04

Tgt Ion: 95 Resp: 429949
Ion Ratio Lower Upper
95 100
174 90.4 0.0 167.6
176 86.7 0.0 163.4

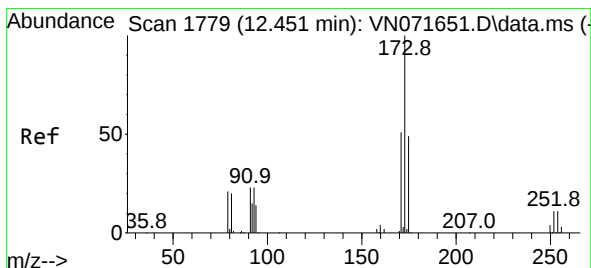
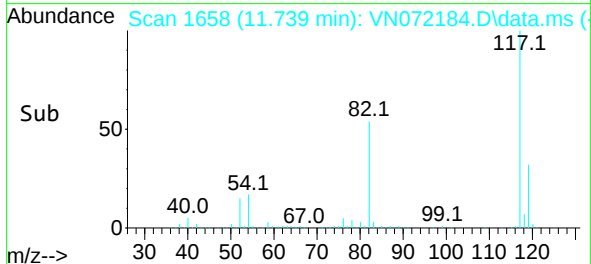
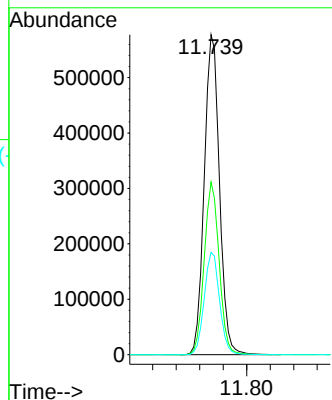
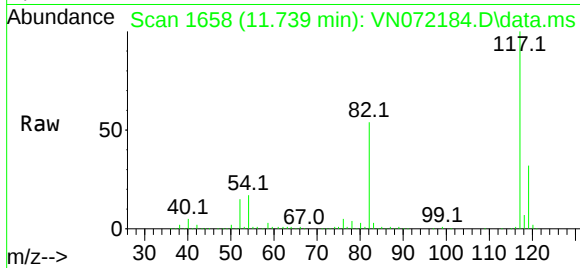




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN072184.D
Acq: 25 Apr 2022 17:04

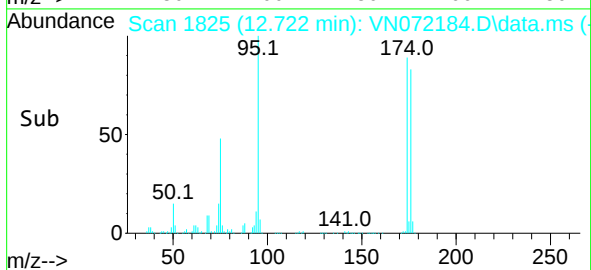
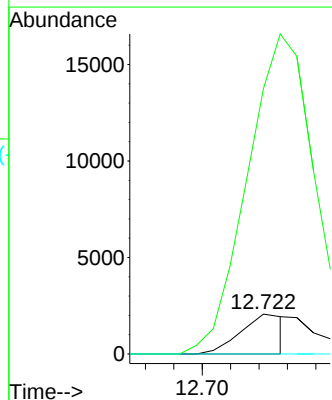
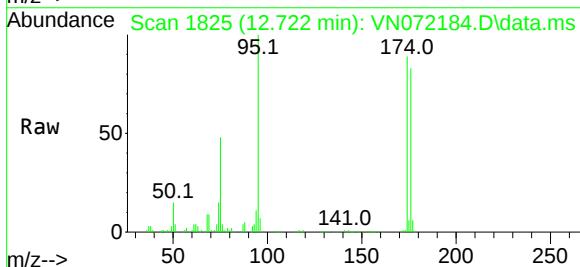
Instrument :
MSVOA_N
ClientSampleId :
PB144332ZHE#03

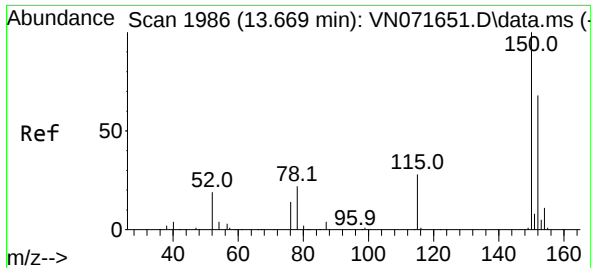
Tgt Ion:117 Resp: 1038009
Ion Ratio Lower Upper
117 100
82 54.0 44.2 66.2
119 32.0 25.4 38.0



#71
Bromoform
Concen: 0.387 ug/l
RT: 12.722 min Scan# 1825
Delta R.T. 0.271 min
Lab File: VN072184.D
Acq: 25 Apr 2022 17:04

Tgt Ion:173 Resp: 2210
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#

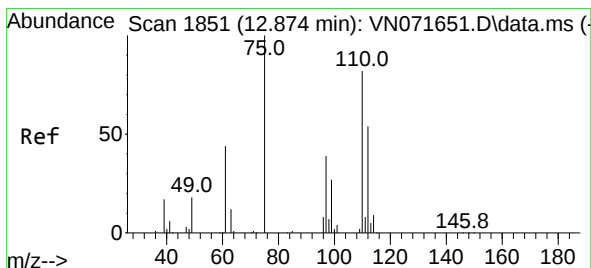
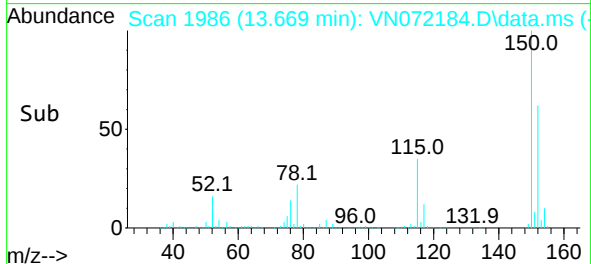
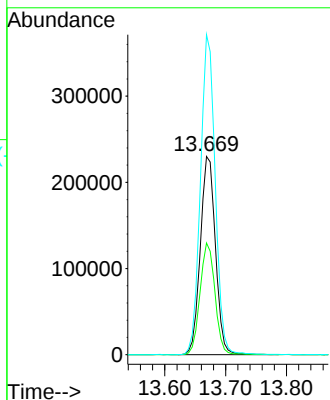
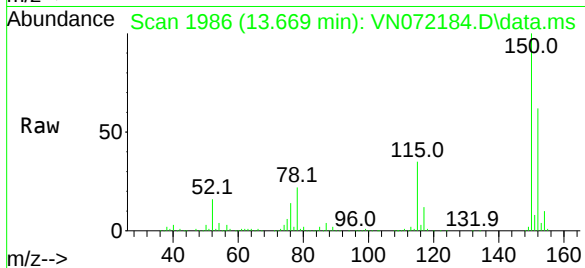




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. -0.000 min
Lab File: VN072184.D
Acq: 25 Apr 2022 17:04

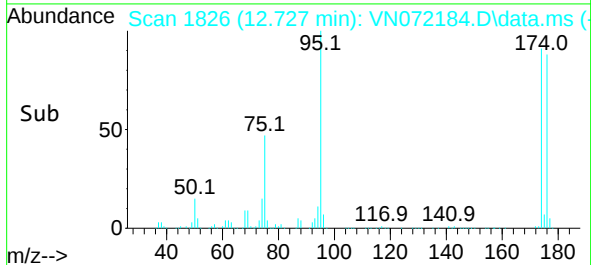
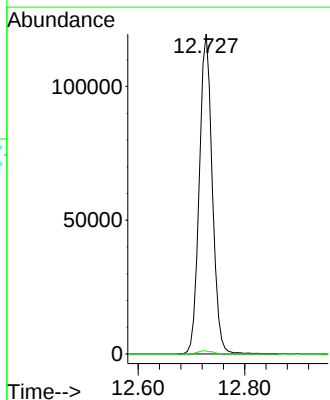
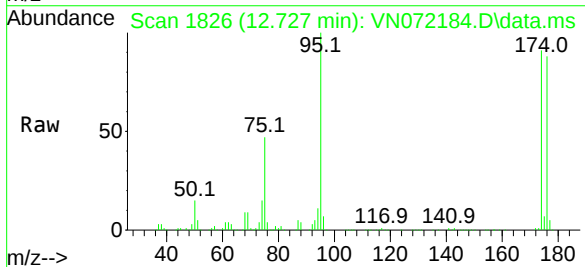
Instrument :
MSVOA_N
ClientSampleId :
PB144332ZHE#03

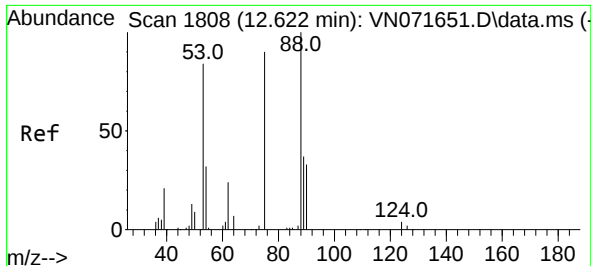
Tgt Ion:152 Resp: 398687
Ion Ratio Lower Upper
152 100
115 55.5 28.9 86.7
150 157.6 0.0 356.2



#76
1,2,3-Trichloropropane
Concen: 21.903 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072184.D
Acq: 25 Apr 2022 17:04

Tgt Ion: 75 Resp: 202289
Ion Ratio Lower Upper
75 100
77 1.1 98.5 295.5#

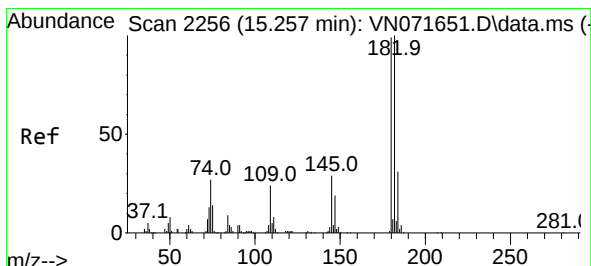
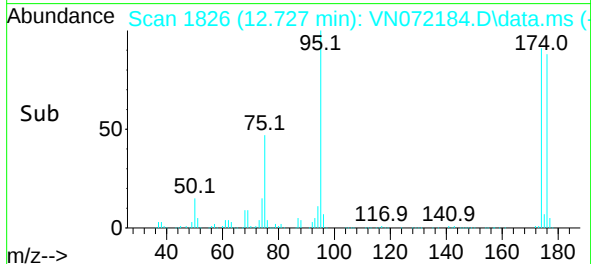
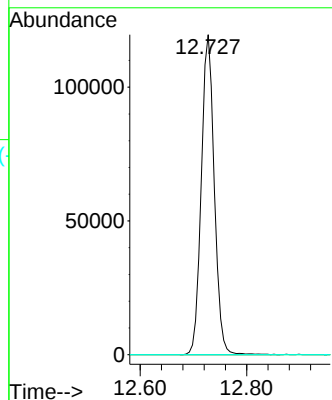
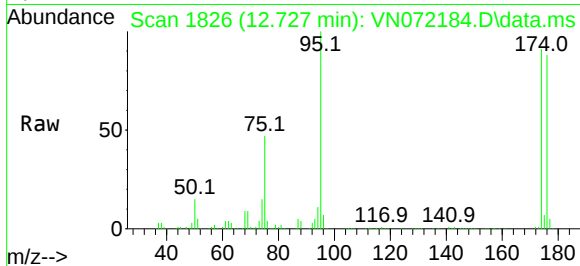




#81
trans-1,4-Dichloro-2-butene
Concen: 67.875 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.105 min
Lab File: VN072184.D
Acq: 25 Apr 2022 17:04

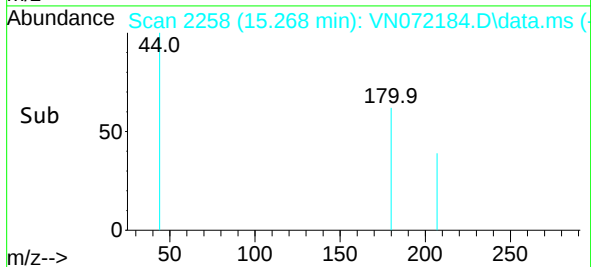
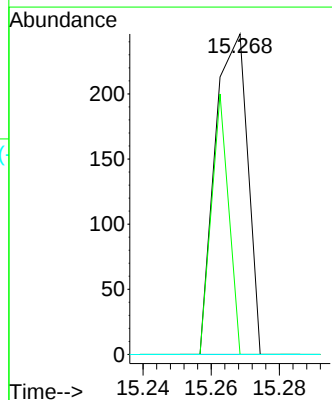
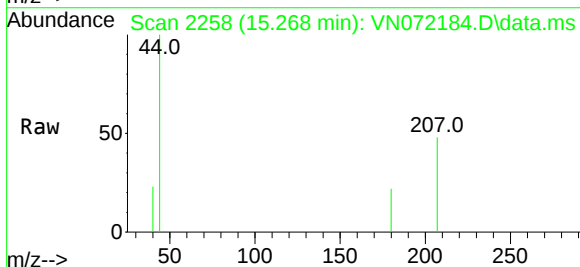
Instrument :
MSVOA_N
ClientSampleId :
PB144332ZHE#03

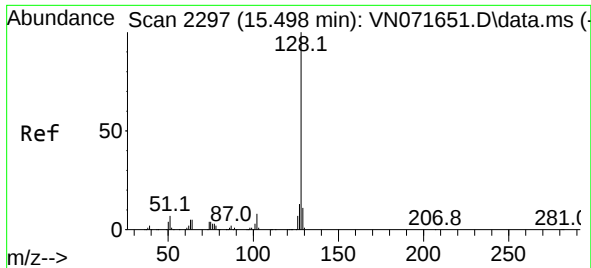
Tgt Ion: 75 Resp: 202289
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.110 ug/l
RT: 15.268 min Scan# 2258
Delta R.T. 0.011 min
Lab File: VN072184.D
Acq: 25 Apr 2022 17:04

Tgt Ion:180 Resp: 162
Ion Ratio Lower Upper
180 100
182 43.8 47.5 142.5#
145 0.0 14.5 43.5#





#95

Naphthalene

Concen: 3.918 ug/l

RT: 15.498 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN072184.D

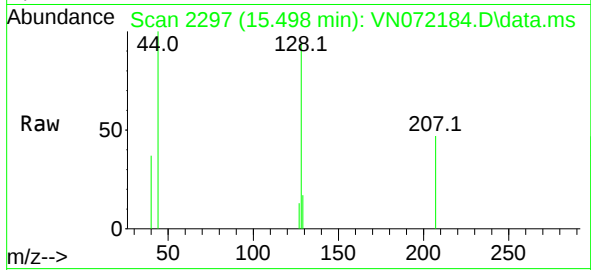
Acq: 25 Apr 2022 17:04

Instrument :

MSVOA_N

ClientSampleId :

PB144332ZHE#03



Tgt Ion:128 Resp: 2254

Ion Ratio Lower Upper

128 100

127 2.4 10.3 15.5#

129 3.0 8.6 13.0#

