

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042522\
 Data File : VN072185.D
 Acq On : 25 Apr 2022 17:28
 Operator : JC\MD
 Sample : PB144332ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB144332ZHE#04

Quant Time: Apr 26 05:40:32 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)

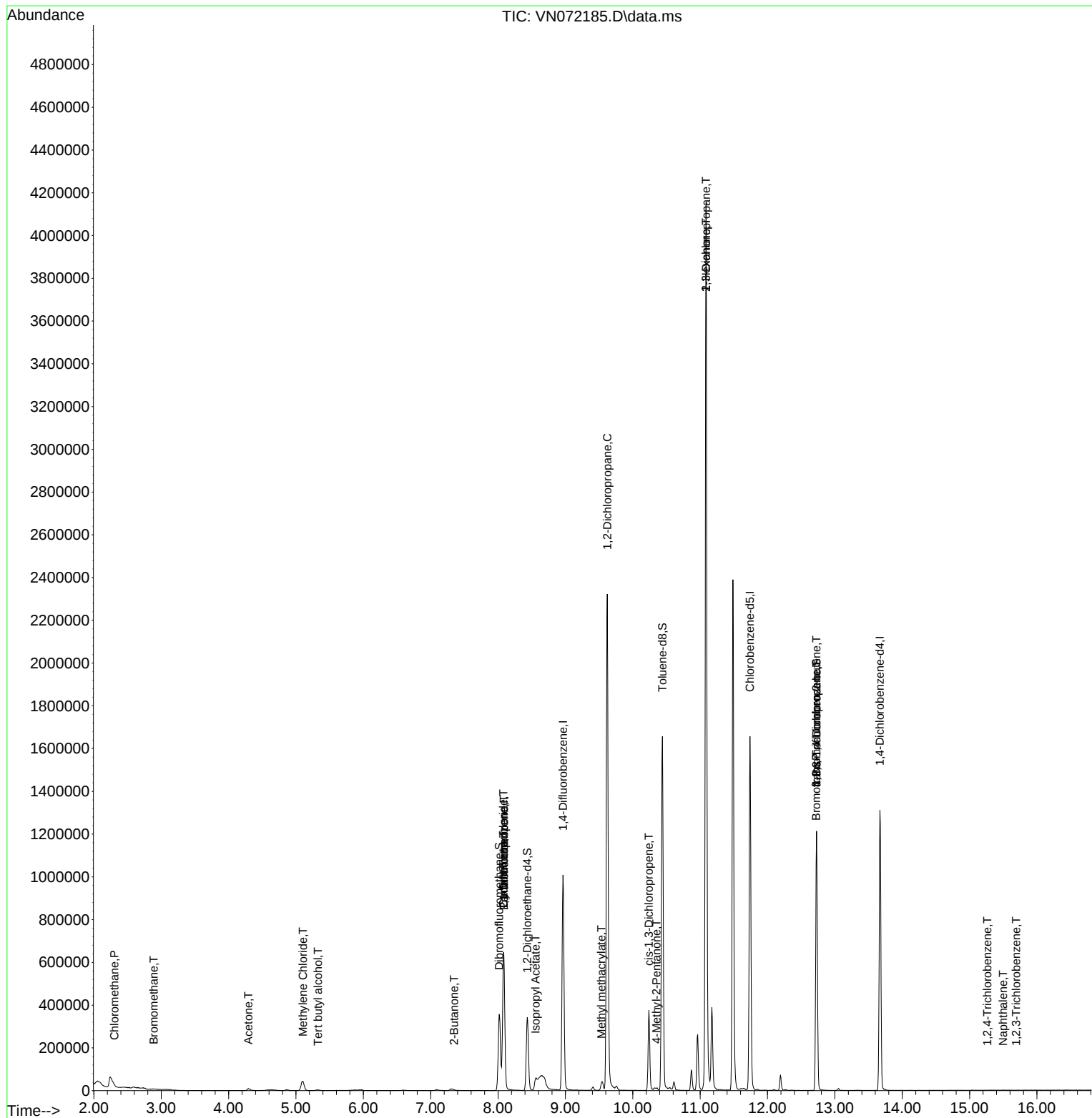
Internal Standards						
1) Pentafluorobenzene	8.086	168	560721	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	962560	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1066193	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	411314	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	281471	43.971	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	87.940%
35) Dibromofluoromethane	8.016	113	271079	47.859	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.720%
50) Toluene-d8	10.439	98	1238937	53.470	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	106.940%
62) 4-Bromofluorobenzene	12.727	95	437651	58.402	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	116.800%
Target Compounds						
					Qvalue	
3) Chloromethane	2.304	50	1369	0.242	ug/l	95
5) Bromomethane	2.887	94	974	0.242	ug/l	81
11) Tert butyl alcohol	5.328	59	3620	3.485	ug/l #	72
16) Acetone	4.293	43	14507	5.303	ug/l #	87
18) Methyl Acetate	4.857	43	7477	Below Cal		99
20) Methylene Chloride	5.104	84	41201	7.145	ug/l #	83
25) 2-Butanone	7.345	43	5175	1.312	ug/l	97
31) Cyclohexane	8.081	56	8149	0.936	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	33818	4.276	ug/l #	49
38) Carbon Tetrachloride	8.081	117	48886	6.306	ug/l #	17
43) Isopropyl Acetate	8.557	43	65238	4.530	ug/l #	82
45) 1,2-Dichloropropane	9.622	63	3517	0.563	ug/l #	44
48) Methyl methacrylate	9.533	41	10299	1.724	ug/l #	10
49) 1,4-Dioxane	9.622	88	267	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.351	43	14307	1.728	ug/l #	33
54) cis-1,3-Dichloropropene	10.239	75	80678	8.351	ug/l #	56
57) 1,3-Dichloropropane	11.086	76	49915	4.593	ug/l #	42
59) 2-Hexanone	11.086	43	537329	92.182	ug/l #	51
71) Bromoform	12.721	173	1938	0.330	ug/l #	28
76) 1,2,3-Trichloropropane	12.727	75	204884	21.502	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	204884	66.635	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.262	180	54	2.094	ug/l #	12
95) Naphthalene	15.498	128	1235	3.864	ug/l #	77
96) 1,2,3-Trichlorobenzene	15.692	180	65	2.424	ug/l #	12

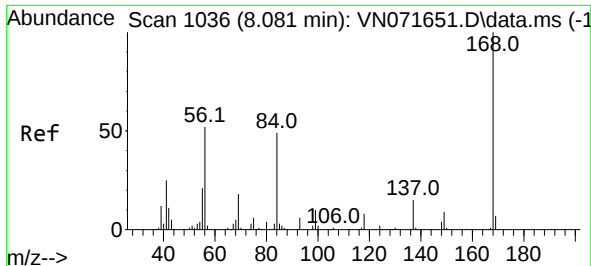
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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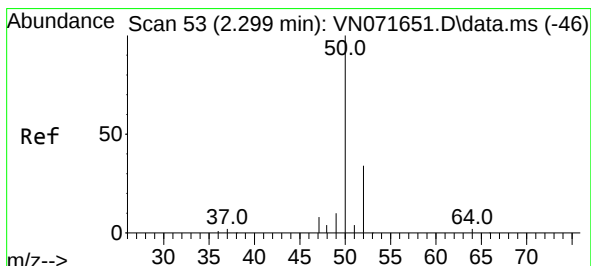
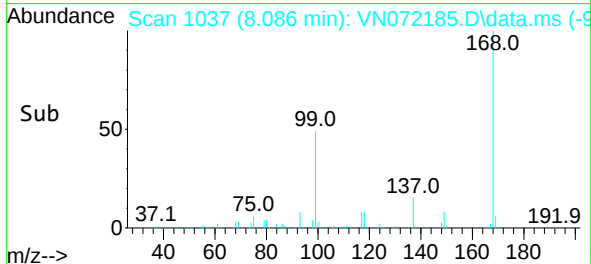
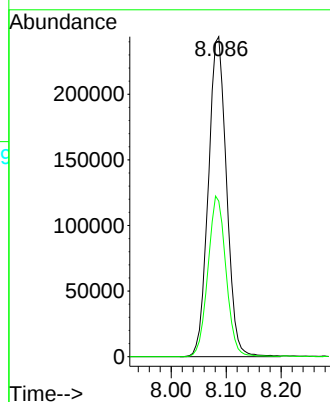
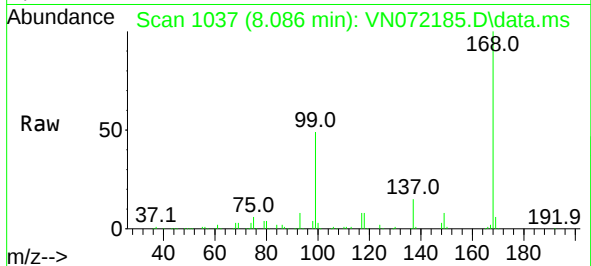




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN072185.D
Acq: 25 Apr 2022 17:28

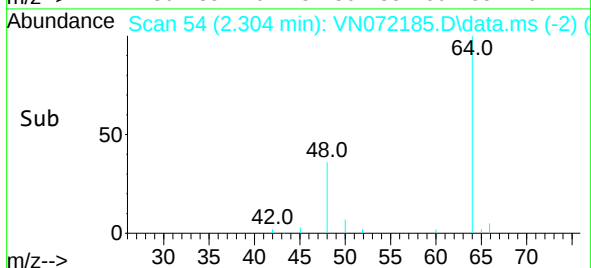
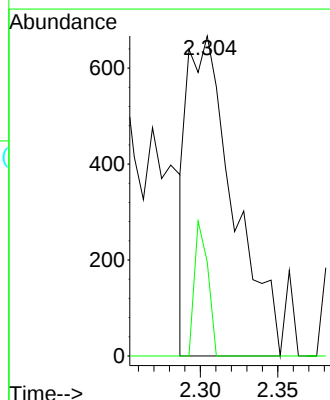
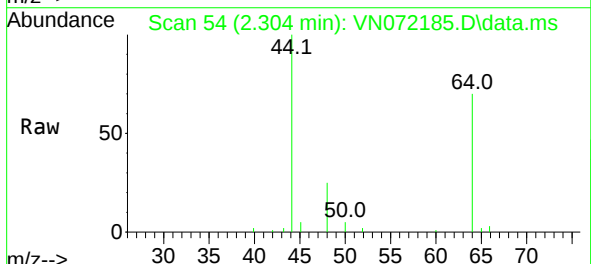
Instrument :
MSVOA_N
ClientSampleId :
PB144332ZHE#04

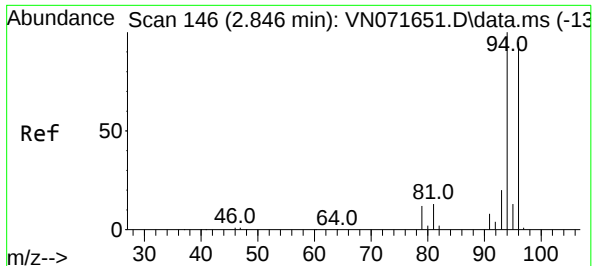
Tgt Ion:168 Resp: 560721
Ion Ratio Lower Upper
168 100
99 48.6 42.3 63.5



#3
Chloromethane
Concen: 0.242 ug/l
RT: 2.304 min Scan# 54
Delta R.T. 0.005 min
Lab File: VN072185.D
Acq: 25 Apr 2022 17:28

Tgt Ion: 50 Resp: 1369
Ion Ratio Lower Upper
50 100
52 29.4 25.7 38.5

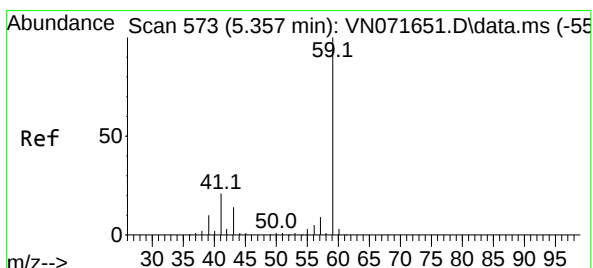
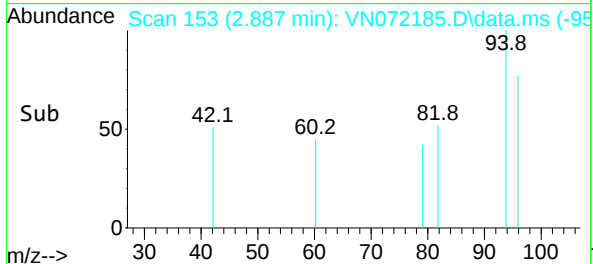
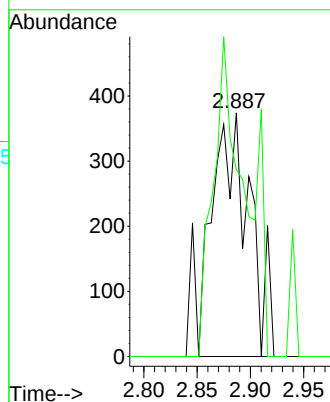
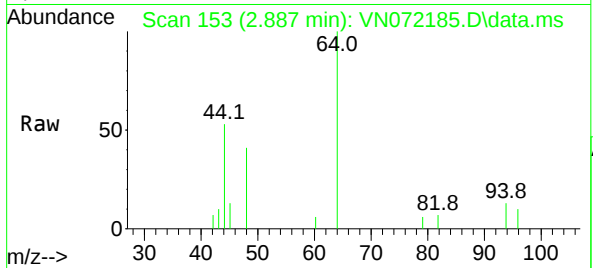




#5
Bromomethane
Concen: 0.242 ug/l
RT: 2.887 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN072185.D
Acq: 25 Apr 2022 17:28

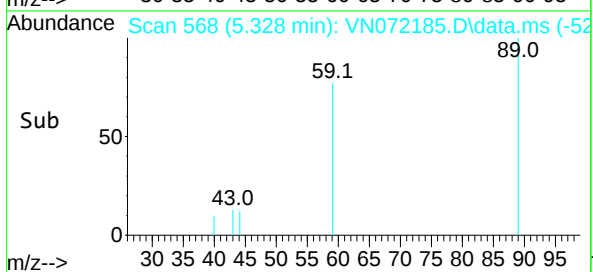
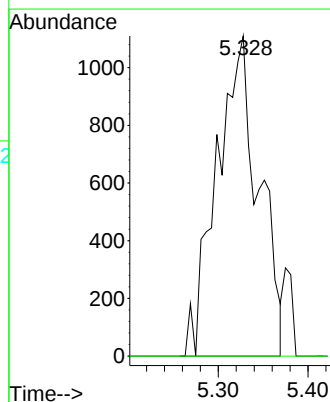
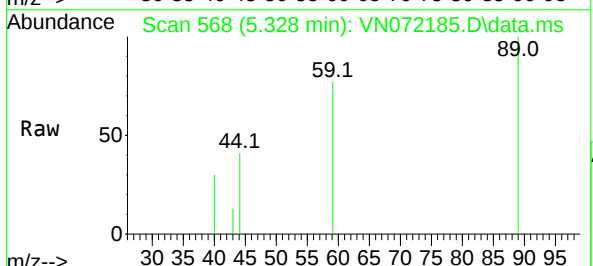
Instrument :
MSVOA_N
ClientSampleId :
PB144332ZHE#04

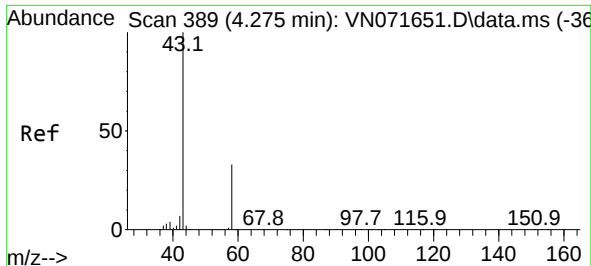
Tgt Ion: 94 Resp: 974
Ion Ratio Lower Upper
94 100
96 76.7 76.0 114.0



#11
Tert butyl alcohol
Concen: 3.485 ug/l
RT: 5.328 min Scan# 568
Delta R.T. -0.029 min
Lab File: VN072185.D
Acq: 25 Apr 2022 17:28

Tgt Ion: 59 Resp: 3620
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

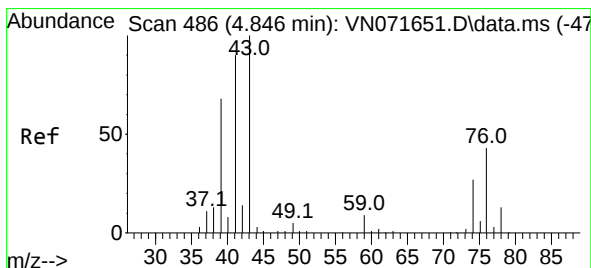
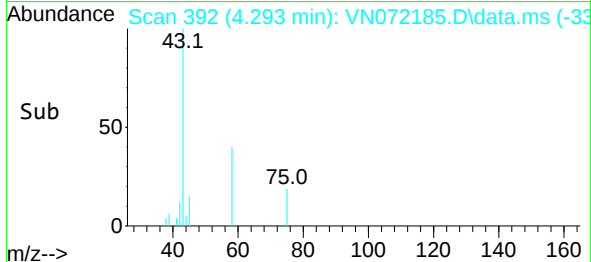
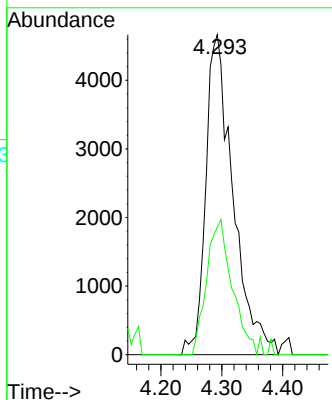
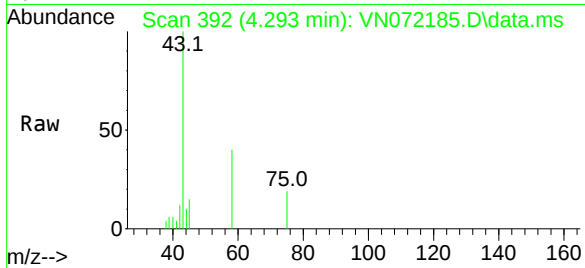




#16
Acetone
Concen: 5.303 ug/l
RT: 4.293 min Scan# 392
Delta R.T. 0.018 min
Lab File: VN072185.D
Acq: 25 Apr 2022 17:28

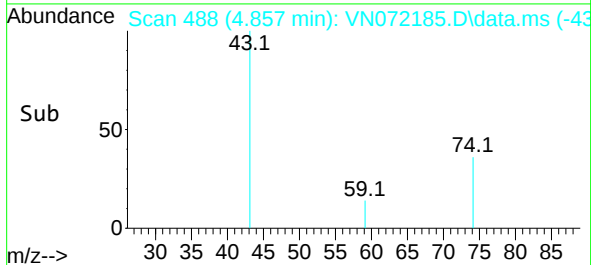
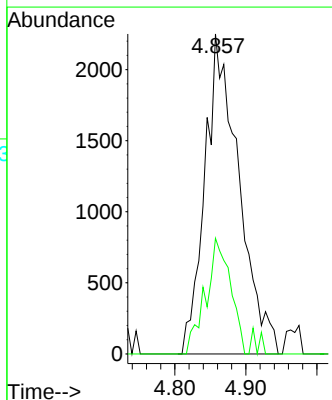
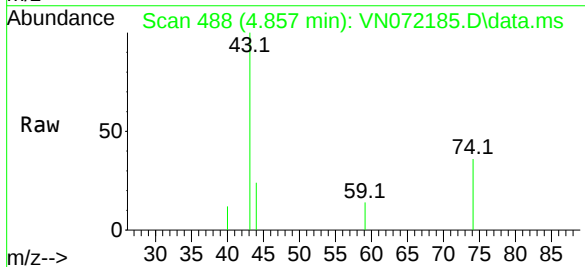
Instrument :
MSVOA_N
ClientSampleId :
PB144332ZHE#04

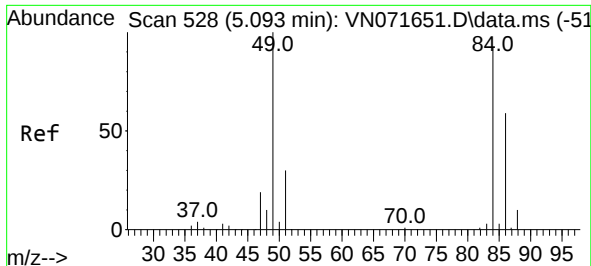
Tgt Ion: 43 Resp: 14507
Ion Ratio Lower Upper
43 100
58 39.8 26.0 39.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.857 min Scan# 488
Delta R.T. 0.011 min
Lab File: VN072185.D
Acq: 25 Apr 2022 17:28

Tgt Ion: 43 Resp: 7477
Ion Ratio Lower Upper
43 100
74 26.4 21.6 32.4





#20

Methylene Chloride

Concen: 7.145 ug/l

RT: 5.104 min Scan# 51

Delta R.T. 0.011 min

Lab File: VN072185.D

Acq: 25 Apr 2022 17:28

Instrument :

MSVOA_N

ClientSampleId :

PB144332ZHE#04

Tgt Ion: 84 Resp: 41201

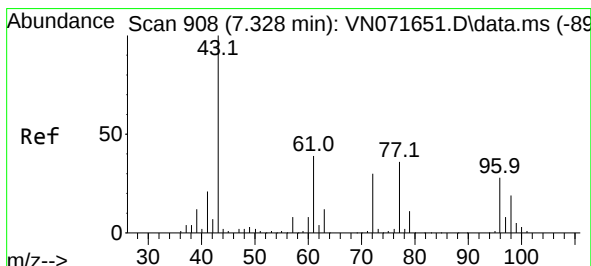
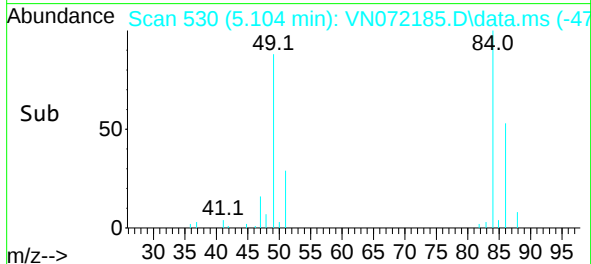
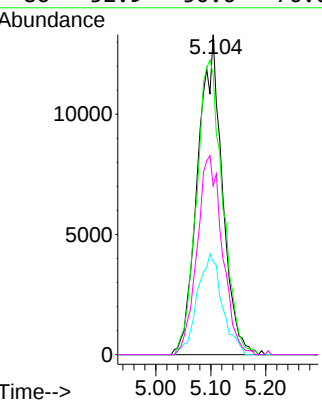
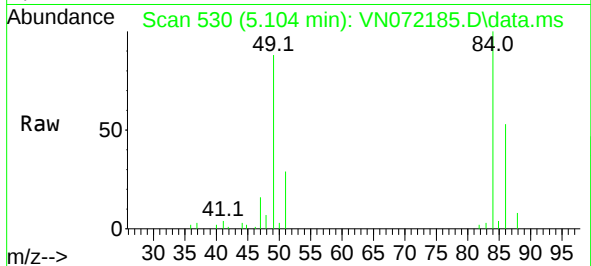
Ion Ratio Lower Upper

84 100

49 87.6 88.3 132.5#

51 29.1 28.2 42.2

86 52.9 50.6 76.0



#25

2-Butanone

Concen: 1.312 ug/l

RT: 7.345 min Scan# 911

Delta R.T. 0.017 min

Lab File: VN072185.D

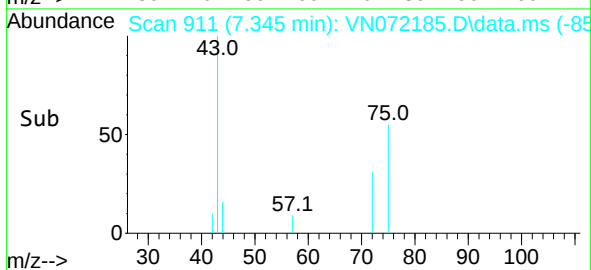
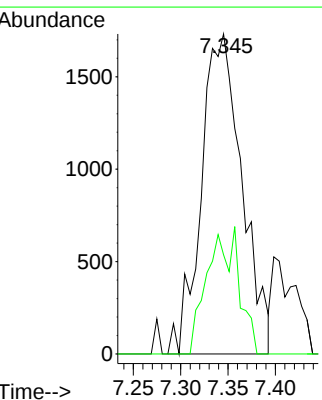
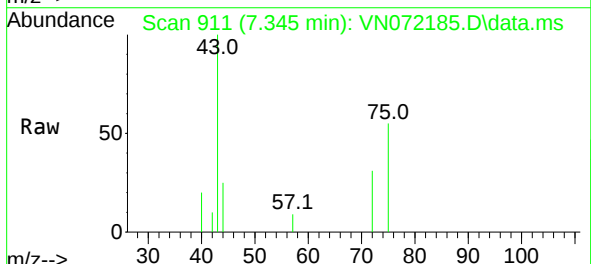
Acq: 25 Apr 2022 17:28

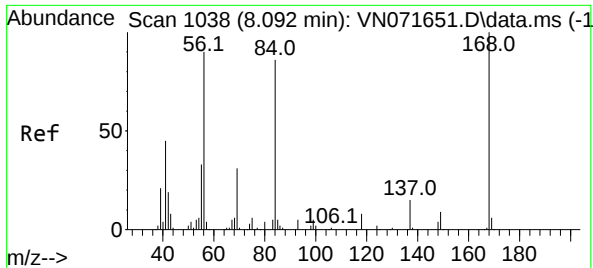
Tgt Ion: 43 Resp: 5175

Ion Ratio Lower Upper

43 100

72 31.0 23.7 35.5

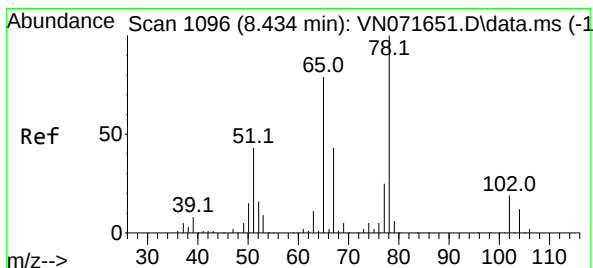
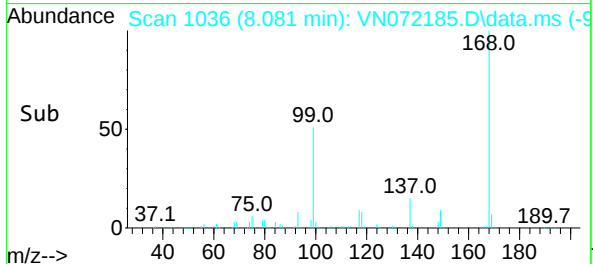
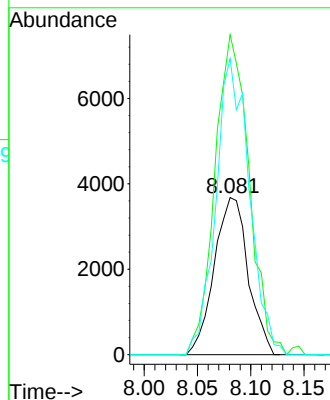
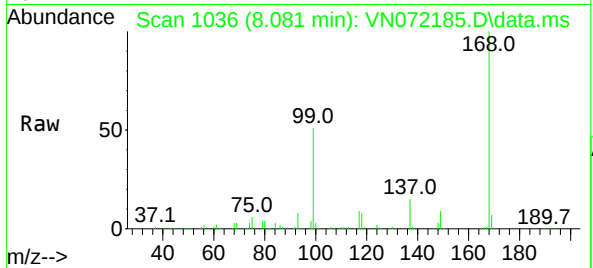




#31
Cyclohexane
Concen: 0.936 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.011 min
Lab File: VN072185.D
Acq: 25 Apr 2022 17:28

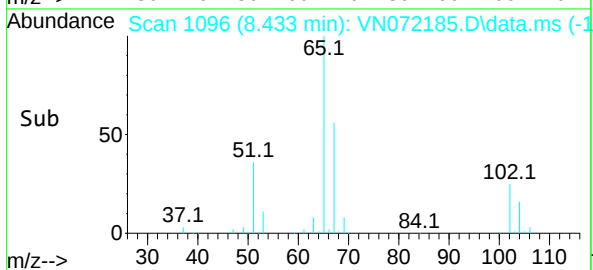
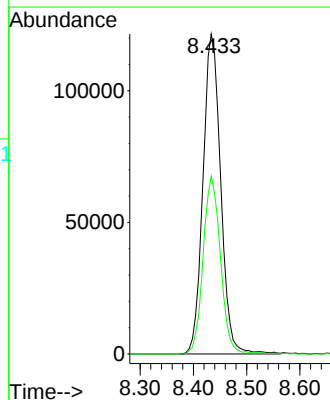
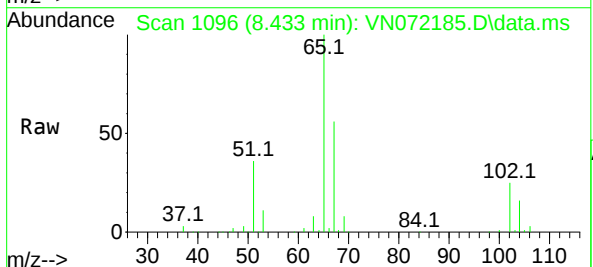
Instrument :
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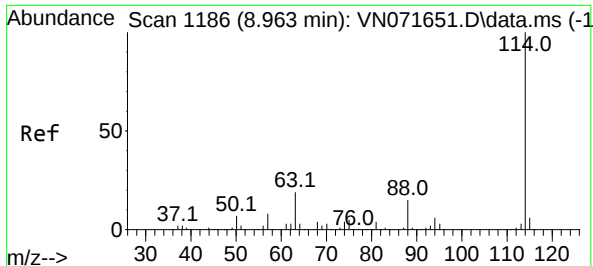
Tgt Ion: 56 Resp: 8149
Ion Ratio Lower Upper
56 100
69 203.6 27.8 41.8#
84 188.3 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 43.971 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. -0.001 min
Lab File: VN072185.D
Acq: 25 Apr 2022 17:28

Tgt Ion: 65 Resp: 281471
Ion Ratio Lower Upper
65 100
67 54.2 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: VN072185.D

Acq: 25 Apr 2022 17:28

Instrument :

MSVOA_N

ClientSampleId :

PB144332ZHE#04

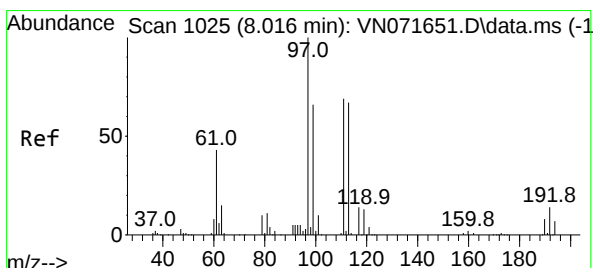
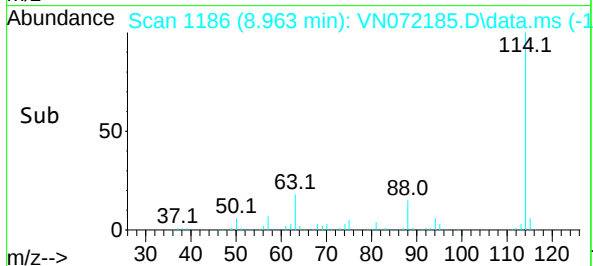
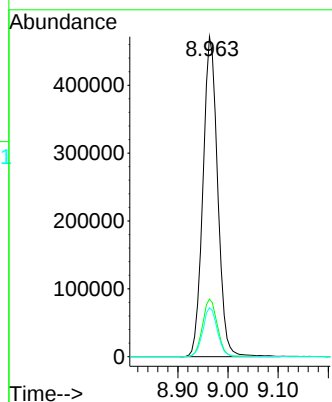
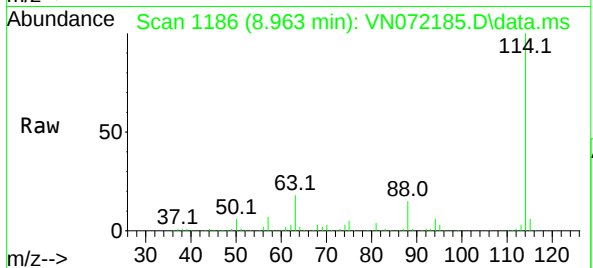
Tgt Ion:114 Resp: 962560

Ion Ratio Lower Upper

114 100

63 18.0 0.0 40.0

88 15.3 0.0 32.6



#35

Dibromofluoromethane

Concen: 47.859 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.000 min

Lab File: VN072185.D

Acq: 25 Apr 2022 17:28

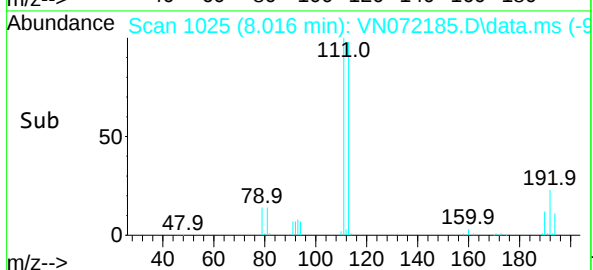
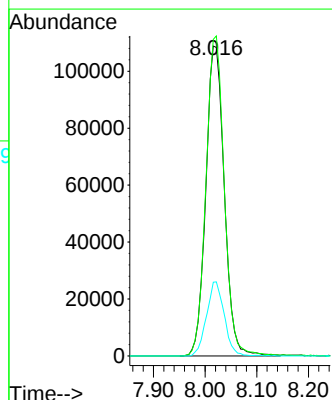
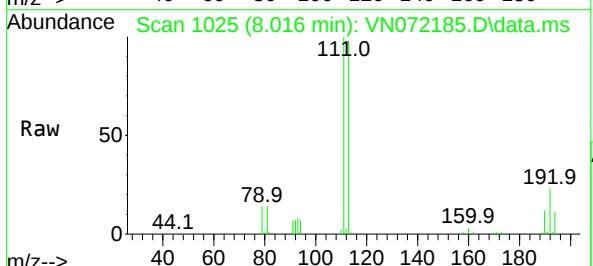
Tgt Ion:113 Resp: 271079

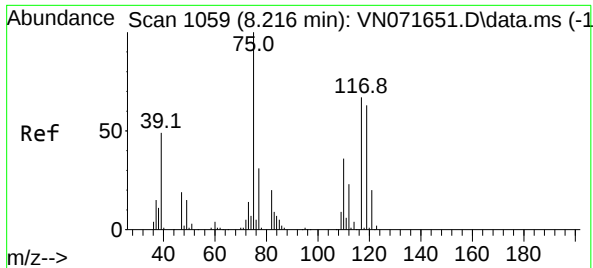
Ion Ratio Lower Upper

113 100

111 102.3 81.4 122.0

192 22.9 17.0 25.6

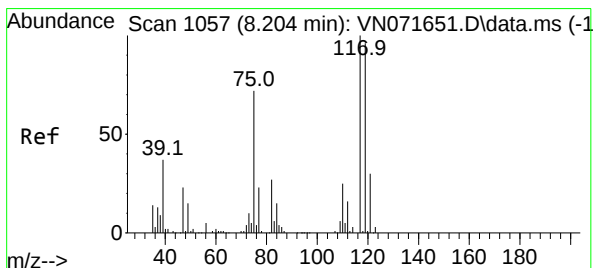
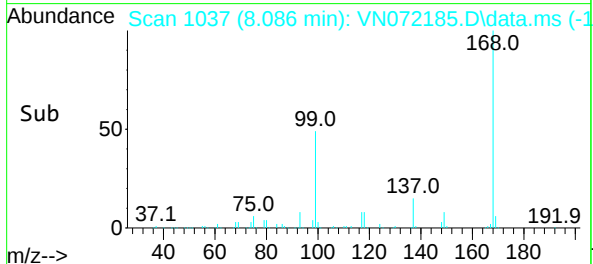
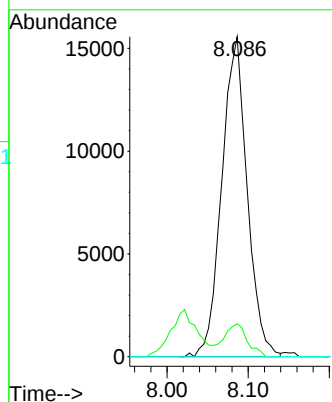
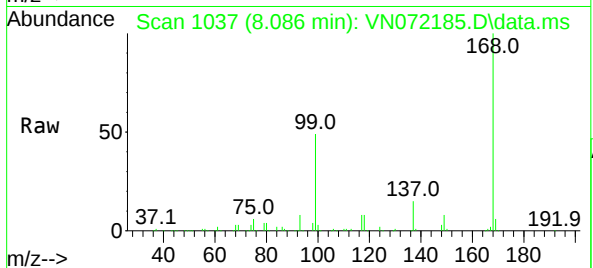




#36
 1,1-Dichloropropene
 Concen: 4.276 ug/l
 RT: 8.086 min Scan# 1037
 Delta R.T. -0.130 min
 Lab File: VN072185.D
 Acq: 25 Apr 2022 17:28

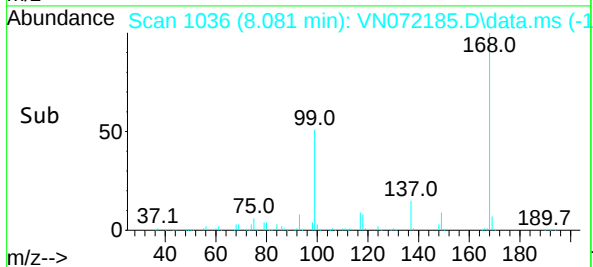
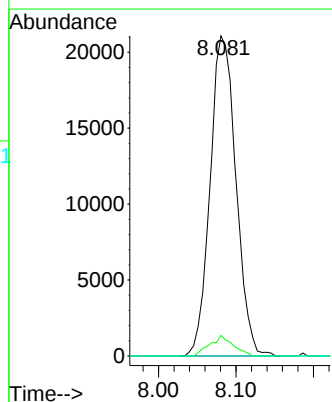
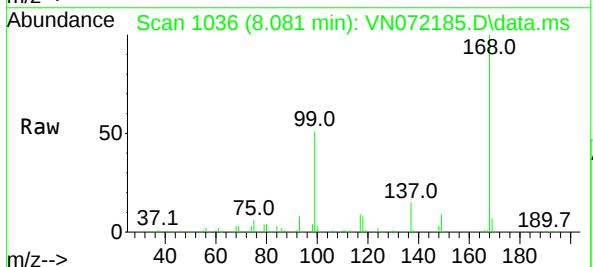
Instrument :
 MSVOA_N
 ClientSampleId :
 PB144332ZHE#04

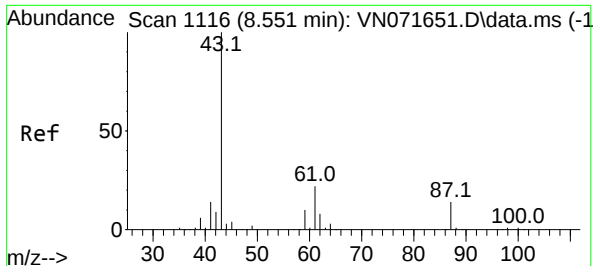
Tgt Ion: 75 Resp: 33818
 Ion Ratio Lower Upper
 75 100
 110 9.4 18.3 54.8#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 6.306 ug/l
 RT: 8.081 min Scan# 1036
 Delta R.T. -0.123 min
 Lab File: VN072185.D
 Acq: 25 Apr 2022 17:28

Tgt Ion: 117 Resp: 48886
 Ion Ratio Lower Upper
 117 100
 119 6.4 75.8 113.8#
 121 0.0 24.6 37.0#

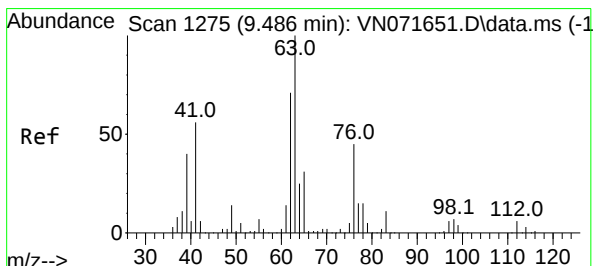
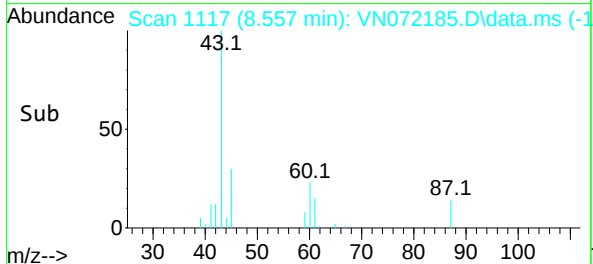
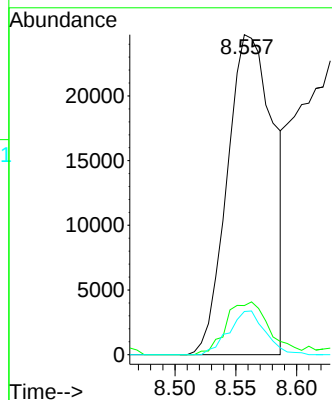
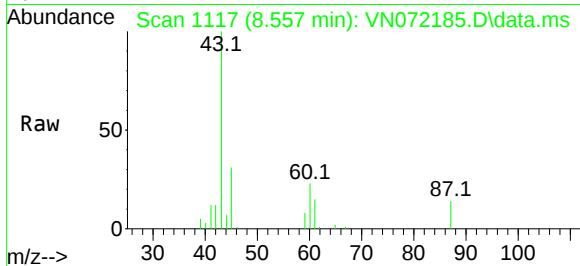




#43
Isopropyl Acetate
Concen: 4.530 ug/l
RT: 8.557 min Scan# 1116
Delta R.T. 0.006 min
Lab File: VN072185.D
Acq: 25 Apr 2022 17:28

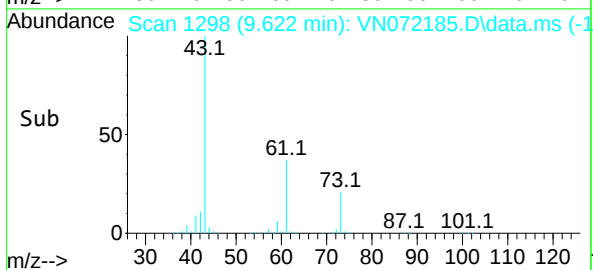
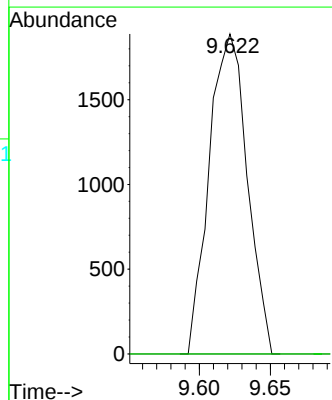
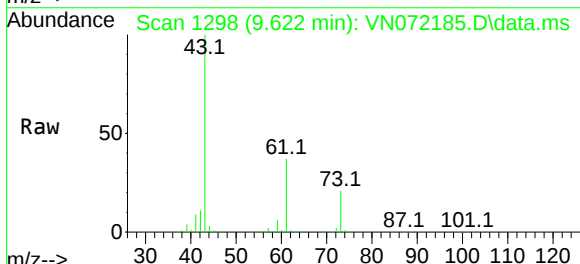
Instrument :
MSVOA_N
ClientSampleId :
PB144332ZHE#04

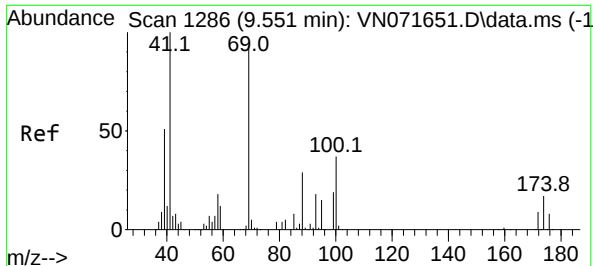
Tgt Ion: 43 Resp: 65238
Ion Ratio Lower Upper
43 100
61 15.5 21.9 32.9#
87 10.8 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.563 ug/l
RT: 9.622 min Scan# 1298
Delta R.T. 0.136 min
Lab File: VN072185.D
Acq: 25 Apr 2022 17:28

Tgt Ion: 63 Resp: 3517
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#

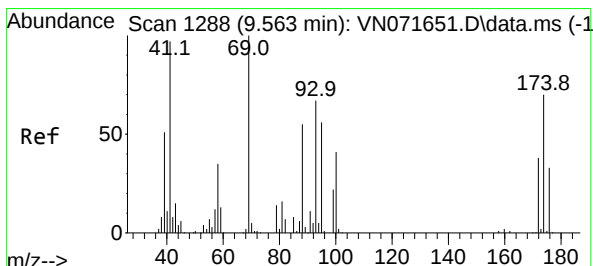
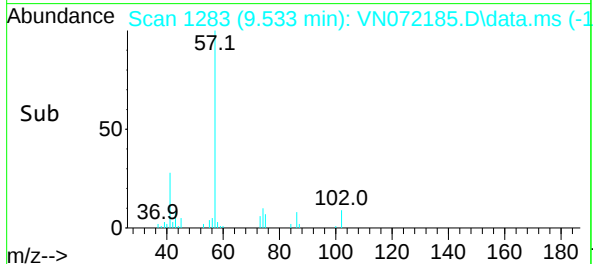
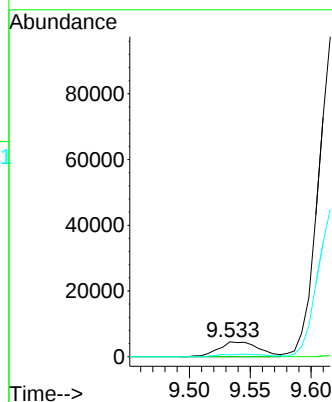
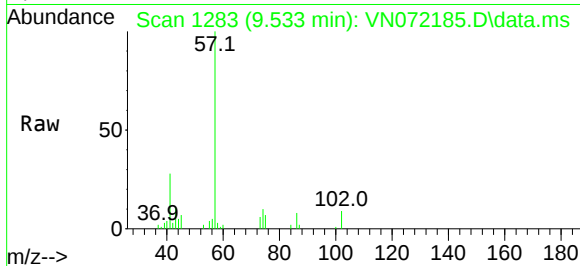




#48
Methyl methacrylate
Concen: 1.724 ug/l
RT: 9.533 min Scan# 1283
Delta R.T. -0.018 min
Lab File: VN072185.D
Acq: 25 Apr 2022 17:28

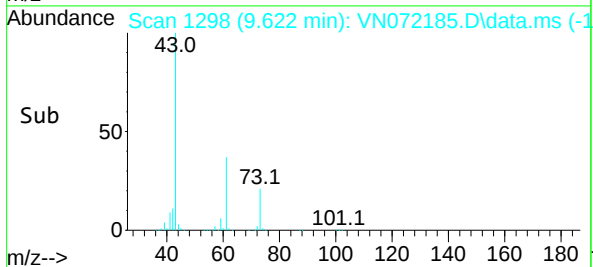
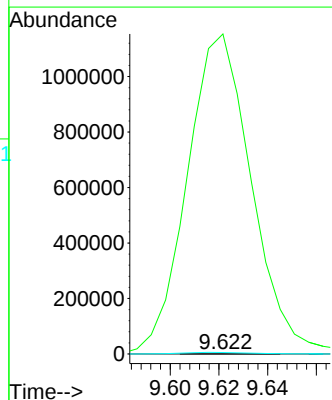
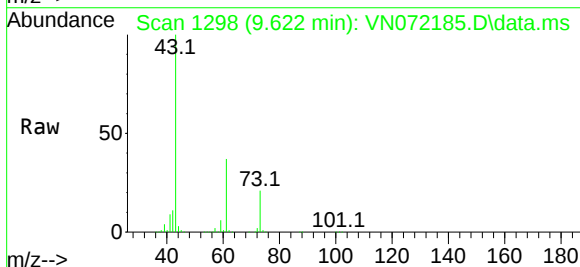
Instrument :
MSVOA_N
ClientSampleId :
PB144332ZHE#04

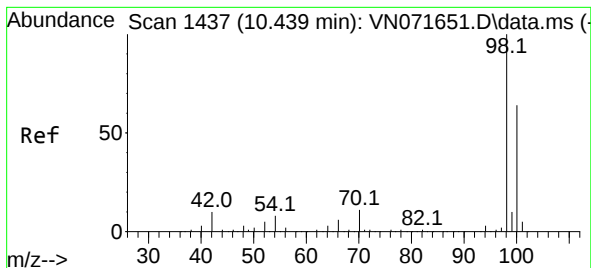
Tgt Ion: 41 Resp: 10299
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 0.0 45.6 68.4#



#49
1,4-Dioxane
Concen: Below Cal
RT: 9.622 min Scan# 1298
Delta R.T. 0.059 min
Lab File: VN072185.D
Acq: 25 Apr 2022 17:28

Tgt Ion: 88 Resp: 267
Ion Ratio Lower Upper
88 100
43 808899.3 20.2 30.4#
58 4323.6 54.2 81.4#

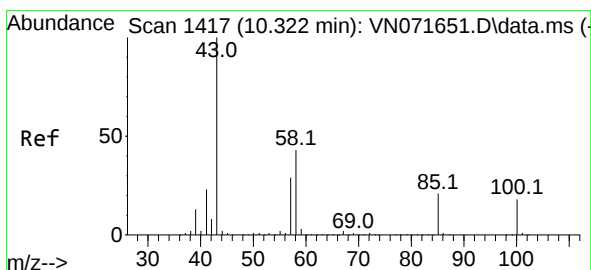
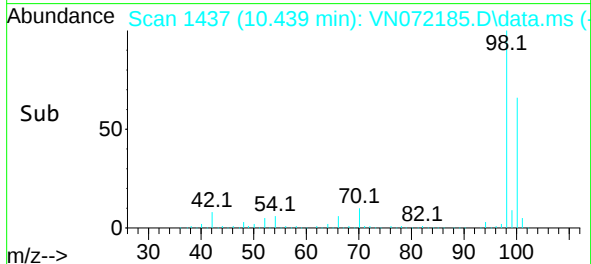
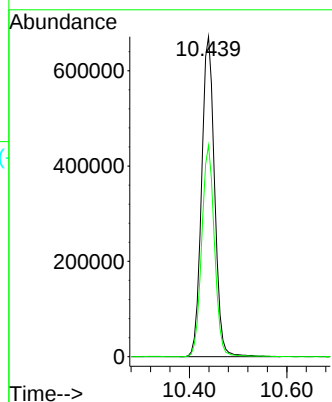
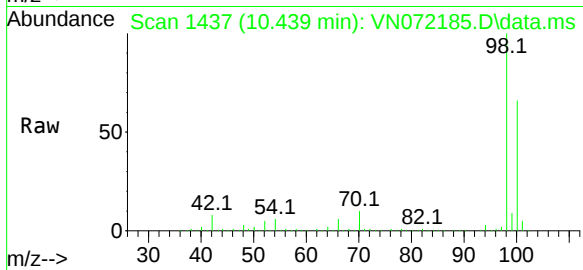




#50
Toluene-d8
Concen: 53.470 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072185.D
Acq: 25 Apr 2022 17:28

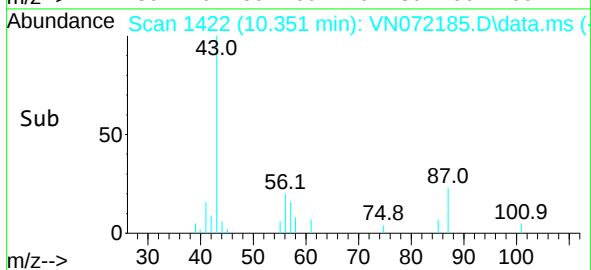
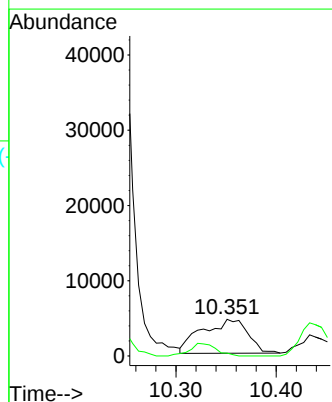
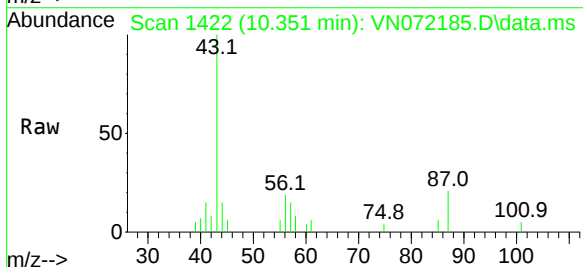
Instrument :
MSVOA_N
ClientSampleId :
PB144332ZHE#04

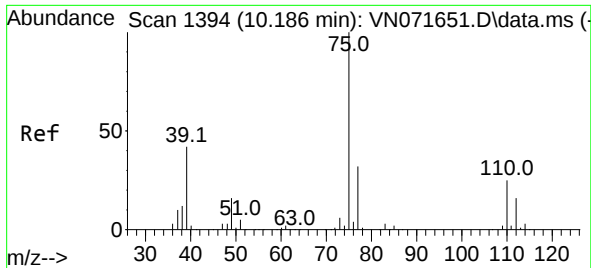
Tgt Ion: 98 Resp: 1238937
Ion Ratio Lower Upper
98 100
100 65.2 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.728 ug/l
RT: 10.351 min Scan# 1422
Delta R.T. 0.029 min
Lab File: VN072185.D
Acq: 25 Apr 2022 17:28

Tgt Ion: 43 Resp: 14307
Ion Ratio Lower Upper
43 100
58 0.0 34.1 51.1#

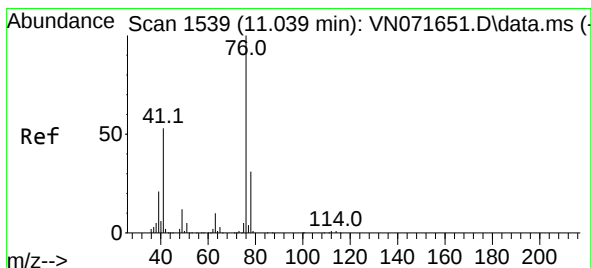
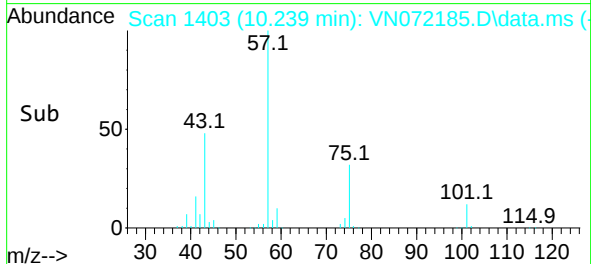
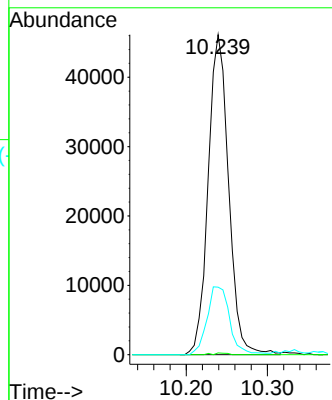
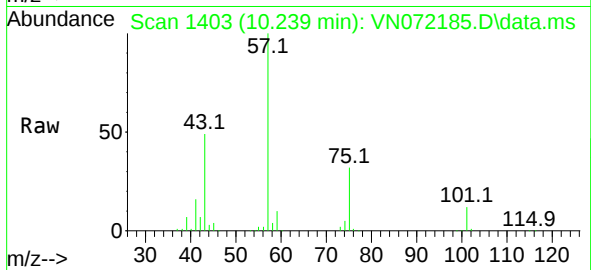




#54
 cis-1,3-Dichloropropene
 Concen: 8.351 ug/l
 RT: 10.239 min Scan# 1403
 Delta R.T. 0.053 min
 Lab File: VN072185.D
 Acq: 25 Apr 2022 17:28

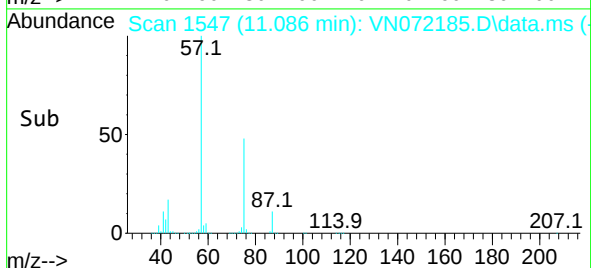
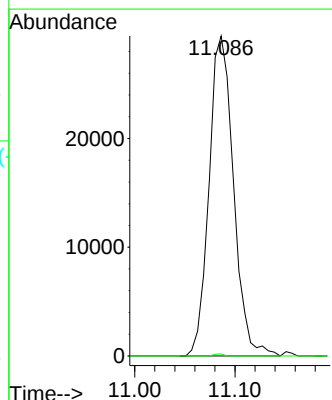
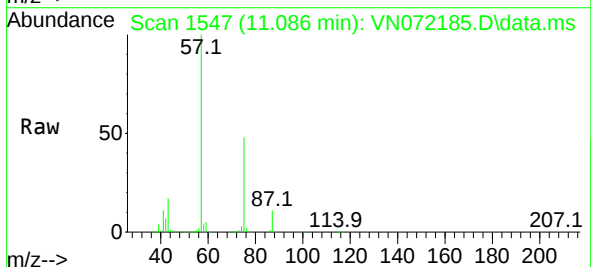
Instrument :
 MSVOA_N
 ClientSampleId :
 PB144332ZHE#04

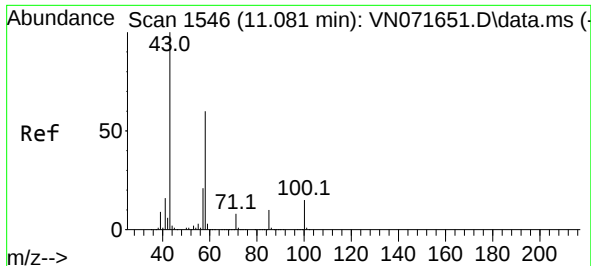
Tgt Ion: 75 Resp: 80678
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.2 37.8#
 39 21.1 35.7 53.5#



#57
 1,3-Dichloropropane
 Concen: 4.593 ug/l
 RT: 11.086 min Scan# 1547
 Delta R.T. 0.047 min
 Lab File: VN072185.D
 Acq: 25 Apr 2022 17:28

Tgt Ion: 76 Resp: 49915
 Ion Ratio Lower Upper
 76 100
 78 0.3 26.2 39.2#

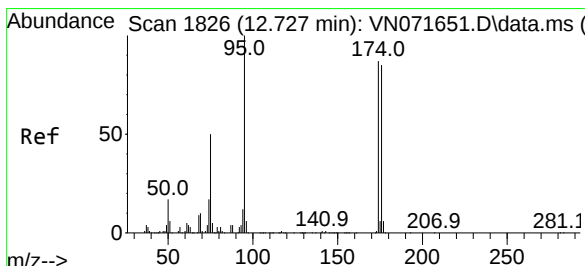
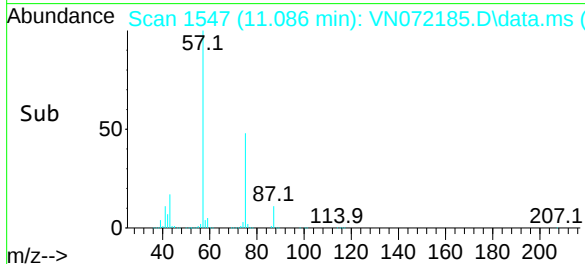
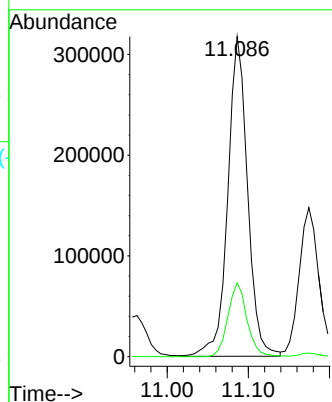
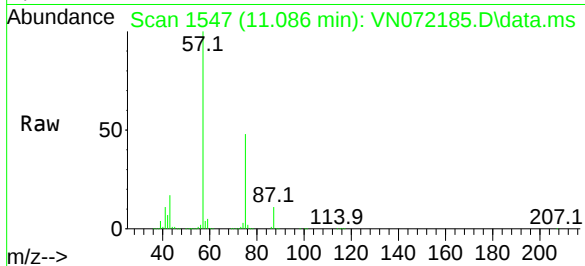




#59
2-Hexanone
Concen: 92.182 ug/l
RT: 11.086 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN072185.D
Acq: 25 Apr 2022 17:28

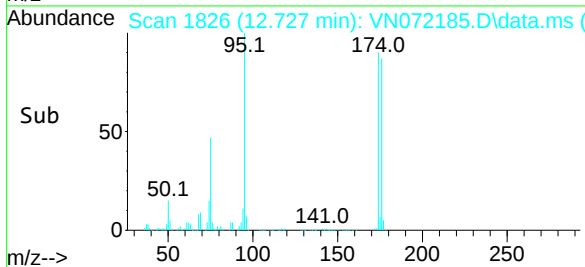
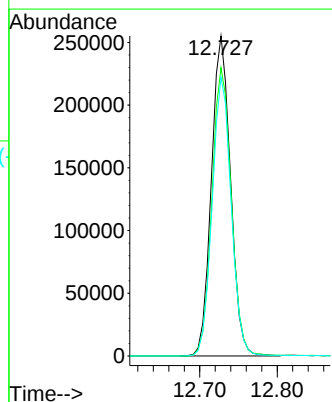
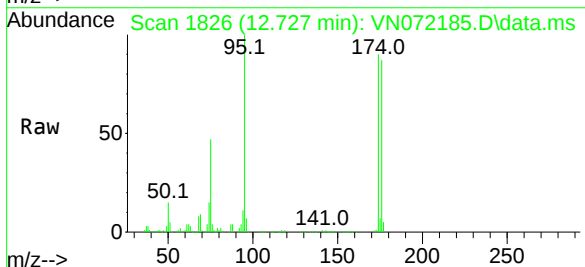
Instrument :
MSVOA_N
ClientSampleId :
PB144332ZHE#04

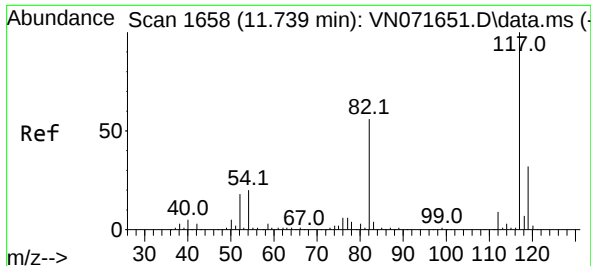
Tgt Ion: 43 Resp: 537329
Ion Ratio Lower Upper
43 100
58 22.4 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 58.402 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072185.D
Acq: 25 Apr 2022 17:28

Tgt Ion: 95 Resp: 437651
Ion Ratio Lower Upper
95 100
174 91.2 0.0 167.6
176 86.6 0.0 163.4

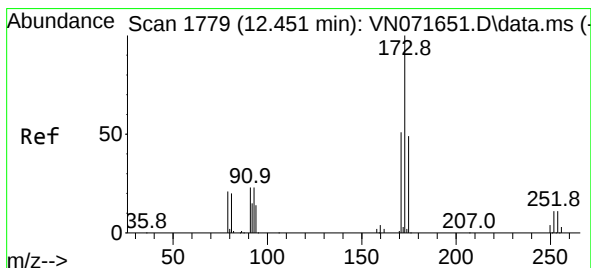
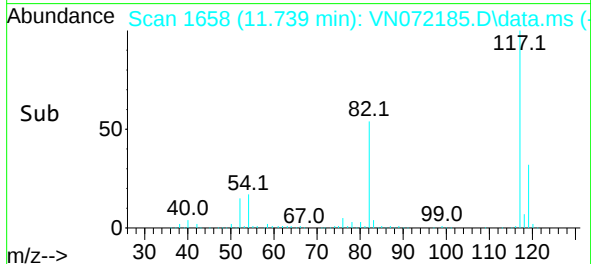
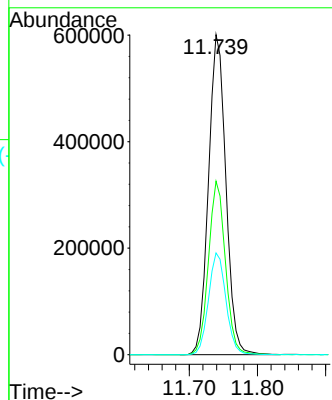
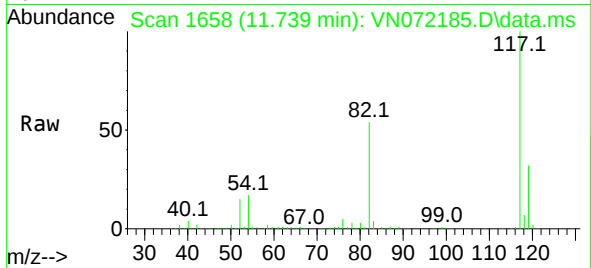




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN072185.D
Acq: 25 Apr 2022 17:28

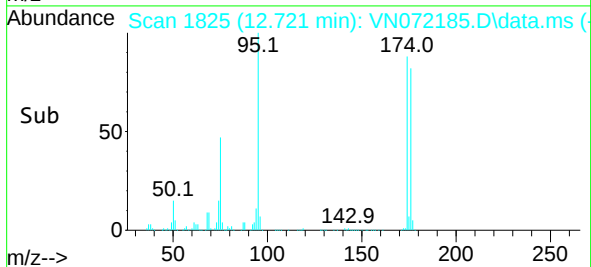
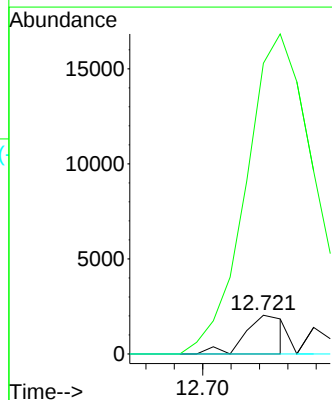
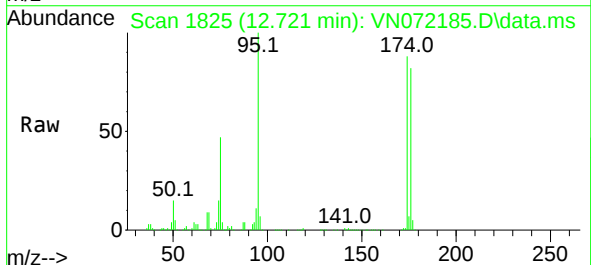
Instrument :
MSVOA_N
ClientSampleId :
PB144332ZHE#04

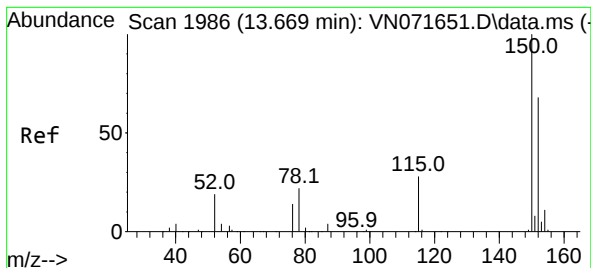
Tgt Ion:117 Resp: 1066193
Ion Ratio Lower Upper
117 100
82 54.2 44.2 66.2
119 31.8 25.4 38.0



#71
Bromoform
Concen: 0.330 ug/l
RT: 12.721 min Scan# 1825
Delta R.T. 0.270 min
Lab File: VN072185.D
Acq: 25 Apr 2022 17:28

Tgt Ion:173 Resp: 1938
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: 13.668 min Scan# 1986

Delta R.T. -0.001 min

Lab File: VN072185.D

Acq: 25 Apr 2022 17:28

Instrument :

MSVOA_N

ClientSampleId :

PB144332ZHE#04

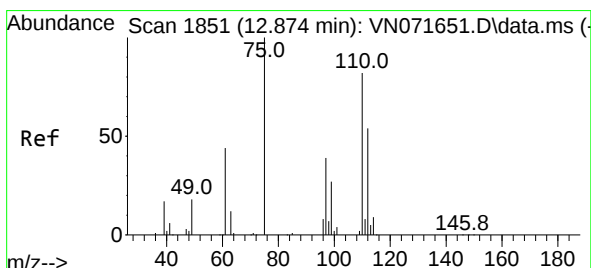
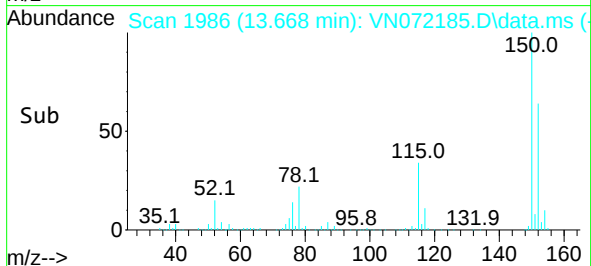
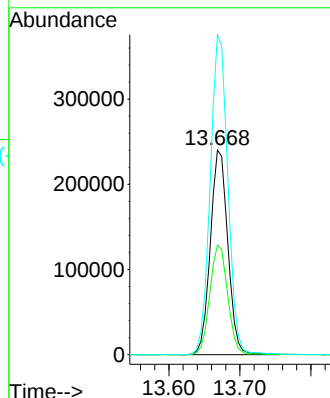
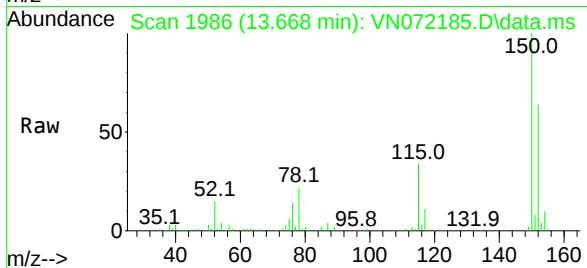
Tgt Ion:152 Resp: 411314

Ion Ratio Lower Upper

152 100

115 54.7 28.9 86.7

150 157.3 0.0 356.2



#76

1,2,3-Trichloropropane

Concen: 21.502 ug/l

RT: 12.727 min Scan# 1826

Delta R.T. -0.147 min

Lab File: VN072185.D

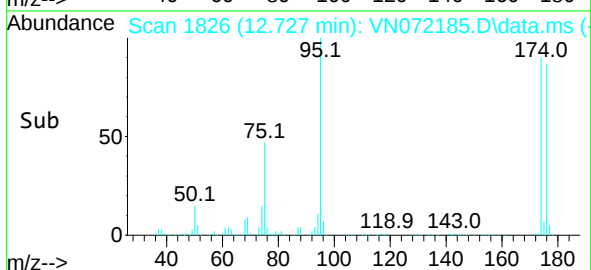
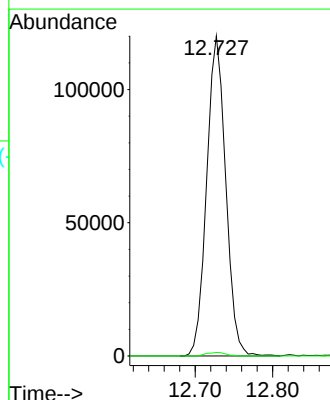
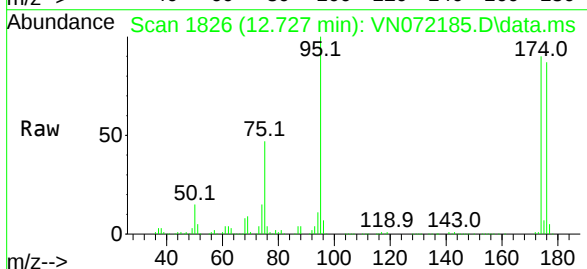
Acq: 25 Apr 2022 17:28

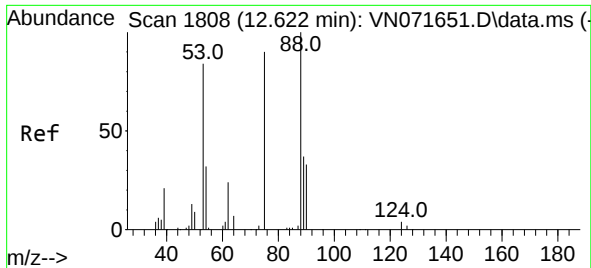
Tgt Ion: 75 Resp: 204884

Ion Ratio Lower Upper

75 100

77 1.1 98.5 295.5#

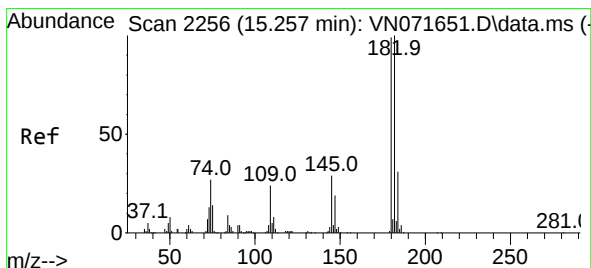
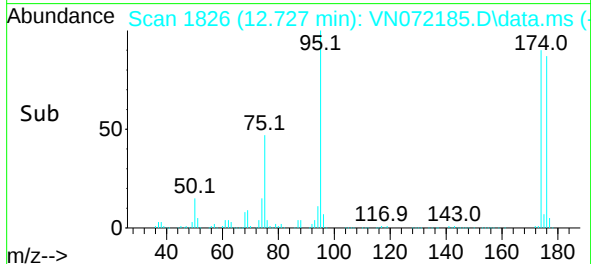
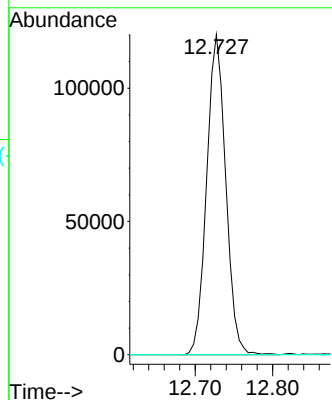
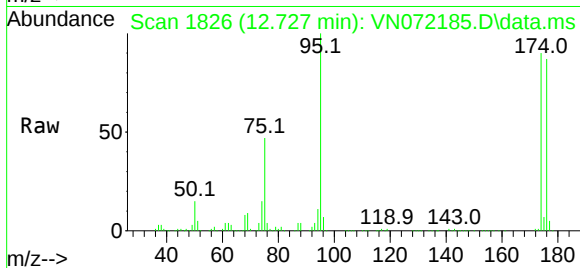




#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.635 ug/l
 RT: 12.727 min Scan# 1808
 Delta R.T. 0.105 min
 Lab File: VN072185.D
 Acq: 25 Apr 2022 17:28

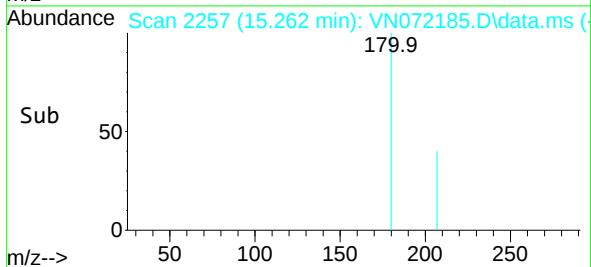
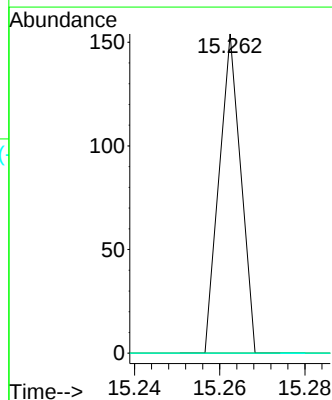
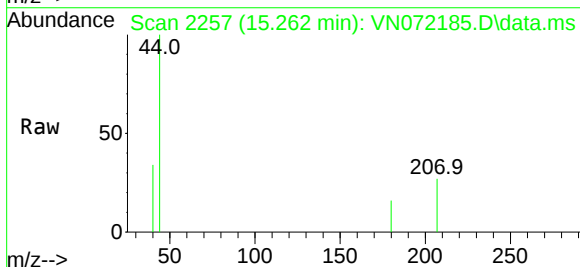
Instrument :
 MSVOA_N
 ClientSampleId :
 PB144332ZHE#04

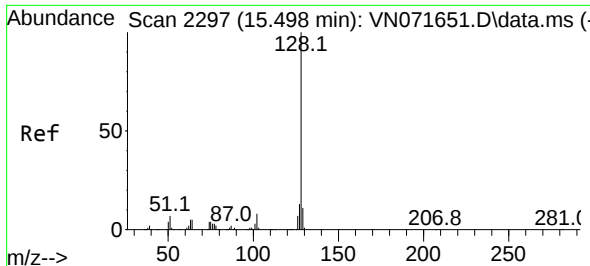
Tgt Ion: 75 Resp: 204884
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 37.2 55.8#



#93
 1,2,4-Trichlorobenzene
 Concen: 2.094 ug/l
 RT: 15.262 min Scan# 2257
 Delta R.T. 0.005 min
 Lab File: VN072185.D
 Acq: 25 Apr 2022 17:28

Tgt Ion:180 Resp: 54
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.5 142.5#
 145 0.0 14.5 43.5#

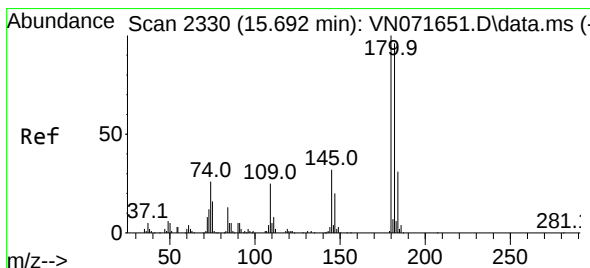
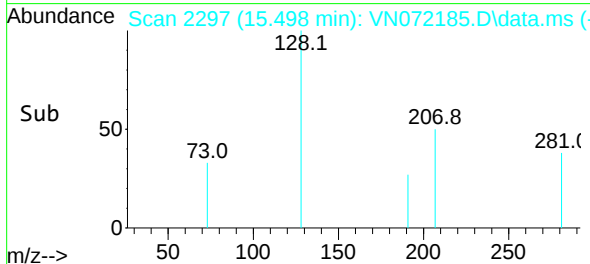
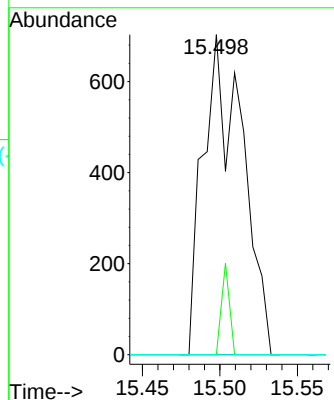
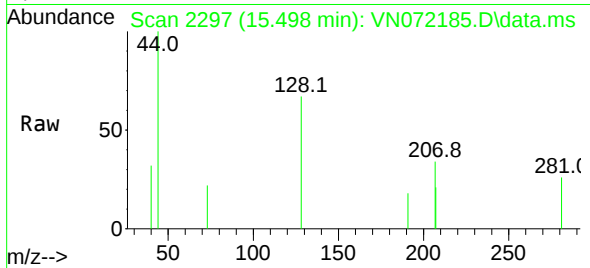




#95
Naphthalene
Concen: 3.864 ug/l
RT: 15.498 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN072185.D
Acq: 25 Apr 2022 17:28

Instrument :
MSVOA_N
ClientSampleId :
PB144332ZHE#04

Tgt Ion:128 Resp: 1235
Ion Ratio Lower Upper
128 100
127 5.7 10.3 15.5#
129 0.0 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 2.424 ug/l
RT: 15.692 min Scan# 2330
Delta R.T. -0.000 min
Lab File: VN072185.D
Acq: 25 Apr 2022 17:28

Tgt Ion:180 Resp: 65
Ion Ratio Lower Upper
180 100
182 0.0 47.8 143.3#
145 0.0 15.5 46.5#

