

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041522\
 Data File : VN072019.D
 Acq On : 15 Apr 2022 22:27
 Operator : JC\MD
 Sample : PB144101ZHE#07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB144101ZHE#07

Quant Time: Apr 16 00:09:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

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

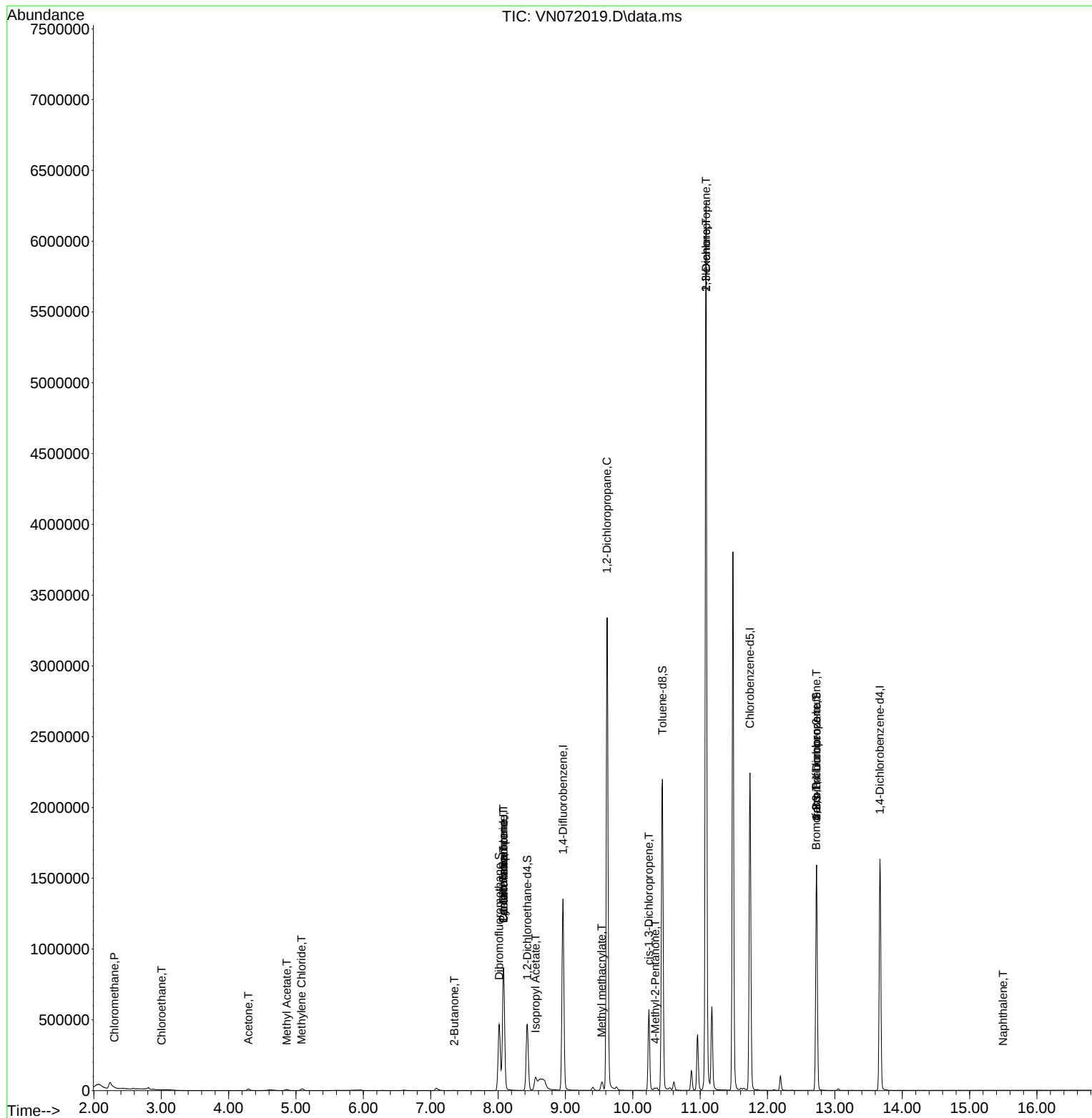
Internal Standards						
1) Pentafluorobenzene	8.080	168	731127	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1253956	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1397757	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	495273	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	390162	46.745	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	93.480%
35) Dibromofluoromethane	8.016	113	349147	47.317	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	94.640%
50) Toluene-d8	10.439	98	1647392	54.576	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	109.160%
62) 4-Bromofluorobenzene	12.727	95	567313	58.113	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	116.220%
Target Compounds						
					Qvalue	
3) Chloromethane	2.304	50	1623	0.220	ug/l #	88
6) Chloroethane	3.004	64	1379	0.237	ug/l #	42
16) Acetone	4.293	43	15886	4.454	ug/l	91
18) Methyl Acetate	4.863	43	18127	0.555	ug/l	100
20) Methylene Chloride	5.081	84	11168	1.485	ug/l #	83
25) 2-Butanone	7.351	43	3824	0.744	ug/l #	74
31) Cyclohexane	8.080	56	11579	1.020	ug/l #	1
36) 1,1-Dichloropropene	8.080	75	49023	4.758	ug/l #	48
38) Carbon Tetrachloride	8.080	117	64623	6.399	ug/l #	17
43) Isopropyl Acetate	8.557	43	113464	6.048	ug/l #	76
45) 1,2-Dichloropropane	9.616	63	4539	0.558	ug/l #	44
48) Methyl methacrylate	9.539	41	15486	1.990	ug/l #	10
49) 1,4-Dioxane	9.616	88	575	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.333	43	10338	0.959	ug/l	99
54) cis-1,3-Dichloropropene	10.239	75	115129	9.148	ug/l #	57
57) 1,3-Dichloropropane	11.086	76	72652	5.131	ug/l #	42
59) 2-Hexanone	11.086	43	836967	110.220	ug/l #	49
71) Bromoform	12.721	173	2679	0.348	ug/l #	28
76) 1,2,3-Trichloropropane	12.727	75	265047	23.101	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	265047	71.589	ug/l #	10
95) Naphthalene	15.498	128	552	3.826	ug/l #	69

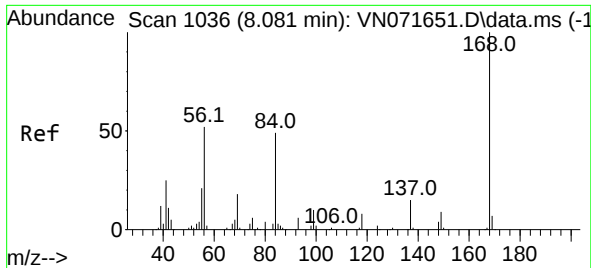
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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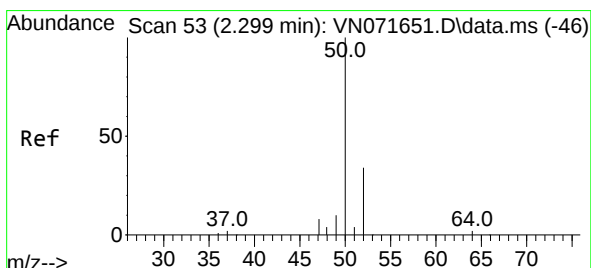
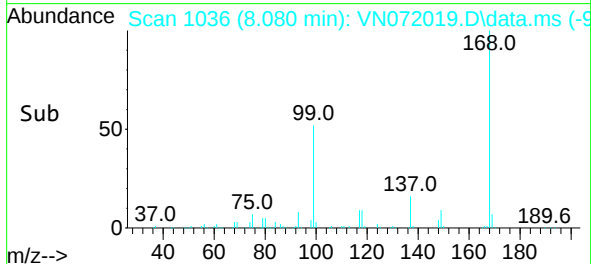
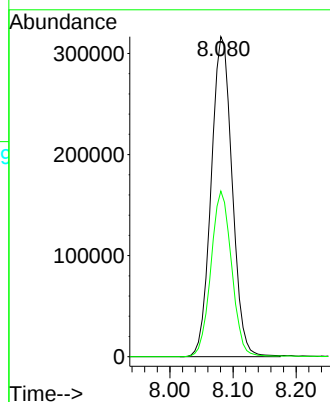
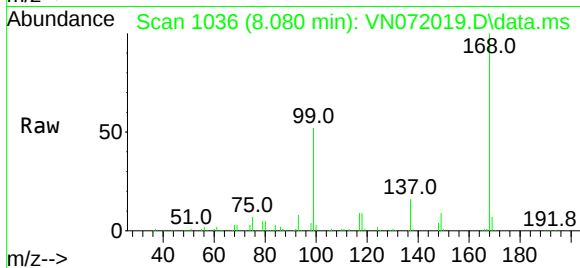




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN072019.D
Acq: 15 Apr 2022 22:27

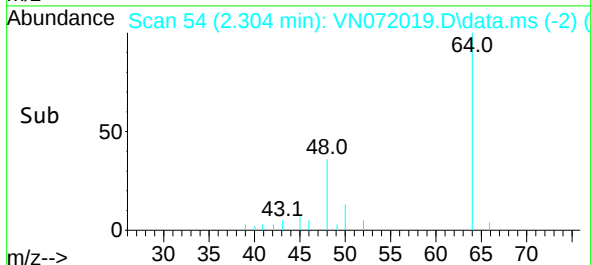
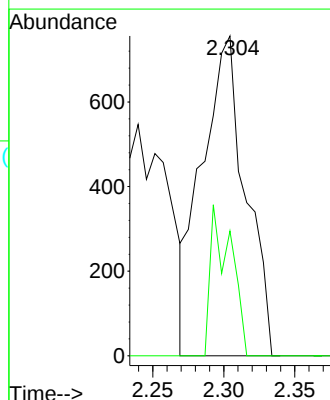
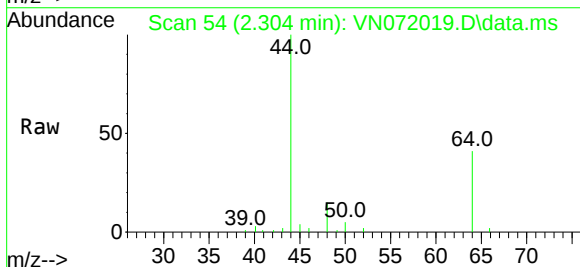
Instrument :
MSVOA_N
ClientSampleId :
PB144101ZHE#07

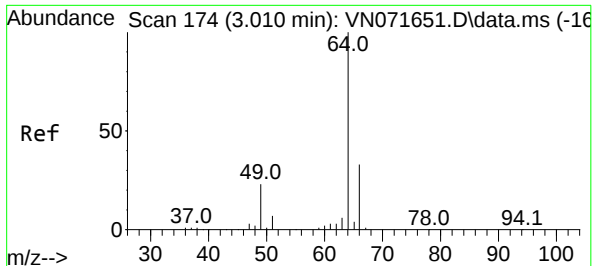
Tgt Ion:168 Resp: 731127
Ion Ratio Lower Upper
168 100
99 51.7 42.3 63.5



#3
Chloromethane
Concen: 0.220 ug/l
RT: 2.304 min Scan# 54
Delta R.T. 0.005 min
Lab File: VN072019.D
Acq: 15 Apr 2022 22:27

Tgt Ion: 50 Resp: 1623
Ion Ratio Lower Upper
50 100
52 39.0 25.7 38.5#

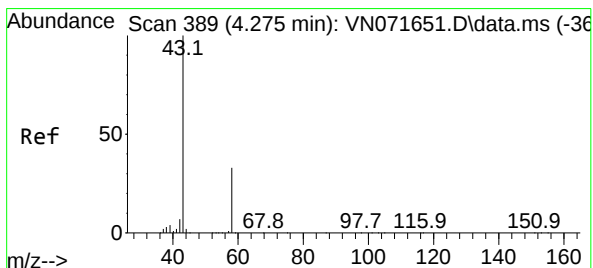
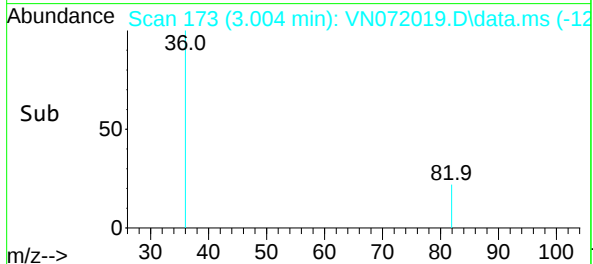
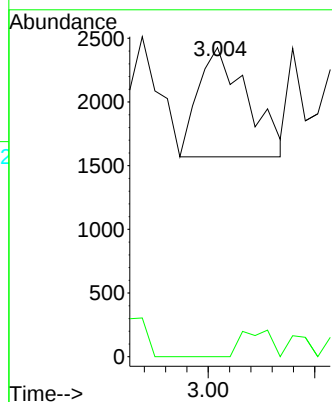
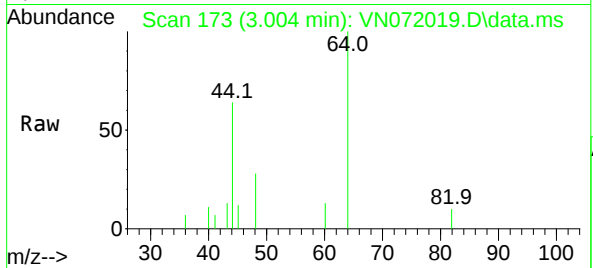




#6
Chloroethane
Concen: 0.237 ug/l
RT: 3.004 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN072019.D
Acq: 15 Apr 2022 22:27

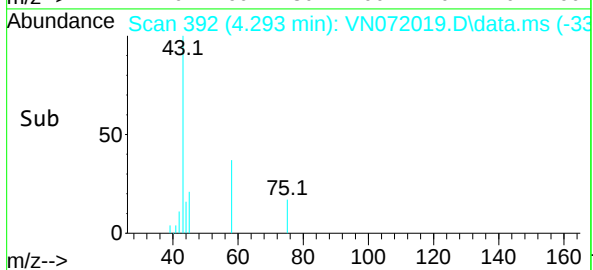
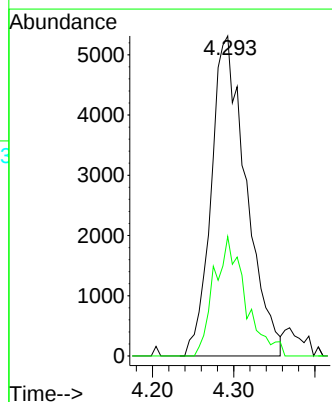
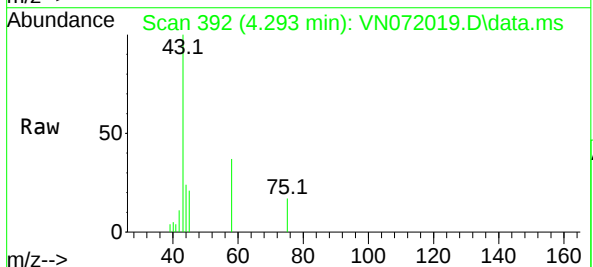
Instrument :
MSVOA_N
ClientSampleId :
PB144101ZHE#07

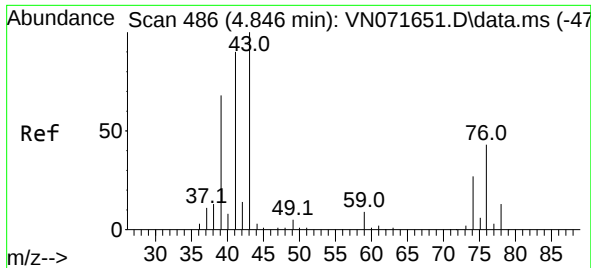
Tgt Ion: 64 Resp: 1379
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#16
Acetone
Concen: 4.454 ug/l
RT: 4.293 min Scan# 392
Delta R.T. 0.018 min
Lab File: VN072019.D
Acq: 15 Apr 2022 22:27

Tgt Ion: 43 Resp: 15886
Ion Ratio Lower Upper
43 100
58 37.3 26.0 39.0

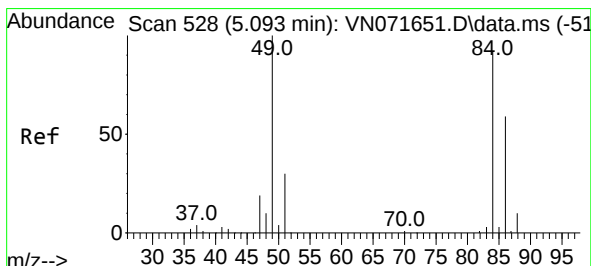
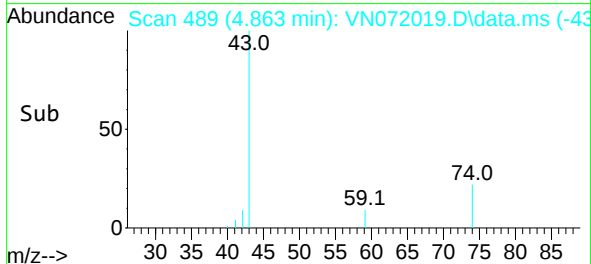
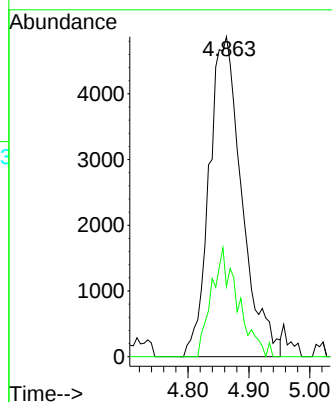
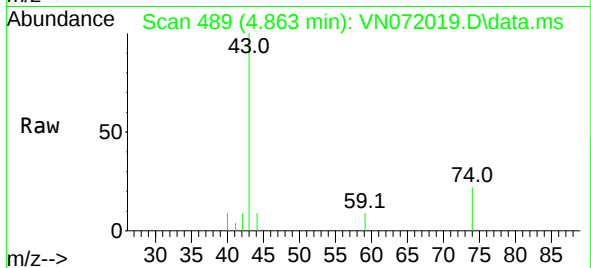




#18
Methyl Acetate
Concen: 0.555 ug/l
RT: 4.863 min Scan# 41
Delta R.T. 0.017 min
Lab File: VN072019.D
Acq: 15 Apr 2022 22:27

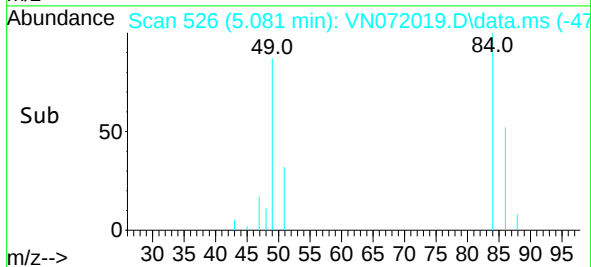
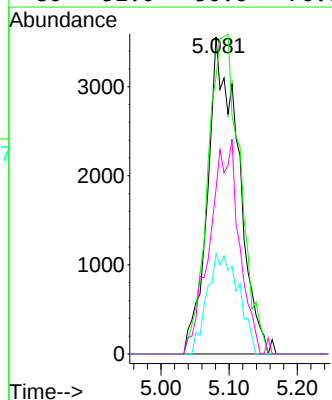
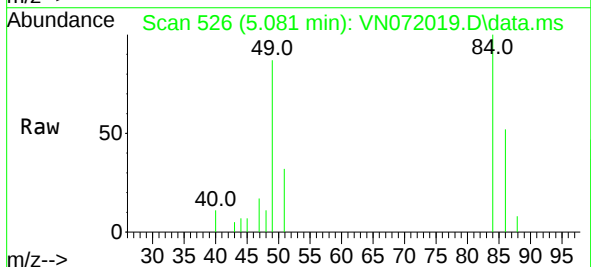
Instrument :
MSVOA_N
ClientSampleId :
PB144101ZHE#07

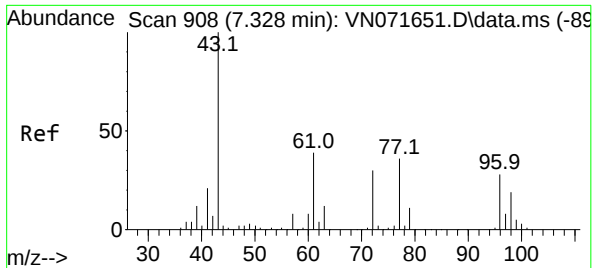
Tgt Ion: 43 Resp: 18127
Ion Ratio Lower Upper
43 100
74 27.3 21.6 32.4



#20
Methylene Chloride
Concen: 1.485 ug/l
RT: 5.081 min Scan# 526
Delta R.T. -0.012 min
Lab File: VN072019.D
Acq: 15 Apr 2022 22:27

Tgt Ion: 84 Resp: 11168
Ion Ratio Lower Upper
84 100
49 87.3 88.3 132.5#
51 31.7 28.2 42.2
86 52.0 50.6 76.0

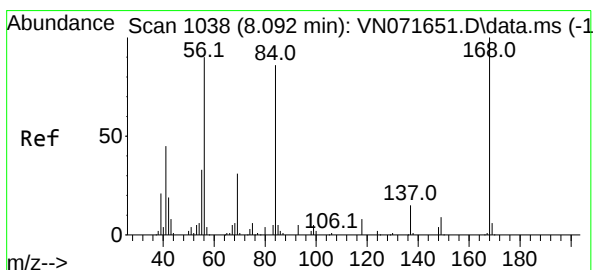
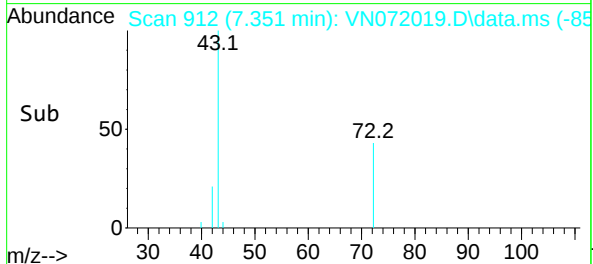
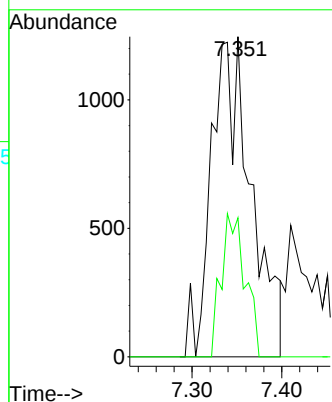
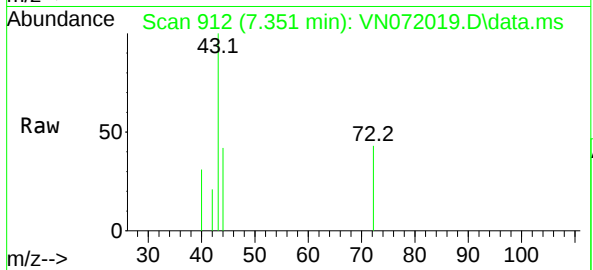




#25
2-Butanone
Concen: 0.744 ug/l
RT: 7.351 min Scan# 91
Delta R.T. 0.023 min
Lab File: VN072019.D
Acq: 15 Apr 2022 22:27

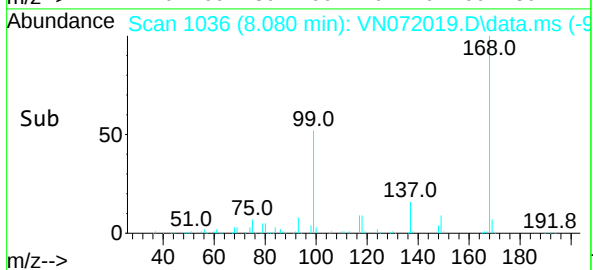
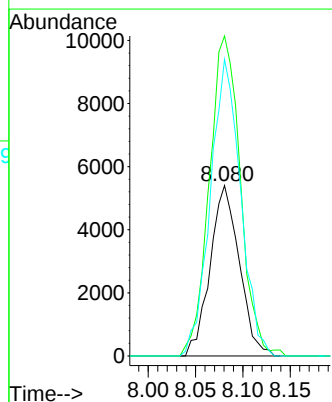
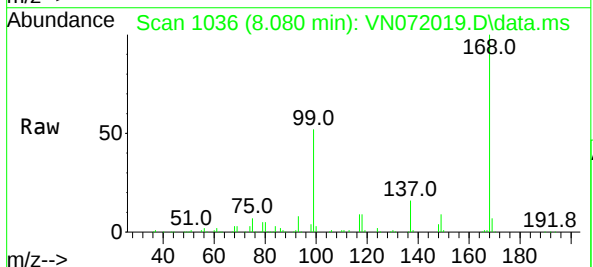
Instrument :
MSVOA_N
ClientSampleId :
PB144101ZHE#07

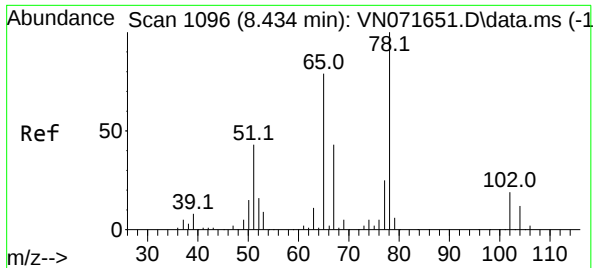
Tgt Ion: 43 Resp: 3824
Ion Ratio Lower Upper
43 100
72 43.4 23.7 35.5#



#31
Cyclohexane
Concen: 1.020 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.012 min
Lab File: VN072019.D
Acq: 15 Apr 2022 22:27

Tgt Ion: 56 Resp: 11579
Ion Ratio Lower Upper
56 100
69 187.7 27.8 41.8#
84 174.0 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 46.745 ug/l

RT: 8.433 min Scan# 1109

Delta R.T. -0.001 min

Lab File: VN072019.D

Acq: 15 Apr 2022 22:27

Instrument :

MSVOA_N

ClientSampleId :

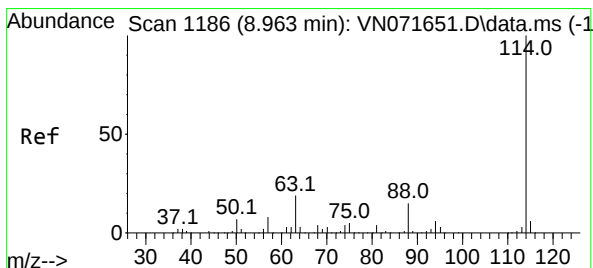
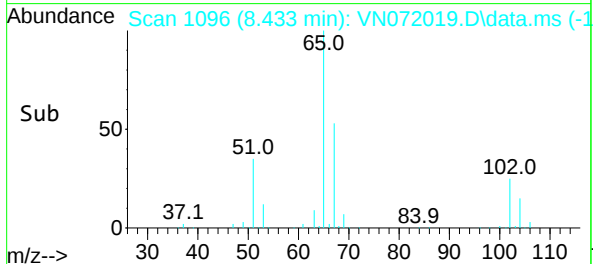
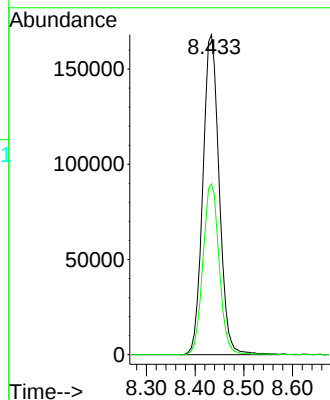
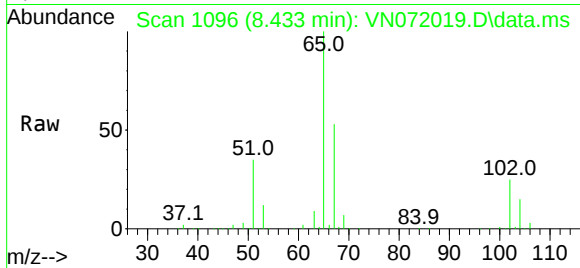
PB144101ZHE#07

Tgt Ion: 65 Resp: 390162

Ion Ratio Lower Upper

65 100

67 53.2 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: VN072019.D

Acq: 15 Apr 2022 22:27

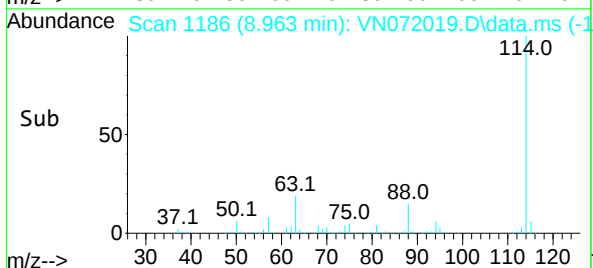
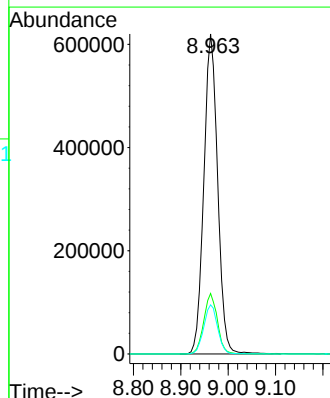
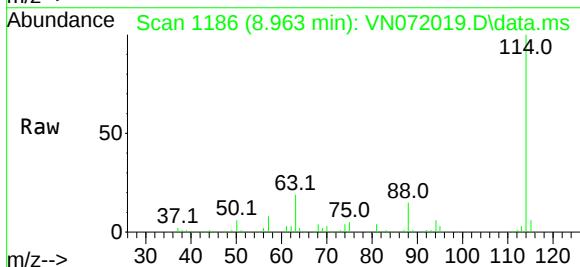
Tgt Ion: 114 Resp: 1253956

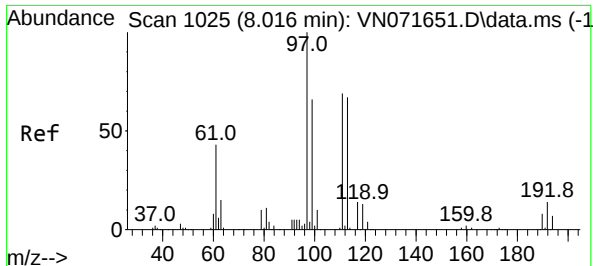
Ion Ratio Lower Upper

114 100

63 18.9 0.0 40.0

88 15.4 0.0 32.6





#35

Dibromofluoromethane

Concen: 47.317 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.000 min

Lab File: VN072019.D

Acq: 15 Apr 2022 22:27

Instrument :

MSVOA_N

ClientSampleId :

PB144101ZHE#07

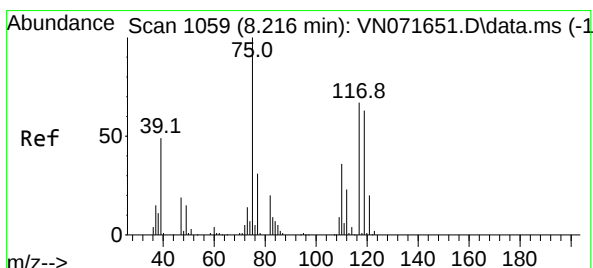
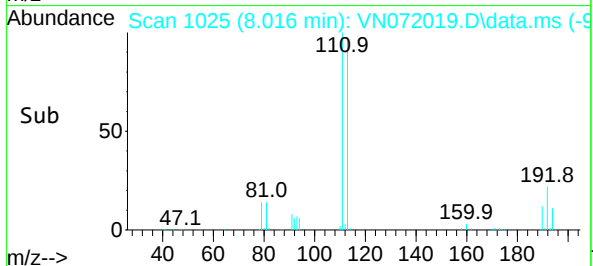
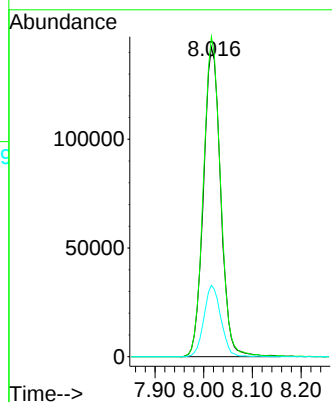
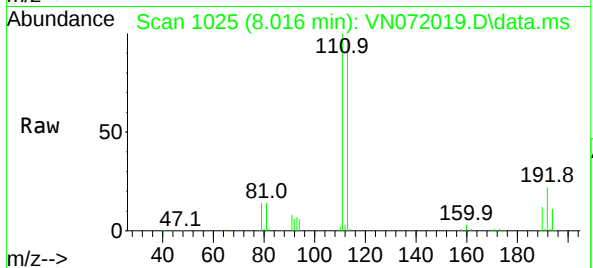
Tgt Ion:113 Resp: 349147

Ion Ratio Lower Upper

113 100

111 102.1 81.4 122.0

192 22.7 17.0 25.6



#36

1,1-Dichloropropene

Concen: 4.758 ug/l

RT: 8.080 min Scan# 1036

Delta R.T. -0.136 min

Lab File: VN072019.D

Acq: 15 Apr 2022 22:27

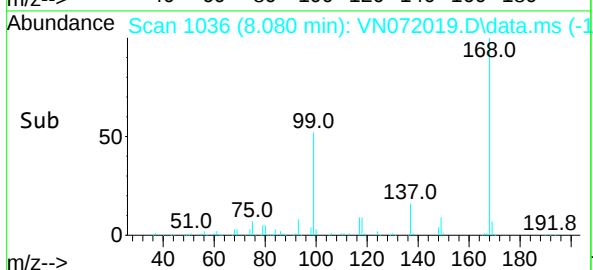
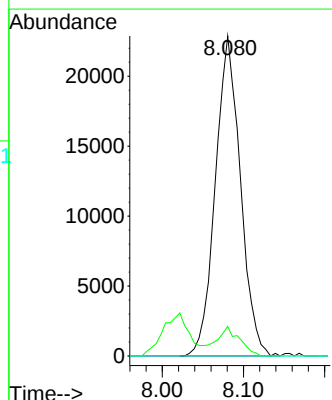
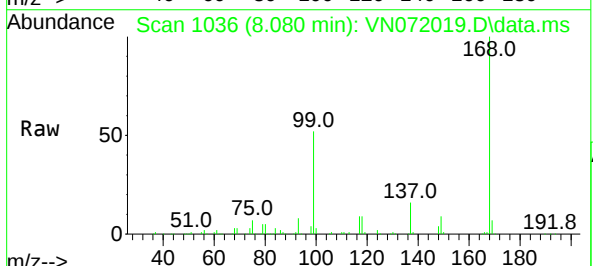
Tgt Ion: 75 Resp: 49023

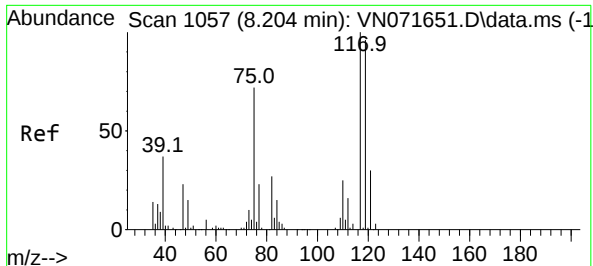
Ion Ratio Lower Upper

75 100

110 8.5 18.3 54.8#

77 0.0 25.1 37.7#

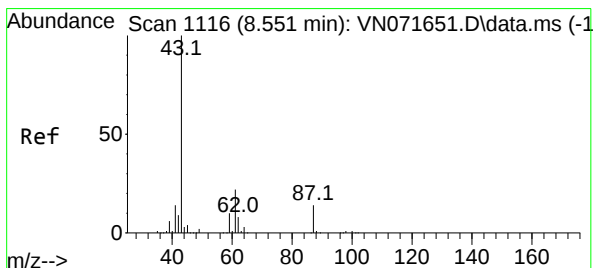
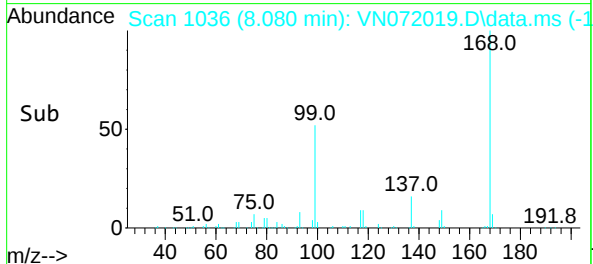
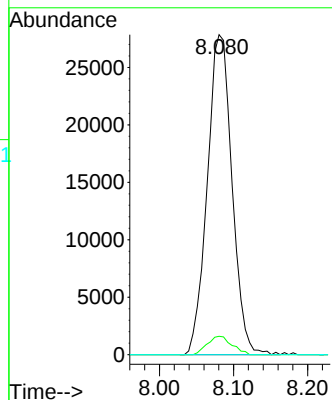
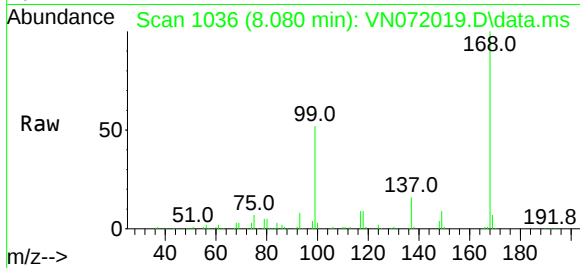




#38
Carbon Tetrachloride
Concen: 6.399 ug/l
RT: 8.080 min Scan# 1107
Delta R.T. -0.124 min
Lab File: VN072019.D
Acq: 15 Apr 2022 22:27

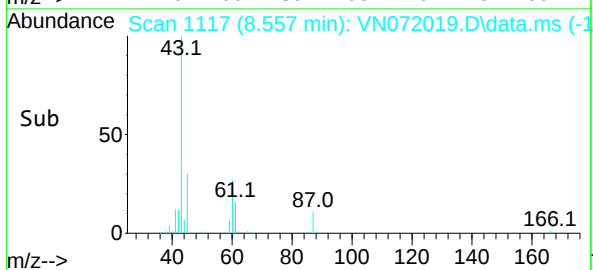
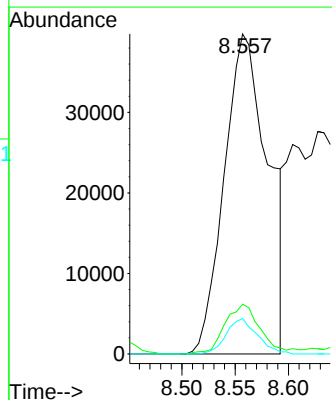
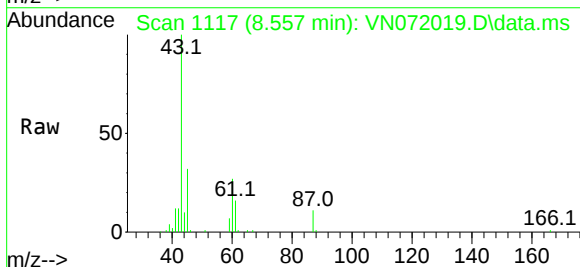
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PB144101ZHE#07

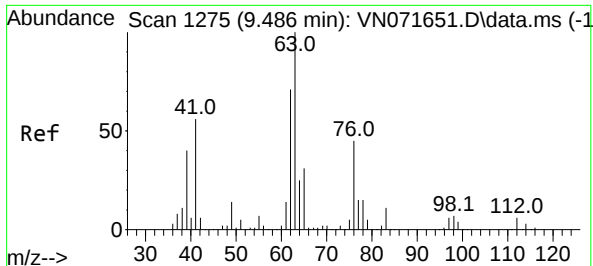
Tgt Ion:117 Resp: 64623
Ion Ratio Lower Upper
117 100
119 5.7 75.8 113.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 6.048 ug/l
RT: 8.557 min Scan# 1117
Delta R.T. 0.006 min
Lab File: VN072019.D
Acq: 15 Apr 2022 22:27

Tgt Ion: 43 Resp: 113464
Ion Ratio Lower Upper
43 100
61 12.8 21.9 32.9#
87 7.9 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.558 ug/l

RT: 9.616 min Scan# 1

Delta R.T. 0.130 min

Lab File: VN072019.D

Acq: 15 Apr 2022 22:27

Instrument :

MSVOA_N

ClientSampleId :

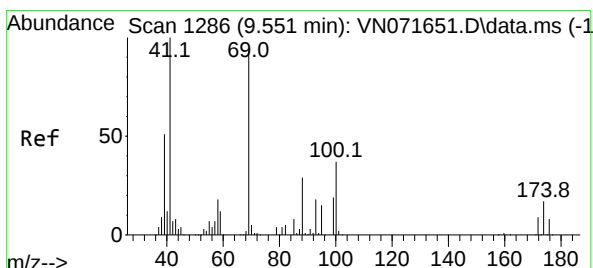
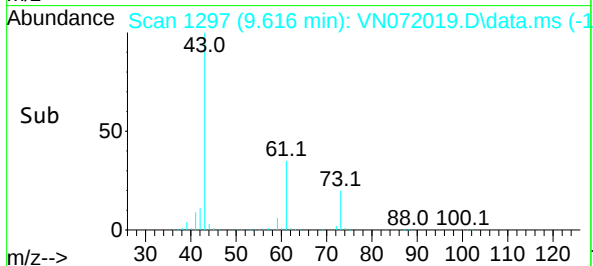
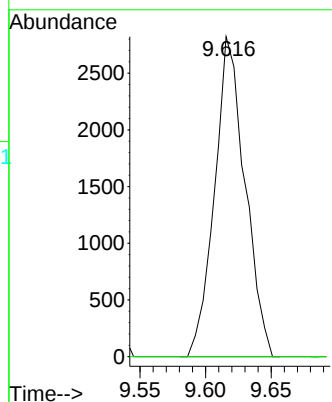
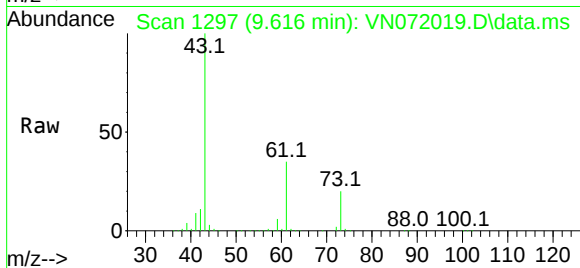
PB144101ZHE#07

Tgt Ion: 63 Resp: 4539

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#



#48

Methyl methacrylate

Concen: 1.990 ug/l

RT: 9.539 min Scan# 1284

Delta R.T. -0.012 min

Lab File: VN072019.D

Acq: 15 Apr 2022 22:27

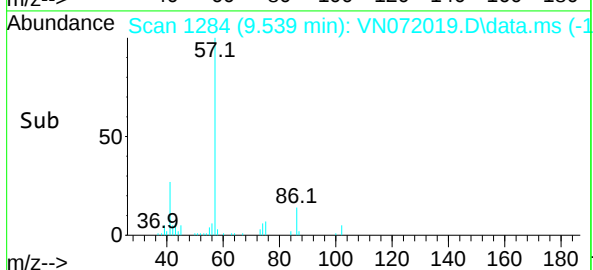
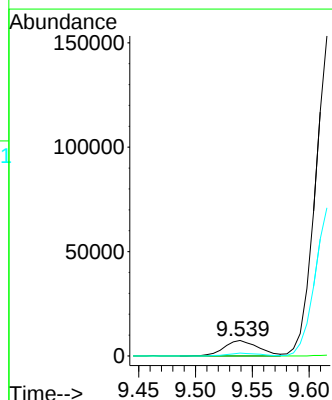
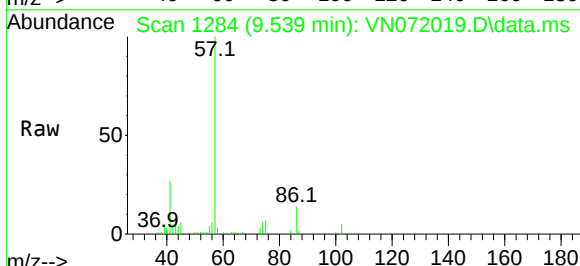
Tgt Ion: 41 Resp: 15486

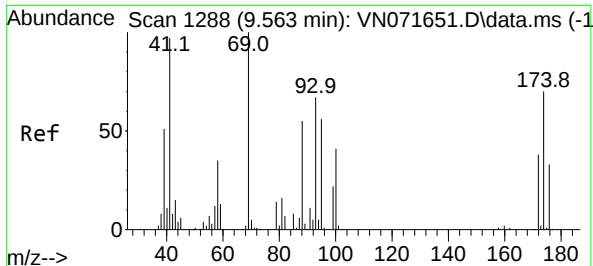
Ion Ratio Lower Upper

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# 1288

Delta R.T. 0.053 min

Lab File: VN072019.D

Acq: 15 Apr 2022 22:27

Instrument :

MSVOA_N

ClientSampleId :

PB144101ZHE#07

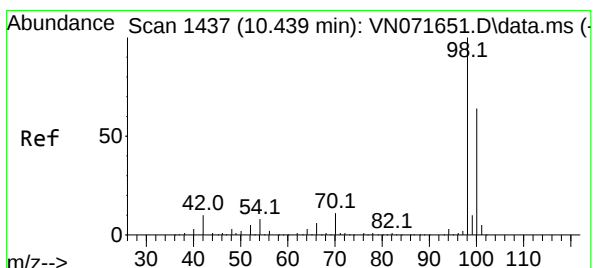
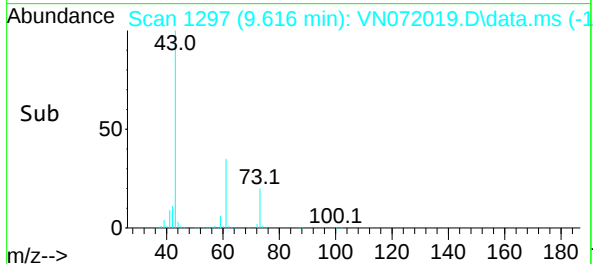
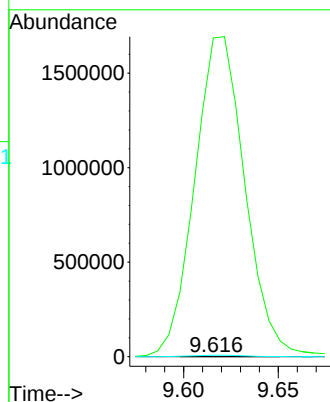
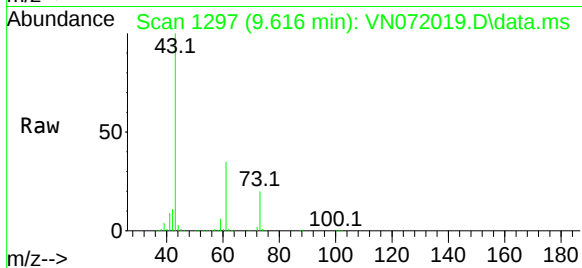
Tgt Ion: 88 Resp: 575

Ion Ratio Lower Upper

88 100

43 550410.8 20.2 30.4#

58 2767.8 54.2 81.4#



#50

Toluene-d8

Concen: 54.576 ug/l

RT: 10.439 min Scan# 1437

Delta R.T. 0.000 min

Lab File: VN072019.D

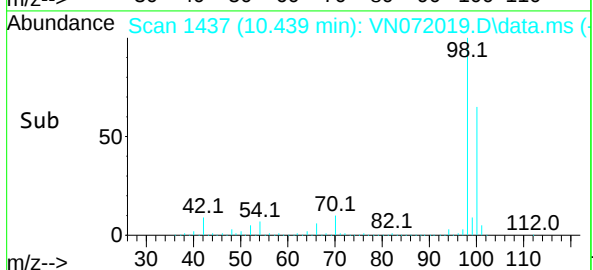
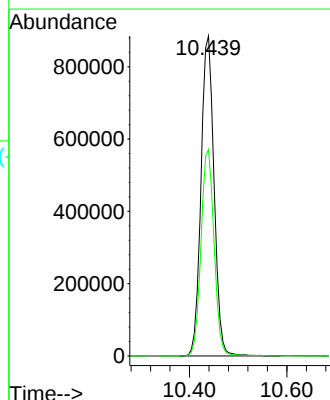
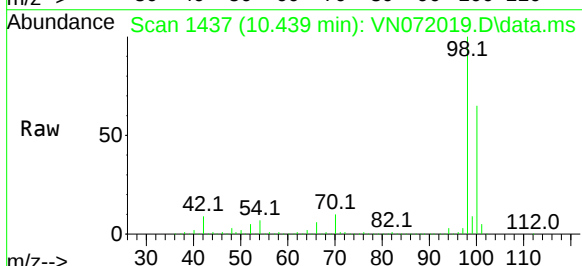
Acq: 15 Apr 2022 22:27

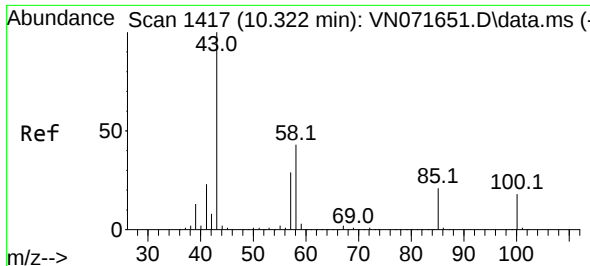
Tgt Ion: 98 Resp: 1647392

Ion Ratio Lower Upper

98 100

100 64.7 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 0.959 ug/l

RT: 10.333 min Scan# 1417

Delta R.T. 0.011 min

Lab File: VN072019.D

Acq: 15 Apr 2022 22:27

Instrument :

MSVOA_N

ClientSampleId :

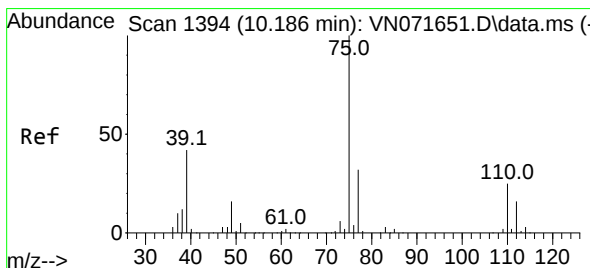
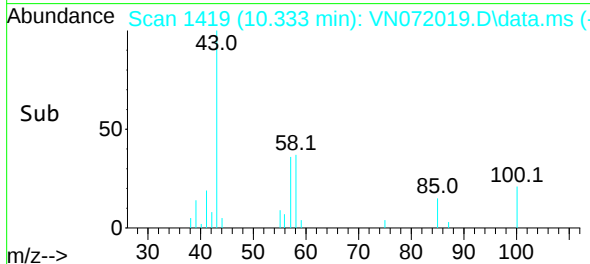
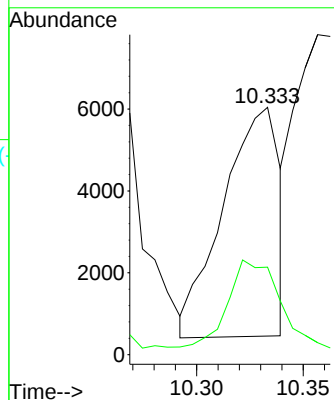
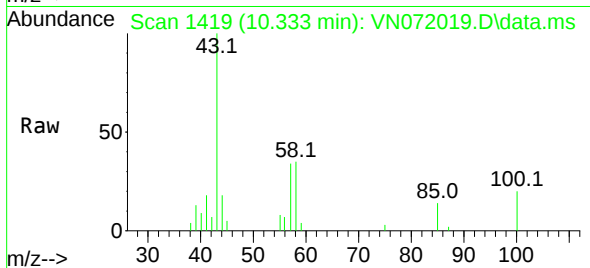
PB144101ZHE#07

Tgt Ion: 43 Resp: 10338

Ion Ratio Lower Upper

43 100

58 43.4 34.1 51.1



#54

cis-1,3-Dichloropropene

Concen: 9.148 ug/l

RT: 10.239 min Scan# 1403

Delta R.T. 0.053 min

Lab File: VN072019.D

Acq: 15 Apr 2022 22:27

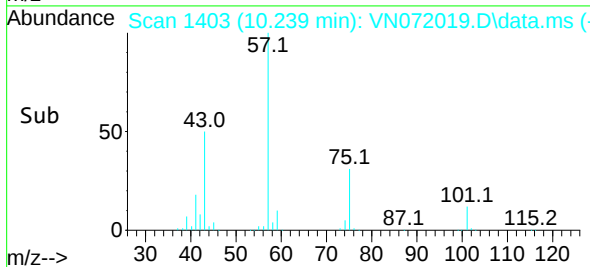
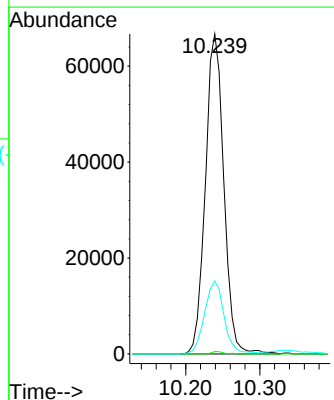
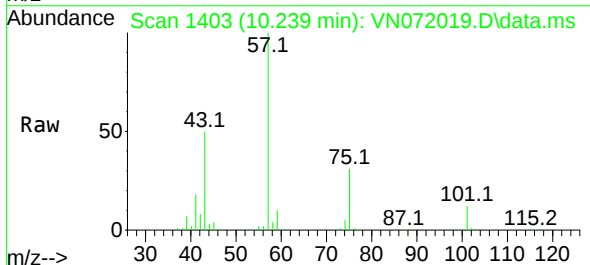
Tgt Ion: 75 Resp: 115129

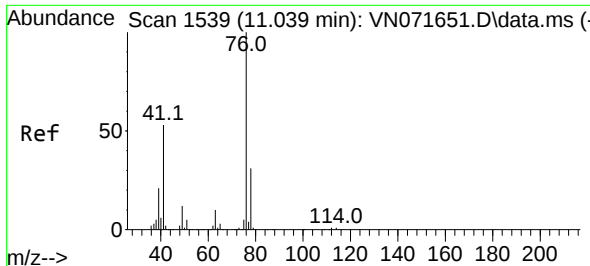
Ion Ratio Lower Upper

75 100

77 0.7 25.2 37.8#

39 22.8 35.7 53.5#





#57

1,3-Dichloropropane

Concen: 5.131 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.047 min

Lab File: VN072019.D

Acq: 15 Apr 2022 22:27

Instrument :

MSVOA_N

ClientSampleId :

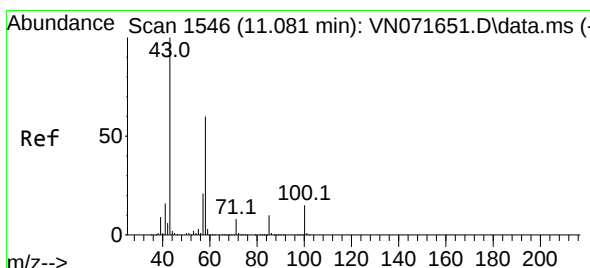
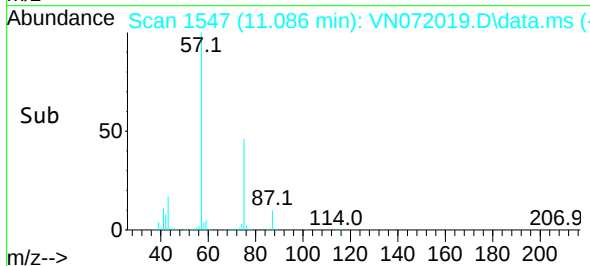
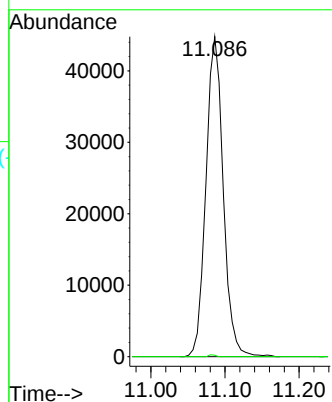
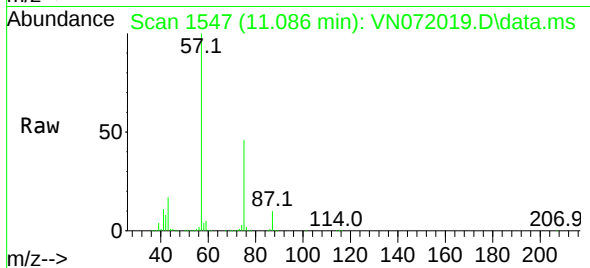
PB144101ZHE#07

Tgt Ion: 76 Resp: 72652

Ion Ratio Lower Upper

76 100

78 0.2 26.2 39.2#



#59

2-Hexanone

Concen: 110.220 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.005 min

Lab File: VN072019.D

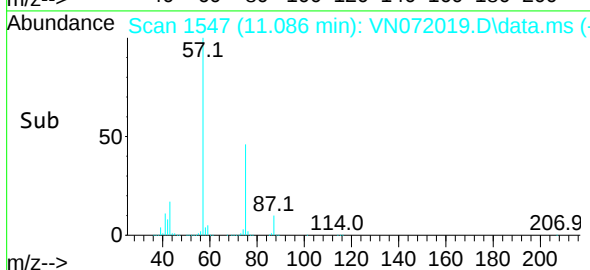
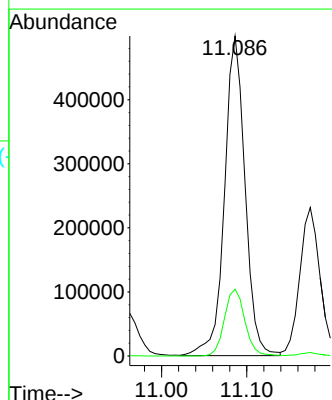
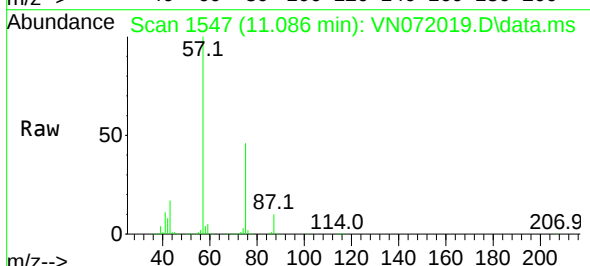
Acq: 15 Apr 2022 22:27

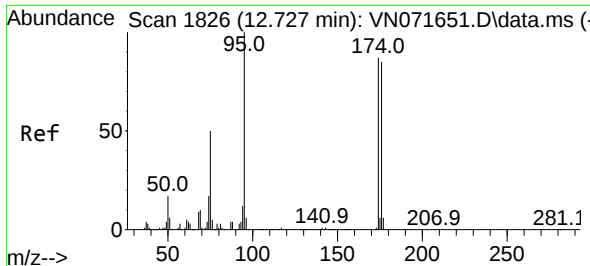
Tgt Ion: 43 Resp: 836967

Ion Ratio Lower Upper

43 100

58 20.8 29.7 89.1#

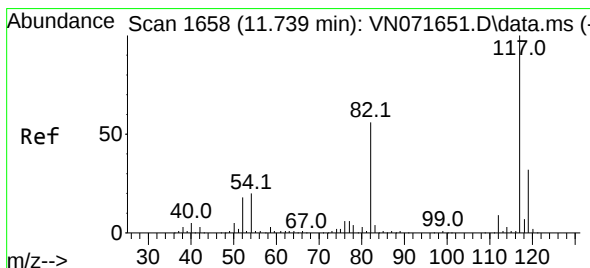
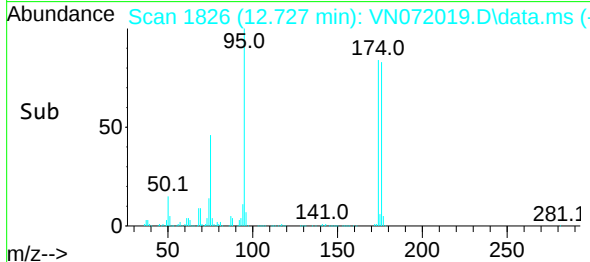
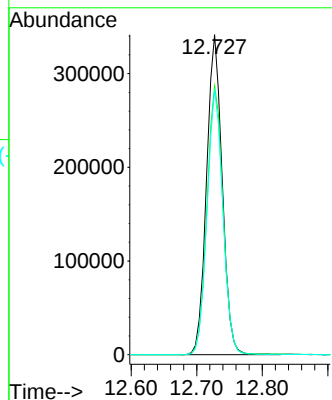
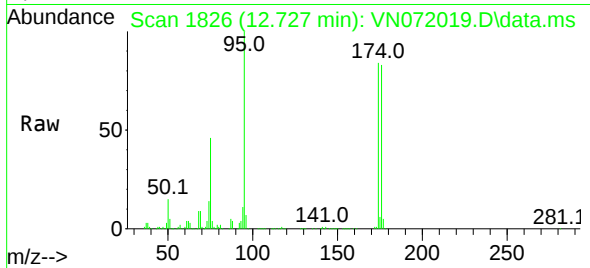




#62
4-Bromofluorobenzene
Concen: 58.113 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072019.D
Acq: 15 Apr 2022 22:27

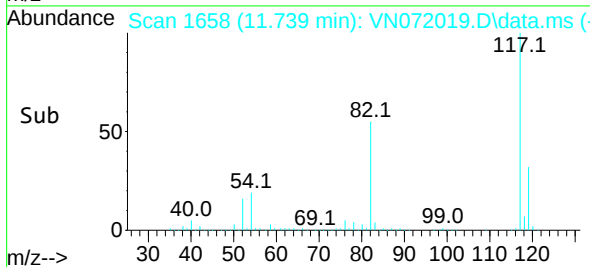
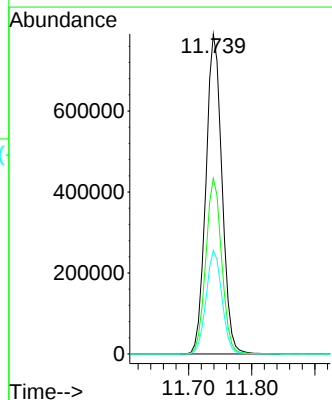
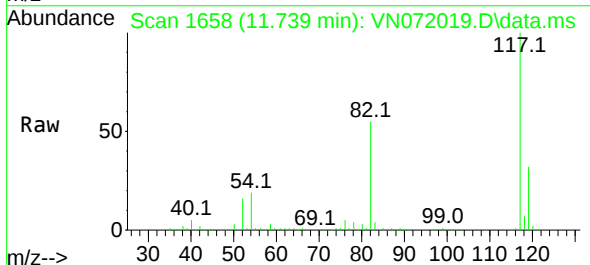
Instrument :
MSVOA_N
ClientSampleId :
PB144101ZHE#07

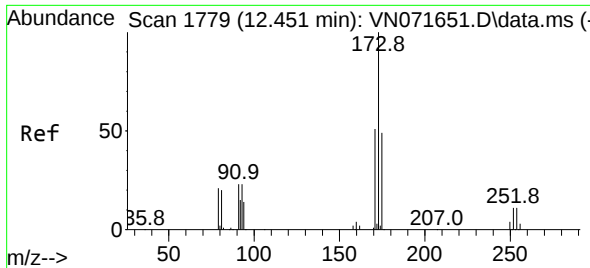
Tgt Ion: 95 Resp: 567313
Ion Ratio Lower Upper
95 100
174 86.0 0.0 167.6
176 83.5 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072019.D
Acq: 15 Apr 2022 22:27

Tgt Ion: 117 Resp: 1397757
Ion Ratio Lower Upper
117 100
82 54.9 44.2 66.2
119 32.3 25.4 38.0

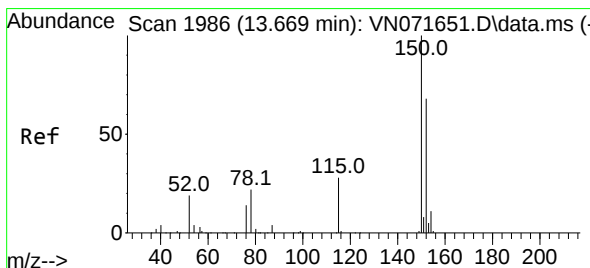
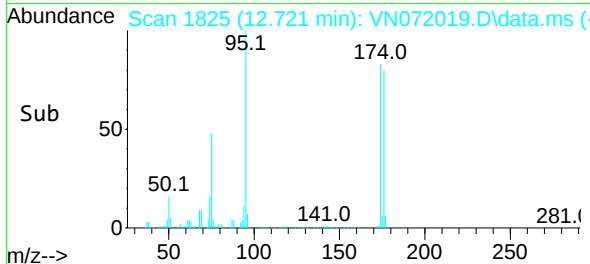
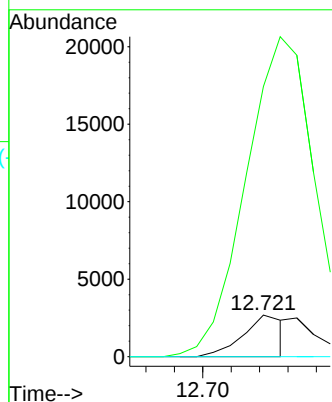
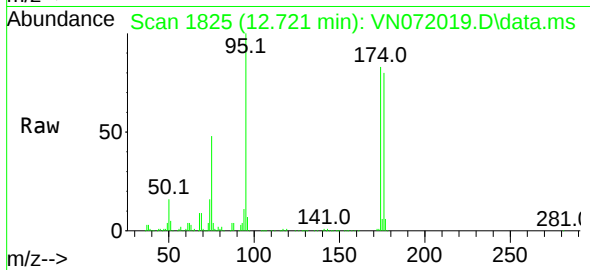




#71
Bromoform
Concen: 0.348 ug/l
RT: 12.721 min Scan# 1825
Delta R.T. 0.270 min
Lab File: VN072019.D
Acq: 15 Apr 2022 22:27

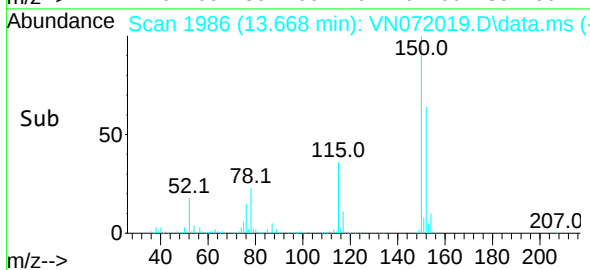
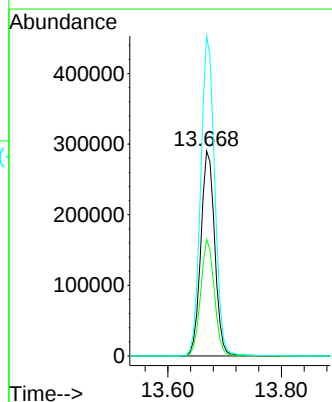
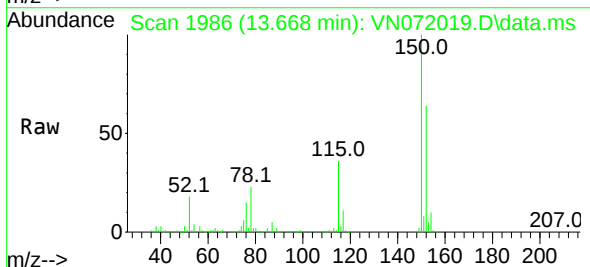
Instrument :
MSVOA_N
ClientSampleId :
PB144101ZHE#07

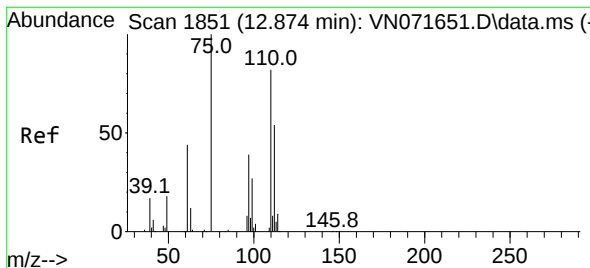
Tgt Ion:173 Resp: 2679
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.001 min
Lab File: VN072019.D
Acq: 15 Apr 2022 22:27

Tgt Ion:152 Resp: 495273
Ion Ratio Lower Upper
152 100
115 56.0 28.9 86.7
150 157.0 0.0 356.2





#76

1,2,3-Trichloropropane

Concen: 23.101 ug/l

RT: 12.727 min Scan# 1826

Delta R.T. -0.147 min

Lab File: VN072019.D

Acq: 15 Apr 2022 22:27

Instrument :

MSVOA_N

ClientSampleId :

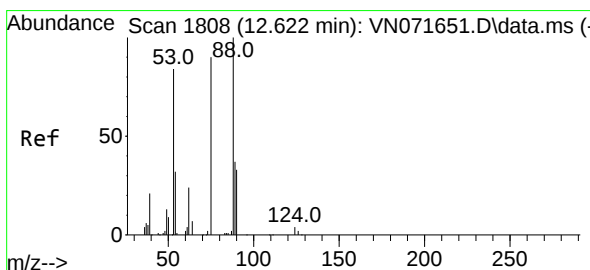
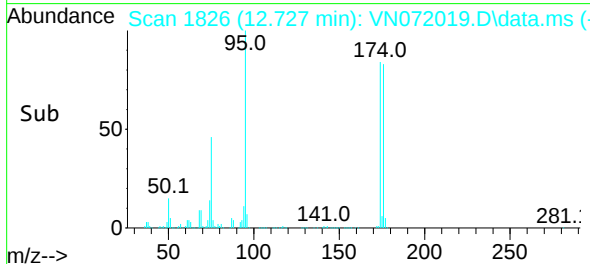
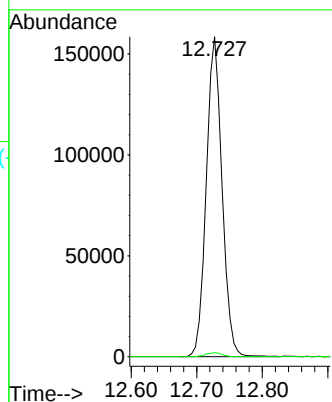
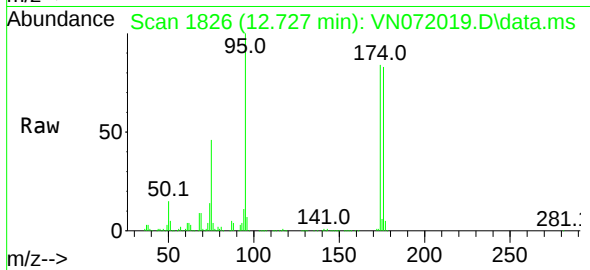
PB144101ZHE#07

Tgt Ion: 75 Resp: 265047

Ion Ratio Lower Upper

75 100

77 1.3 98.5 295.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 71.589 ug/l

RT: 12.727 min Scan# 1826

Delta R.T. 0.105 min

Lab File: VN072019.D

Acq: 15 Apr 2022 22:27

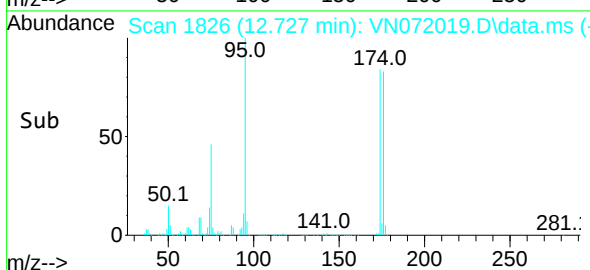
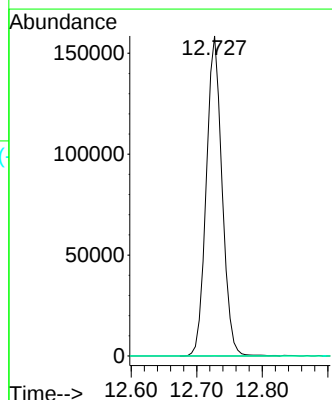
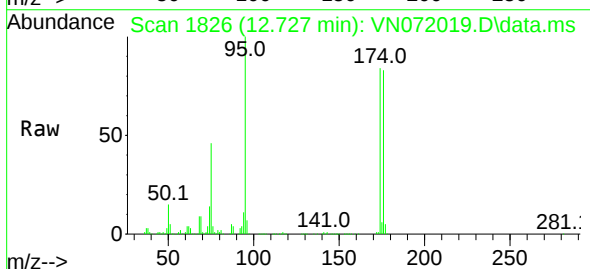
Tgt Ion: 75 Resp: 265047

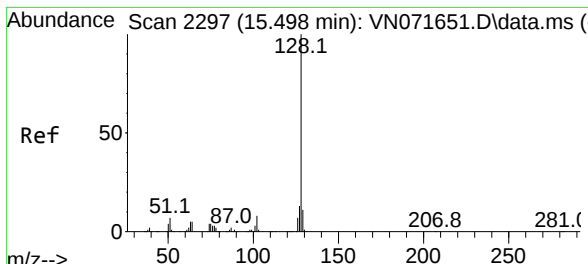
Ion Ratio Lower Upper

75 100

53 0.0 78.0 117.0#

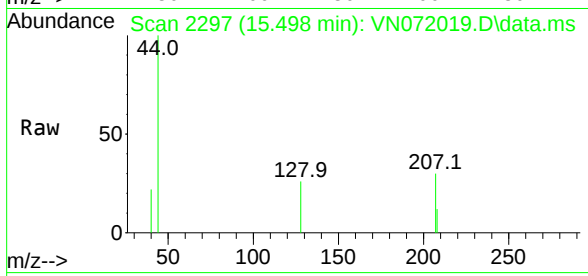
89 0.0 37.2 55.8#





#95
 Naphthalene
 Concen: 3.826 ug/l
 RT: 15.498 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN072019.D
 Acq: 15 Apr 2022 22:27

Instrument :
 MSVOA_N
 ClientSampleId :
 PB144101ZHE#07



Tgt Ion:	128	Resp:	552
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.6	13.0#

