

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061422\
 Data File : VN072860.D
 Acq On : 15 Jun 2022 03:31
 Operator : JC\MD
 Sample : N3329-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PALMYRA-RT-73-COMP-1

Quant Time: Jun 15 04:38:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 15 04:13:32 2022
 Response via : Initial Calibration

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

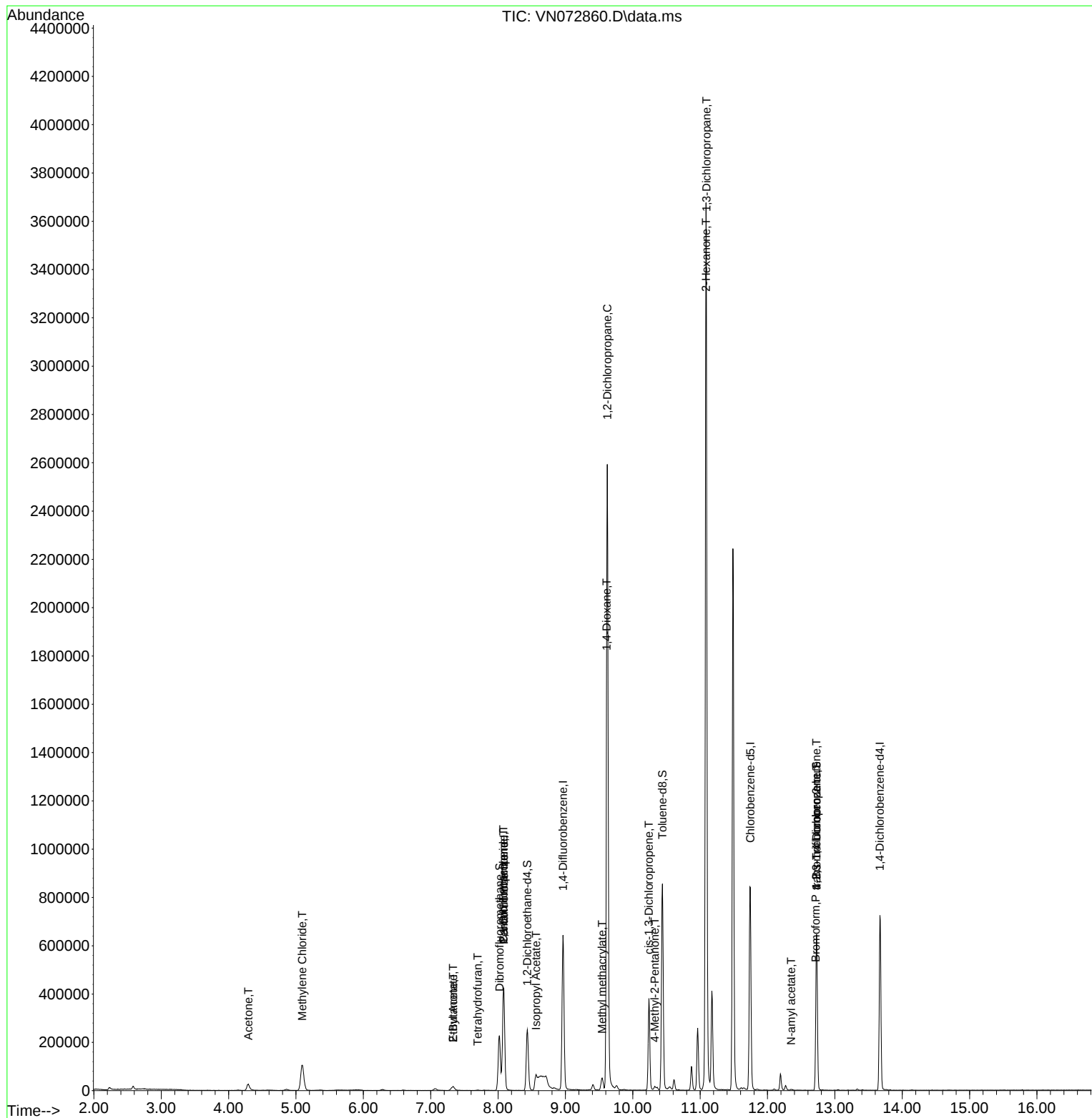
Internal Standards						
1) Pentafluorobenzene	8.087	168	311078	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	542328	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.745	117	487429	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	190778	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	210112	43.611	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	87.220%
35) Dibromofluoromethane	8.022	113	171747	51.150	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	102.300%
50) Toluene-d8	10.440	98	581363	43.873	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	87.740%
62) 4-Bromofluorobenzene	12.728	95	227199	51.078	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	102.160%
Target Compounds						
					Qvalue	
3) Chloromethane	2.287	50	535	Below Cal	#	43
6) Chloroethane	2.969	64	161	Below Cal	#	42
16) Acetone	4.293	43	51929	19.285	ug/l	100
17) Carbon Disulfide	4.528	76	80	Below Cal	#	75
18) Methyl Acetate	4.858	43	10158	Below Cal		91
20) Methylene Chloride	5.093	84	84907	23.851	ug/l	93
25) 2-Butanone	7.334	43	24707	5.791	ug/l	# 88
29) Tetrahydrofuran	7.699	42	1505	0.553	ug/l	# 56
31) Cyclohexane	8.087	56	8443	Below Cal	#	31
36) 1,1-Dichloropropene	8.081	75	28413	6.336	ug/l	# 48
37) Ethyl Acetate	7.334	43	24707	3.266	ug/l	# 68
38) Carbon Tetrachloride	8.081	117	33512	7.486	ug/l	# 16
43) Isopropyl Acetate	8.563	43	95773	8.592	ug/l	# 70
45) 1,2-Dichloropropane	9.622	63	3104	0.787	ug/l	# 44
48) Methyl methacrylate	9.545	41	15286	2.876	ug/l	# 10
49) 1,4-Dioxane	9.610	88	144	1.336	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.328	43	10534	1.379	ug/l	88
54) cis-1,3-Dichloropropene	10.240	75	65802	11.575	ug/l	# 68
57) 1,3-Dichloropropane	11.092	76	38834	5.684	ug/l	# 42
59) 2-Hexanone	11.087	43	610845	106.489	ug/l	# 43
71) Bromoform	12.716	173	1947	0.733	ug/l	# 1
74) N-amyl acetate	12.351	43	3475	0.411	ug/l	# 41
76) 1,2,3-Trichloropropane	12.728	75	122188	22.204	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.728	75	122188	69.053	ug/l	# 10

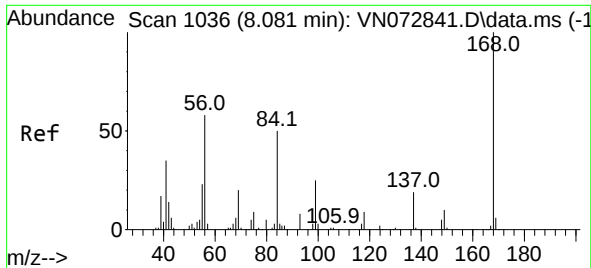
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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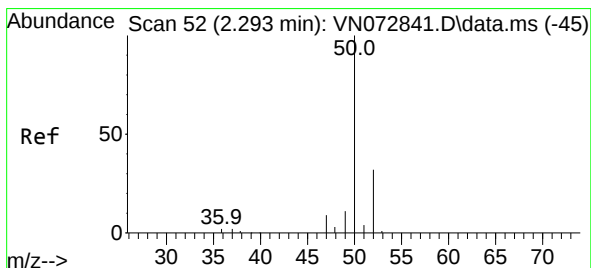
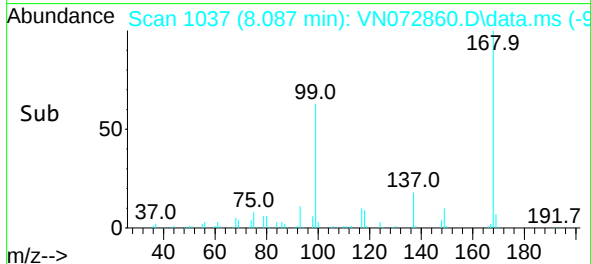
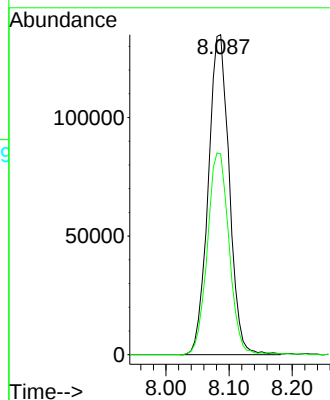
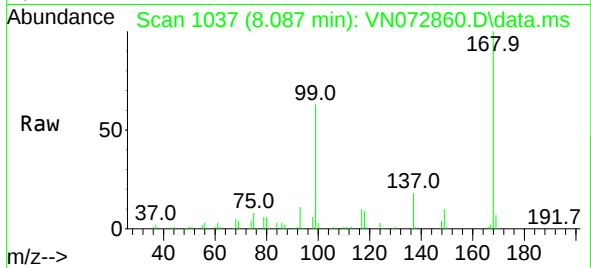




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.087 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN072860.D
Acq: 15 Jun 2022 03:31

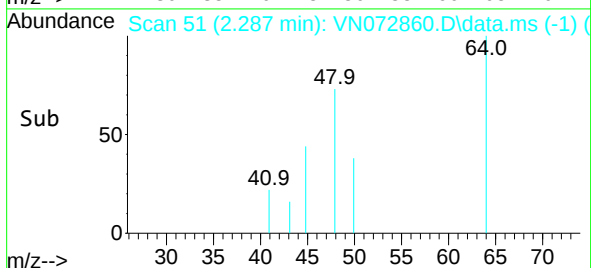
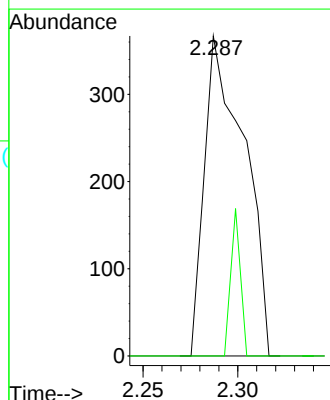
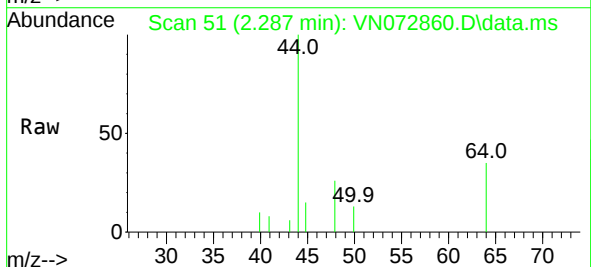
Instrument :
MSVOA_N
ClientSampleId :
PALMYRA-RT-73-COMP-1

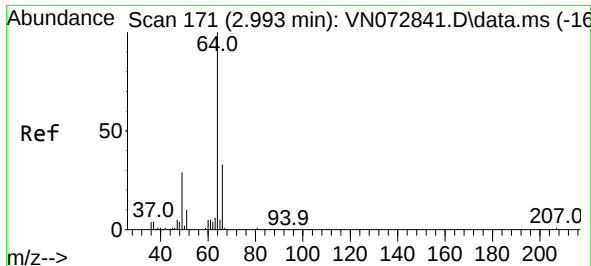
Tgt Ion:168 Resp: 311078
Ion Ratio Lower Upper
168 100
99 62.7 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.287 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN072860.D
Acq: 15 Jun 2022 03:31

Tgt Ion: 50 Resp: 535
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

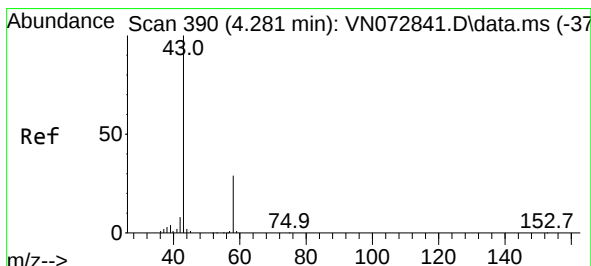
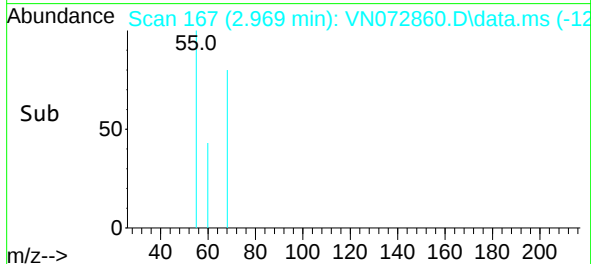
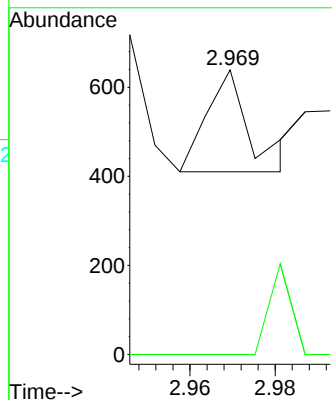
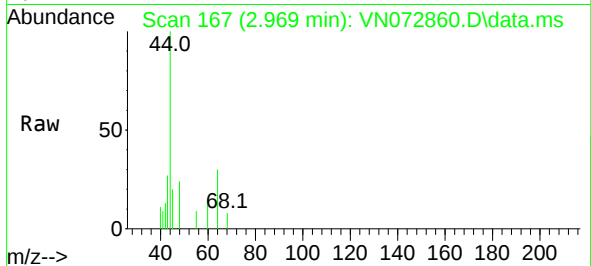




#6
Chloroethane
Concen: Below Cal
RT: 2.969 min Scan# 167
Delta R.T. -0.024 min
Lab File: VN072860.D
Acq: 15 Jun 2022 03:31

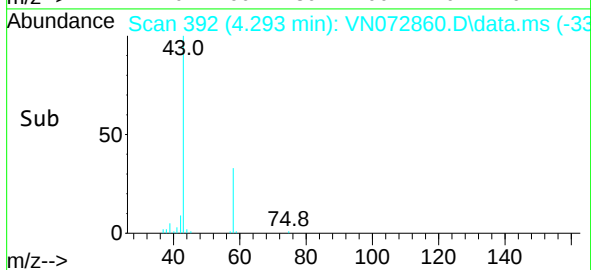
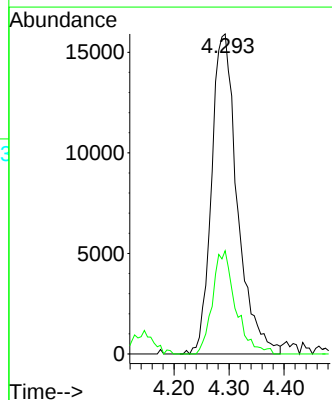
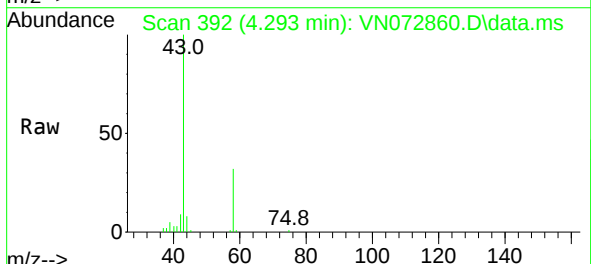
Instrument :
MSVOA_N
ClientSampleId :
PALMYRA-RT-73-COMP-1

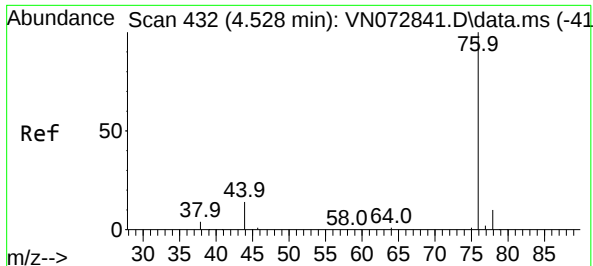
Tgt Ion: 64 Resp: 161
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#16
Acetone
Concen: 19.285 ug/l
RT: 4.293 min Scan# 392
Delta R.T. 0.012 min
Lab File: VN072860.D
Acq: 15 Jun 2022 03:31

Tgt Ion: 43 Resp: 51929
Ion Ratio Lower Upper
43 100
58 32.2 26.0 39.0

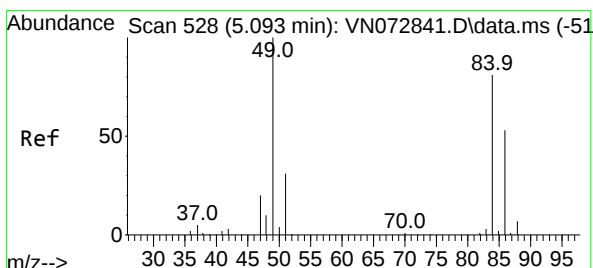
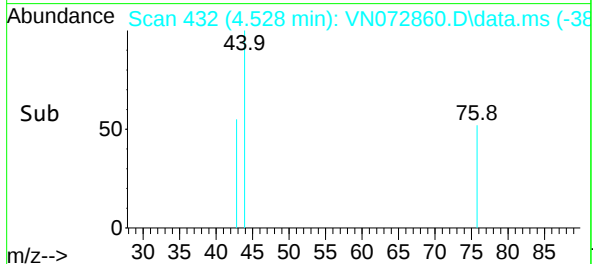
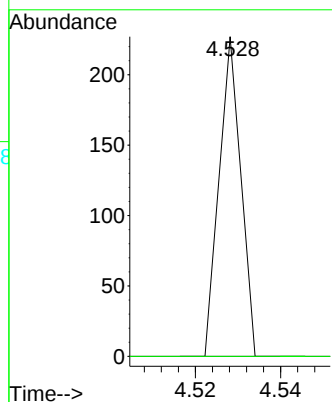
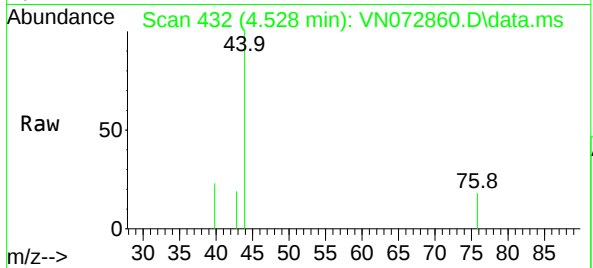




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.528 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN072860.D
Acq: 15 Jun 2022 03:31

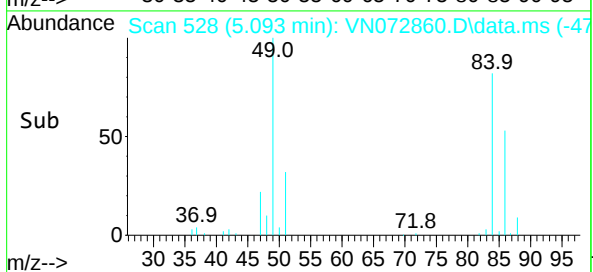
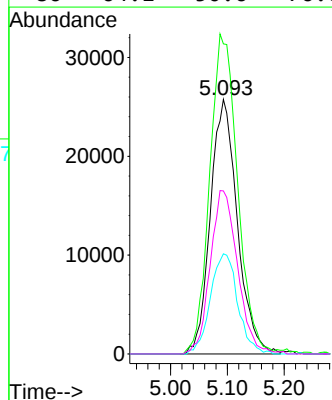
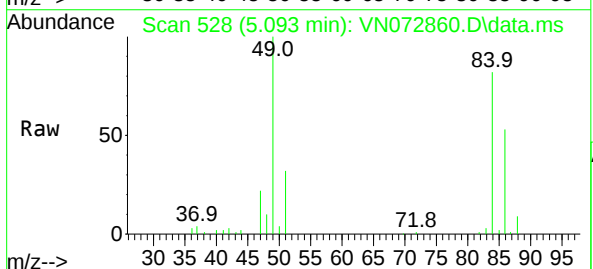
Instrument :
MSVOA_N
ClientSampleId :
PALMYRA-RT-73-COMP-1

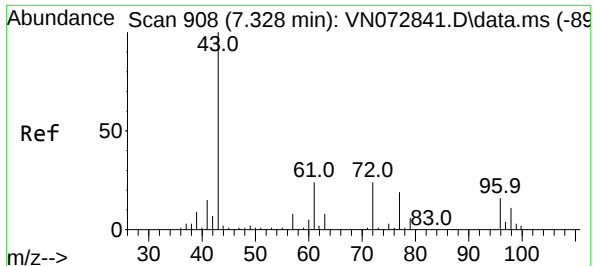
Tgt Ion: 76 Resp: 80
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#20
Methylene Chloride
Concen: 23.851 ug/l
RT: 5.093 min Scan# 528
Delta R.T. -0.000 min
Lab File: VN072860.D
Acq: 15 Jun 2022 03:31

Tgt Ion: 84 Resp: 84907
Ion Ratio Lower Upper
84 100
49 121.8 88.3 132.5
51 39.4 28.2 42.2
86 64.1 50.6 76.0





#25

2-Butanone

Concen: 5.791 ug/l

RT: 7.334 min Scan# 908

Delta R.T. 0.006 min

Lab File: VN072860.D

Acq: 15 Jun 2022 03:31

Instrument :

MSVOA_N

ClientSampleId :

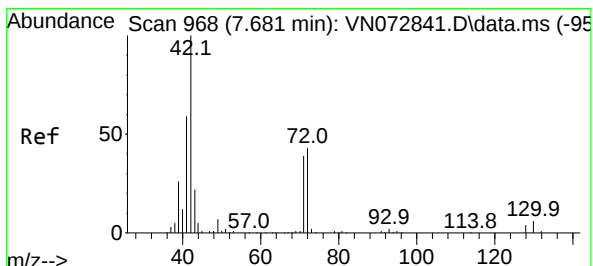
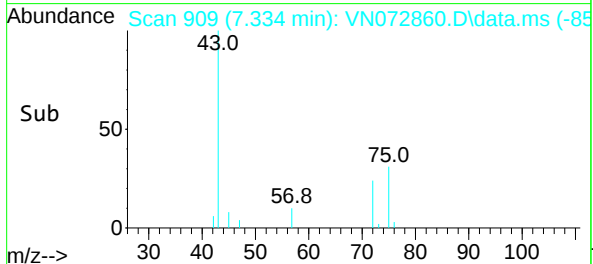
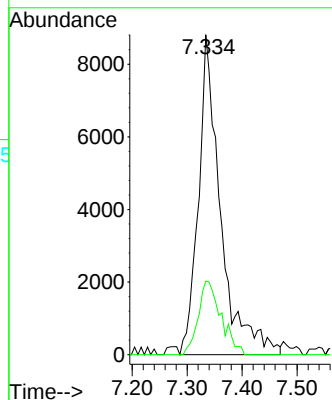
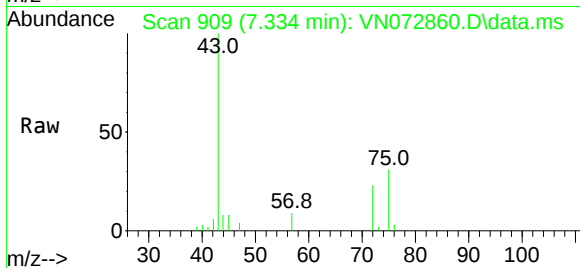
PALMYRA-RT-73-COMP-1

Tgt Ion: 43 Resp: 24707

Ion Ratio Lower Upper

43 100

72 23.0 23.7 35.5#



#29

Tetrahydrofuran

Concen: 0.553 ug/l

RT: 7.699 min Scan# 971

Delta R.T. 0.018 min

Lab File: VN072860.D

Acq: 15 Jun 2022 03:31

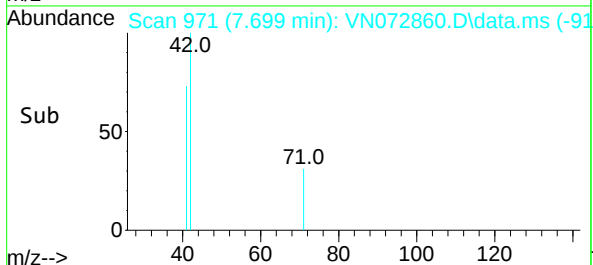
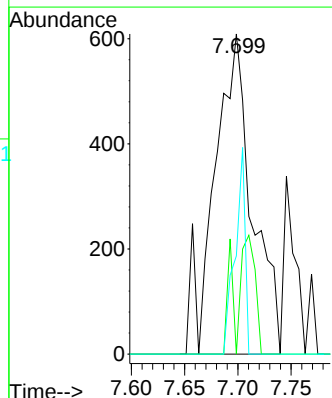
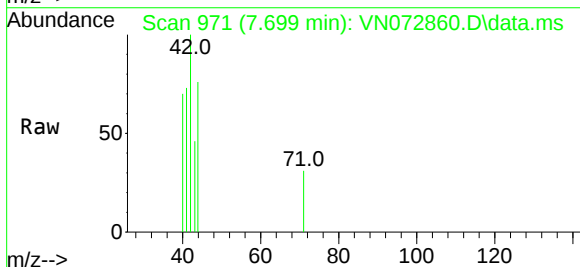
Tgt Ion: 42 Resp: 1505

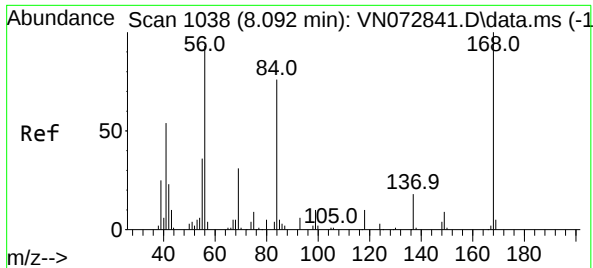
Ion Ratio Lower Upper

42 100

72 18.9 39.7 59.5#

71 17.1 36.6 55.0#

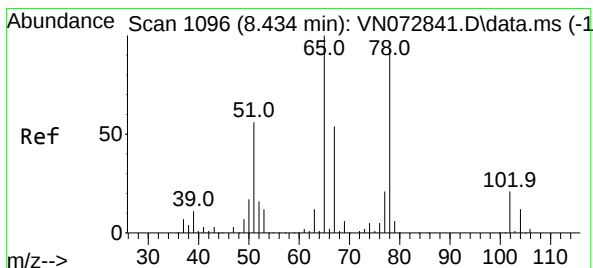
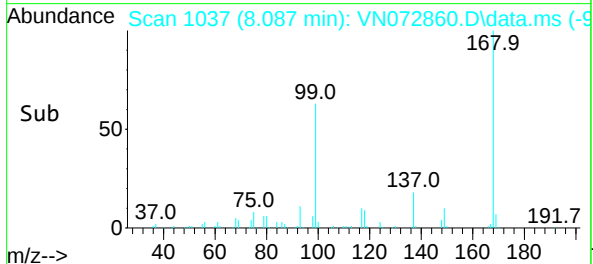
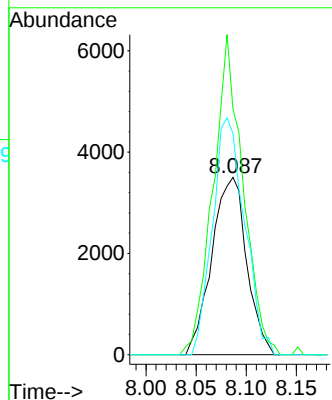
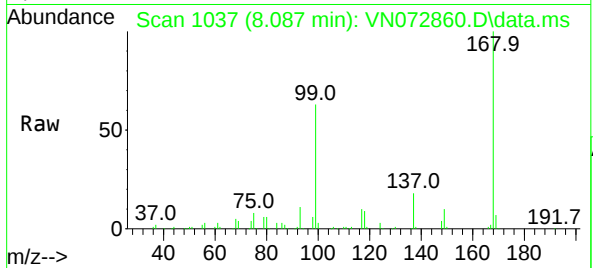




#31
Cyclohexane
Concen: Below Cal
RT: 8.087 min Scan# 1037
Delta R.T. -0.005 min
Lab File: VN072860.D
Acq: 15 Jun 2022 03:31

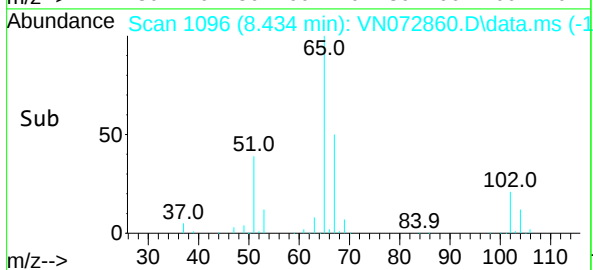
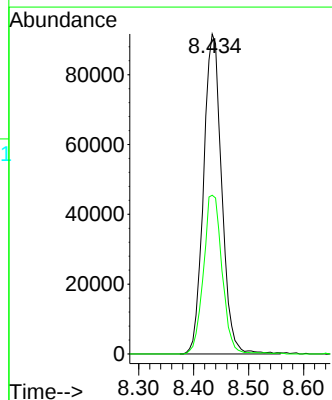
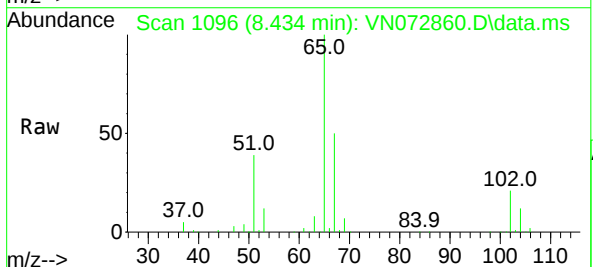
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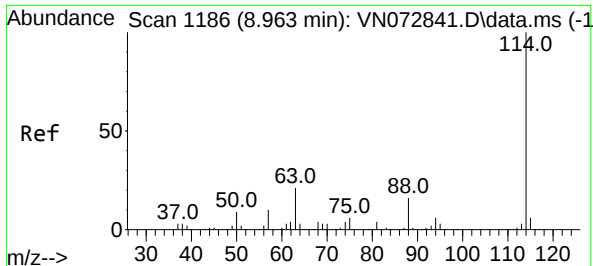
Tgt Ion: 56 Resp: 8443
Ion Ratio Lower Upper
56 100
69 138.6 27.8 41.8#
84 124.7 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 43.611 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN072860.D
Acq: 15 Jun 2022 03:31

Tgt Ion: 65 Resp: 210112
Ion Ratio Lower Upper
65 100
67 50.8 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: VN072860.D

Acq: 15 Jun 2022 03:31

Instrument :

MSVOA_N

ClientSampleId :

PALMYRA-RT-73-COMP-1

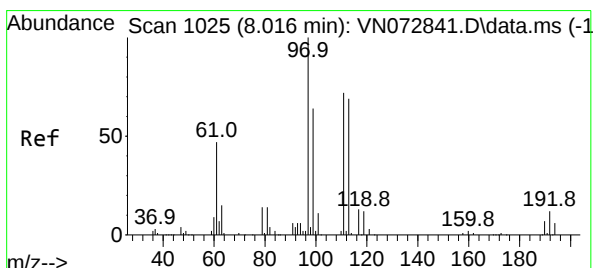
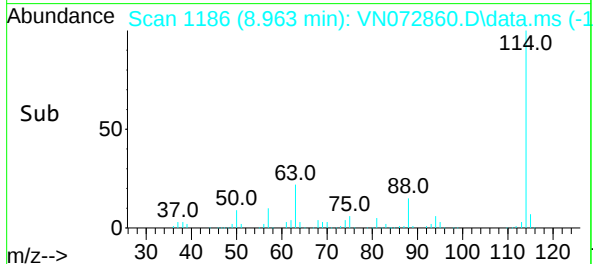
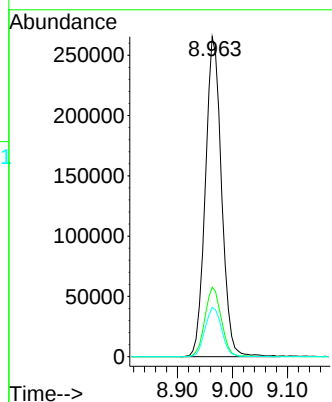
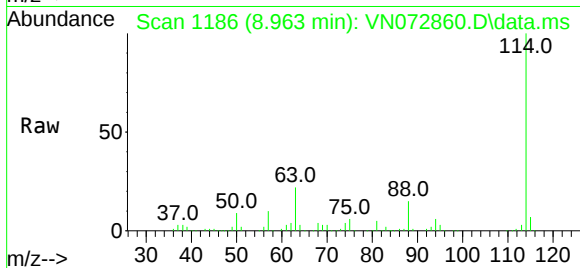
Tgt Ion:114 Resp: 542328

Ion Ratio Lower Upper

114 100

63 21.8 0.0 40.0

88 15.4 0.0 32.6



#35

Dibromofluoromethane

Concen: 51.150 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.006 min

Lab File: VN072860.D

Acq: 15 Jun 2022 03:31

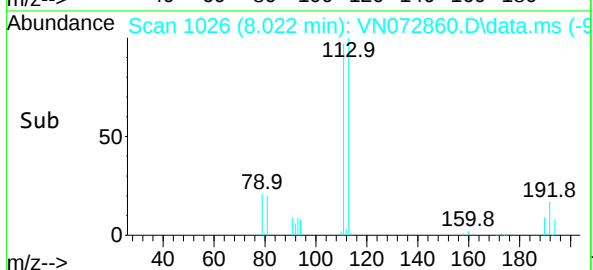
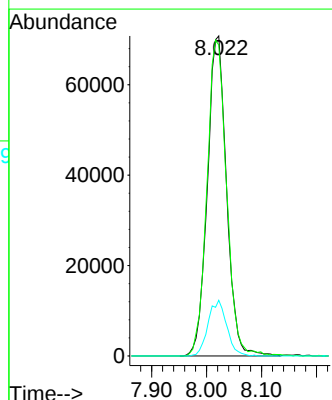
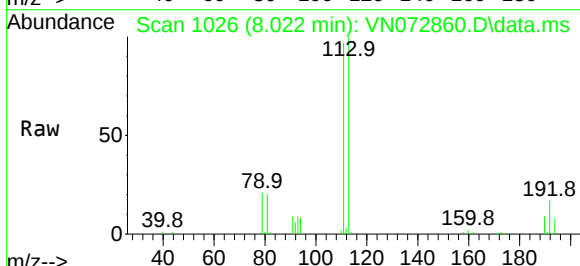
Tgt Ion:113 Resp: 171747

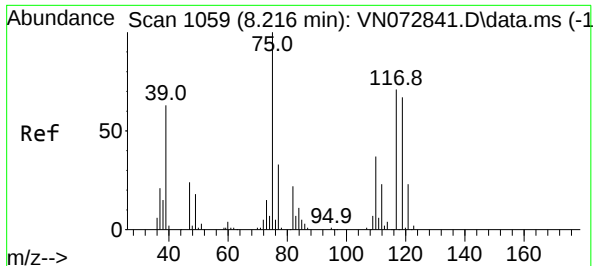
Ion Ratio Lower Upper

113 100

111 100.8 81.4 122.0

192 16.9 17.0 25.6#





#36

1,1-Dichloropropene

Concen: 6.336 ug/l

RT: 8.081 min Scan# 1

Delta R.T. -0.135 min

Lab File: VN072860.D

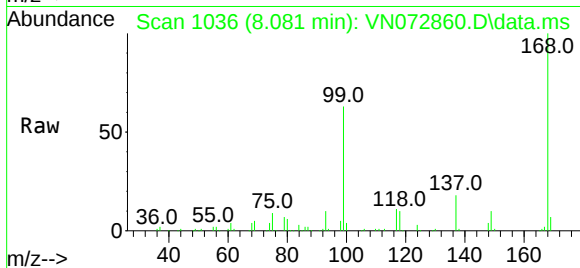
Acq: 15 Jun 2022 03:31

Instrument :

MSVOA_N

ClientSampleId :

PALMYRA-RT-73-COMP-1



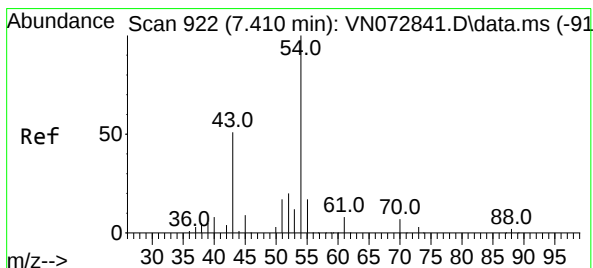
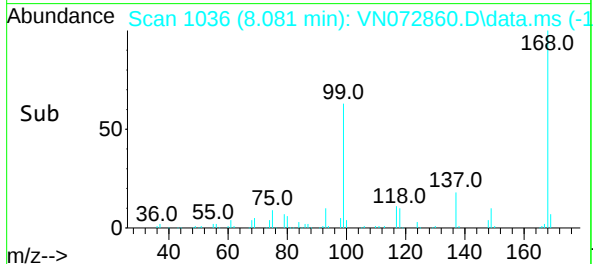
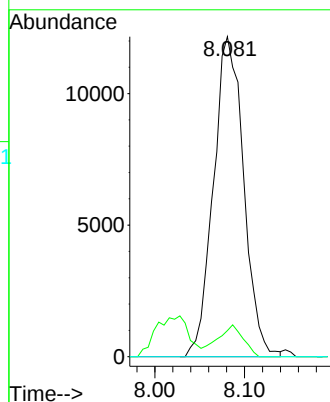
Tgt Ion: 75 Resp: 28413

Ion Ratio Lower Upper

75 100

110 8.5 18.3 54.8#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 3.266 ug/l

RT: 7.334 min Scan# 909

Delta R.T. -0.076 min

Lab File: VN072860.D

Acq: 15 Jun 2022 03:31

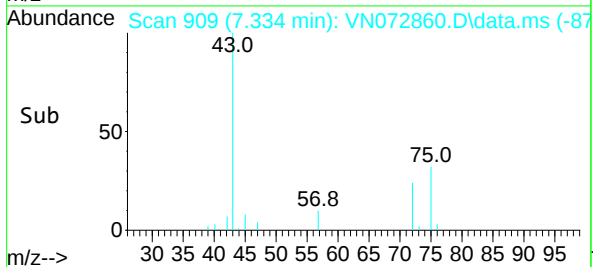
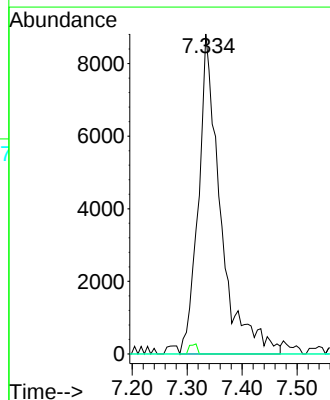
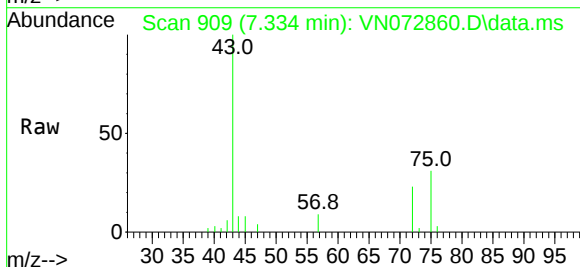
Tgt Ion: 43 Resp: 24707

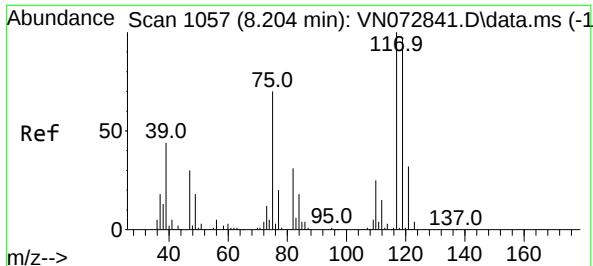
Ion Ratio Lower Upper

43 100

61 1.1 11.8 17.6#

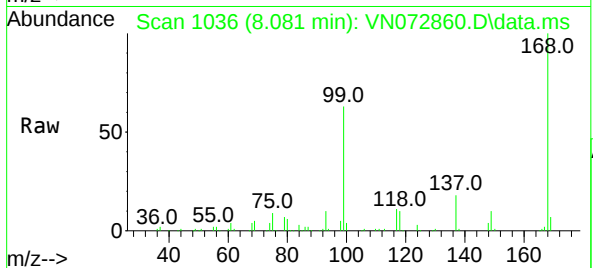
70 0.0 9.3 13.9#



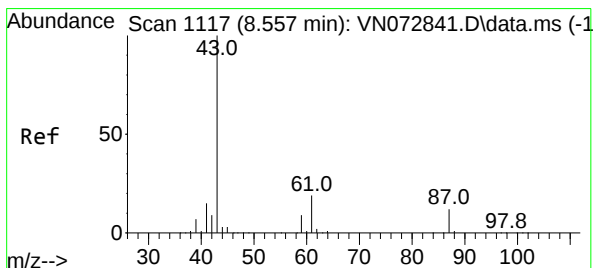
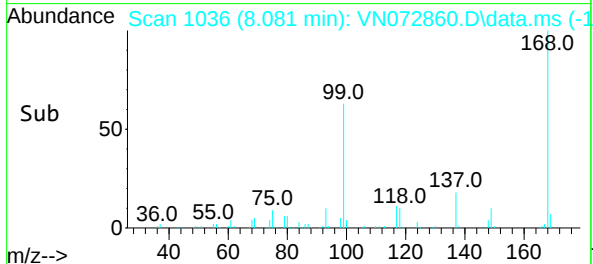
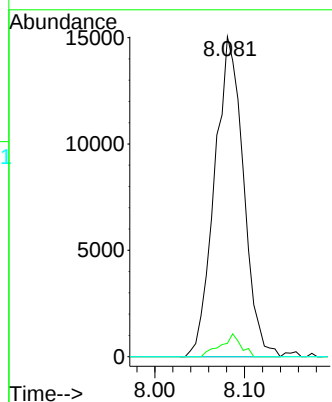


#38
Carbon Tetrachloride
Concen: 7.486 ug/l
RT: 8.081 min Scan# 1117
Delta R.T. -0.123 min
Lab File: VN072860.D
Acq: 15 Jun 2022 03:31

Instrument :
MSVOA_N
ClientSampleId :
PALMYRA-RT-73-COMP-1

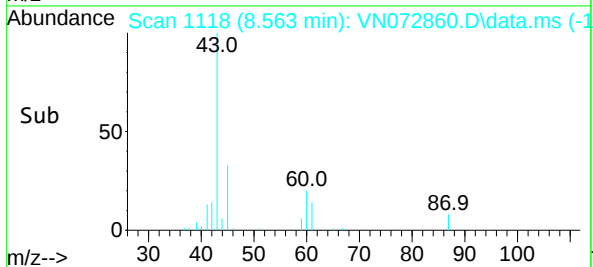
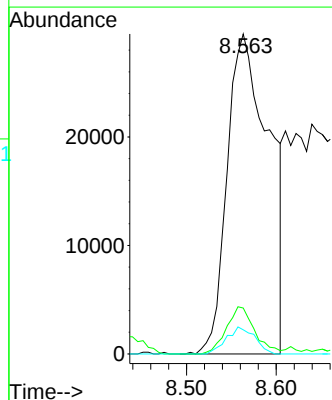
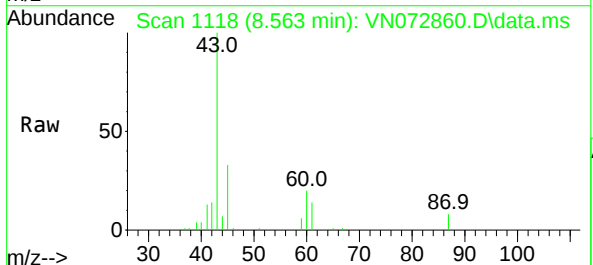


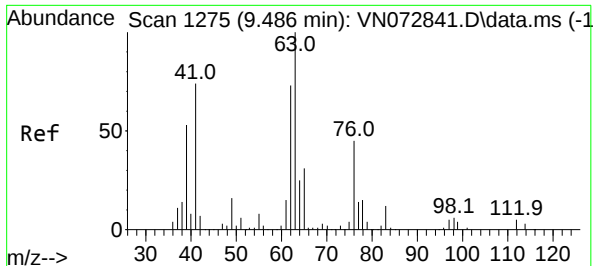
Tgt Ion: 117 Resp: 33512
Ion Ratio Lower Upper
117 100
119 4.1 75.8 113.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 8.592 ug/l
RT: 8.563 min Scan# 1118
Delta R.T. 0.006 min
Lab File: VN072860.D
Acq: 15 Jun 2022 03:31

Tgt Ion: 43 Resp: 95773
Ion Ratio Lower Upper
43 100
61 9.9 21.9 32.9#
87 5.7 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.787 ug/l

RT: 9.622 min Scan# 1298

Delta R.T. 0.136 min

Lab File: VN072860.D

Acq: 15 Jun 2022 03:31

Instrument :

MSVOA_N

ClientSampleId :

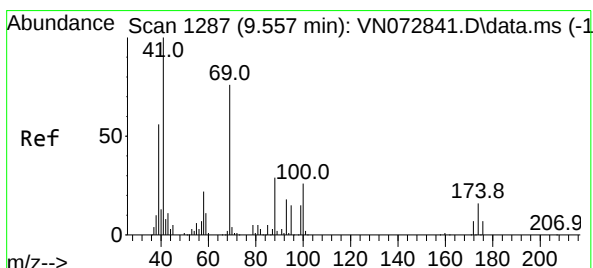
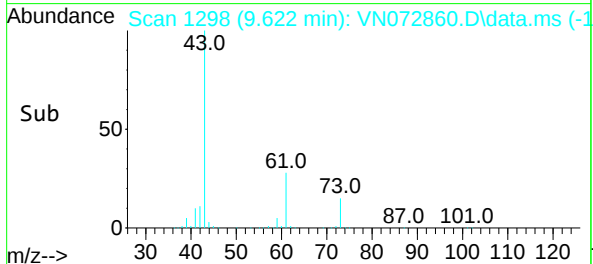
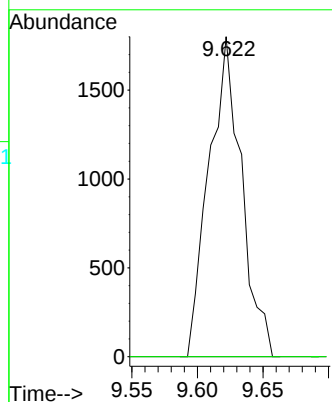
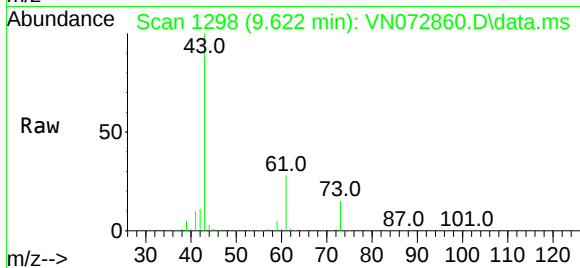
PALMYRA-RT-73-COMP-1

Tgt Ion: 63 Resp: 3104

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#



#48

Methyl methacrylate

Concen: 2.876 ug/l

RT: 9.545 min Scan# 1285

Delta R.T. -0.012 min

Lab File: VN072860.D

Acq: 15 Jun 2022 03:31

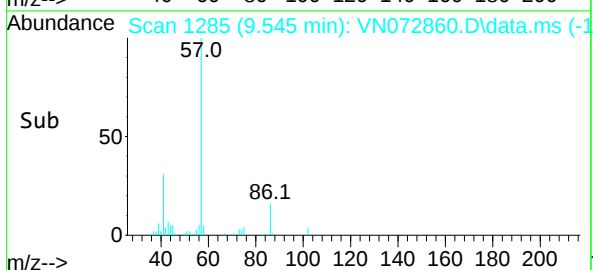
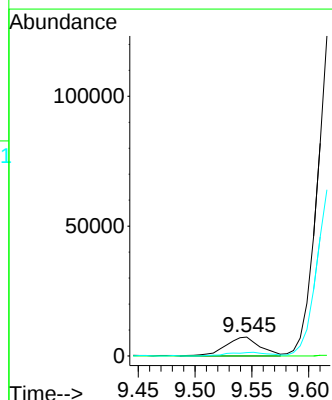
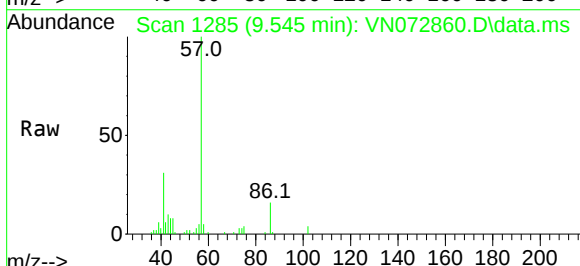
Tgt Ion: 41 Resp: 15286

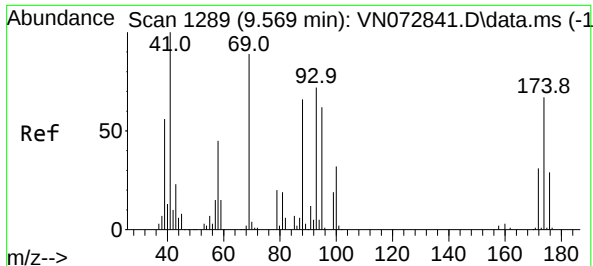
Ion Ratio Lower Upper

41 100

69 0.0 74.7 112.1#

39 0.0 45.6 68.4#





#49

1,4-Dioxane

Concen: 1.336 ug/l

RT: 9.610 min Scan# 1296

Delta R.T. 0.041 min

Lab File: VN072860.D

Acq: 15 Jun 2022 03:31

Instrument :

MSVOA_N

ClientSampleId :

PALMYRA-RT-73-COMP-1

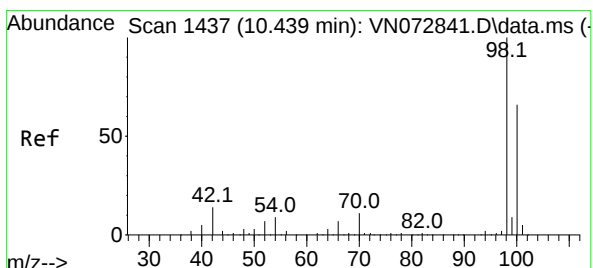
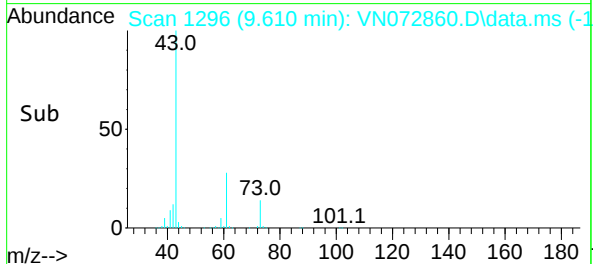
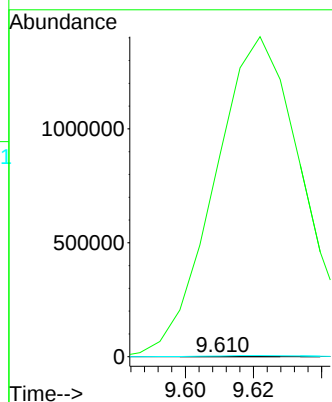
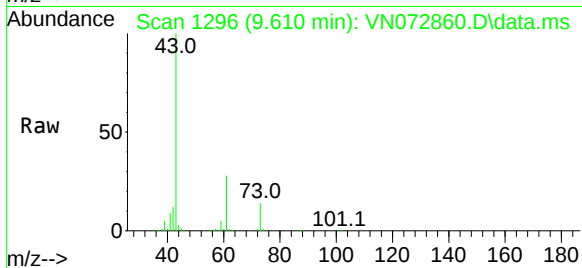
Tgt Ion: 88 Resp: 144

Ion Ratio Lower Upper

88 100

43 1801287.5 20.2 30.4#

58 6761.1 54.2 81.4#



#50

Toluene-d8

Concen: 43.873 ug/l

RT: 10.440 min Scan# 1437

Delta R.T. 0.001 min

Lab File: VN072860.D

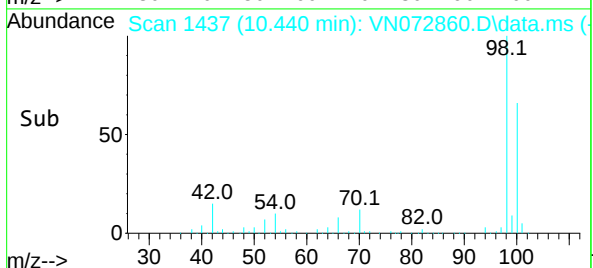
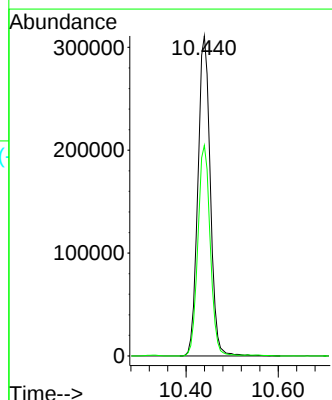
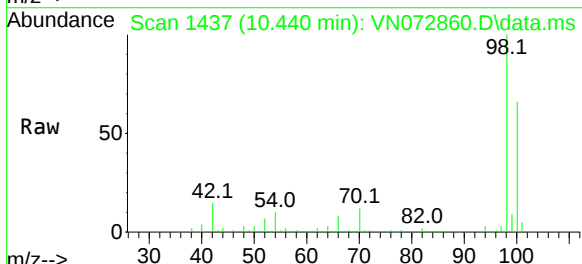
Acq: 15 Jun 2022 03:31

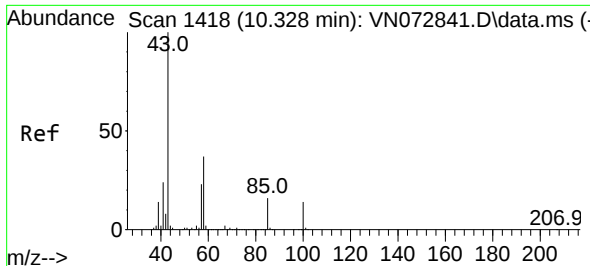
Tgt Ion: 98 Resp: 581363

Ion Ratio Lower Upper

98 100

100 65.6 52.6 78.8

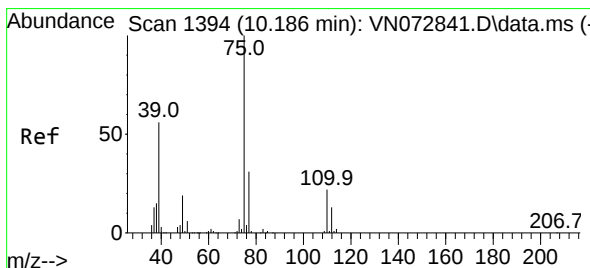
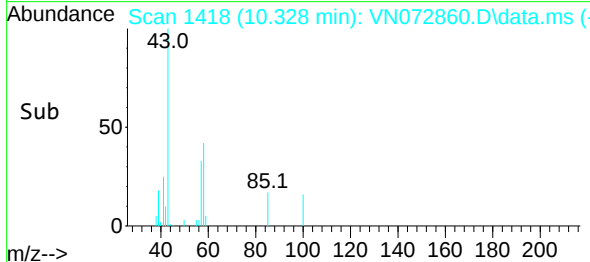
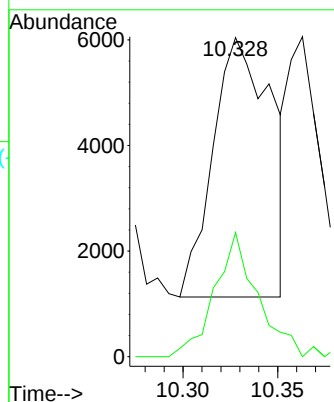
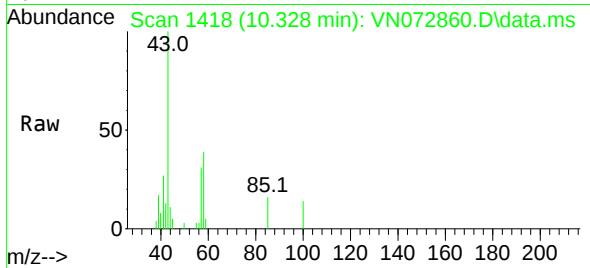




#51
4-Methyl-2-Pentanone
Concen: 1.379 ug/l
RT: 10.328 min Scan# 1418
Delta R.T. -0.000 min
Lab File: VN072860.D
Acq: 15 Jun 2022 03:31

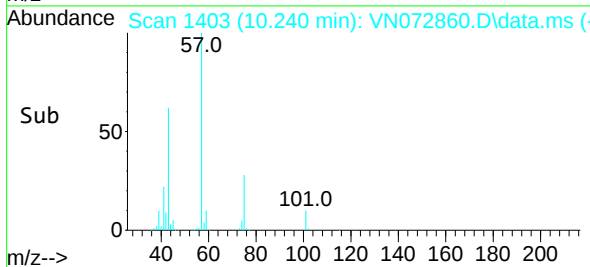
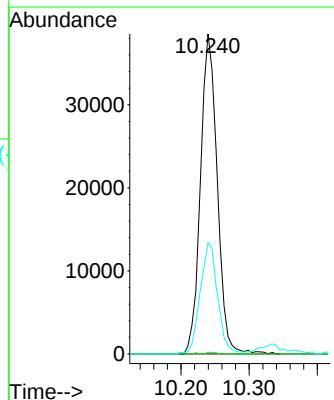
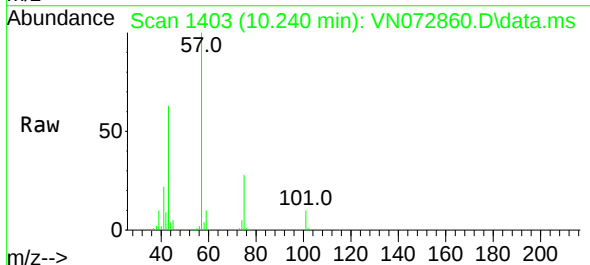
Instrument :
MSVOA_N
ClientSampleId :
PALMYRA-RT-73-COMP-1

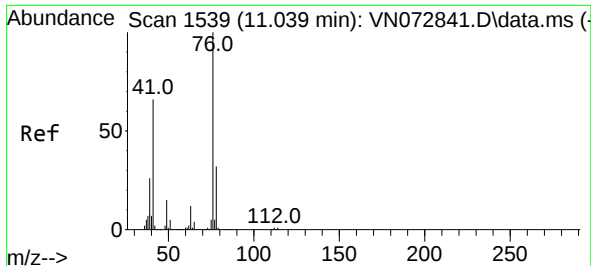
Tgt Ion: 43 Resp: 10534
Ion Ratio Lower Upper
43 100
58 35.3 34.1 51.1



#54
cis-1,3-Dichloropropene
Concen: 11.575 ug/l
RT: 10.240 min Scan# 1403
Delta R.T. 0.054 min
Lab File: VN072860.D
Acq: 15 Jun 2022 03:31

Tgt Ion: 75 Resp: 65802
Ion Ratio Lower Upper
75 100
77 0.6 25.2 37.8#
39 34.3 35.7 53.5#





#57

1,3-Dichloropropane

Concen: 5.684 ug/l

RT: 11.092 min Scan# 11

Delta R.T. 0.053 min

Lab File: VN072860.D

Acq: 15 Jun 2022 03:31

Instrument :

MSVOA_N

ClientSampleId :

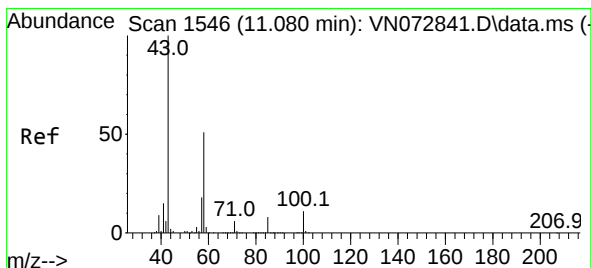
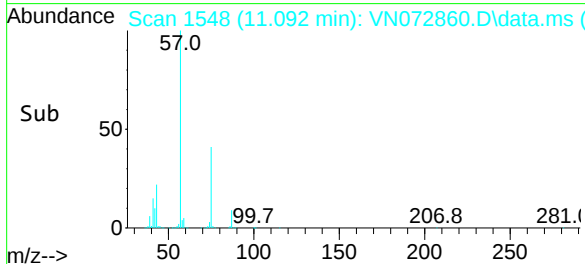
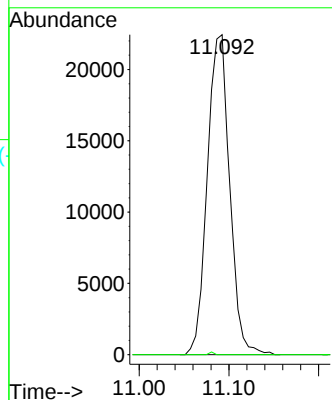
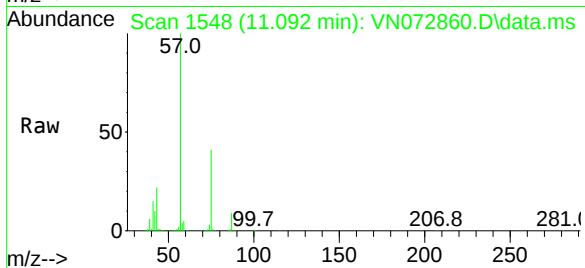
PALMYRA-RT-73-COMP-1

Tgt Ion: 76 Resp: 38834

Ion Ratio Lower Upper

76 100

78 0.2 26.2 39.2#



#59

2-Hexanone

Concen: 106.489 ug/l

RT: 11.087 min Scan# 1547

Delta R.T. 0.007 min

Lab File: VN072860.D

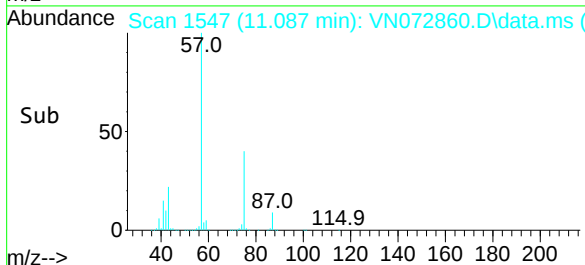
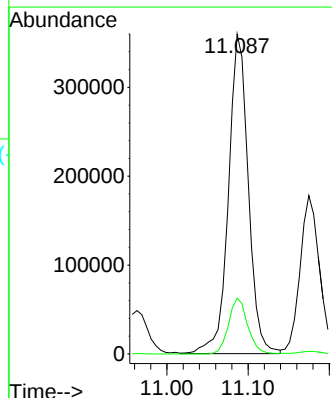
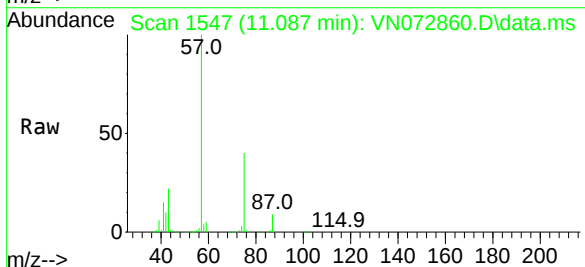
Acq: 15 Jun 2022 03:31

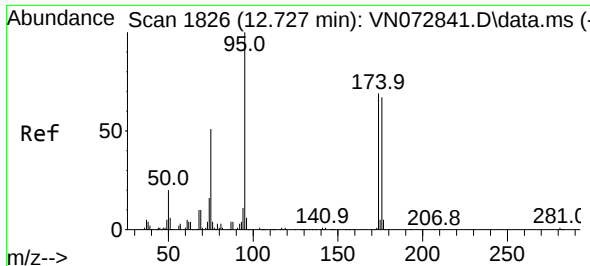
Tgt Ion: 43 Resp: 610845

Ion Ratio Lower Upper

43 100

58 16.8 29.7 89.1#

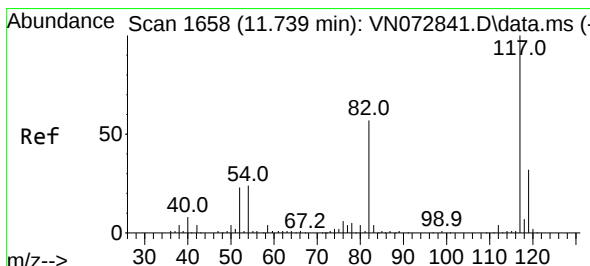
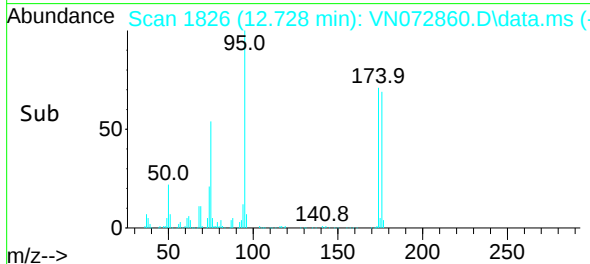
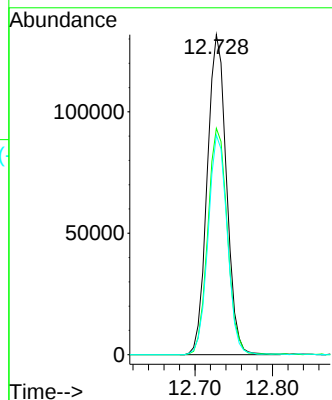
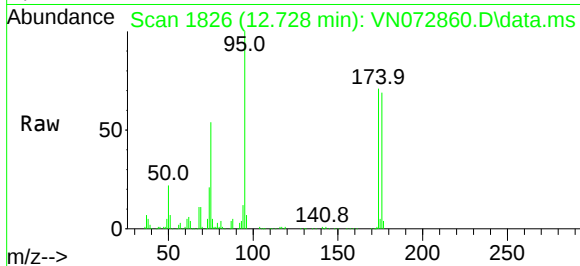




#62
4-Bromofluorobenzene
Concen: 51.078 ug/l
RT: 12.728 min Scan# 1826
Delta R.T. 0.001 min
Lab File: VN072860.D
Acq: 15 Jun 2022 03:31

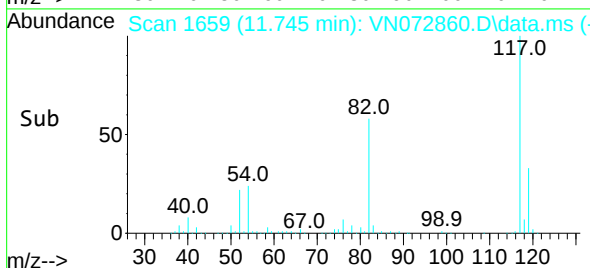
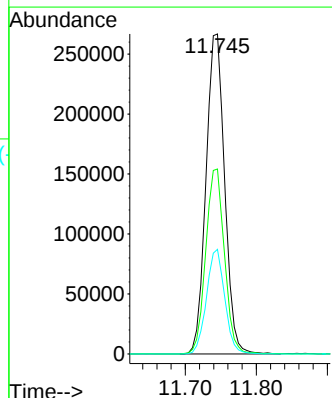
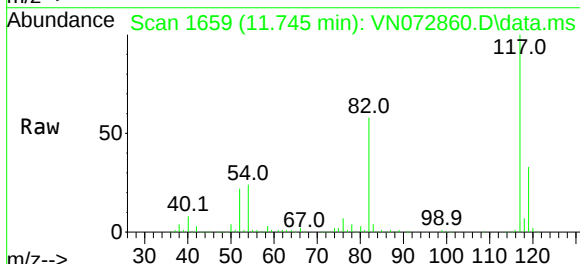
Instrument :
MSVOA_N
ClientSampleId :
PALMYRA-RT-73-COMP-1

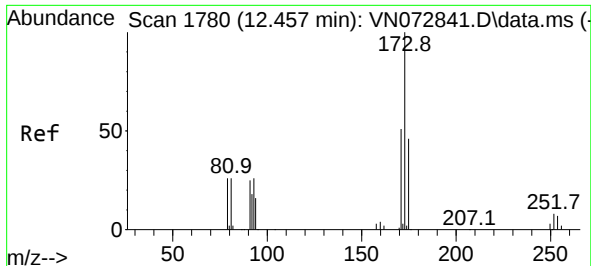
Tgt Ion: 95 Resp: 227199
Ion Ratio Lower Upper
95 100
174 71.6 0.0 167.6
176 67.9 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.745 min Scan# 1659
Delta R.T. 0.006 min
Lab File: VN072860.D
Acq: 15 Jun 2022 03:31

Tgt Ion: 117 Resp: 487429
Ion Ratio Lower Upper
117 100
82 57.8 44.2 66.2
119 32.7 25.4 38.0

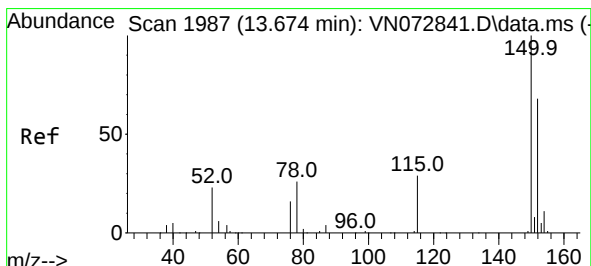
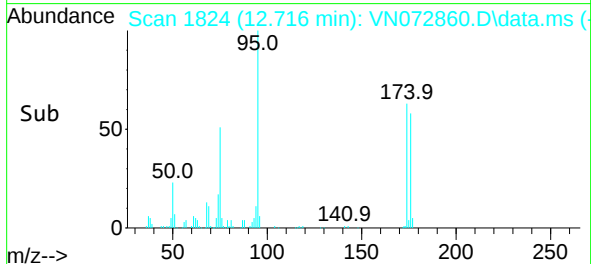
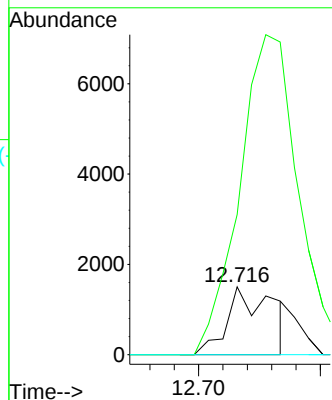
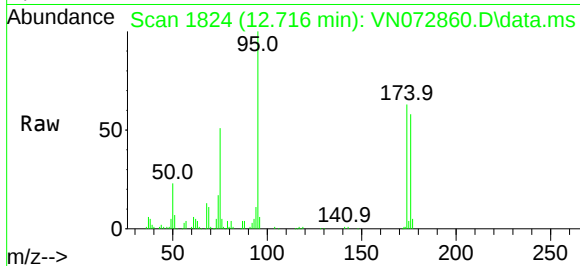




#71
Bromoform
Concen: 0.733 ug/l
RT: 12.716 min Scan# 1824
Delta R.T. 0.259 min
Lab File: VN072860.D
Acq: 15 Jun 2022 03:31

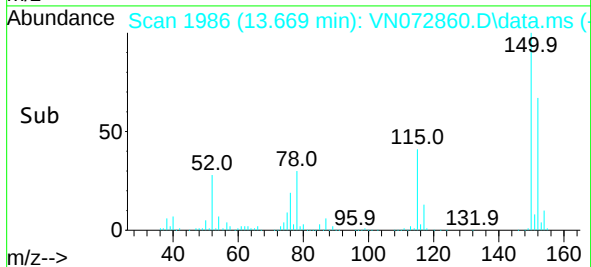
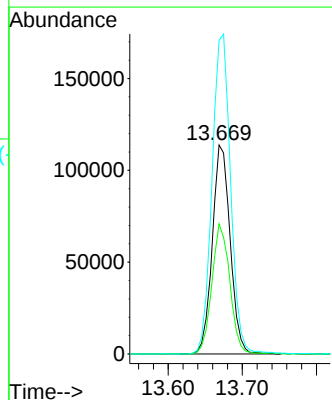
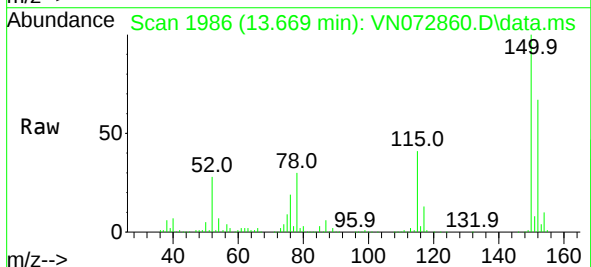
Instrument :
MSVOA_N
ClientSampleId :
PALMYRA-RT-73-COMP-1

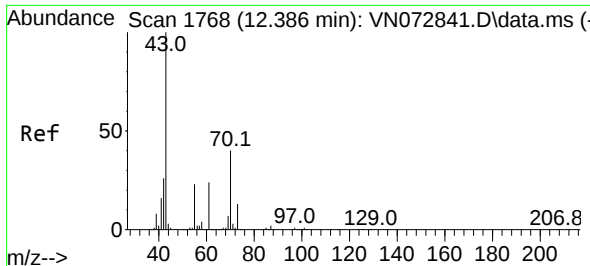
Tgt Ion:173 Resp: 1947
Ion Ratio Lower Upper
173 100
175 463.6 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. -0.005 min
Lab File: VN072860.D
Acq: 15 Jun 2022 03:31

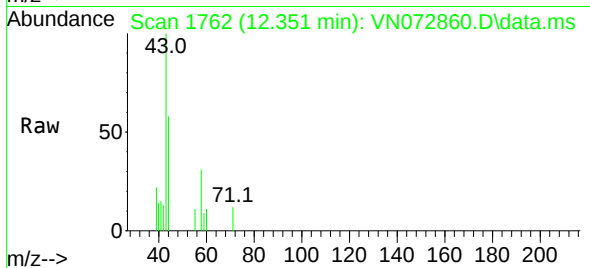
Tgt Ion:152 Resp: 190778
Ion Ratio Lower Upper
152 100
115 62.2 28.9 86.7
150 158.6 0.0 356.2



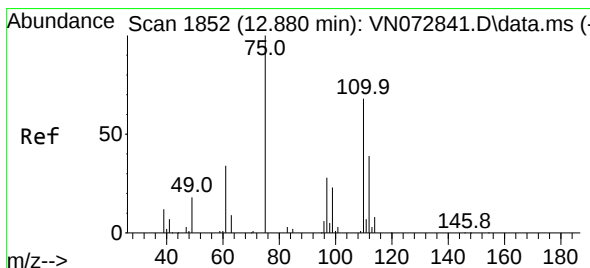
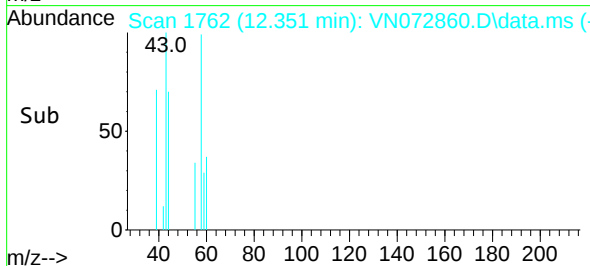
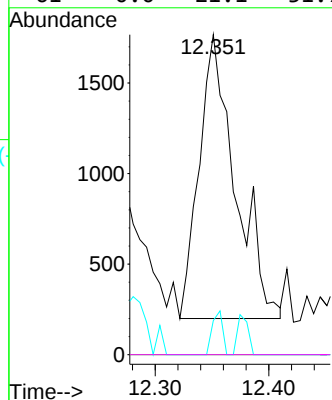


#74
N-amy1 acetate
Concen: 0.411 ug/l
RT: 12.351 min Scan# 11
Delta R.T. -0.035 min
Lab File: VN072860.D
Acq: 15 Jun 2022 03:31

Instrument :
MSVOA_N
ClientSampleId :
PALMYRA-RT-73-COMP-1

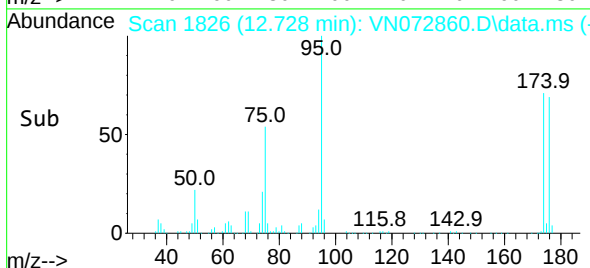
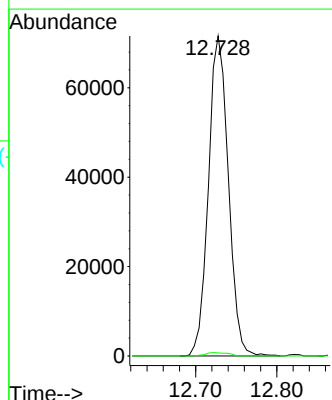
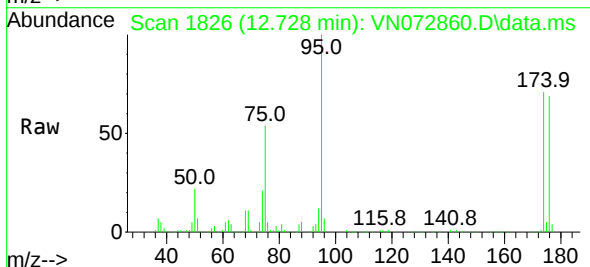


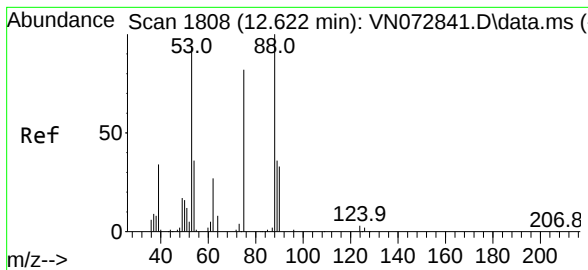
Tgt Ion: 43 Resp: 3475
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 4.4 21.1 31.7#
61 0.0 21.1 31.7#



#76
1,2,3-Trichloropropane
Concen: 22.204 ug/l
RT: 12.728 min Scan# 1826
Delta R.T. -0.152 min
Lab File: VN072860.D
Acq: 15 Jun 2022 03:31

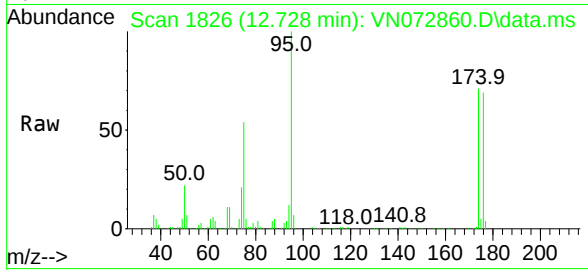
Tgt Ion: 75 Resp: 122188
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.053 ug/l
 RT: 12.728 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN072860.D
 Acq: 15 Jun 2022 03:31

Instrument :
 MSVOA_N
 ClientSampleId :
 PALMYRA-RT-73-COMP-1



Tgt Ion: 75 Resp: 122188
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 37.2 55.8#

